

2012 ANNUAL MONITORING REPORT

NIAGARA COUNTY REFUSE DISTRICT SITE

Wheatfield, Niagara County, New York

(NYSDEC Site No. 9-32-026)

SUBMITTED TO:



**UNITED STATES
ENVIRONMENTAL PROTECTION
AGENCY**



**NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION**

SUBMITTED BY:

Niagara County Refuse District and PRP Group

PREPARED BY:

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February 2013

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Submitted To:

**The New York State Department
of Environmental Conservation
Division of Hazardous Waste Remediation**

and

United States Environmental Protection Agency

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SECTION 1 INTRODUCTION

1.1 INTRODUCTION

In accordance with the United States Environmental Protection Agency (USEPA) Record of Decision (USEPA, 1993), the United States District Court Consent Decree (USA, 1995), and the USEPA-approved Operation, Maintenance, and Monitoring (OM&M) Manual (CRA, 2000), the Niagara County Refuse Site Potentially Responsible Parties (PRP) Group performed a remedial action at the Niagara County Refuse Site (Site), Wheatfield, New York. The PRP Group currently provides site-related OM&M services. This Annual Monitoring Report summarizes monitoring activities from January through December 2012.

The Site is a closed municipal landfill approximately 60 acres in size, located along the eastern border of the Town of Wheatfield, New York, and the western border of the City of North Tonawanda, New York. The southern edge of the Site lies approximately 500 feet north of the Niagara River. A perimeter collection system and a perimeter barrier system are used to provide hydraulic containment of Site-related leachate and groundwater. These systems began operation in November of 2000.

1.2 PROCEDURES

1.2.1 Groundwater Sampling

In accordance with the OM&M Manual (CRA, 2000), samples were collected from wells NCR-3S, NCR-4S, and NCR-13S in November 2012. NCR-5S did not contain water and therefore could not be sampled. These four wells are screened in the shallow overburden materials. Groundwater sampling on an annual schedule commenced in 2006.

Each groundwater monitoring well was purged prior to sample collection by pumping five well volumes of groundwater from the well using a dedicated bladder pump. Physical parameters including pH, temperature, conductivity, and turbidity of the purge water were periodically measured and recorded. In the event that a well could not supply enough water to purge five well volumes, the well was pumped dry on three consecutive days prior to sampling. All purge water was placed in an onsite wet-well. Wet well water is discharged to the City of North Tonawanda publicly owned treatment works (POTW).

Groundwater sampling began immediately at the completion of purging. A dedicated bladder pump was used to collect the groundwater samples. The discharge rate was first adjusted to approximately 100 milliliters per minute. The sample was then collected directly into laboratory supplied sample containers.

Since 2006, volatile organic compounds (VOC) and semi-volatile organic compound (SVOC) samples have been collected every other year and metals samples have been collected annually. In November, 2012, in accordance with this schedule, groundwater samples were collected and analyzed for:

- Mercury using EPA method 245.1 and method SW-7470; and
- Inorganics using EPA method 200.7 and method SW-6010.

The groundwater samples were analyzed by TestAmerica Laboratories of Amherst, New York. A chain-of-custody (COC) accompanied the sample bottles from the laboratory, to the field, and back to the laboratory.

As noted in previous reports, due to slow recovery times and low water levels in the wells to be sampled after purging, collection of the required groundwater volume for all groundwater and quality assurance samples is often not possible. During the November 2012 sampling event well NCR-5S was dry and therefore could not be sampled.

1.2.2 Effluent Sampling

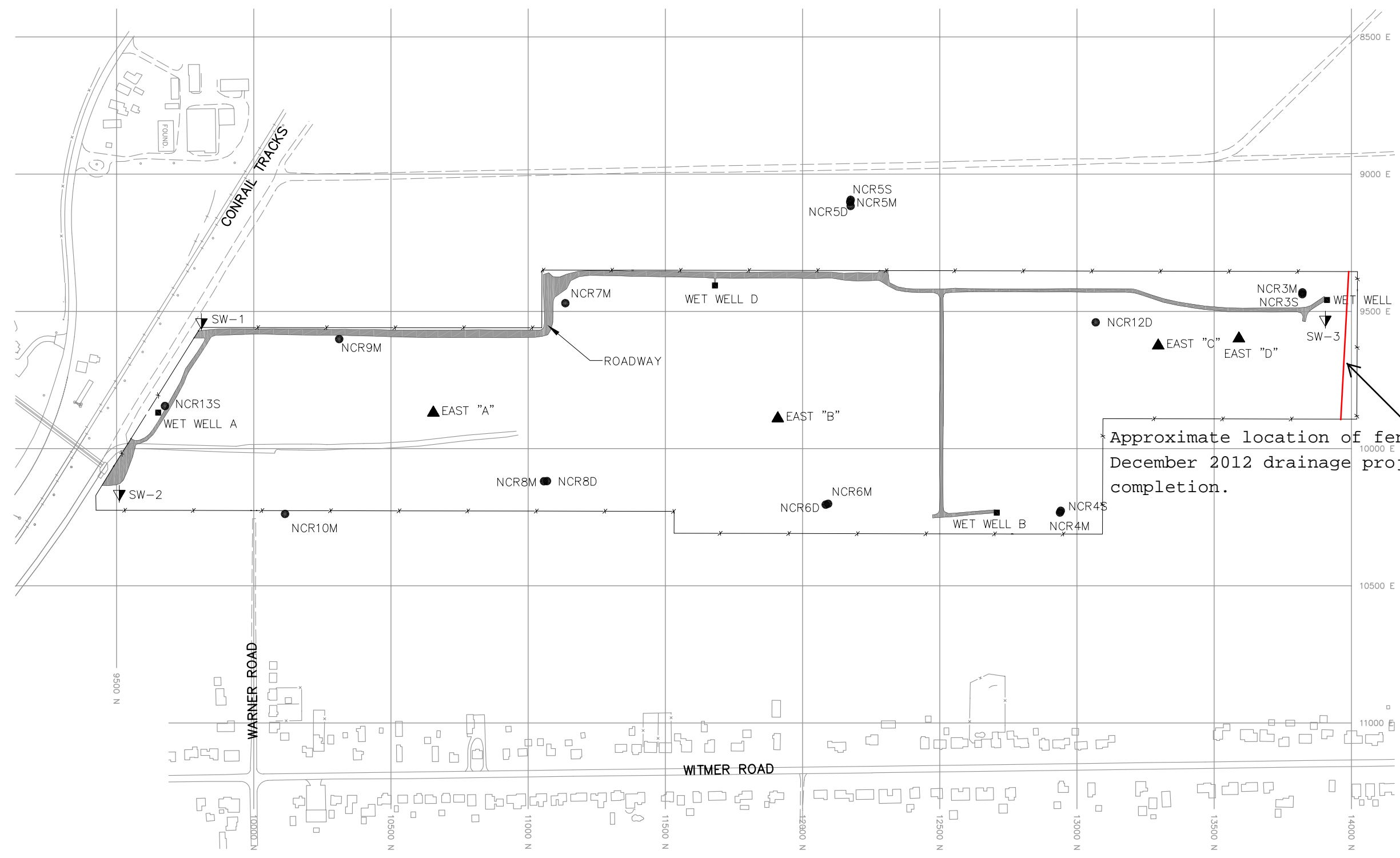
Groundwater from the perimeter collection system is discharged to the City of North Tonawanda treatment system without pre-treatment. A monitoring station in Wet Well A allows both the effluent water quality and the volume of effluent to be verified by the City of North Tonawanda. In compliance with the City of North Tonawanda Industrial Wastewater Discharge Permit, the effluent was sampled monthly through February 2007. A revised permit was issued covering from February 2007 through March 2010. A new Industrial Wastewater Discharge Permit (Appendix A) was issued by the City of North Tonawanda in 2011 and is effective from March 31, 2010 through April 1, 2013. The new permit has a reduced analytical parameter list compared to the original permit, and continues to require a semi-annual sampling frequency. Semi-annual samples were collected in March and September 2012. The effluent samples are collected in compliance with the permit using the procedures identified in the OM&M Manual. Effluent samples are analyzed by the City of North Tonawanda. The sole purpose of these analyses is for compliance with the Industrial Wastewater Discharge Permit.

1.2.3 Water Levels

Water levels were measured in four monitoring well locations inside the limits of the landfill, and at four wet well locations. Water level measurements were collected monthly during 2012. The water levels were measured with an electronic water level indicator, and reported as an elevation above mean sea level. Figure 1.1 shows the locations of the water level monitoring points.

1.2.4 Site Inspections

The Site was inspected by O&M Enterprises, Inc. on a monthly basis, in accordance with procedures in the OM&M Manual. The perimeter collection system, offsite force main, wetlands, perimeter fence, drainage ditches, swale outlets, culverts, gas vents, wells, and landfill cap were visually inspected.



Approximate location of fence after
December 2012 drainage project
completion.

LEGEND

- ▲ EAST "A" WATER LEVEL MONITORING WELL LOCATION
- ▼ SW-2 SURFACE WATER MONITORING LOCATION
- WET WELL A EFFLUENT MONITORING LOCATION
- NCR13S GROUNDWATER QUALITY MONITORING LOCATION

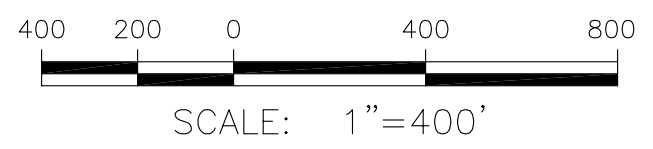


FIGURE 1.1
NIAGARA COUNTY REFUSE SITE WHEATFIELD, NEW YORK
SITE PLAN
PARSONS 180 LAWRENCE BELL DRIVE, SUITE 104, WILLIAMSVILLE, N.Y. 14221, PHONE: 716-633-7074

SECTION 2 RESULTS

2.1 ANALYTICAL RESULTS

2.1.1 Effluent Samples

Effluent samples were collected in March and September 2012 by O&M Enterprises, Inc. and analyzed by the City of North Tonawanda. The analytical results from these samples were used by the City to confirm that the effluent received from the Site met the criteria for acceptance by the City treatment system. All analytical results were found to be compliant with the discharge permit effective March 31, 2010. Effluent analytical results for 2012 and the permit are presented in Appendix A.

2.1.2 Groundwater Analytical Results

Analytical results for the sampling event during this reporting period are summarized in Table 2.1. The results were compared to NYSDEC ambient water quality standards (AWQS), NYSDOH maximum contaminant levels (MCLs), and USEPA MCLs (see Table 2.1). This reporting period includes months 135 to 146, since the start-up of the perimeter collection system in November 2000. The collection of quarterly and semi-annual groundwater samples has been completed as outlined in the OM&M Manual. Annual collection of groundwater samples began in 2006. Groundwater sample analytes are currently scheduled to include metals annually, and VOCs and SVOCs every two years, as approved by the USEPA (see Appendix B). The groundwater samples collected during this reporting period were analyzed for metals only.

The analytical results received from the laboratory are presented in Appendix C, along with the COC. A Sample Collection Data Sheet, which includes required and actual purge volumes, sample date, time, description, required analyses, and the COC number for each well, is included in Appendix C. This sheet also indicates which well was used to collect the matrix spike (MS) and the matrix spike duplicate (MSD). Well purging information, including pH, conductivity, turbidity, odor, comments, and well volumes, is also provided in Appendix C.

November 2012 Event

Monitoring wells NCR-3S, NCR-4S, and NCR-13S were sampled on November 8, 2012. As previously mentioned, well NCR-5S did not contain water and therefore sampling was not possible. The locations of the monitoring wells are provided in Figure 1.1. The data validation report is presented in Appendix D.

Fifteen metals were identified in one or more of the groundwater samples. Five of the detected metals exceeded either the NYSDEC AWQS, NYSDOH MCLs, or USEPA MCLs, which is consistent with previous sampling events. In general the detected values are consistent with ranges observed in previous sampling events. Plots of selected metals concentrations over time are presented in Figure 2.1A through Figure 2.1J.

- Aluminum exceeded the NYSDEC AWQS in two of the three samples. Historically, aluminum has been above the NYSDEC AWQS.
- Copper was identified in each of the samples and was above the NYSDEC AWQS in two of the samples (NCR-3S and NCR-13S). Typically, copper has exceeded the NYSDEC AWQS in two or more of the groundwater samples.
- Iron was identified in each of the samples exceeding both the AWQS and the NYSDOH MCL. The Record of Decision (ROD) (USEPA, 1993) identifies iron as typically exceeding MCLs in the regional groundwater.
- Magnesium was identified in each of the three samples and exceeded the AWQS guidance value (not a standard) in each of the samples.
- Sodium was found above the NYSDEC AWQS, the NYSDOH MCL, and USEPA MCL in two of the three samples. The ROD identifies sodium as typically exceeding MCLs in the regional groundwater.

Groundwater analytical results were reviewed and validated by Parsons for usability (see Appendix D for the complete report). The laboratory data packages were found to be of good overall quality. Groundwater samples were collected, properly preserved, shipped under a COC record, and received at the laboratory within one day of sampling. The analytical results are considered compliant and usable.

Certain metals results were considered estimated, and flagged with a “J”. Serial dilution results for potassium were not within acceptable limits and therefore, all positive potassium results were qualified “J”. Field duplicate precision results for zinc were not within acceptable limits and therefore, zinc results for NCR-13S and the field duplicate were qualified “J”. Metals sample results were considered usable following data validation. The metals results were 100% complete.

2.2 SITE INSPECTIONS

Monthly Site inspections were conducted between January and December 2012. During the inspections, the perimeter collection system, offsite force main, manholes, wet wells, landfill cap, wetlands, perimeter fence, drainage ditches, swale outlets, culverts, gas vents, and monitoring wells were each visually inspected. A summary of the inspection findings is included in Table 2.2. Copies of the Monthly Inspection Logs have been included in Appendix E.

Each of the inspections found the manholes and wet wells to be in good condition with the exception of the April and May inspections. The April inspection found Wet Well C in need of a new discharge hose and the May inspection identified a high water level in Wet Well A. The pump and hose were replaced in Wet Well C in April and the pump was replaced in Wet Well A in May, prior to completing the inspections. Water levels in the wet wells were measured during each inspection visit.

Examination of the landfill cap vegetative cover included checking for erosion, bare areas, washouts, leachate seeps, length of vegetation, and dead/dying vegetation. Additionally, during the examination of the landfill cap, the access roads were examined for bare areas, dead/dying vegetation, erosion, potholes/puddles, and obstructions. No surface

erosion, bare spots, or leachate seeps were noted. The landfill cap vegetation was noted to be short during the January through May and November site inspections, tall in June and July inspections, normal during the August through October inspections, and normal for early winter in December. The landfill cap was mowed in September.

Post-construction monitoring of the wetland replacement was performed annually between 2001 and 2005. Monitoring results indicated that the wetland creation was successful. Although the formal annual inspections are no longer required, monthly visual inspection of the wetlands will continue, to document general conditions. A drainage project was completed by the City of North Tonawanda in December 2012. This project included excavation of a drainage ditch across the northern end of the landfill property, north of the landfill's northern perimeter collection system and perimeter barrier system in an effort to alleviate seasonal flooding in the yards of homes along Witmer Road. Excavation was oriented through the wetlands in an east-west direction.

The wetlands were visually examined during monthly inspections for growth and propagation of wetland species, dead/dying vegetation, presence of invasive species (i.e., purple loosestrife), change in water budget, and general conditions. No signs of damage to the wetlands due to loss of vegetation, or changes in the water budget, were observed during each of the inspections. Water levels in the wetlands were noted as normal in January and March through June, low to normal in November, and low in February, July through October. Typical winter vegetative conditions were observed from January through March, typical for spring vegetative conditions were noted in April and May, and good to fair conditions were observed during the monthly site inspections the other months during 2012. In the December 2012 site inspection it was noted that the drainage project completed north of the landfill in early December by the City of North Tonawanda changed the wetland area both in vegetative cover and water level by constructing a drainage ditch through the wetland area. Wetland vegetation appears to be doing well on both sides (north and south) of the drainage construction work and standing water remains in the wetlands after completion of the drainage construction project. The drainage project permanently changed the position of the perimeter fence on the northern end of the site to maintain site security during drainage project related field work (Figure 1.1).

Overall the landfill system, including the perimeter fence, drainage ditches, swale outlets, culverts, gas vents, and monitoring wells were found to be in acceptable condition.

2.3 MAINTENANCE

Scheduled maintenance during 2012 included:

- Wet well pumps were removed from the wells, cleaned, amperage checked, and returned to the wet wells.
- National Grid was escorted on site to change electric gate switches on a power pole near the control shed.
- Tall grass, brush, and weeds along the inside of the perimeter fence line and pathways to monitoring and observation wells was cut.

- Access and escort was provided on two dates for a Town of Wheatfield subcontractor working on a drainage project near the south end of the site where it extended just under the perimeter fence at one location.
- O&M Enterprises, Inc. observed repairs to the 3-inch effluent line (between Wet Well A and POTW) damaged by the Town of Wheatfield subcontractor to confirm they were completed properly.
- A high level alarm was encountered in Wet Well A for several days in November due to heavy rainfall and the pump was checked daily for several days during the high level alarm to confirm continued operation.
- On several days, O&M Enterprises, Inc. provided access and escort for a drainage project performed in November and December by a subcontractor to the City of North Tonawanda. While fence repairs were taking place, Site security was confirmed at the end of each working day.
- The landfill cap was mowed.
- Brush was cut near the fence line.

Occasional unscheduled maintenance at the landfill is required. During this reporting period, the following items requiring unscheduled maintenance were addressed.

- On April 12, a leaking discharge hose and pump at Wet Well C was replaced.
- On May 1, a failed pump was replaced in Wet Well A.
- On both November 5 and December 26, a new pump and motor was installed in Wet Well A to replace a failed pump and motor.

Maintenance Record Logs are included in Appendix F.

2.4 WATER LEVELS

Monthly water level measurements were collected to (1) ensure that water levels inside the landfill are lowered by the operation of the perimeter collection system; and (2) allow planning for groundwater sampling dates, when the maximum number of wells could be sampled. Water levels were collected from the wet wells, the piezometers (hydraulic monitoring locations) within the limits of the landfill, and the groundwater monitoring wells (see Figure 1.1). Water levels in the wet wells were collected during the monthly inspections and recorded on water level records (Appendix G). The water level data, including depths to water and elevations, are summarized on Table 2.3. During 2012, water levels were collected from the monitoring wells on a monthly basis. Water levels generally varied between 1.0 and 3.1 feet over the course of the year.

Table 2.1
Detected Analytes in Groundwater Samples
Niagara County Refuse Site
Wheatfield, Niagara County, New York

City of North Tonawanda 216 Payne Ave North Tonawanda, NY C/O Niagara Co. Refuse Site Validated Groundwater Data November 2012		Sample ID: Lab ID: Source: SDG: Matrix: Sampled: Validated:				NCR-3S 480-28155-2 TAL-Buffalo 480-28155 WATER 11/8/2012 1/4/2013	NCR-4S 480-28155-3 TAL-Buffalo 480-28155 WATER 11/8/2012 1/4/2013	NCR-13S 480-28155-1 TAL-Buffalo 480-28155 WATER 11/8/2012 1/4/2013	Field Duplicate 480-28155-4 TAL-Buffalo 480-28155 WATER 11/8/2012 1/4/2013
CAS NO.	COMPOUND	UNITS:	NYS DEC AWQS*	NYS DOH MCL	US EPA MCL				DUP of NCR-13
	METALS								
7429-90-5	Aluminum	ug/L	100	-	-	61 J	400	150 J	180 J
7440-39-3	Barium	ug/L	1000	2000	2000	51	61	42	43
7440-41-7	Beryllium	ug/L	3 ⁺	4	4	0.3 U	0.3 U	0.3 U	1.2 J
7440-43-9	Cadmium	ug/L	5	5	5	0.7 J	0.5 U	0.6 J	0.53 J
7440-70-2	Calcium	ug/L	-	-	-	135,000	137,000	147,000	148,000
7440-47-3	Chromium	ug/L	50	100	100	3.5 J	2.1 J	3.3 J	3.5 J
7440-50-8	Copper	ug/L	5	-	-	7 J	2.5 J	5.3 J	4.7 J
7439-89-6	Iron	ug/L	300 ^{>}	300 ^{>}	-	320	1,400	380	310
7439-92-1	Lead	ug/L	25	25	15	3.8 J	3 U	3 U	3 U
7439-95-4	Magnesium	ug/L	35000 ⁺	-	-	79,200	43,600	56,900	57,900
7439-96-5	Manganese	ug/L	300 ^{>}	300 ^{>}	-	7	4.4	3.7	2.3 J
7440-02-0	Nickel	ug/L	100	-	-	6.8 J	1.6 J	3.9 J	3.7 J
7440-09-7	Potassium	ug/L	-	-	-	3,500 J	23,600 J	2,500 J	1,900 J
7440-23-5	Sodium	ug/L	20000	20000	20000	9,700	37,300	20,100	20,500
7440-66-6	Zinc	ug/L	2000 ⁺	5000	-	38	63	30 J	15 J

* = NYSDEC Ambient Water Quality Standards.

+ = Guidance value.

> = Sum of iron and manganese should not exceed
500 ug/L NYDEC or 300 ug/L NYSDOH.

J = Estimated value. - = No standard identified. U = not detected at the value given.

Boxed values exceed NYSDEC AWQS.

Bold values exceed NYSDOH maximum contaminant levels (MCL).

Shaded values exceed USEPA maximum contaminant levels.

Table 2.2 Monthly Site Inspection Results

Inspection Item	Acceptable	Not Acceptable	Comments
Manholes	X		
Wet Wells	X		Water levels were measured monthly.
Wetlands	X		A lower than normal water level was noted during the February and July through October inspections. Normal water levels were observed during the January and March through June inspections. Wetlands were modified by a drainage project completed in December.
Perimeter Fence	X		No problems were noted in 2012.
Condition of Roads	X		No erosion or other problems.
Integrity of the Cap	X		No problems were noted in 2012.
Drainage Ditches/Swales	X		
Gas Venting System	X		
Wells	X		Water levels were measured monthly.
Culverts	X		
Vegetative Cover	X		Height of vegetation on the cap was noted as short during the January through May, and November inspections and noted as tall during the June and July inspections. The cap was mowed in September 2012.

**Table 2.3
Niagara County Refuse Site
Water Level Measurements**

Observation Point	Elevation Top of Casing (ft. msl)	12/5/2000		1/8/2001		2/1/2001		3/8/2001		4/4/2001		5/8/2001		6/5/2001		7/2/2001		8/1/2001		9/5/2001		10/4/2001		11/5/2001		12/11/2001		
		Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	
East "A"	598.93	22.05	576.88	-	-	-	-	21.34	577.59	-	-	22.21	576.72	21.98	576.95	-	-	22.51	576.42	22.63	576.30	22.61	576.32	22.74	576.19	22.88	576.05	
East "B"	596.23	19.12	577.11	-	-	-	-	19.35	576.88	-	-	19.23	577.00	19.30	576.93	-	-	20.50	575.73	19.44	576.79	19.22	577.01	19.36	576.87	19.44	576.79	
East "C"	598.69	17.46	581.23	-	-	-	-	17.86	580.83	-	-	18.37	580.32	18.38	580.31	-	-	18.65	580.04	18.64	580.05	18.20	580.49	18.80	579.89	18.75	579.94	
East "D"	593.20	11.10	582.10	-	-	-	-	12.45	580.75	-	-	12.86	580.34	12.79	580.41	-	-	13.00	580.20	12.8	580.40	12.24	580.96	12.74	580.46	12.94	580.26	
WW A	-	2.50	-	2.67	-	2.33	-	1.13	-	2.29	-	1.83	-	2.17	-	1.58	-	1.83	-	-	-	1.83	-	2.33	-	2.08	-	
WW B	-	2.20	-	2.42	-	1.96	-	1.09	-	1.79	-	2.17	-	1.92	-	1.50	-	2.00	-	1.92	-	1.58	-	1.50	-	2.08	-	
WW C	-	1.50	-	2.42	-	1.70	-	0.92	-	2.04	-	2.00	-	1.67	-	1.33	-	2.08	-	2.33	-	1.25	-	2.00	-	1.58	-	
WW D	-	1.70	-	-	-	1.50	-	0.99	-	1.08	-	1.50	-	1.33	-	2.0	-	1.25	-	2.25	-	2.00	-	2.08	-	1.33	-	
NCR-3S	579.60	-	-	-	-	-	-	-	-	-	-	-	3.71	575.89	-	-	-	-	dry	-	dry	-	dry	-	5.10	574.50	4.64	574.96
NCR-4S	577.88	-	-	-	-	-	-	-	-	-	-	-	4.28	573.60	-	-	-	-	dry	-	dry	-	dry	-	4.51	573.37	3.92	573.96
NCR-5S	579.34	-	-	-	-	-	-	-	-	-	-	-	9.10	570.24	-	-	-	-	dry	-	dry	-	dry	-	-	-	dry	-
NCR-13S	577.15	-	-	-	-	-	-	-	-	-	-	-	7.05	570.10	-	-	-	-	7.85	569.30	7.80	569.35	7.70	569.45	6.65	570.50	6.11	571.04

Observation Point	Elevation Top of Casing (ft. msl)	1/2/2002		2/4/2002		3/4/2002		4/1/2002		5/3/2002		6/4/2002		7/2/2002		8/7/2002		9/6/2002		10/3/2002		11/7/2002		12/3/2002	
		Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)
East "A"	598.93	22.90	576.03	22.81	576.12	22.03	576.90	22.25	576.68	20.06	578.87	19.84	579.09	22.00	576.93	22.65	576.28	22.78	576.15	28.48	570.45	23.25	575.68	23.36	575.57
East "B"	596.23	19.63	576.60	19.39	576.84	19.46	576.77	19.49	576.74	19.44	576.79	20.59	575.64	19.56	576.67	19.40	576.83	19.40	576.83	19.46	576.77	19.35	576.88	-	-
East "C"	598.69	18.70	579.99	18.51	580.18	18.70	579.99	18.63	580.06	18.80	579.89	18.74	579.95	18.78	579.91	18.95	579.74	18.92	579.77	18.99	579.70	19.30	579.39	19.35	579.34
East "D"	593.20	13.16	580.04	12.95	580.25	13.3	579.90	13.35	579.85	13.50	579.70	13.73	579.47	13.74	579.46	13.81	579.39	13.58	579.62	14.01	579.19	13.2	580.00	13.54	579.66
WW A	-	1.17	-	2.17	-	1.67	-	2.00	-	2.00	-	2.17	-	1.50	-	2.50	-	1.83	-	1.50	-	1.42	-	2.00	-
WW B	-	1.00	-	2.00	-	1.25	-	1.33	-	1.67	-	2.00	-	1.58	-	1.67	-	1.42	-	1.33	-	1.17	-	1.25	-
WW C	-	1.50	-	1.42	-	1.58	-	1.50	-	1.83	-	1.25	-	1.67	-	2.17	-	1.50	-	1.33	-	1.25	-	1.50	-
WW D	-	1.50	-	1.00	-	1.42	-	1.17	-	1.58	-	1.50	-	1.92	-	2.00	-	1.67	-	2.00	-	1.33	-	1.50	-
NCR-3S	579.60	4.54	575.06	4.52	575.08	3.90	575.70	4.10	575.50	4.43	575.17	5.20	574.40	5.71	573.89	5.90	573.70	dry	-	5.91	573.69	dry	-	4.46	575.14
NCR-4S	577.88	3.71	574.17	3.70	574.18	3.80	574.08	3.66	574.22	3.75	574.13	4.02	573.86	4.45	573.43	dry	-	dry	-	dry	-	dry	-	3.95	573.93
NCR-5S	579.34	8.42	570.92	7.69	571.65	7.68	571.66	7.61	571.73	8.28	571.06	9.10	570.24	9.52	569.82	dry	-	dry	-	dry	-	dry	-	dry	-
NCR-13S	577.15	5.85	571.30	5.76	571.39	5.74	571.41	5.81	571.34	6.07	571.08	6.27	570.88	7.25	569.90	7.57	569.58	dry	-	7.78	569.37	dry	-	6.40	570.75

Notes:
- = measurement not collected.
dry = no water in well.

**Table 2.3
Niagara County Refuse Site
Water Level Measurements**

Observation Point	Elevation Top of Casing (ft. msl)	1/6/2003		2/5/2003		3/6/2003		4/2/2003		5/5/2003		6/5/2003		7/1/2003		8/1/2003		9/2/2003		10/8/2003		11/12/2003		12/6/2003	
		Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)
East "A"	598.93	23.48	575.45	23.51	575.42	23.65	575.28	23.75	575.18	23.81	575.12	23.25	575.68	23.11	575.82	23.25	575.68	23.41	575.52	23.35	575.58	23.71	575.22	23.85	575.08
East "B"	596.23	19.53	576.70	19.40	576.83	19.59	576.64	19.61	576.62	19.70	576.53	19.66	576.57	19.77	576.46	19.58	576.65	19.64	576.59	19.59	576.64	19.65	576.58	NA	-
East "C"	598.69	18.82	579.87	19.11	579.58	18.99	579.70	19.07	579.62	18.98	579.71	19.00	579.69	19.39	579.30	19.19	579.50	19.25	579.44	19.24	579.45	18.81	579.88	19.27	579.42
East "D"	593.20	13.24	579.96	13.52	579.68	13.7	579.50	13.88	579.32	14.15	579.05	14.07	579.13	14.31	578.89	14.04	579.16	14.04	579.16	13.97	579.23	13.64	579.56	14.02	579.18
WW A	-	1.42	-	1.25	-	1.50	-	1.42	-	1.58	-	1.33	-	1.33	-	1.17	-	1.42	-	1.33	-	2.00	-	1.33	-
WW B	-	1.08	-	1.17	-	1.67	-	1.17	-	0.75	-	1.25	-	1.42	-	1.50	-	1.50	-	1.17	-	1.42	-	1.67	-
WW C	-	1.33	-	1.50	-	1.25	-	1.33	-	1.50	-	1.42	-	1.00	-	1.08	-	1.08	-	1.08	-	1.00	-	1.67	-
WW D	-	1.42	-	1.67	-	1.08	-	1.25	-	1.50	-	1.50	-	1.25	-	1.58	-	1.33	-	1.50	-	1.58	-	1.50	-
NCR-3S	579.60	3.84	575.76	4.06	575.54	4.55	575.05	4.39	575.21	4.39	575.21	4.41	575.19	5.80	573.80	5.92	573.68	dry	-	dry	-	4.45	575.15	4.24	575.36
NCR-4S	577.88	2.91	574.97	-	-	-	-	3.65	574.23	3.60	574.28	2.65	575.23	4.05	573.83	3.98	573.90	dry	-	4.37	573.51	2.93	574.95	2.88	575.00
NCR-5S	579.34	7.95	571.39	8.69	570.65	8.11	571.23	7.66	571.68	8.58	570.76	8.08	571.26	9.26	570.08	10.12	569.22	10.95	568.39	dry	-	10.40	568.94	8.11	571.23
NCR-13S	577.15	5.89	571.26	5.54	571.61	6.16	570.99	6.05	571.10	6.13	571.02	6.11	571.04	7.21	569.94	7.48	569.67	7.59	569.56	7.77	569.38	6.35	570.80	6.07	571.08

Observation Point	Elevation Top of Casing (ft. msl)	1/2/2004		2/5/2004		3/1/2004		4/5/2004		5/4/2004		6/11/2004		7/10/2004		8/9/2004		9/8/2004		10/2/2004		11/4/2004		12/3/2004	
		Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)
East "A"	598.93	23.90	575.03	23.93	575.00	24.00	574.93	23.26	575.67	22.14	576.79	19.44	579.49	19.19	579.74	20.70	578.23	23.31	575.62	23.34	575.59	22.44	576.49	22.48	576.45
East "B"	596.23	19.83	576.40	NA	-	NA	-	19.60	576.63	19.65	576.58	19.81	576.42	19.75	576.48	19.85	576.38	19.68	576.55	19.53	576.70	17.51	578.72	17.49	578.74
East "C"	598.69	19.12	579.57	19.79	578.90	19.22	579.47	19.36	579.33	19.24	579.45	19.42	579.27	19.28	579.41	19.56	579.13	19.48	579.21	19.36	579.33	18.95	579.74	18.94	579.75
East "D"	593.20	13.9	579.30	14.52	578.68	14.11	579.09	14.05	579.15	14.25	578.95	14.5	578.70	14.4	578.80	14.64	578.56	14.3	578.90	14.18	579.02	14.05	579.15	14.01	579.19
WW A	-	1.58	-	1.17	-	2.17	-	0.75	-	1.25	-	1.50	-	1.25	-	1.25	-	1.33	-	1.25	-	1.42	-	1.67	-
WW B	-	1.33	-	NA	-	1.50	-	1.30	-	1.17	-	1.17	-	1.17	-	1.25	-	1.00	-	1.00	-	1.17	-	0.42	-
WW C	-	1.08	-	1.00	-	1.17	-	1.17	-	1.00	-	1.08	-	1.17	-	1.08	-	1.17	-	1.17	-	1.58	-	0.25	-
WW D	-	1.17	-	1.08	-	1.67	-	0.65	-	1.50	-	1.33	-	1.00	-	1.00	-	1.25	-	1.00	-	1.17	-	0.25	-
NCR-3S	579.60	4.11	575.49	4.21	575.39	3.19	576.41	4.09	575.51	3.37	576.23	4.92	574.68	dry	-	4.36	575.24	5.44	574.16	dry	-	2.42	577.18	3.06	576.54
NCR-4S	577.88	2.65	575.23	2.72	575.16	2.42	575.46	2.53	575.35	2.76	575.12	2.99	574.89	3.74	574.14	3.50	574.38	3.32	574.56	3.65	574.23	2.74	575.14	2.75	575.13
NCR-5S	579.34	7.53	571.81	8.34	571.00	7.01	572.33	7.10	572.24	7.99	571.35	8.80	570.54	9.20	570.14	9.40	569.94	9.20	570.14	9.28	570.06	9.90	569.44	7.27	572.07
NCR-13S	577.15	5.72	571.43	5.95	571.20	5.88	571.27	5.49	571.66	6.08	571.07	6.22	570.93	7.08	570.07	7.09	570.06	6.75	570.40	7.16	569.99	5.95	571.20	4.28	572.87

Notes:
 - = measurement not collected.
 dry = no water in well.

**Table 2.3
Niagara County Refuse Site
Water Level Measurements**

Observation Point	Elevation Top of Casing (ft. msl)	1/5/2005		2/3/2005		3/9/2005		4/2/2005		6/4/2005		7/6/2005		8/4/2005		9/3/2005		10/7/2005		12/10/2005	
		Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)
East "A"	598.93	24.20	574.73	21.21	577.72	19.45	579.48	22.21	576.72	22.19	576.74	23.24	575.69	23.49	575.44	23.57	575.36	24.07	574.86	24.47	574.46
East "B"	596.23	19.68	576.55	19.52	576.71	19.79	576.44	19.66	576.57	19.97	576.26	19.89	576.34	19.96	576.27	19.70	576.53	19.51	576.72	19.50	576.73
East "C"	598.69	19.60	579.09	19.42	579.27	19.33	579.36	19.15	579.54	19.71	578.98	19.76	578.93	19.57	579.12	19.51	579.18	19.65	579.04	19.39	579.30
East "D"	593.20	14.2	579.00	14.35	578.85	13.89	579.31	14.29	578.91	14.68	578.52	14.64	578.56	14.62	578.58	14.47	578.73	14.4	578.80	14.24	578.96
WW A	-	0.58	-	1.08	-	0.50	-	1.00	-	1.00	-	1.00	-	1.25	-	1.17	-	1.33	-	1.50	-
WW B	-	1.50	-	1.17	-	0.83	-	1.25	-	1.17	-	1.50	-	1.42	-	0.92	-	1.17	-	1.17	-
WW C	-	0.67	-	1.00	-	1.00	-	1.00	-	1.25	-	0.92	-	1.25	-	1.00	-	1.00	-	0.83	-
WW D	-	1.25	-	1.25	-	1.00	-	1.17	-	1.33	-	0.92	-	1.50	-	1.00	-	1.08	-	1.08	-
NCR-3S	579.60	1.82	577.78	3.39	576.21	3.11	576.49	1.50	578.10	5.93	573.67	dry	-	5.96	573.64	dry	-	5.63	573.97	4.21	575.39
NCR-4S	577.88	2.60	575.28	3.08	574.80	frozen	-	2.51	575.37	3.87	574.01	dry	-	dry	-	dry	-	3.69	574.19	2.99	574.89
NCR-5S	579.34	5.46	573.88	6.57	572.77	6.14	573.20	6.36	572.98	8.10	571.24	10.60	568.74	dry	-	dry	-	dry	-	8.17	571.17
NCR-13S	577.15	3.60	573.55	5.14	572.01	4.34	572.81	3.19	573.96	6.59	570.56	7.52	569.63	7.79	569.36	dry	-	7.21	569.94	6.06	571.09

Observation Point	Elevation Top of Casing (ft. msl)	1/13/2006		2/10/2006		3/3/2006		4/8/2006		5/1/2006		6/7/2006		7/14/2006		8/8/2006		9/18/2006		10/7/2006		11/3/2006		12/1/2006	
		Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)
East "A"	598.93	24.55	574.38	24.68	574.25	24.72	574.21	24.22	574.71	24.81	574.12	23.53	575.40	24.77	574.16	24.23	574.70	24.68	574.25	24.78	574.15	24.74	574.19	24.53	574.40
East "B"	596.23	19.45	576.78	19.85	576.38	19.87	576.36	19.86	576.37	21.10	575.13	19.80	576.43	19.79	576.44	19.84	576.39	19.51	576.72	19.80	576.43	19.86	576.37	18.80	577.43
East "C"	598.69	19.28	579.41	19.75	578.94	19.84	578.85	19.77	578.92	20.09	578.60	19.69	579.00	19.71	578.98	19.66	579.03	19.37	579.32	20.78	577.91	20.03	578.66	19.26	579.43
East "D"	593.20	14.15	579.05	14.48	578.72	14.44	578.76	14.46	578.74	14.74	578.46	14.87	578.33	14.83	578.37	14.71	578.49	14.45	578.75	14.95	578.25	14.67	578.53	14.45	578.75
WW A	-	1.17	-	1.17	-	1.17	-	1.00	-	1.25	-	1.25	-	1.00	-	1.17	-	1.17	-	1.17	-	1.08	-	1.33	-
WW B	-	0.83	-	1.17	-	0.92	-	1.08	-	1.08	-	1.08	-	1.25	-	1.00	-	0.83	-	0.92	-	1.00	-	0.83	-
WW C	-	0.92	-	1.00	-	1.00	-	1.08	-	1.08	-	1.00	-	1.25	-	1.00	-	0.83	-	1.00	-	0.92	-	0.67	-
WW D	-	1.08	-	1.00	-	0.92	-	0.92	-	1.00	-	1.17	-	0.92	-	0.92	-	0.92	-	1.00	-	1.00	-	1.00	-
NCR-3S	579.60	2.77	576.83	3.02	576.58	3.48	576.12	2.45	577.15	3.44	576.16	dry	-	dry	-	5.85	573.75	3.67	575.93	3.06	576.54	3.51	576.09	1.35	578.25
NCR-4S	577.88	2.83	575.05	2.91	574.97	3.30	574.58	2.72	575.16	3.26	574.62	4.31	573.57	4.59	573.29	dry	-	3.51	574.37	2.97	574.91	3.15	574.73	2.44	575.44
NCR-5S	579.34	7.43	571.91	7.96	571.38	8.58	570.76	7.91	571.43	8.79	570.55	8.97	570.37	dry	-	dry	-	dry	-	7.37	571.97	6.22	573.12	4.21	575.13
NCR-13S	577.15	5.78	571.37	5.99	571.16	6.08	571.07	5.84	571.31	6.15	571.00	7.33	569.82	7.57	569.58	7.69	569.46	6.36	570.79	5.72	571.43	4.33	572.82	2.77	574.38

Notes:
 - = measurement not collected.
 dry = no water in well.

**Table 2.3
Niagara County Refuse Site
Water Level Measurements**

Observation Point	Elevation Top of Casing (ft. msl)	1/19/2007		2/9/2007		3/10/2007		4/2/2007		5/4/2007		6/1/2007		7/2/2007		8/2/2007		9/17/2007		10/12/2007		11/1/2007		12/1/2007	
		Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)
East "A"	598.93	24.98	573.95	24.65	574.28	24.84	574.09	24.88	574.05	25.02	573.91	25.50	573.43	24.98	573.95	24.96	573.97	25.03	573.90	24.98	573.95	25.11	573.82	25.13	573.80
East "B"	596.23	19.38	576.85	19.56	576.67	-	-	19.98	576.25	20.07	576.16	19.78	576.45	19.86	576.37	19.85	576.38	19.81	576.42	19.50	576.73	19.52	576.71	19.59	576.64
East "C"	598.69	19.51	579.18	19.81	578.88	19.71	578.98	20.10	578.59	20.17	578.52	19.87	578.82	19.99	578.70	19.97	578.72	20.19	578.50	19.78	578.91	19.93	578.76	19.97	578.72
East "D"	593.20	14.38	578.82	14.68	578.52	14.82	578.38	15.24	577.96	15.09	578.11	15.1	578.10	15.19	578.01	15.11	578.09	15.16	578.04	14.64	578.56	14.8	578.40	14.86	578.34
WW A	-	1.17	-	1.08	-	1.25	-	1.08	-	1.25	-	1.17	-	1.00	-	0.83	-	0.67	-	1.00	-	0.92	-	1.00	-
WW B	-	1.00	-	1.00	-	0.67	-	1.17	-	0.75	-	0.92	-	0.83	-	0.83	-	0.83	-	0.92	-	1.08	-	1.17	-
WW C	-	0.83	-	0.83	-	0.67	-	0.83	-	0.83	-	0.83	-	0.67	-	0.50	-	0.67	-	0.50	-	1.00	-	1.08	-
WW D	-	1.00	-	0.83	-	1.00	-	0.83	-	0.83	-	0.83	-	1.00	-	0.83	-	1.00	-	0.75	-	0.83	-	1.00	-
NCR-3S	579.60	3.04	576.56	3.75	575.85	2.70	576.90	3.26	576.34	3.50	576.10	5.89	573.71	dry	-	dry	-	dry	-	dry	-	dry	-	dry	-
NCR-4S	577.88	2.94	574.94	3.42	574.46	2.80	575.08	2.93	574.95	3.19	574.69	3.90	573.98	dry	-	dry	-	dry	-	dry	-	dry	-	dry	-
NCR-5S	579.34	5.77	573.57	6.83	572.51	6.28	573.06	6.08	573.26	6.75	572.59	8.87	570.47	10.99	568.35	dry	-	dry	-	dry	-	dry	-	dry	-
NCR-13S	577.15	3.85	573.30	4.51	572.64	4.39	572.76	4.25	572.90	4.81	572.34	7.01	570.14	7.44	569.71	7.70	569.45	dry	-	7.72	569.43	7.75	569.40	dry	-

Observation Point	Elevation Top of Casing (ft. msl)	1/4/2008		2/8/2008		3/7/2008		4/4/2008		5/8/2008		6/5/2008		7/1/2008		8/7/2008		9/11/2008		10/9/2008		11/3/2008		12/5/2008	
		Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)
East "A"	598.93	25.31	573.62	25.22	573.71	25.27	573.66	25.37	573.56	25.39	573.54	25.46	573.47	25.49	573.44	25.44	573.49	25.50	573.43	25.41	573.52	25.39	573.54	25.41	573.52
East "B"	596.23	19.95	576.28	19.65	576.58	19.90	576.33	19.70	576.53	19.71	576.52	19.96	576.27	19.91	576.32	19.87	576.36	20.04	576.19	19.60	576.63	19.83	576.40	19.99	576.24
East "C"	598.69	20.30	578.39	19.97	578.72	20.26	578.43	19.85	578.84	19.99	578.70	20.18	578.51	20.20	578.49	20.13	578.56	20.44	578.25	20.03	578.66	20.20	578.49	20.20	578.49
East "D"	593.20	15.15	578.05	14.66	578.54	14.89	578.31	15.11	578.09	15.02	578.18	15.2	578.00	15.4	577.80	15.34	577.86	15.51	577.69	15.16	578.04	15.4	577.80	15.13	578.07
WW A	-	1.00	-	0.83	-	1.08	-	0.92	-	1.08	-	1.00	-	0.83	-	0.83	-	0.83	-	0.83	-	1.00	-	1.00	-
WW B	-	0.83	-	0.92	-	1.00	-	1.00	-	0.83	-	0.83	-	0.83	-	0.83	-	0.67	-	0.75	-	0.67	-	0.92	-
WW C	-	1.00	-	0.83	-	0.75	-	0.50	-	0.75	-	0.83	-	0.67	-	0.83	-	0.42	-	0.50	-	0.58	-	0.83	-
WW D	-	1.08	-	1.00	-	0.83	-	0.33	-	0.50	-	0.50	-	0.59	-	0.67	-	0.50	-	0.50	-	0.50	-	0.50	-
NCR-3S	579.60	3.46	576.14	3.29	576.31	3.56	576.04	3.21	576.39	4.17	575.43	dry	-	dry	-	3.81	575.79	dry	-	5.44	574.16	3.81	-	3.22	576.38
NCR-4S	577.88	3.06	574.82	2.82	575.06	2.89	574.99	2.59	575.29	2.91	574.97	3.61	574.27	4.53	573.35	3.43	574.45	4.27	573.61	3.90	573.98	3.17	574.71	3.52	574.36
NCR-5S	579.34	10.80	568.54	6.26	573.08	7.11	572.23	5.84	573.50	7.45	571.89	9.00	570.34	10.24	569.10	dry	-	dry	-	dry	-	7.75	571.59	6.24	573.10
NCR-13S	577.15	4.64	572.51	4.30	572.85	4.74	572.41	4.16	572.99	5.31	571.84	6.92	570.23	7.47	569.68	7.26	569.89	7.54	569.61	7.48	569.67	5.75	571.40	4.53	572.62

Notes:
 - = measurement not collected.
 dry = no water in well.

**Table 2.3
Niagara County Refuse Site
Water Level Measurements**

Observation Point	Elevation Top of Casing (ft. msl)	1/9/2009		2/5/2009		3/5/2009		4/3/2009		5/1/2009		6/4/2009		7/10/2009		8/12/2009		9/5/2009		10/9/2009		11/8/2009		12/4/2009	
		Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)
East "A"	598.93	25.34	573.59	25.54	573.39	25.60	573.33	25.42	573.51	25.64	573.29	25.66	573.27	25.62	573.31	25.51	573.42	25.52	573.41	25.45	573.48	25.63	573.30	25.53	573.40
East "B"	596.23	19.85	576.38	20.05	576.18	19.94	576.29	19.44	576.79	19.99	576.24	20.00	576.23	20.15	576.08	19.77	576.46	19.83	576.40	19.78	576.45	19.85	576.38	19.66	576.57
East "C"	598.69	20.22	578.47	20.56	578.13	20.20	578.49	19.36	579.33	20.35	578.34	20.55	578.14	20.51	578.18	20.33	578.36	20.30	578.39	20.04	578.65	20.45	578.24	20.30	578.39
East "D"	593.20	14.85	578.35	15.25	577.95	15.54	577.66	14.81	578.39	15.65	577.55	15.75	577.45	15.62	577.58	15.51	577.69	15.69	577.51	15.22	577.98	15.45	577.75	18.98	574.22
WW A	-	1.33	-	0.83	-	0.83	-	1.00	-	0.83	-	0.83	-	0.67	-	0.50	-	0.75	-	1.00	-	0.75	-	0.75	-
WW B	-	1.00	-	0.67	-	1.00	-	0.92	-	1.00	-	0.67	-	0.83	-	0.83	-	0.67	-	1.00	-	1.00	-	0.42	-
WW C	-	0.75	-	0.67	-	0.50	-	0.50	-	0.50	-	0.58	-	0.50	-	0.58	-	0.50	-	0.42	-	0.33	-	0.83	-
WW D	-	0.67	-	1.00	-	0.50	-	0.58	-	0.50	-	0.50	-	0.42	-	0.67	-	0.50	-	0.67	-	0.58	-	0.75	-
NCR-3S	579.60	2.97	576.63	4.11	575.49	3.55	576.05	2.20	577.40	3.48	576.12	dry	-	dry	-	3.66	575.94	dry	-	4.52	575.08	3.74	575.86	2.57	577.03
NCR-4S	577.88	2.90	574.98	3.19	574.69	3.36	574.52	2.39	575.49	2.90	574.98	dry	-	4.65	573.23	2.98	574.90	dry	-	3.49	574.39	3.15	574.73	2.78	575.10
NCR-5S	579.34	6.33	573.01	7.42	571.92	6.78	572.56	8.00	571.34	6.46	572.88	6.87	572.47	10.10	569.24	7.47	571.87	9.88	569.46	dry	-	9.78	569.56	5.92	573.42
NCR-13S	577.15	4.40	572.75	5.09	572.06	5.01	572.14	4.04	573.11	4.77	572.38	5.95	571.20	7.47	569.68	5.92	571.23	7.45	569.70	dry	-	6.16	570.99	4.27	572.88

Observation Point	Elevation Top of Casing (ft. msl)	1/7/2010		2/1/2010		3/11/2010		4/1/2010		5/6/2010		6/1/2010		7/2/2010		8/12/2010		9/16/2010		10/8/2010		11/5/2010		12/2/2010	
		Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)
East "A"	598.93	25.62	573.31	25.72	573.21	25.77	573.16	25.81	573.12	25.79	573.14	25.73	573.20	25.78	573.15	25.74	573.19	25.78	573.15	25.77	573.16	25.82	573.11	25.88	573.05
East "B"	596.23	19.78	576.45	19.97	576.26	19.83	576.40	19.83	576.40	19.79	576.44	19.83	576.40	19.99	576.24	19.84	576.39	19.87	576.36	19.70	576.53	19.52	576.71	19.52	576.71
East "C"	598.69	20.24	578.45	20.46	578.23	20.25	578.44	20.31	578.38	20.21	578.48	20.24	578.45	20.65	578.04	20.22	578.47	20.19	578.50	20.32	578.37	19.98	578.71	20.40	578.29
East "D"	593.20	15.25	577.95	15.42	577.78	15.38	577.82	15.48	577.72	15.49	577.71	15.59	577.61	15.7	577.50	15.65	577.55	15.65	577.55	15.43	577.77	15.53	577.67	15.22	577.98
WW A	-	0.83	-	0.83	-	0.83	-	0.67	-	0.58	-	0.83	-	0.67	-	0.75	-	0.67	-	0.67	-	0.83	-	0.67	-
WW B	-	0.58	-	0.58	-	0.75	-	0.50	-	0.50	-	0.50	-	0.42	-	0.50	-	0.50	-	0.50	-	0.42	-	0.42	-
WW C	-	0.33	-	0.50	-	0.50	-	0.50	-	0.50	-	0.58	-	0.67	-	0.58	-	0.58	-	0.42	-	0.58	-	0.67	-
WW D	-	0.67	-	0.58	-	0.92	-	0.58	-	0.67	-	0.50	-	0.50	-	0.50	-	0.50	-	0.50	-	0.58	-	0.50	-
NCR-3S	579.60	3.19	576.41	3.48	576.12	2.06	577.54	3.30	576.30	4.61	574.99	3.98	575.62	dry	-	dry	-	dry	-	dry	-	dry	-	2.78	576.82
NCR-4S	577.88	2.85	575.03	frozen	frozen	2.60	575.28	2.94	574.94	2.84	575.04	2.86	575.02	dry	-	dry	-	dry	-	dry	-	dry	-	2.91	574.97
NCR-5S	579.34	6.45	572.89	6.33	573.01	5.81	573.53	6.18	573.16	7.93	571.41	7.75	571.59	9.11	570.23	dry	-	dry	-	dry	-	dry	-	dry	-
NCR-13S	577.15	4.64	572.51	4.65	572.50	3.68	573.47	4.71	572.44	5.10	572.05	4.97	572.18	7.40	569.75	dry	-	dry	-	dry	-	dry	-	5.82	571.33

Notes:
 - = measurement not collected.
 dry = no water in well.

**Table 2.3
Niagara County Refuse Site
Water Level Measurements**

Observation Point	Elevation Top of Casing (ft. msl)	1/7/2011		2/9/2011		3/3/2011		4/9/2011		5/6/2011		6/3/2011		7/15/2011		8/5/2011		9/5/2011		10/7/2011		11/3/2011		12/2011	
		Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)
East "A"	598.93	25.88	573.05	26.05	572.88	26.12	572.81	26.13	572.80	26.15	572.78	26.22	572.71	25.78	573.15	26.44	573.42	26.54	573.41	26.10	572.83	26.05	572.88	26.04	572.89
East "B"	596.23	19.43	576.80	19.95	576.28	20.17	576.06	20.12	576.11	20.31	575.92	19.98	576.25	20.00	576.23	19.99	576.46	20.05	576.40	19.10	577.13	19.11	577.12	15.70	580.53
East "C"	598.69	19.83	578.86	20.45	578.24	21.01	577.68	20.65	578.04	20.37	578.32	20.82	577.87	20.65	578.04	20.75	578.36	20.95	578.39	20.86	577.83	20.45	578.24	20.74	577.95
East "D"	593.20	14.99	578.21	15.21	577.99	15.8	577.40	15.65	577.55	15.75	577.45	15.92	577.28	15.71	577.49	15.88	577.69	15.96	577.51	15.9	577.30	15.73	577.47	15.44	577.76
WW A	-	0.67	-	0.50	-	0.67	-	1.00	-	0.83	-	0.67	-	0.58	-	0.58	-	0.83	-	0.67	-	0.83	-	0.83	-
WW B	-	0.33	-	0.42	-	0.50	-	0.50	-	0.50	-	0.42	-	0.50	-	0.50	-	0.50	-	0.50	-	0.50	-	0.42	-
WW C	-	0.33	-	0.33	-	1.67	-	1.00	-	0.67	-	0.75	-	0.83	-	0.83	-	0.92	-	0.83	-	0.83	-	0.75	-
WW D	-	0.83	-	0.58	-	0.58	-	0.58	-	0.50	-	0.50	-	0.50	-	0.50	-	0.83	-	0.58	-	0.50	-	0.42	-
NCR-3S	579.60	3.56	576.04	3.90	575.70	3.39	576.21	3.48	576.12	3.31	576.29	3.61	575.99	dry	-	dry	-	dry	-	5.37	574.23	3.76	575.84	3.20	576.40
NCR-4S	577.88	3.04	574.84	2.90	574.98	2.65	575.23	2.91	574.97	2.90	574.98	3.37	574.51	dry	-	dry	-	dry	-	dry	-	3.47	574.41	2.79	575.09
NCR-5S	579.34	7.68	571.66	7.33	572.01	5.95	573.39	6.23	573.11	6.21	573.13	7.16	572.18	dry	-	dry	-	dry	-	dry	-	dry	-	9.90	569.44
NCR-13S	577.15	4.60	572.55	4.77	572.38	4.40	572.75	4.51	572.64	4.52	572.63	5.20	571.95	dry	-	dry	-	dry	-	dry	-	5.67	571.48	4.23	572.92

Observation Point	Elevation Top of Casing (ft. msl)	1/5/2012		2/6/2012		3/1/2012		4/12/2012		5/1/2012		6/4/2012		7/13/2012		8/2/2012		9/4/2012		10/8/2012		11/12/2012		12/10/2012	
		Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)	Depth to Water (ft)	Elevation (ft. msl)
East "A"	598.93	26.12	572.81	26.25	572.68	26.22	572.71	26.31	572.62	26.33	572.60	26.24	572.69	26.40	572.53	26.34	572.59	26.35	572.58	26.41	572.52	26.45	572.48	26.42	572.51
East "B"	596.23	15.56	580.67	15.80	580.43	15.82	580.41	16.01	580.22	15.99	580.24	18.53	577.70	19.90	576.33	16.54	579.69	19.99	576.24	20.11	576.12	19.12	577.11	16.03	580.20
East "C"	598.69	20.45	578.24	20.55	578.14	20.28	578.41	20.85	577.84	20.64	578.05	20.54	578.15	20.82	577.87	20.63	578.06	20.60	578.09	20.85	577.84	20.70	577.99	20.20	578.49
East "D"	593.20	15.51	577.69	16.61	576.59	15.4	577.80	15.71	577.49	17.77	575.43	15.73	577.47	16.15	577.05	15.97	577.23	16	577.20	15.9	577.30	15.94	577.26	15.46	577.74
WW A	-	0.50	-	0.75	-	0.67	-	0.75	-	1.25	-	0.67	-	0.58	-	0.50	-	0.67	-	0.92	-	0.50	-	1.25	-
WW B	-	0.42	-	0.42	-	0.42	-	0.42	-	0.42	-	0.50	-	0.42	-	0.83	-	0.83	-	0.42	-	0.42	-	0.50	-
WW C	-	0.83	-	0.83	-	0.67	-	0.75	-	0.83	-	1.00	-	0.75	-	0.83	-	0.83	-	0.50	-	0.50	-	0.67	-
WW D	-	0.42	-	0.58	-	0.50	-	0.50	-	0.58	-	0.58	-	0.50	-	0.42	-	0.58	-	0.50	-	0.50	-	0.42	-
NCR-3S	579.60	3.50	576.10	3.60	576.00	3.50	576.10	4.48	575.12	3.75	575.85	dry	-	dry	-	dry	-	dry	-	dry	-	4.27	575.33	2.56	577.04
NCR-4S	577.88	2.96	574.92	2.85	575.03	2.59	575.29	3.20	574.68	2.58	575.30	3.17	574.71	dry	-	dry	-	dry	-	dry	-	3.40	574.48	3.55	574.33
NCR-5S	579.34	6.51	572.83	6.44	572.90	6.41	572.93	7.41	571.93	6.80	572.54	9.45	569.89	dry	-	dry	-	dry	-	dry	-	dry	-	dry	-
NCR-13S	577.15	4.63	572.52	4.62	572.53	4.63	572.52	5.11	572.04	4.60	572.55	7.42	569.73	dry	-	dry	-	dry	-	dry	-	6.32	570.83	4.36	572.79

Notes:
 - = measurement not collected.
 dry = no water in well.

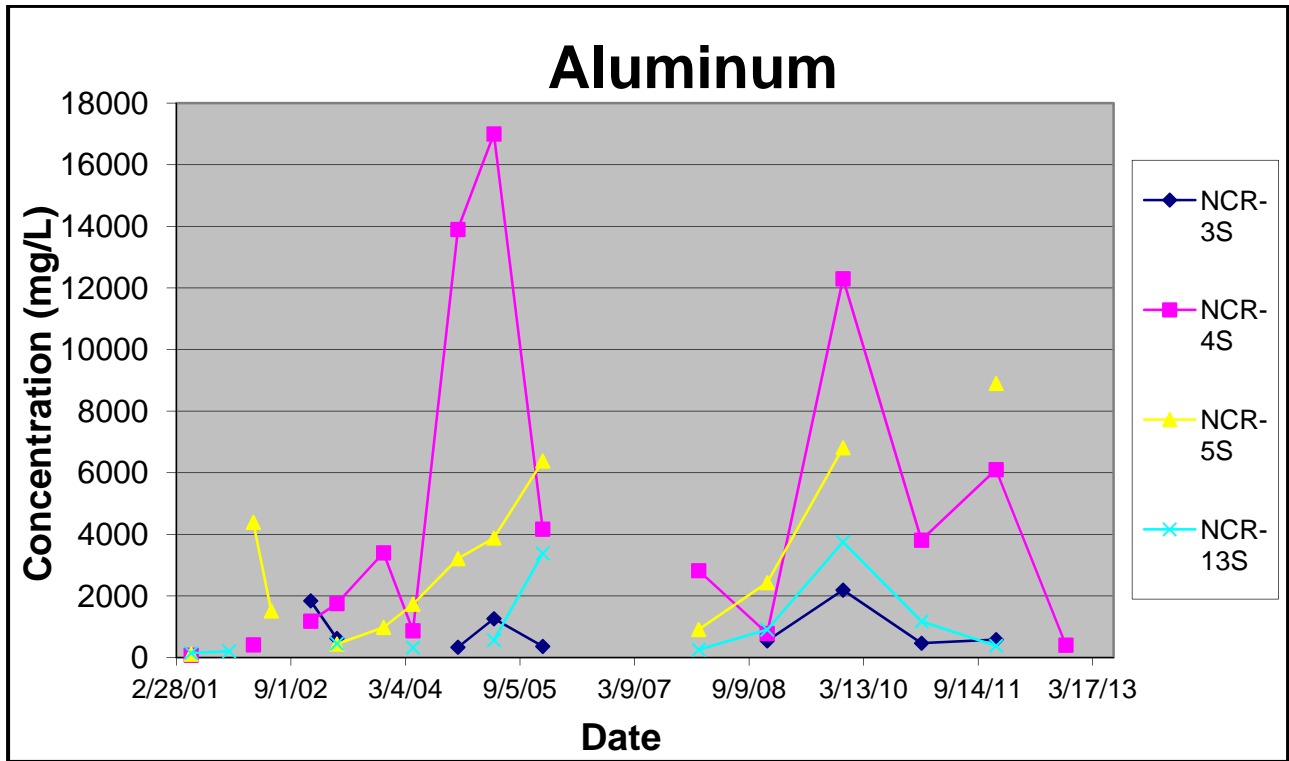


Figure 2.1A: Plot of Historical Aluminum Concentration

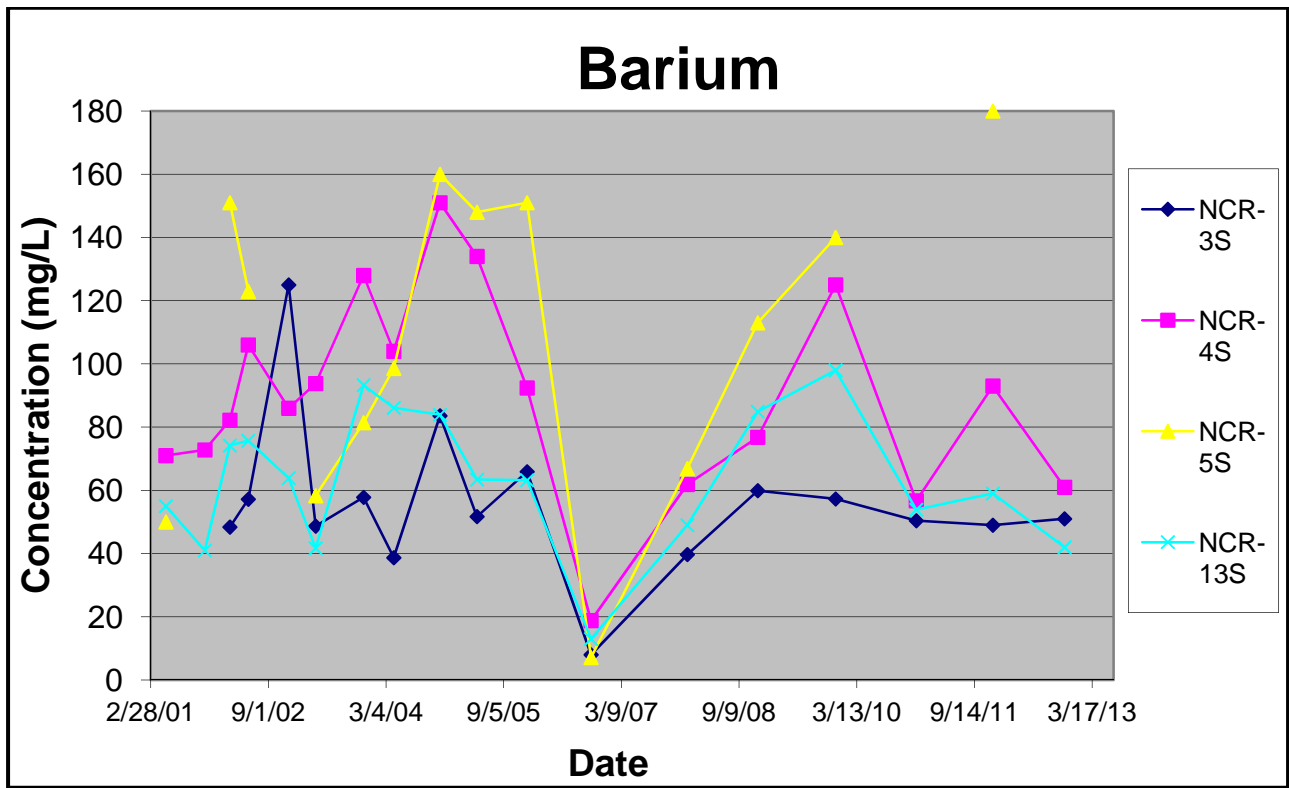


Figure 2.1B: Plot of Historical Barium Concentration

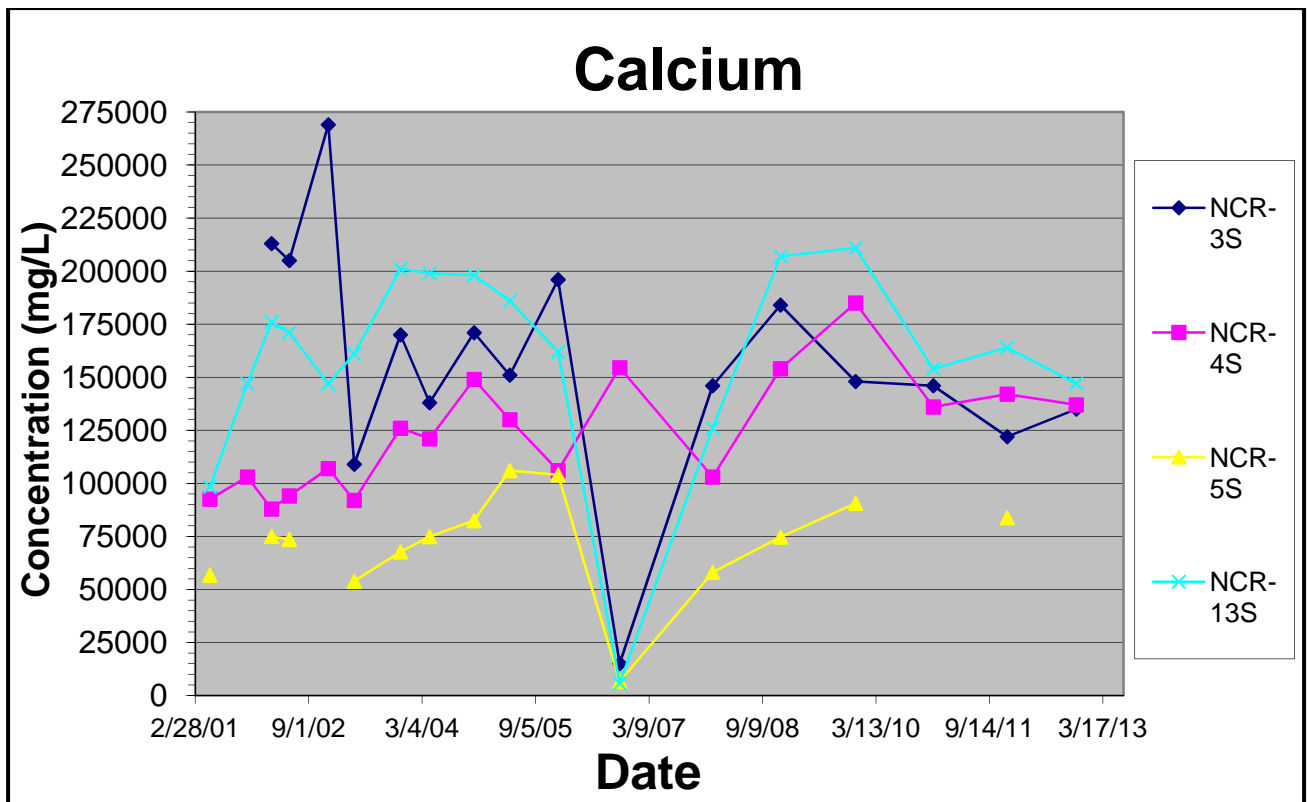


Figure 2.1C: Plot of Historical Calcium Concentration

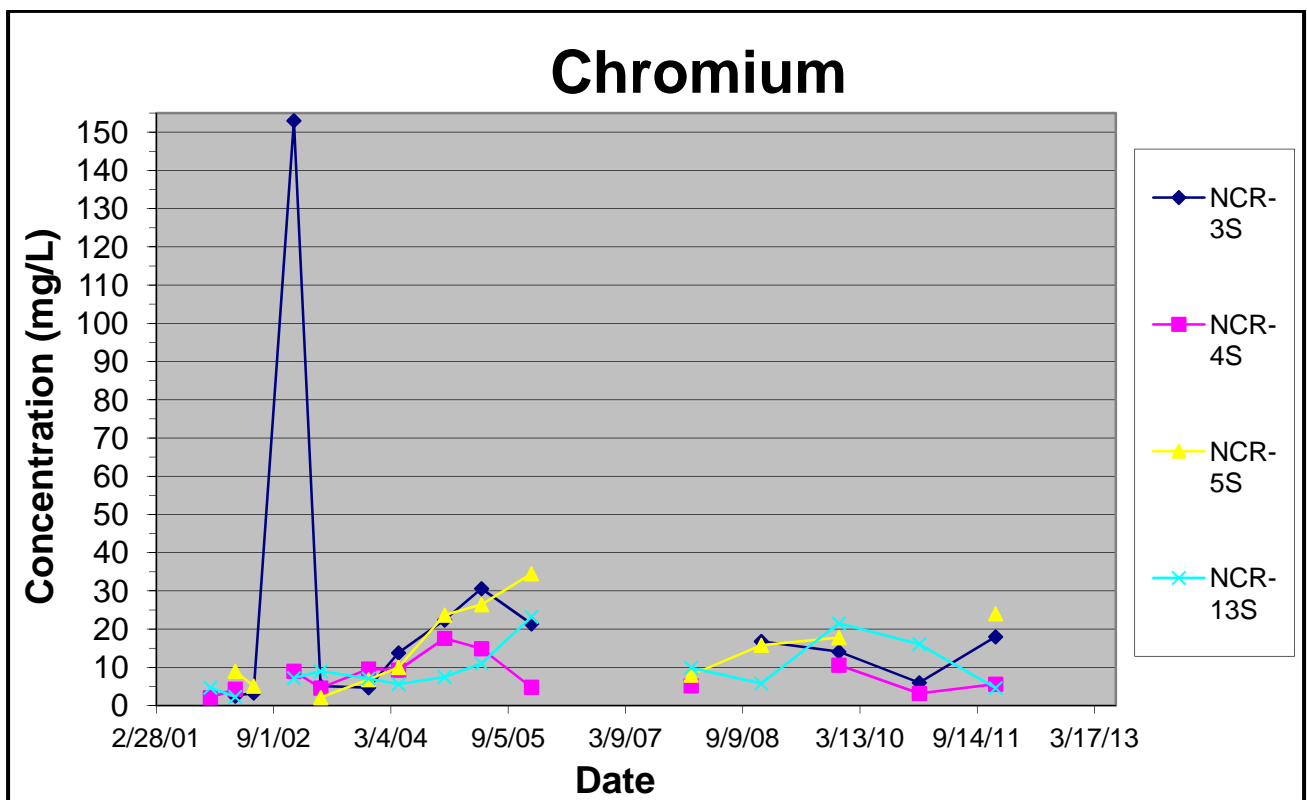


Figure 2.1D: Plot of Historical Chromium Concentration

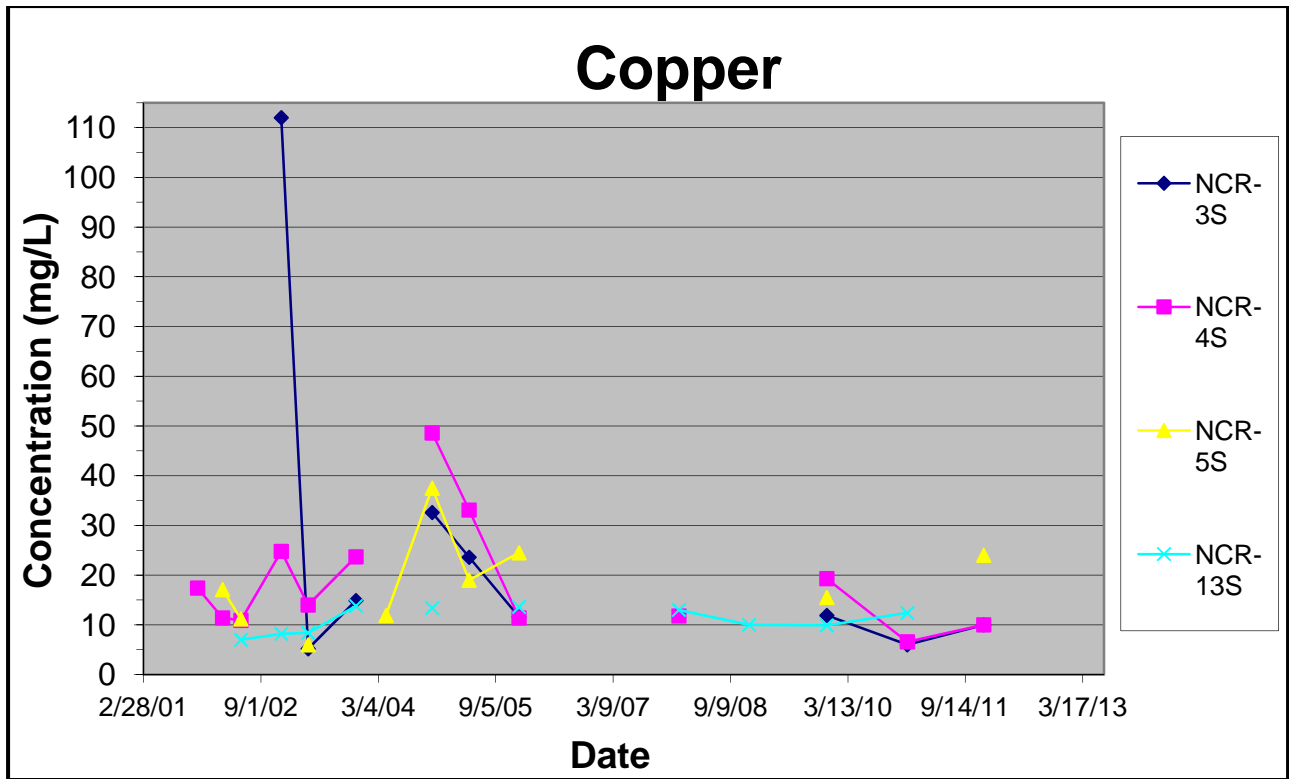


Figure 2.1E: Plot of Historical Copper Concentration

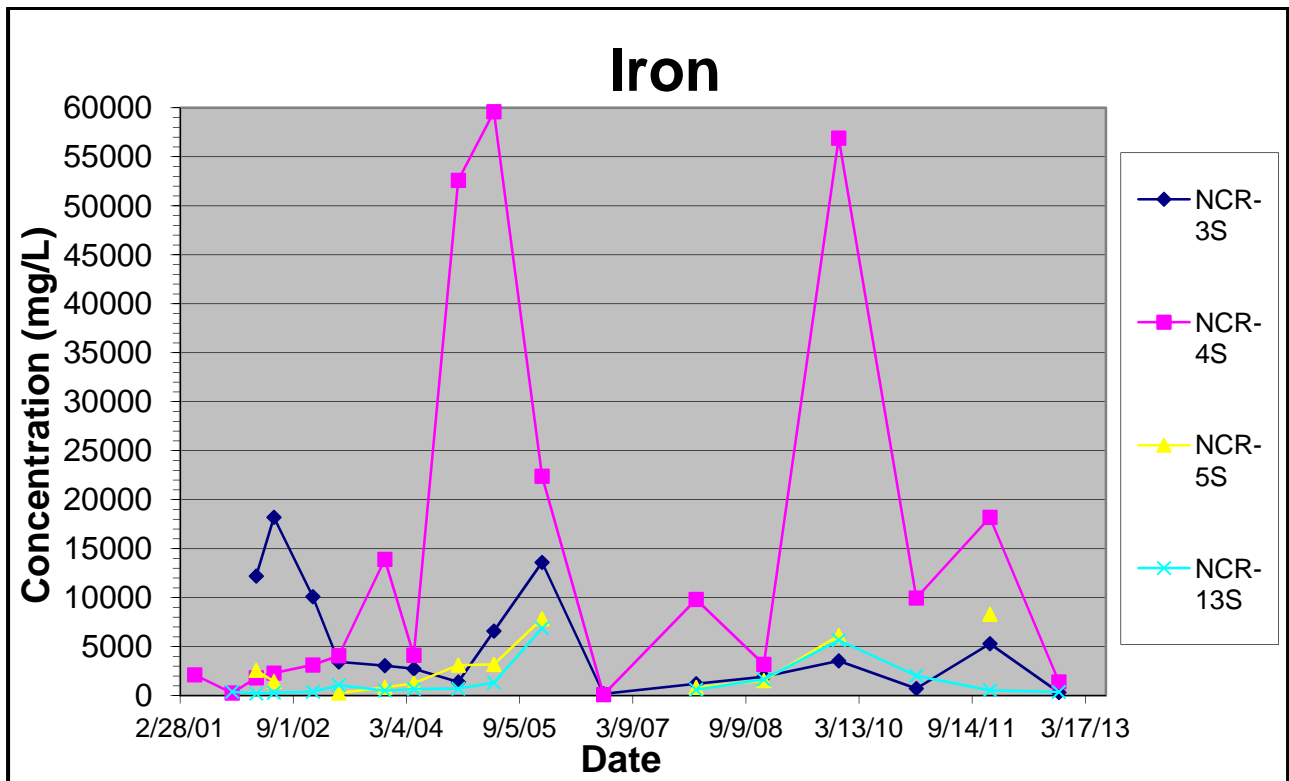


Figure 2.1F: Plot of Historical Iron Concentration

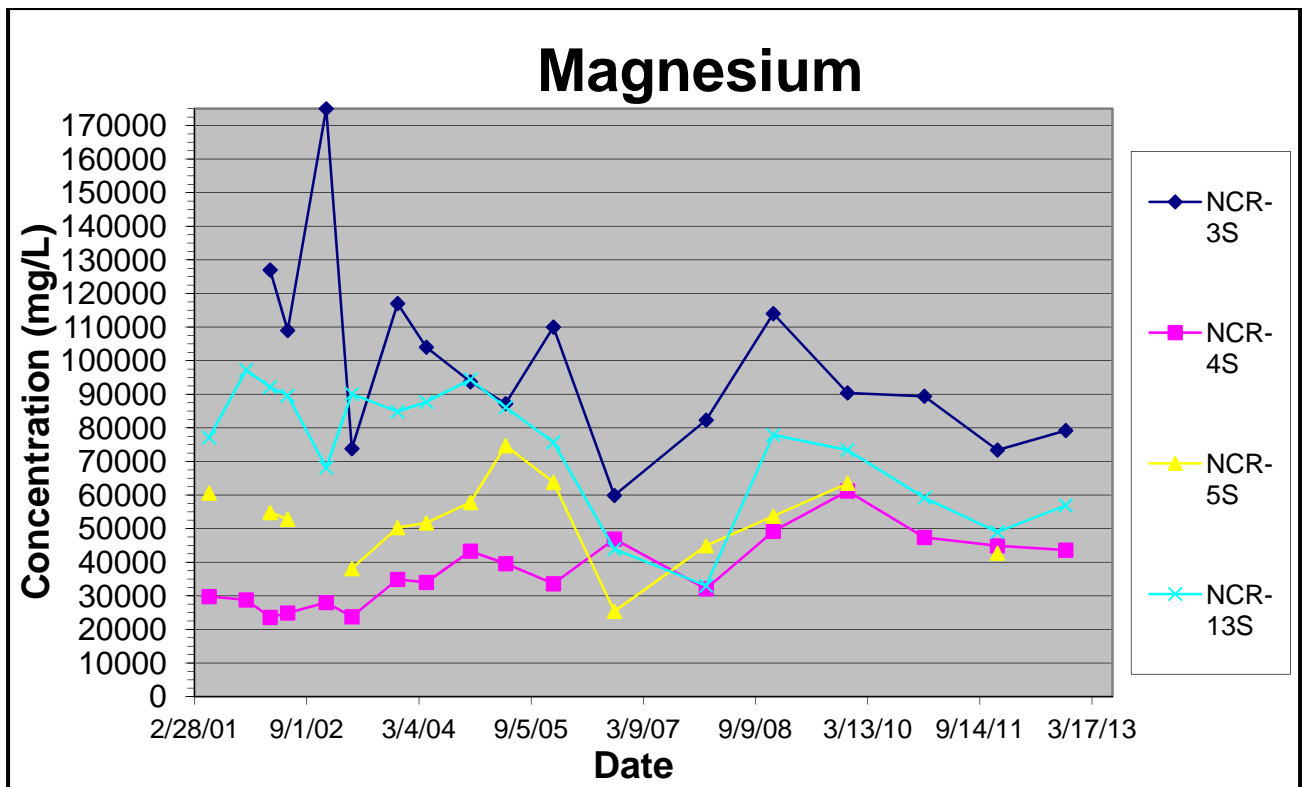


Figure 2.1G: Plot of Historical Magnesium Concentration

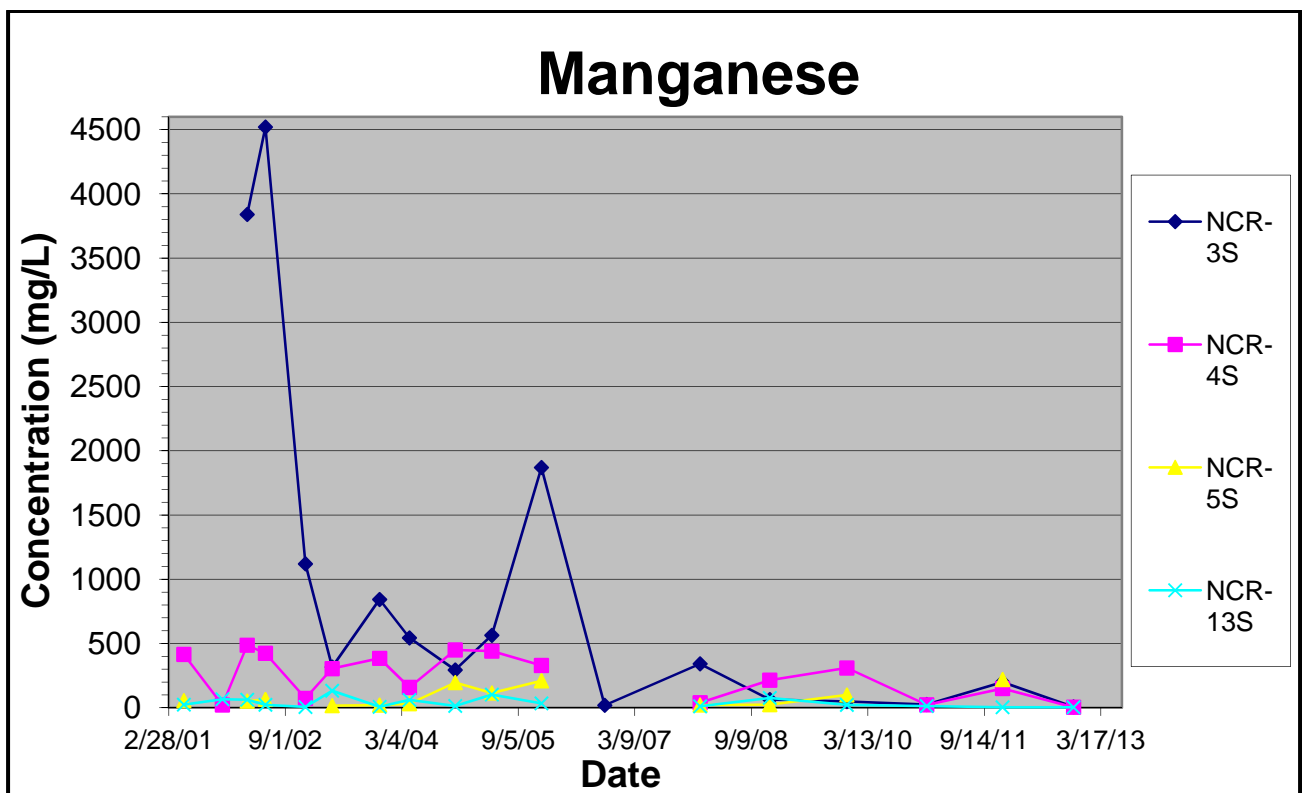


Figure 2.1H: Plot of Historical Manganese Concentration

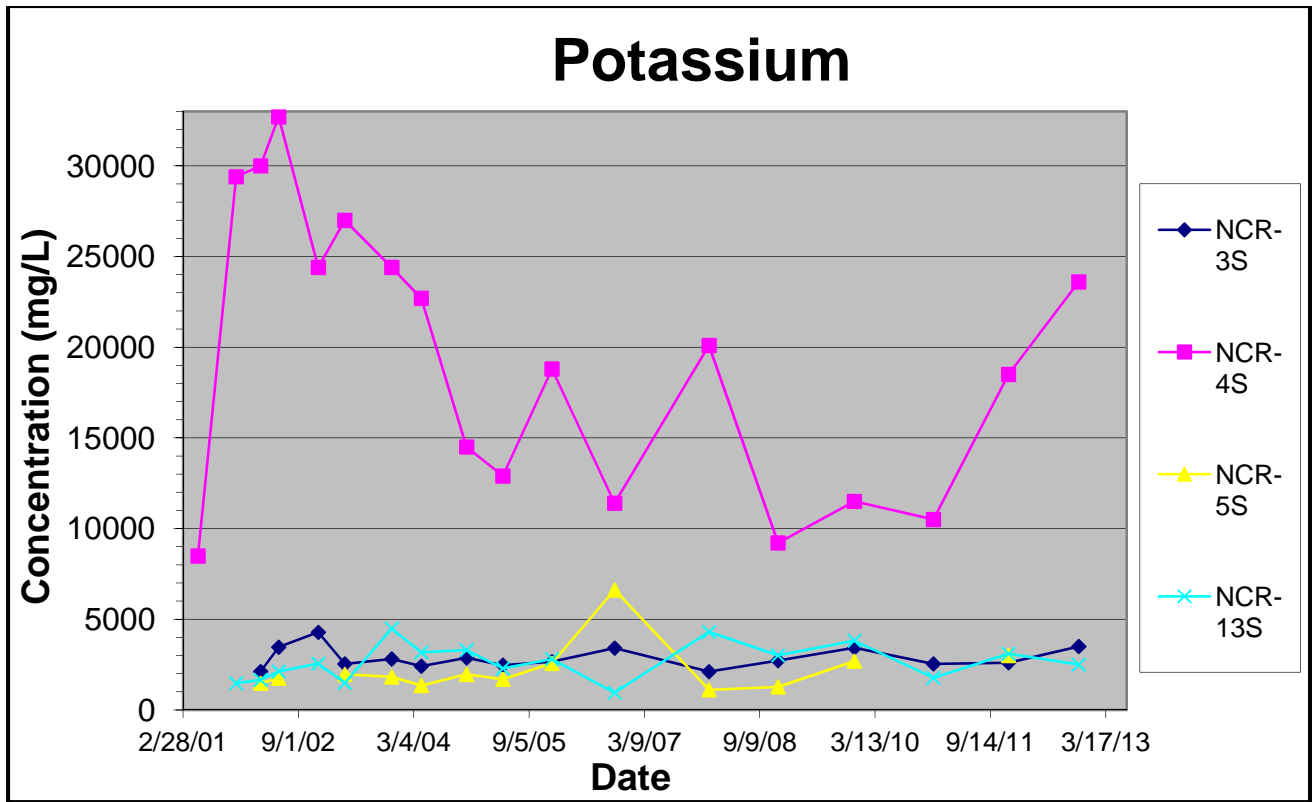


Figure 2.1I: Plot of Historical Potassium Concentration

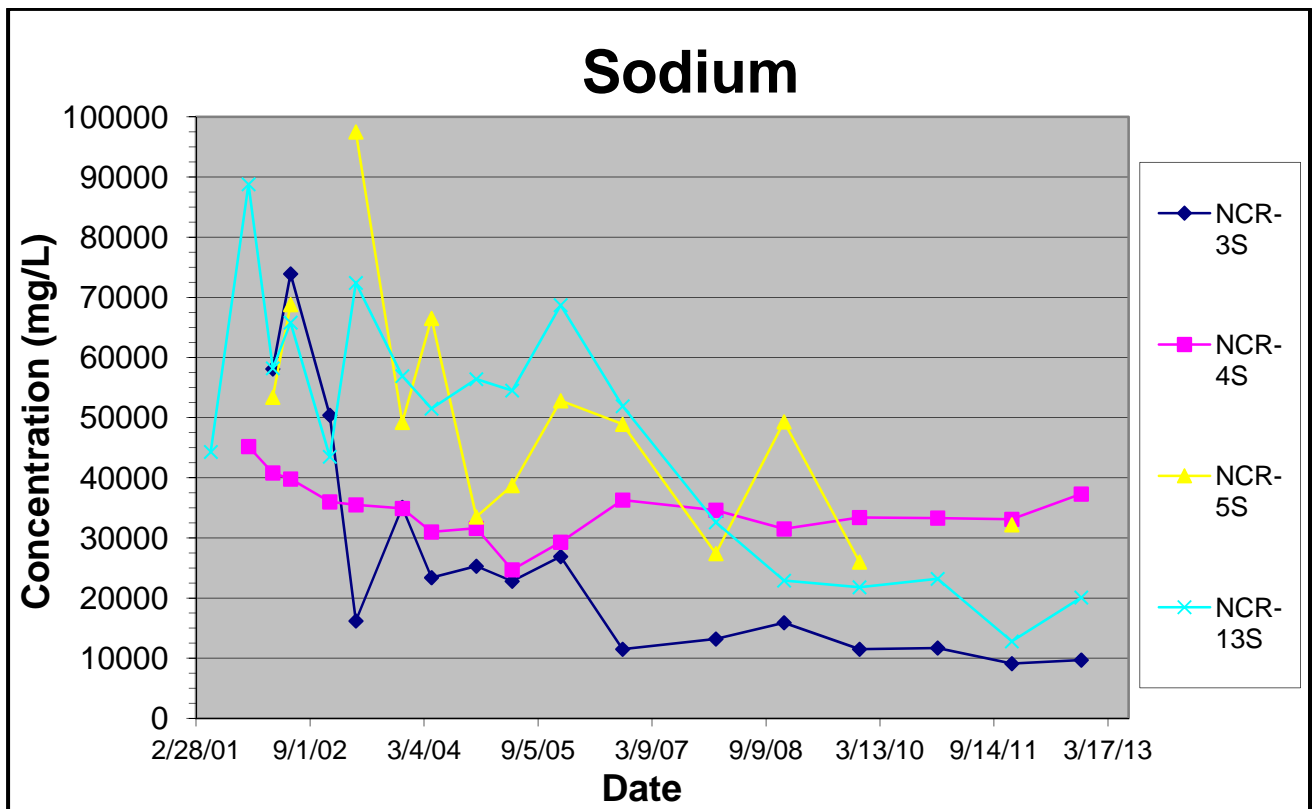


Figure 2.1J: Plot of Historical Sodium Concentration

SECTION 3 SUMMARY AND CONCLUSIONS

The following summary and conclusions were developed based on the data collected during this reporting period (January through December 2012):

- Metals groundwater samples were collected in 2012. The analytical results were consistent with historical results. The annual groundwater samples scheduled for collection in November 2013 will be analyzed for volatile organics, semi-volatile organics, and metals.
- Fifteen metals were identified in one or more of the groundwater samples. Five of the detected metals exceeded either the NYSDEC AWQS, NYSDOH MCLs, or USEPA MCLs, which is consistent with previous sampling events. In general, detected values appeared to be consistent with ranges observed in previous sampling events.
- Two effluent samples were collected in 2012. The analytical results were found to be compliant with the discharge permit. During 2012, compliance with the discharge permit was maintained.
- The landfill was inspected monthly and was appropriately maintained. Needed repairs were addressed in a timely manner. Cover vegetation continues to be in good condition.
- Post-construction monitoring of the wetland replacement was performed annually between 2001 and 2005. Monitoring results indicated that the wetland creation was successful. Although the formal annual inspections are no longer required, monthly visual inspection of the wetlands will continue, to document general conditions. In 2012, the wetlands were documented to be in good condition. A drainage project was completed by the City of North Tonawanda in December that passed through the wetland replacement area. Although the drainage project changed the configuration, the wetlands vegetation continued to appear in good overall condition.
- Water levels were collected from the wet wells, monitoring wells, and the locations on top of the landfill on a monthly basis in 2012. Water levels generally varied between 1.0 and 3.1 feet over the course of the year.
- The objectives of the groundwater monitoring program (to monitor the effectiveness of the perimeter collection system and the perimeter barrier system) have been met. The groundwater monitoring program provides data for demonstration of the effectiveness of the hydraulic containment, collection, and extraction of Site-related groundwater.

SECTION 4 REFERENCES

USEPA, 1993, Record of Decision, Niagara County Refuse Site, Wheatfield, Niagara County, New York; United States Environmental Protection Agency, September 1993.

USA, 1995, Consent Decree, Docket 946-849; United States Environmental Protection Agency, February 3, 1995.

CRA, 2000, Operations, Maintenance and Monitoring Manual for Niagara County Refuse District Site Remedial Construction, Wheatfield, Niagara County, New York; Conestoga-Rovers & Associates, December 2000.

Parsons, 2012, 2011 Annual Monitoring Report, Niagara County Refuse District Site; Parsons, February 2012.

APPENDIX A

**CITY OF NORTH TONAWANDA INDUSTRIAL WASTEWATER
DISCHARGE PERMIT AND COMPLIANCE SAMPLING
RESULTS**

CITY OF NORTH TONAWANDA
6/27/00
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

Permit Number: 2628010

In accordance with the provisions of the Clean Water Act as amended, all terms and conditions set forth in this permit, the City of North Tonawanda Local Sewer Use Ordinance and any applicable Federal, State or local laws or regulations, authorization is hereby granted to: Niagara County Department of Public Works

Engineering Department
59 Park Avenue
Lockport, New York 14094

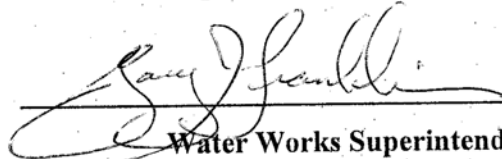
Classified by S.I.C. Number(s): N/A

for the discharge of: groundwater and other wastes generated during Remedial Action construction and implementation into the City of North Tonawanda Sewerage System.

This permit is granted in accordance with an application filed in the offices of the Wastewater Treatment Plant Superintendent located at 830 River Road, and in conformity with specifications and other required data submitted in support of the above named application, all of which are filed with and considered part of this permit. This permit is also granted in accordance with discharge limitations and requirements, monitoring and reporting requirements, and all other conditions set forth in Parts I and II hereof.

Effective this 31st day of March, 2010

To expire the 1st day of April, 2013



Water Works Superintendent

Signed this 16 day of June 2010

PART I. SPECIFIC CONDITIONS

A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning the effective date of this permit and lasting until the expiration date, discharge from the permitted facility outfall(s) shall be limited and monitored by the permittee as specified below (Refer to attached map for sampling and monitoring sites).

Sample Point	Parameter	Discharge Limitations mg/l except pH Daily Max.	Sampling Period	Sampling Type
001	Total Flow		1 Sampling Day Monthly	continuous
2/	Aluminum	2.0	1 Sample Day semi-annual	24 hr comp.
	Lead	4.6	1 Sampling Day semi-annual	24 hr comp.
	Iron	10	1 Sampling Day semi-annual	24 hr comp.
2/	Magnesium	Monitor Only	1 Sampling Day semi-annual	24 hr comp.
2/	Sodium	Monitor Only	1 Sampling Day semi-annual	24 hr comp.
	pH	Monitor Only	1 Sampling Day semi-annual	grab
2/	BOD	Monitor Only	1 Sampling Day semi-annual	24 hr comp.
2/	Total Suspended Solids	Monitor Only	1 Sampling Day semi-annual	24 hr comp.

PART I. SPECIFIC CONDITIONS

C. SPECIAL REQUIREMENTS

- 1) This permit is written for a duration of three years. Upon renewal of this permit, all parameters will be re-evaluated to develop a parameter list based on chemical concentrations present in the extracted groundwater.
- 2) Frequency of monitoring is to be re-evaluated yearly..
- 3) All monitoring reports (initial and subsequent), are to be received by the Superintendent, no later than thirty (30) days after receipt of validated data.
- 4) It is required that the Permittee have a Site Operations Manual available at all times. All emergency phone numbers must be listed in an appropriate place for easy access by operations personnel. The permittee shall not discharge to the City of North Tonawanda sewerage treatment works during overflow conditions. The permittee is required to cease all pumping operations upon verbal request of the North Tonawanda Wastewater Treatment Plant Superintendent or his assigns. Pumping operations shall not recommence until approved by the North Tonawanda Wastewater Treatment Plant Superintendent or his assigns.
- 5) Analysts are required to use GC/MS method detection limits for most organics (if GC/MS is appropriate); GC/ECD for PCBS/Pesticides and GF method detection limits for metals (where GF is appropriate), as contained in attachment 5 of the NYSDEC TOGs 1.3.8 - New Discharges to Publicly Owned Treatment Works - dated 10/26/94.

CITY OF NORTH TONAWANDA WATER WORKS
WASTEWATER DEPARTMENT
830 RIVER ROAD
NORTH TONAWANDA, NEW YORK 14120
PHONE: (716) 695 - 8560
FAX: (716) 695 - 8563

Paula Sattelberg
Superintendent



David A. Scott
Chief Operator

John C. Maurer
Maintenance Supervisor

William M. Davignon
Lab Director/Chemist

CHAIN OF CUSTODY
Sampling Record
NIAGARA COUNTY REFUSE SITE

DATE: March 7 & 8, 2012

SAMPLES SIGNATURE *Paula Sattelberg* SITE NAME: NIAGARA COUNTY REFUSE SITE

SPL #	SAMPLE NAME	DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	#OF BTLS
01	30812 RCB EFF	3/07/12	0800	Wet Well A	volatiles	2
02	30812 RCB EFF	3/07/12	1	"	"	2
03	30812 RCB EFF	3/08/12		"	"	2
04	30812 RCB EFF	3/07/12 - 3/08/12	0800 - 0800	"	wet chemistry	1

FLOWS: FINAL METER READING 61927330
INITIAL METER READING 61908974
MONTHLY FLOW 78356

RELINQUISHED BY: *Paula Sattelberg*
RECEIVED BY: *Paula Sattelberg*
DATE: 3/8/12
TIME: 0800

CITY OF NORTH TONAWANDA WATER WORKS
 WASTEWATER DEPARTMENT
 830 RIVER ROAD
 NORTH TONAWANDA, NEW YORK 14120
 PHONE: (716) 695 - 8560
 FAX: (716) 695 - 8563

Scott Kiedrowski
 Acting-Superintendent



David A. Scott
 Chief Operator

John C. Maurer
 Maintenance Supervisor

William M. Davignon
 Lab Director/Chemist

CHAIN OF CUSTODY
 Sampling Record
 NIAGARA COUNTY REFUSE SITE

DATE: September 12 & 13, 2012

SAMPLES SIGNATURE Richard C. Baker SITE NAME: NIAGARA COUNTY REFUSE SITE

SPL #	SAMPLE NAME	DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	#OF BTLS
01	91212 RC6EFF	9/12/12	0800	Wet Well A	volatiles	2
02	" " "	9/12/12	1500	"	"	2
03	" " "	9/13/12	0800	"	"	2
04	" " "	9/12/12 - 9/13/12	0800 - 0800	"	wet chemistry	1

FLOWS: FINAL METER READING 53586015
 INITIAL METER READING 63385481
 MONTHLY FLOW 534

RELINQUISHED BY: Richard C. Baker
 RECEIVED BY: Michael E. J.
 DATE 9/13/12
 TIME 8:22 AM

Analytical Results: NIAGARA COUNTY REFUSE SITE 2012

PARAMETER	RESULT mg/l	RESULT mg/l	COMPLIANCE
pH (COMP.)	7.38	7.31	YES
COD	61	243	YES
SUSPENDED SOLIDS	9	46	YES
BOD	24	168	YES
PO4	0.16	0.21	YES
PHENOLS	< 0.009	< 0.008	YES
METALS			
ALUMINUM	0.031	0.151	YES
CHROMIUM	< 0.025	< 0.024	YES
LEAD	< 0.024	0.032	YES
NICKEL	< 0.024	< 0.022	YES
ZINC	< 0.036	0.321	YES
IRON	1.489	7.669	YES
MAGNESIUM	118.0	197.0	YES
MANGANESE	0.14	0.75	YES
SODIUM	68.4	757.0	YES
PURGEABLES			
Benzene	< 0.005	< 0.005	YES
Toluene	< 0.004	< 0.005	YES
Chlorobenzene	< 0.005	< 0.005	YES
Ethylbenzene	< 0.005	< 0.006	YES
Total Xylenes	< 0.010	< 0.011	YES
1,3 - Dichlorobenzene	< 0.005	< 0.005	YES
1,4-Dichlorobenzene	< 0.005	< 0.005	YES
1,2 - Dichlorobenzene	< 0.005	< 0.005	YES
Vinyl Chloride	< 0.006	< 0.004	YES
1,1-Dichloroethene	< 0.007	< 0.005	YES
Methylene chloride	< 0.004	< 0.006	YES
trans-1,2 Dichloroethene	< 0.005	< 0.003	YES
1,1-Dichloroethane	< 0.005	< 0.005	YES
Chloroform	< 0.006	< 0.006	YES
1,1,1-Trichloroethane	< 0.007	< 0.007	YES
Trichloroethene	< 0.005	< 0.005	YES
TOTAL FLOW (gallons)	18,356	534	
SAMPLE DATE	3/7/12 & 3/8/12	9/12/12 & 9/13/12	
Report prepared by: Willaim M. Davignon, Lab Director / Chemist			

APPENDIX B
CORRESPONDENCE



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

NOV 21 2005

BY FEDEX

Mr. Eric Felter
Project Manager
Parsons
180 Lawrence Bell Drive, Suite 104
Williamsville, New York 14221

Re: Niagara County Refuse Site, Wheatfield, New York; Request for the Reduction of Analytical Parameters in Groundwater Samples

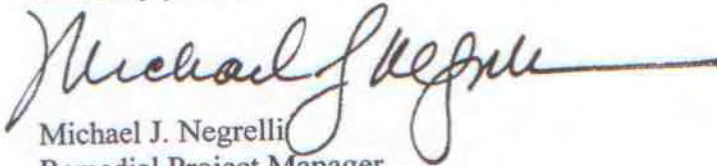
Dear Mr. Felter:

The U.S. Environmental Protection Agency (EPA) and New York State Department of Environmental Conservation (NYSDEC) have reviewed your letter dated October 3, 2005 prepared by Parsons on behalf of the Niagara County Refuse (NCR) Site PRP Group requesting a reduction in the analytical parameters in groundwater samples taken at the NCR site as part of the operation and maintenance program. The current analytical parameter list includes 2 volatiles, 4 semi-volatiles, and 16 metals which were determined to be constituents of interest at the site. Your proposal requests reducing the parameters to 5 metals, representing those constituents which have been measured above standards with some regularity in past sampling rounds. The sampling program, involving four monitoring wells, has been in effect since 2001 and your proposal reflects trends evident since the program was initiated. Sampling frequency is currently semi-annual (twice a year).

After discussing this matter with NYSDEC with input from the New York State Department of Health, our preference is that the sampling parameters remain the same for the time being. This is due to the significant residential growth around the site in recent years. After the current sampling round, samples are scheduled to be taken annually. EPA approves changing the current monitoring program only to the extent that the volatiles and semi-volatiles analysis can be conducted every two years while the metals analysis be conducted annually. EPA will, however, consider a further frequency reduction in the future as more data are collected.

Please call me at (212) 637-4278 if you have any questions on this matter.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "Michael J. Negrelli", with a long horizontal line extending to the right.

Michael J. Negrelli
Remedial Project Manager
New York Remediation Branch

cc: J. Konsella - NYSDEC/Region 9
B. Sadowski - NYSDEC/Region 9

APPENDIX C
ANALYTICAL DATA

ANALYTICAL REPORT

Job Number: 480-28155-1

Job Description: City of North Tonawanda - NCRS

For:

N Tonawanda Water Works
City Hall, Room 6, 216 Payne Ave
North Tonawanda, NY 14120

Attention: William Davignon

Designee for
Sally Hoffman
Project Manager II

sally.hoffman@testamericainc.com

01/02/2013

Revision: 1

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

TestAmerica Laboratories, Inc.

TestAmerica Buffalo 10 Hazelwood Drive, Amherst, NY 14228-2298

Tel (716) 691-2600 Fax (716) 691-7991 www.testamericainc.com



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Preliminary Data

Job Narrative
480-28155-1

Revision I

Report was revised to report down to the MDL..

Receipt

The samples were received on 11/8/2012 8:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 18.2° C.

Metals

Method 6010B: The Serial Dilution (480-28155-2 SD) in batch 480-90055, exhibited results outside the quality control limits for total potassium. However, the Post Digestion Spike was compliant so no corrective action was necessary.

Method 6010B: The Method Blank for batch 480-90055 contained total sodium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples Field Duplicate (480-28155-4), NCR13S (480-28155-1), NCR3S (480-28155-2), NCR4S (480-28155-3) was not performed.

No other analytical or quality issues were noted.

Preliminary Data

SAMPLE SUMMARY

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
480-28155-1	NCR13S	Water	11/08/2012 0900	11/08/2012 0815
480-28155-2	NCR3S	Water	11/08/2012 1000	11/08/2012 0815
480-28155-2MS	NCR3S	Water	11/08/2012 1000	11/08/2012 0815
480-28155-2MSD	NCR3S	Water	11/08/2012 1000	11/08/2012 0815
480-28155-3	NCR4S	Water	11/08/2012 1050	11/08/2012 0815
480-28155-4	Field Duplicate	Water	11/08/2012 0000	11/08/2012 0815

Preliminary Data

EXECUTIVE SUMMARY - Detections

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-28155-1	NCR13S					
Aluminum		0.15	J	0.20	mg/L	6010B
Barium		0.042		0.0020	mg/L	6010B
Cadmium		0.00060	J	0.0010	mg/L	6010B
Calcium		147		0.50	mg/L	6010B
Chromium		0.0033	J	0.0040	mg/L	6010B
Copper		0.0053	J	0.010	mg/L	6010B
Iron		0.38		0.050	mg/L	6010B
Magnesium		56.9		0.20	mg/L	6010B
Manganese		0.0037		0.0030	mg/L	6010B
Nickel		0.0039	J	0.010	mg/L	6010B
Potassium		2.5		0.50	mg/L	6010B
Sodium		20.1	B	1.0	mg/L	6010B
Zinc		0.030		0.010	mg/L	6010B
480-28155-2	NCR3S					
Aluminum		0.061	J	0.20	mg/L	6010B
Barium		0.051		0.0020	mg/L	6010B
Cadmium		0.00070	J	0.0010	mg/L	6010B
Calcium		135		0.50	mg/L	6010B
Chromium		0.0035	J	0.0040	mg/L	6010B
Copper		0.0070	J	0.010	mg/L	6010B
Iron		0.32		0.050	mg/L	6010B
Lead		0.0038	J	0.0050	mg/L	6010B
Magnesium		79.2		0.20	mg/L	6010B
Manganese		0.0070		0.0030	mg/L	6010B
Nickel		0.0068	J	0.010	mg/L	6010B
Potassium		3.5		0.50	mg/L	6010B
Sodium		9.7	B	1.0	mg/L	6010B
Zinc		0.038		0.010	mg/L	6010B

EXECUTIVE SUMMARY - Detections

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
480-28155-3	NCR4S					
Aluminum		0.40		0.20	mg/L	6010B
Barium		0.061		0.0020	mg/L	6010B
Calcium		137		0.50	mg/L	6010B
Chromium		0.0021	J	0.0040	mg/L	6010B
Copper		0.0025	J	0.010	mg/L	6010B
Iron		1.4		0.050	mg/L	6010B
Magnesium		43.6		0.20	mg/L	6010B
Manganese		0.0044		0.0030	mg/L	6010B
Nickel		0.0016	J	0.010	mg/L	6010B
Potassium		23.6		0.50	mg/L	6010B
Sodium		37.3	B	1.0	mg/L	6010B
Zinc		0.063		0.010	mg/L	6010B
480-28155-4	FIELD DUPLICATE					
Aluminum		0.18	J	0.20	mg/L	6010B
Barium		0.043		0.0020	mg/L	6010B
Beryllium		0.0012	J	0.0020	mg/L	6010B
Cadmium		0.00053	J	0.0010	mg/L	6010B
Calcium		148		0.50	mg/L	6010B
Chromium		0.0035	J	0.0040	mg/L	6010B
Copper		0.0047	J	0.010	mg/L	6010B
Iron		0.31		0.050	mg/L	6010B
Magnesium		57.9		0.20	mg/L	6010B
Manganese		0.0023	J	0.0030	mg/L	6010B
Nickel		0.0037	J	0.010	mg/L	6010B
Potassium		1.9		0.50	mg/L	6010B
Sodium		20.5	B	1.0	mg/L	6010B
Zinc		0.015		0.010	mg/L	6010B

METHOD SUMMARY

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Metals (ICP)	TAL BUF	SW846 6010B	
Preparation, Total Metals	TAL BUF		SW846 3005A
Mercury (CVAA)	TAL BUF	SW846 7470A	
Preparation, Mercury	TAL BUF		SW846 7470A

Lab References:

TAL BUF = TestAmerica Buffalo

Method References:

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

Preliminary Data

METHOD / ANALYST SUMMARY

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Method	Analyst	Analyst ID
SW846 6010B	Hawrysiak, Allison	AH
SW846 7470A	Kacalski, Jason	JRK

Preliminary Data

Analytical Data

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Client Sample ID: NCR13S

Lab Sample ID: 480-28155-1

Date Sampled: 11/08/2012 0900

Client Matrix: Water

Date Received: 11/08/2012 0815

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-90600	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-90055	Lab File ID:	I1111212B-4.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/12/2012 1909			Final Weight/Volume:	50 mL
Prep Date:	11/10/2012 0920				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.15	J	0.060	0.20
Antimony	ND		0.0068	0.020
Barium	0.042		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	0.00060	J	0.00050	0.0010
Calcium	147		0.10	0.50
Chromium	0.0033	J	0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	0.0053	J	0.0016	0.010
Iron	0.38		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	56.9		0.043	0.20
Manganese	0.0037		0.00040	0.0030
Nickel	0.0039	J	0.0013	0.010
Potassium	2.5		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	20.1	B	0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.030		0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-90658	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-90506	Lab File ID:	H11132W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	11/13/2012 1407			Final Weight/Volume:	50 mL
Prep Date:	11/13/2012 0855				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Client Sample ID: NCR3S

Lab Sample ID: 480-28155-2

Date Sampled: 11/08/2012 1000

Client Matrix: Water

Date Received: 11/08/2012 0815

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-90600	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-90055	Lab File ID:	I1111212B-4.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/12/2012 1911			Final Weight/Volume:	50 mL
Prep Date:	11/10/2012 0920				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.061	J	0.060	0.20
Antimony	ND		0.0068	0.020
Barium	0.051		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	0.00070	J	0.00050	0.0010
Calcium	135		0.10	0.50
Chromium	0.0035	J	0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	0.0070	J	0.0016	0.010
Iron	0.32		0.019	0.050
Lead	0.0038	J	0.0030	0.0050
Magnesium	79.2		0.043	0.20
Manganese	0.0070		0.00040	0.0030
Nickel	0.0068	J	0.0013	0.010
Potassium	3.5		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	9.7	B	0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.038		0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-90658	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-90506	Lab File ID:	H11132W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	11/13/2012 1409			Final Weight/Volume:	50 mL
Prep Date:	11/13/2012 0855				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Client Sample ID: NCR4S

Lab Sample ID: 480-28155-3

Date Sampled: 11/08/2012 1050

Client Matrix: Water

Date Received: 11/08/2012 0815

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-90600	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-90055	Lab File ID:	I1111212B-4.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/12/2012 1926			Final Weight/Volume:	50 mL
Prep Date:	11/10/2012 0920				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.40		0.060	0.20
Antimony	ND		0.0068	0.020
Barium	0.061		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	ND		0.00050	0.0010
Calcium	137		0.10	0.50
Chromium	0.0021	J	0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	0.0025	J	0.0016	0.010
Iron	1.4		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	43.6		0.043	0.20
Manganese	0.0044		0.00040	0.0030
Nickel	0.0016	J	0.0013	0.010
Potassium	23.6		0.10	0.50
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	37.3	B	0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.063		0.0015	0.010

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-90658	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-90506	Lab File ID:	H11132W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	11/13/2012 1417			Final Weight/Volume:	50 mL
Prep Date:	11/13/2012 0855				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Analytical Data

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Client Sample ID: Field Duplicate

Lab Sample ID: 480-28155-4
Client Matrix: Water

Date Sampled: 11/08/2012 0000
Date Received: 11/08/2012 0815

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-90600	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-90055	Lab File ID:	I1111212B-4.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/12/2012 1929			Final Weight/Volume:	50 mL
Prep Date:	11/10/2012 0920				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Aluminum	0.18	J	0.060	0.20
Antimony	ND		0.0068	0.020
Barium	0.043		0.00070	0.0020
Beryllium	0.0012	J	0.00030	0.0020
Cadmium	0.00053	J	0.00050	0.0010
Calcium	148		0.10	0.50
Chromium	0.0035	J	0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	0.0047	J	0.0016	0.010
Lead	ND		0.0030	0.0050
Magnesium	57.9		0.043	0.20
Manganese	0.0023	J	0.00040	0.0030
Nickel	0.0037	J	0.0013	0.010
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	20.5	B	0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	0.015		0.0015	0.010

Analysis Method:	6010B	Analysis Batch:	480-90793	Instrument ID:	ICAP2
Prep Method:	3005A	Prep Batch:	480-90055	Lab File ID:	I2111312A-12.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	11/13/2012 2334			Final Weight/Volume:	50 mL
Prep Date:	11/10/2012 0920				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Iron	0.31		0.019	0.050
Potassium	1.9		0.10	0.50

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-90658	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-90506	Lab File ID:	H11132W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	11/13/2012 1418			Final Weight/Volume:	50 mL
Prep Date:	11/13/2012 0855				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Quality Control Results

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Method Blank - Batch: 480-90055

Lab Sample ID: MB 480-90055/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/12/2012 1905
 Prep Date: 11/10/2012 0920
 Leach Date: N/A

Analysis Batch: 480-90600
 Prep Batch: 480-90055
 Leach Batch: N/A
 Units: mg/L

**Method: 6010B
 Preparation: 3005A**

Instrument ID: ICAP1
 Lab File ID: I1111212B-4.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Aluminum	ND		0.060	0.20
Antimony	ND		0.0068	0.020
Barium	ND		0.00070	0.0020
Beryllium	ND		0.00030	0.0020
Cadmium	ND		0.00050	0.0010
Calcium	ND		0.10	0.50
Chromium	ND		0.0010	0.0040
Cobalt	ND		0.00063	0.0040
Copper	ND		0.0016	0.010
Iron	ND		0.019	0.050
Lead	ND		0.0030	0.0050
Magnesium	ND		0.043	0.20
Manganese	ND		0.00040	0.0030
Nickel	ND		0.0013	0.010
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030
Sodium	0.696	J	0.32	1.0
Thallium	ND		0.010	0.020
Vanadium	ND		0.0015	0.0050
Zinc	ND		0.0015	0.010

Method Blank - Batch: 480-90055

Lab Sample ID: MB 480-90055/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/13/2012 2329
 Prep Date: 11/10/2012 0920
 Leach Date: N/A

Analysis Batch: 480-90793
 Prep Batch: 480-90055
 Leach Batch: N/A
 Units: mg/L

**Method: 6010B
 Preparation: 3005A**

Instrument ID: ICAP2
 Lab File ID: I2111312A-12.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Potassium	ND		0.10	0.50

Quality Control Results

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Lab Control Sample - Batch: 480-90055

**Method: 6010B
Preparation: 3005A**

Lab Sample ID: LCS 480-90055/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/12/2012 1907
Prep Date: 11/10/2012 0920
Leach Date: N/A

Analysis Batch: 480-90600
Prep Batch: 480-90055
Leach Batch: N/A
Units: mg/L

Instrument ID: ICAP1
Lab File ID: I1111212B-4.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	10.0	10.05	100	80 - 120	
Antimony	0.200	0.201	101	80 - 120	
Barium	0.200	0.208	104	80 - 120	
Beryllium	0.200	0.204	102	80 - 120	
Cadmium	0.200	0.205	102	80 - 120	
Calcium	10.0	10.54	105	80 - 120	
Chromium	0.200	0.211	106	80 - 120	
Cobalt	0.200	0.205	102	80 - 120	
Copper	0.200	0.201	101	80 - 120	
Iron	10.0	10.00	100	80 - 120	
Lead	0.200	0.205	102	80 - 120	
Magnesium	10.0	10.35	103	80 - 120	
Manganese	0.200	0.204	102	80 - 120	
Nickel	0.200	0.200	100	80 - 120	
Selenium	0.200	0.194	97	80 - 120	
Silver	0.0500	0.0512	102	80 - 120	
Thallium	0.200	0.201	100	80 - 120	
Vanadium	0.200	0.202	101	80 - 120	
Zinc	0.200	0.224	112	80 - 120	

Lab Control Sample - Batch: 480-90055

**Method: 6010B
Preparation: 3005A**

Lab Sample ID: LCS 480-90055/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 11/13/2012 2332
Prep Date: 11/10/2012 0920
Leach Date: N/A

Analysis Batch: 480-90793
Prep Batch: 480-90055
Leach Batch: N/A
Units: mg/L

Instrument ID: ICAP2
Lab File ID: I2111312A-12.asc
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Potassium	10.0	10.01	100	80 - 120	
Sodium	10.0	9.98	100	80 - 120	

Quality Control Results

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Post Digestion Spike - Batch: 480-90055

**Method: 6010B
Preparation: 3005A**

Lab Sample ID: 480-28155-2	Analysis Batch: 480-90600	Instrument ID: ICAP1
Client Matrix: Water	Prep Batch: 480-90055	Lab File ID: I1111212B-4.asc
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 11/12/2012 1920	Units: mg/L	Final Weight/Volume: 50 mL
Prep Date: 11/10/2012 0920		
Leach Date: N/A		

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	0.061 J	10.0	10.51	104	75 - 125	
Antimony	ND	0.200	0.210	105	75 - 125	
Barium	0.051	0.200	0.260	105	75 - 125	
Beryllium	ND	0.200	0.207	104	75 - 125	
Cadmium	0.00070 J	0.200	0.211	105	75 - 125	
Calcium	135	10.0	142.1	NC	75 - 125	
Chromium	0.0035 J	0.200	0.208	102	75 - 125	
Cobalt	ND	0.200	0.208	104	75 - 125	
Copper	0.0070 J	0.200	0.214	103	75 - 125	
Iron	0.32	10.0	10.39	101	75 - 125	
Lead	0.0038 J	0.200	0.213	105	75 - 125	
Magnesium	79.2	10.0	87.00	78	75 - 125	
Manganese	0.0070	0.200	0.213	103	75 - 125	
Nickel	0.0068 J	0.200	0.211	102	75 - 125	
Potassium	3.5	10.0	13.76	103	75 - 125	
Selenium	ND	0.200	0.211	105	75 - 125	
Silver	ND	0.0500	0.0532	106	75 - 125	
Sodium	9.7	10.0	19.81	101	75 - 125	
Thallium	ND	0.200	0.205	103	75 - 125	
Vanadium	ND	0.200	0.207	104	75 - 125	
Zinc	0.038	0.200	0.256	109	75 - 125	

Quality Control Results

Client: N Tonawanda Water Works

Job Number: 480-28155-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-90055**

**Method: 6010B
Preparation: 3005A**

MS Lab Sample ID: 480-28155-2	Analysis Batch: 480-90600	Instrument ID: ICAP1
Client Matrix: Water	Prep Batch: 480-90055	Lab File ID: I1111212B-4.asc
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 11/12/2012 1922		Final Weight/Volume: 50 mL
Prep Date: 11/10/2012 0920		
Leach Date: N/A		

MSD Lab Sample ID: 480-28155-2	Analysis Batch: 480-90600	Instrument ID: ICAP1
Client Matrix: Water	Prep Batch: 480-90055	Lab File ID: I1111212B-4.asc
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 50 mL
Analysis Date: 11/12/2012 1924		Final Weight/Volume: 50 mL
Prep Date: 11/10/2012 0920		
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aluminum	102	102	75 - 125	0	20		
Antimony	103	106	75 - 125	2	20		
Barium	103	105	75 - 125	1	20		
Beryllium	102	102	75 - 125	0	20		
Cadmium	105	105	75 - 125	0	20		
Calcium	119	104	75 - 125	1	20	4	4
Chromium	105	105	75 - 125	0	20		
Cobalt	103	103	75 - 125	0	20		
Copper	102	103	75 - 125	2	20		
Iron	100	100	75 - 125	0	20		
Lead	103	103	75 - 125	0	20		
Magnesium	121	113	75 - 125	1	20	4	4
Manganese	101	100	75 - 125	1	20		
Nickel	101	101	75 - 125	0	20		
Potassium	102	101	75 - 125	0	20		
Selenium	103	103	75 - 125	1	20		
Silver	104	107	75 - 125	3	20		
Sodium	103	102	75 - 125	0	20		
Thallium	103	102	75 - 125	1	20		
Vanadium	102	103	75 - 125	1	20		
Zinc	111	109	75 - 125	1	20		

Quality Control Results

Client: N Tonawanda Water Works

Job Number: 480-28155-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-90055**

**Method: 6010B
Preparation: 3005A**

MS Lab Sample ID: 480-28155-2 Units: mg/L
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/12/2012 1922
 Prep Date: 11/10/2012 0920
 Leach Date: N/A

MSD Lab Sample ID: 480-28155-2
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/12/2012 1924
 Prep Date: 11/10/2012 0920
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Aluminum	0.061 J	10.0	10.0	10.27	10.29
Antimony	ND	0.200	0.200	0.207	0.212
Barium	0.051	0.200	0.200	0.256	0.260
Beryllium	ND	0.200	0.200	0.204	0.203
Cadmium	0.00070 J	0.200	0.200	0.210	0.210
Calcium	135	10.0	10.0	146.5 4	145.0 4
Chromium	0.0035 J	0.200	0.200	0.213	0.213
Cobalt	ND	0.200	0.200	0.206	0.207
Copper	0.0070 J	0.200	0.200	0.210	0.214
Iron	0.32	10.0	10.0	10.30	10.29
Lead	0.0038 J	0.200	0.200	0.210	0.210
Magnesium	79.2	10.0	10.0	91.22 4	90.47 4
Manganese	0.0070	0.200	0.200	0.209	0.208
Nickel	0.0068 J	0.200	0.200	0.208	0.209
Potassium	3.5	10.0	10.0	13.65	13.59
Selenium	ND	0.200	0.200	0.205	0.206
Silver	ND	0.0500	0.0500	0.0518	0.0535
Sodium	9.7	10.0	10.0	19.94	19.87
Thallium	ND	0.200	0.200	0.205	0.204
Vanadium	ND	0.200	0.200	0.204	0.206
Zinc	0.038	0.200	0.200	0.260	0.257

Quality Control Results

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Serial Dilution - Batch: 480-90055

**Method: 6010B
Preparation: 3005A**

Lab Sample ID: 480-28155-2
 Client Matrix: Water
 Dilution: 5.0
 Analysis Date: 11/12/2012 1913
 Prep Date: 11/10/2012 0920
 Leach Date: N/A

Analysis Batch: 480-90600
 Prep Batch: 480-90055
 Leach Batch: N/A
 Units: mg/L

Instrument ID: ICAP1
 Lab File ID: I1111212B-4.asc
 Initial Weight/Volume: 50 mL
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Aluminum	0.061 J	ND	NC	10	
Antimony	ND	ND	NC	10	
Barium	0.051	0.0507	0.36	10	
Beryllium	ND	ND	NC	10	
Cadmium	0.00070 J	ND	NC	10	
Calcium	135	136.0	1.1	10	
Chromium	0.0035 J	ND	NC	10	
Cobalt	ND	ND	NC	10	
Copper	0.0070 J	ND	NC	10	
Iron	0.32	0.327	NC	10	
Lead	0.0038 J	ND	NC	10	
Magnesium	79.2	78.01	1.5	10	
Manganese	0.0070	0.00765	NC	10	J
Nickel	0.0068 J	ND	NC	10	
Potassium	3.5	4.82	39	10	V
Selenium	ND	ND	NC	10	
Silver	ND	ND	NC	10	
Sodium	9.7	10.25	6.0	10	
Thallium	ND	ND	NC	10	
Vanadium	ND	ND	NC	10	
Zinc	0.038	0.0406	6.5	10	J

Preliminary Data

Quality Control Results

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Method Blank - Batch: 480-90506

Lab Sample ID: MB 480-90506/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/13/2012 1351
 Prep Date: 11/13/2012 0855
 Leach Date: N/A

Analysis Batch: 480-90658
 Prep Batch: 480-90506
 Leach Batch: N/A
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: LEEMAN2
 Lab File ID: H11132W1.PRN
 Initial Weight/Volume: 30 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Mercury	ND		0.00012	0.00020

Lab Control Sample - Batch: 480-90506

Lab Sample ID: LCS 480-90506/2-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/13/2012 1352
 Prep Date: 11/13/2012 0855
 Leach Date: N/A

Analysis Batch: 480-90658
 Prep Batch: 480-90506
 Leach Batch: N/A
 Units: mg/L

**Method: 7470A
 Preparation: 7470A**

Instrument ID: LEEMAN2
 Lab File ID: H11132W1.PRN
 Initial Weight/Volume: 30 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00667	0.00618	93	80 - 120	

**Matrix Spike/
 Matrix Spike Duplicate Recovery Report - Batch: 480-90506**

MS Lab Sample ID: 480-28155-2
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/13/2012 1412
 Prep Date: 11/13/2012 0855
 Leach Date: N/A

Analysis Batch: 480-90658
 Prep Batch: 480-90506
 Leach Batch: N/A

**Method: 7470A
 Preparation: 7470A**

Instrument ID: LEEMAN2
 Lab File ID: H11132W1.PRN
 Initial Weight/Volume: 30 mL
 Final Weight/Volume: 50 mL

MSD Lab Sample ID: 480-28155-2
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/13/2012 1414
 Prep Date: 11/13/2012 0855
 Leach Date: N/A

Analysis Batch: 480-90658
 Prep Batch: 480-90506
 Leach Batch: N/A

Instrument ID: LEEMAN2
 Lab File ID: H11132W1.PRN
 Initial Weight/Volume: 30 mL
 Final Weight/Volume: 50 mL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Mercury	94	94	75 - 125	0	20		

Quality Control Results

Client: N Tonawanda Water Works

Job Number: 480-28155-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 480-90506**

**Method: 7470A
Preparation: 7470A**

MS Lab Sample ID: 480-28155-2 Units: mg/L
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/13/2012 1412
 Prep Date: 11/13/2012 0855
 Leach Date: N/A

MSD Lab Sample ID: 480-28155-2
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 11/13/2012 1414
 Prep Date: 11/13/2012 0855
 Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	ND	0.00667	0.00667	0.00628	0.00627

Serial Dilution - Batch: 480-90506

**Method: 7470A
Preparation: 7470A**

Lab Sample ID: 480-28155-2
 Client Matrix: Water
 Dilution: 5.0
 Analysis Date: 11/13/2012 1411
 Prep Date: 11/13/2012 0855
 Leach Date: N/A

Analysis Batch: 480-90658
 Prep Batch: 480-90506
 Leach Batch: N/A
 Units: mg/L

Instrument ID: LEEMAN2
 Lab File ID: H11132W1.PRN
 Initial Weight/Volume: 30 mL
 Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Mercury	ND	ND	NC	10	

Preliminary Data

DATA REPORTING QUALIFIERS

Client: N Tonawanda Water Works

Job Number: 480-28155-1

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

Preliminary Data

Quality Control Results

Client: N Tonawanda Water Works

Job Number: 480-28155-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
Metals					
Prep Batch: 480-90055					
LCS 480-90055/2-A	Lab Control Sample	T	Water	3005A	
MB 480-90055/1-A	Method Blank	T	Water	3005A	
480-28155-1	NCR13S	T	Water	3005A	
480-28155-2	NCR3S	T	Water	3005A	
480-28155-2MS	Matrix Spike	T	Water	3005A	
480-28155-2MSD	Matrix Spike Duplicate	T	Water	3005A	
480-28155-3	NCR4S	T	Water	3005A	
480-28155-4	Field Duplicate	T	Water	3005A	
Prep Batch: 480-90506					
LCS 480-90506/2-A	Lab Control Sample	T	Water	7470A	
MB 480-90506/1-A	Method Blank	T	Water	7470A	
480-28155-1	NCR13S	T	Water	7470A	
480-28155-2	NCR3S	T	Water	7470A	
480-28155-2MS	Matrix Spike	T	Water	7470A	
480-28155-2MSD	Matrix Spike Duplicate	T	Water	7470A	
480-28155-3	NCR4S	T	Water	7470A	
480-28155-4	Field Duplicate	T	Water	7470A	
Analysis Batch:480-90600					
LCS 480-90055/2-A	Lab Control Sample	T	Water	6010B	480-90055
MB 480-90055/1-A	Method Blank	T	Water	6010B	480-90055
480-28155-1	NCR13S	T	Water	6010B	480-90055
480-28155-2	NCR3S	T	Water	6010B	480-90055
480-28155-2MS	Matrix Spike	T	Water	6010B	480-90055
480-28155-2MSD	Matrix Spike Duplicate	T	Water	6010B	480-90055
480-28155-3	NCR4S	T	Water	6010B	480-90055
480-28155-4	Field Duplicate	T	Water	6010B	480-90055
Analysis Batch:480-90658					
LCS 480-90506/2-A	Lab Control Sample	T	Water	7470A	480-90506
MB 480-90506/1-A	Method Blank	T	Water	7470A	480-90506
480-28155-1	NCR13S	T	Water	7470A	480-90506
480-28155-2	NCR3S	T	Water	7470A	480-90506
480-28155-2MS	Matrix Spike	T	Water	7470A	480-90506
480-28155-2MSD	Matrix Spike Duplicate	T	Water	7470A	480-90506
480-28155-3	NCR4S	T	Water	7470A	480-90506
480-28155-4	Field Duplicate	T	Water	7470A	480-90506
Analysis Batch:480-90793					
LCS 480-90055/2-A	Lab Control Sample	T	Water	6010B	480-90055
MB 480-90055/1-A	Method Blank	T	Water	6010B	480-90055
480-28155-4	Field Duplicate	T	Water	6010B	480-90055

TestAmerica Buffalo

Quality Control Results

Client: N Tonawanda Water Works

Job Number: 480-28155-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
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Report Basis

T = Total

Preliminary Data

Quality Control Results

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Laboratory Chronicle

Lab ID: 480-28155-1

Client ID: NCR13S

Sample Date/Time: 11/08/2012 09:00

Received Date/Time: 11/08/2012 08:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	480-28155-A-1-A		480-90600	480-90055	11/10/2012 09:20	1	TAL BUF	SS
A:6010B	480-28155-A-1-A		480-90600	480-90055	11/12/2012 19:09	1	TAL BUF	AH
P:7470A	480-28155-A-1-B		480-90658	480-90506	11/13/2012 08:55	1	TAL BUF	JRK
A:7470A	480-28155-A-1-B		480-90658	480-90506	11/13/2012 14:07	1	TAL BUF	JRK

Lab ID: 480-28155-2

Client ID: NCR3S

Sample Date/Time: 11/08/2012 10:00

Received Date/Time: 11/08/2012 08:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	480-28155-A-2-A		480-90600	480-90055	11/10/2012 09:20	1	TAL BUF	SS
A:6010B	480-28155-A-2-A		480-90600	480-90055	11/12/2012 19:11	1	TAL BUF	AH
P:7470A	480-28155-A-2-D		480-90658	480-90506	11/13/2012 08:55	1	TAL BUF	JRK
A:7470A	480-28155-A-2-D		480-90658	480-90506	11/13/2012 14:09	1	TAL BUF	JRK

Lab ID: 480-28155-2

Client ID: NCR3S

Sample Date/Time: 11/08/2012 10:00

Received Date/Time: 11/08/2012 08:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	480-28155-A-2-B MS		480-90600	480-90055	11/10/2012 09:20	1	TAL BUF	SS
A:6010B	480-28155-A-2-B MS		480-90600	480-90055	11/12/2012 19:22	1	TAL BUF	AH
P:7470A	480-28155-A-2-E MS		480-90658	480-90506	11/13/2012 08:55	1	TAL BUF	JRK
A:7470A	480-28155-A-2-E MS		480-90658	480-90506	11/13/2012 14:12	1	TAL BUF	JRK

Lab ID: 480-28155-2

Client ID: NCR3S

Sample Date/Time: 11/08/2012 10:00

Received Date/Time: 11/08/2012 08:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	480-28155-A-2-C MSD		480-90600	480-90055	11/10/2012 09:20	1	TAL BUF	SS
A:6010B	480-28155-A-2-C MSD		480-90600	480-90055	11/12/2012 19:24	1	TAL BUF	AH
P:7470A	480-28155-A-2-F MSD		480-90658	480-90506	11/13/2012 08:55	1	TAL BUF	JRK
A:7470A	480-28155-A-2-F MSD		480-90658	480-90506	11/13/2012 14:14	1	TAL BUF	JRK

Quality Control Results

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Laboratory Chronicle

Lab ID: 480-28155-2 SD

Client ID: NCR3S

Sample Date/Time: 11/08/2012 10:00

Received Date/Time: 11/08/2012 08:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	480-28155-A-2-A SD ^5		480-90600	480-90055	11/10/2012 09:20	5	TAL BUF	SS
A:6010B	480-28155-A-2-A SD ^5		480-90600	480-90055	11/12/2012 19:13	5	TAL BUF	AH
P:3005A	480-28155-A-2-A PDS		480-90600	480-90055	11/10/2012 09:20	1	TAL BUF	SS
A:6010B	480-28155-A-2-A PDS		480-90600	480-90055	11/12/2012 19:20	1	TAL BUF	AH
P:7470A	480-28155-A-2-D SD ^5		480-90658	480-90506	11/13/2012 08:55	5	TAL BUF	JRK
A:7470A	480-28155-A-2-D SD ^5		480-90658	480-90506	11/13/2012 14:11	5	TAL BUF	JRK

Lab ID: 480-28155-3

Client ID: NCR4S

Sample Date/Time: 11/08/2012 10:50

Received Date/Time: 11/08/2012 08:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	480-28155-A-3-A		480-90600	480-90055	11/10/2012 09:20	1	TAL BUF	SS
A:6010B	480-28155-A-3-A		480-90600	480-90055	11/12/2012 19:26	1	TAL BUF	AH
P:7470A	480-28155-A-3-B		480-90658	480-90506	11/13/2012 08:55	1	TAL BUF	JRK
A:7470A	480-28155-A-3-B		480-90658	480-90506	11/13/2012 14:17	1	TAL BUF	JRK

Lab ID: 480-28155-4

Client ID: Field Duplicate

Sample Date/Time: 11/08/2012 00:00

Received Date/Time: 11/08/2012 08:15

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	480-28155-A-4-A		480-90600	480-90055	11/10/2012 09:20	1	TAL BUF	SS
A:6010B	480-28155-A-4-A		480-90600	480-90055	11/12/2012 19:29	1	TAL BUF	AH
P:3005A	480-28155-A-4-A		480-90793	480-90055	11/10/2012 09:20	1	TAL BUF	SS
A:6010B	480-28155-A-4-A		480-90793	480-90055	11/13/2012 23:34	1	TAL BUF	AH
P:7470A	480-28155-A-4-B		480-90658	480-90506	11/13/2012 08:55	1	TAL BUF	JRK
A:7470A	480-28155-A-4-B		480-90658	480-90506	11/13/2012 14:18	1	TAL BUF	JRK

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	MB 480-90055/1-A		480-90600	480-90055	11/10/2012 09:20	1	TAL BUF	SS
A:6010B	MB 480-90055/1-A		480-90600	480-90055	11/12/2012 19:05	1	TAL BUF	AH
P:3005A	MB 480-90055/1-A		480-90793	480-90055	11/10/2012 09:20	1	TAL BUF	SS
A:6010B	MB 480-90055/1-A		480-90793	480-90055	11/13/2012 23:29	1	TAL BUF	AH
P:7470A	MB 480-90506/1-A		480-90658	480-90506	11/13/2012 08:55	1	TAL BUF	JRK
A:7470A	MB 480-90506/1-A		480-90658	480-90506	11/13/2012 13:51	1	TAL BUF	JRK

Quality Control Results

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Laboratory Chronicle

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3005A	LCS 480-90055/2-A		480-90600	480-90055	11/10/2012 09:20	1	TAL BUF	SS
A:6010B	LCS 480-90055/2-A		480-90600	480-90055	11/12/2012 19:07	1	TAL BUF	AH
P:3005A	LCS 480-90055/2-A		480-90793	480-90055	11/10/2012 09:20	1	TAL BUF	SS
A:6010B	LCS 480-90055/2-A		480-90793	480-90055	11/13/2012 23:32	1	TAL BUF	AH
P:7470A	LCS 480-90506/2-A		480-90658	480-90506	11/13/2012 08:55	1	TAL BUF	JRK
A:7470A	LCS 480-90506/2-A		480-90658	480-90506	11/13/2012 13:52	1	TAL BUF	JRK

Lab References:

TAL BUF = TestAmerica Buffalo

Certificate of Analysis

ULTRAGrade™ Solution
Silver ICP Standard
1000 µg/mL

Catalog Number: ICP-047
Lot Number: K00335
Job Number: J00009641
Lot Issue Date: 04/08/2009
Expiration Date: 05/31/2016

Starting Material: Silver Nitrate
Starting Material Purity: 99.999%
Starting Material Lot No.: BH01040
Matrix: 2% nitric acid in low TOC water (< 50 ppb)
Atomic Weight Ag: 107.88

* light sensitive

Certified Value: 1002 ± 2 µg/mL

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentrations were verified by our ISO 17025 accredited laboratory to be within ± 2.5%, when compared to calibration standards independently prepared using NIST SRM(s). The certified value and uncertainty value for each analyte is determined gravimetrically.

Classical Wet Assay Method: Theoretical, based on gravimetric measurements

Confirmation by Inductively Coupled Plasma Spectroscopy (ICP / ICP-MS) vs. NIST SRM 3151

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware and clean bottles in the manufacture of ULTRAGrade standards. Balances used in the manufacture of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.

Trace Metallic Impurities in Solution Standard in µg/mL:

* Al	<0.005	ND	* Ga	<0.005	ND	n Nb		n S			
* Sb	<0.005	ND	n Ge			n Os		n Ta			
* As	<0.005	ND	n Au			* Pd	<0.005	ND	n Te		
* Ba	<0.005	ND	n Hf			* P	<0.005	ND	n Tb		
* Be	<0.005	ND	n Ho			* Pt	<0.005	ND	* Tl	<0.005	ND
* Bi	<0.005	ND	* In	<0.005	ND	* K	<0.005	ND	n Th		
* B	<0.005	ND	n Ir			n Pr		n Tm			
* Cd	<0.005	ND	* Fe	<0.005	ND	n Re		* Sn	<0.005	ND	
* Ca	<0.005	D	* La	<0.005	ND	n Rh		* Ti	<0.005	ND	
n Ce			* Pb	<0.005	ND	n Rb		n W			
n Cs			* Li	<0.005	ND	n Ru		n U			
* Cr	<0.005	ND	n Lu			n Sm		* V	<0.005	ND	
* Co	<0.005	ND	* Mg	<0.005	D	n Sc		n Yb			
* Cu	<0.005	ND	* Mn	<0.005	ND	* Se	<0.005	ND	n Y		
n Dy			* Hg	<0.005	ND	* Si	<0.005	ND	* Zn	<0.005	ND
* Er	<0.005	ND	* Mo	<0.005	ND	s Ag		n Zr			
* Eu	<0.005	ND	n Nd			* Na	<0.005	D			
* Gd	<0.005	ND	* Ni	<0.005	ND	* Sr	<0.005	ND			

* - element checked for
ND - not detected

i - spectral interference
D - detected

n - not checked for
s - solution standard element

Density of Solution (measured at 23.5°C ± 0.5°C): 1.013 g/mL



ULTRAGrade™ Solution
Silver ICP Standard
1000 µg/mL

Catalog Number: ICP-047
Lot Number: K00335
Job Number: J00009641
Lot Issue Date: 04/08/2009
Expiration Date: 05/31/2016

Starting Material: Silver Nitrate
Starting Material Purity: 99.999%
Starting Material Lot No.: BH01040
Matrix: 2% nitric acid in low TOC water (< 50 ppb)
Atomic Weight Ag: 107.88

* light sensitive

Certified Value: 1002 ± 2 µg/mL

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentrations were verified by our ISO 17025 accredited laboratory to be within ± 2.5%, when compared to calibration standards independently prepared using NIST SRM(s). The certified value and uncertainty value for each analyte is determined gravimetrically.

Classical Wet Assay Method: Theoretical, based on gravimetric measurements

Confirmation by Inductively Coupled Plasma Spectroscopy (ICP / ICP-MS) vs. NIST SRM 3151

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware and clean bottles in the manufacture of ULTRAGrade standards. Balances used in the manufacture of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001.

Trace Metallic Impurities in Solution Standard in µg/mL:

* Al <0.005 ND	* Ga <0.005 ND	n Nb	n S
* Sb <0.005 ND	n Ge	n Os	n Ta
* As <0.005 ND	n Au	* Pd <0.005 ND	n Te
* Ba <0.005 ND	n Hf	* P <0.005 ND	n Tb
* Be <0.005 ND	n Ho	* Pt <0.005 ND	* Tl <0.005 ND
* Bi <0.005 ND	* In <0.005 ND	* K <0.005 ND	n Th
* B <0.005 ND	n Ir	n Pr	n Tm
* Cd <0.005 ND	* Fe <0.005 ND	n Re	* Sn <0.005 ND
* Ca <0.005 D	* La <0.005 ND	n Rh	* Ti <0.005 ND
n Ce	* Pb <0.005 ND	n Rb	n W
n Cs	* Li <0.005 ND	n Ru	n U
* Cr <0.005 ND	n Lu	n Sm	* V <0.005 ND
* Co <0.005 ND	* Mg <0.005 D	n Sc	n Yb
* Cu <0.005 ND	* Mn <0.005 ND	* Se <0.005 ND	n Y
n Dy	* Hg <0.005 ND	* Si <0.005 ND	* Zn <0.005 ND
* Er <0.005 ND	* Mo <0.005 ND	s Ag	n Zr
* Eu <0.005 ND	n Nd	* Na <0.005 D	
* Gd <0.005 ND	* Ni <0.005 ND	* Sr <0.005 ND	

* - element checked for
ND - not detected

i - spectral interference
D - detected

n - not checked for
s - solution standard element

Density of Solution (measured at 23.5°C ± 0.5°C): 1.013 g/mL

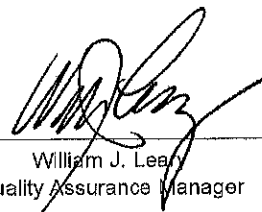


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William J. Leahy
Quality Assurance Manager

01/02/2013

Certificate of Analysis

ULTRAGrade™ Solution
Silicon ICP Standard
10000 µg/mL

Catalog Number: ICP-114
Lot Number: M00333
Job Number: J00012565
Lot Issue Date: 03/31/2011
Expiration Date: 04/30/2018

Starting Material: Ammonium Hexafluorosilicate
Starting Material Purity: 99.999%
Starting Material Lot No.: BH01795
Matrix: 2% nitric acid in low TOC water (< 50 ppb)
Atomic Weight Si: 28.09

Certified Value: 10013 ± 20 µg/mL

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentrations were verified by our ISO 17025 accredited laboratory to be within ± 2.5%, when compared to calibration standards independently prepared using NIST SRM(s). The certified value and uncertainty value at the 95% confidence level for each analyte is determined gravimetrically.

Classical Wet Assay Method: Theoretical, based on gravimetric measurements

Confirmation by Inductively Coupled Plasma Spectroscopy (ICP / ICP-MS) vs. NIST SRM 3150

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & meticulously cleaned bottles in the manufacturing of ULTRAGrade standards. Balances used in the manufacturing of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.

Preliminary Data



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Page 30 of 714

William J. Leary
Quality Assurance Manager

01/02/2013

Certificate of Analysis

ULTRAGrade™ Solution
Tin ICP Standard
1000 µg/mL

Catalog Number: ICP-050
Lot Number: L00831
Job Number: J00011518
Lot Issue Date: 07/15/2010
Expiration Date: 08/31/2017

Starting Material: Ammonium Hexafluorostannate
Starting Material Purity: 99.999%
Starting Material Lot No.: BH01376
Matrix: 2% nitric acid, with trace hydrofluoric acid, in low TOC water (< 50 ppb)
Atomic Weight Sn: 118.70

Certified Value: 1001 ± 2 µg/mL

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentrations were verified by our ISO 17025 accredited laboratory to be within ± 2.5%, when compared to calibration standards independently prepared using NIST SRM(s). The certified value and uncertainty value for each analyte is determined gravimetrically.

Classical Wet Assay Method: Theoretical, based on gravimetric measurements

Confirmation by Inductively Coupled Plasma Spectroscopy (ICP / ICP-MS) vs. NIST SRM 3161a

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & meticulously cleaned bottles in the manufacturing of ULTRAGrade standards. Balances used in the manufacturing of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.

Trace Metallic Impurities in Solution Standard in µg/mL:

* AI <0.005 ND	* Ga <0.005 ND	n Nb	n S
* Sb <0.005 ND	n Ge	n Os	n Ta
* As <0.005 ND	n Au	* Pd <0.005 ND	n Te
* Ba <0.005 ND	n Hf	* P <0.005 ND	n Tb
* Be <0.005 ND	n Ho	* Pt <0.005 ND	* Tl <0.005 ND
* Bi <0.005 ND	* In <0.005 ND	* K <0.005 ND	n Th
* B <0.005 ND	n Ir	n Pr	n Tm
* Cd <0.005 ND	* Fe <0.005 ND	n Re	s Sn
* Ca <0.005 D	* La <0.005 ND	n Rh	* Ti <0.005 ND
n Ce	* Pb <0.005 ND	n Rb	n W
n Cs	* Li <0.005 ND	n Ru	n U
* Cr <0.005 ND	n Lu	n Sm	* V <0.005 ND
* Co <0.005 ND	* Mg <0.006 D	n Sc	n Yb
* Cu <0.005 ND	* Mn <0.005 ND	* Se <0.005 ND	n Y
n Dy	* Hg <0.005 ND	* Si <0.005 ND	* Zn <0.005 ND
* Er <0.005 ND	* Mo <0.005 ND	* Ag <0.005 ND	n Zr
* Eu <0.005 ND	n Nd	* Na <0.005 ND	
* Gd <0.005 ND	* Ni <0.005 ND	* Sr <0.005 ND	

* - element checked for
ND - not detected

i - spectral interference
D - detected

n - not checked for
s - solution standard element

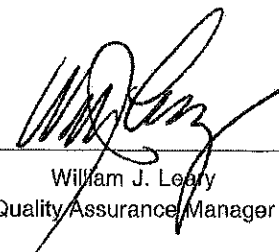
Density of Solution (measured at 22.0°C ± 0.5°C): 1.014 g/mL



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William J. Leary
Quality Assurance Manager

Certificate of Analysis



663502
ID: MED_01_W1_00009
Exp: 04/30/13 Prod: SS
ICP W1 Spike & PS, ICUS-1

Inorganic Custom Standard

Catalog Number: ICUS-1370

Lot Number: P00314

Job Number: J00014484

Lot Issue Date: 03/26/2012

Expiration Date: 04/30/2013

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The certified value and uncertainty value at the 95% confidence level for each analyte is determined gravimetrically.

Analyte	True Value				Analytical Method
antimony	40.00	±	0.20	µg/mL	gravimetric
arsenic	40.00	±	0.20	µg/mL	gravimetric
beryllium	40.00	±	0.20	µg/mL	gravimetric
cadmium	40.00	±	0.20	µg/mL	gravimetric
chromium	40.00	±	0.20	µg/mL	gravimetric
cobalt	40.00	±	0.20	µg/mL	gravimetric
copper	40.00	±	0.20	µg/mL	gravimetric
lead	40.00	±	0.20	µg/mL	gravimetric
manganese	40.00	±	0.20	µg/mL	gravimetric
molybdenum	40.00	±	0.20	µg/mL	gravimetric
nickel	40.00	±	0.20	µg/mL	gravimetric
selenium	40.00	±	0.20	µg/mL	gravimetric
thallium	40.00	±	0.20	µg/mL	gravimetric
* vanadium	40.00	±	0.20	µg/mL	gravimetric
zinc	40.00	±	0.20	µg/mL	gravimetric
titanium	40.00	±	0.20	µg/mL	gravimetric
calcium	2000	±	10	µg/mL	gravimetric
iron	2000	±	10	µg/mL	gravimetric
magnesium	2000	±	10	µg/mL	gravimetric

Matrix: 5% nitric acid, trace tartaric acid in low TOC water (< 50 ppb)


* light sensitive

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & meticulously cleaned bottles in the manufacturing of ULTRAggrade standards. Balances used in the manufacturing of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001



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William J. Leahy
Quality Assurance Manager

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Certificate of Analysis



824829
ID: MED_01_W1_00010
Exp: 07/31/13 Prpd: SS
ICP W1 Spike & PS, ICUS-1

Inorganic Custom Standard

Catalog Number: ICUS-1370

Lot Number: P00656

Job Number: J00014865

Lot Issue Date: 06/27/2012

Expiration Date: 07/31/2013

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The certified value and uncertainty value at the 95% confidence level for each analyte is determined gravimetrically.

Analyte	True Value				Analytical Method
antimony	40.00	±	0.20	µg/mL	gravimetric
arsenic	40.00	±	0.20	µg/mL	gravimetric
beryllium	40.00	±	0.20	µg/mL	gravimetric
cadmium	40.00	±	0.20	µg/mL	gravimetric
chromium	40.00	±	0.20	µg/mL	gravimetric
cobalt	40.00	±	0.20	µg/mL	gravimetric
copper	40.00	±	0.20	µg/mL	gravimetric
lead	40.00	±	0.20	µg/mL	gravimetric
manganese	40.00	±	0.20	µg/mL	gravimetric
molybdenum	40.00	±	0.20	µg/mL	gravimetric
nickel	40.00	±	0.20	µg/mL	gravimetric
selenium	40.00	±	0.20	µg/mL	gravimetric
thallium	40.00	±	0.20	µg/mL	gravimetric
* vanadium	40.00	±	0.20	µg/mL	gravimetric
zinc	40.00	±	0.20	µg/mL	gravimetric
titanium	40.00	±	0.20	µg/mL	gravimetric
calcium	2000	±	10	µg/mL	gravimetric
iron	2000	±	10	µg/mL	gravimetric
magnesium	2000	±	10	µg/mL	gravimetric

Matrix: 5% nitric acid, trace tartaric acid in low TOC water (< 50 ppb)

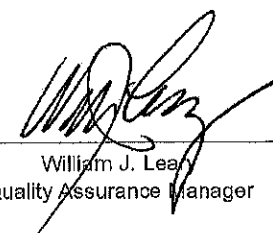
* light sensitive

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & meticulously cleaned bottles in the manufacturing of ULTRAGrade standards. Balances used in the manufacturing of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001



ISO 17025:2005
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Cert. No. 0851.01

ISO 9001:2000
Registered
TUV USA, Inc.
Cert. No. 06-1004



William J. Leahy
Quality Assurance Manager

250 Smith Street, North Kingstown, RI 02852 USA

Ph: 401-294-9400 * Fax: 401-295-2330

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01/02/2013

Certificate of Analysis



663489
ID: MED_02_W2_00008
Exp: 04/30/13 Pripd: 95
ICP W2 Spike & PS, ICUS-3

Inorganic Custom Standard

Catalog Number: ICUS-3097

Lot Number: P00309

Job Number: J00014485

Lot Issue Date: 03/26/2012

Expiration Date: 04/30/2013

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The certified value and uncertainty value at the 95% confidence level for each analyte is determined gravimetrically.

Analyte	True Value				Analytical Method
barium	40.00	±	0.20	µg/mL	gravimetric
boron	40.00	±	0.20	µg/mL	gravimetric
aluminum	2003	±	10	µg/mL	gravimetric
potassium	2003	±	10	µg/mL	gravimetric
sodium	2003	±	10	µg/mL	gravimetric
lithium	40.00	±	0.20	µg/mL	gravimetric
strontium	40.00	±	0.20	µg/mL	gravimetric

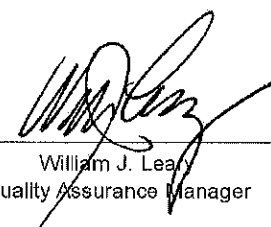
Matrix: 5% nitric acid, trace hydrofluoric acid in low TOC water (< 50 ppb)

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & meticulously cleaned bottles in the manufacturing of ULTRAGrade standards. Balances used in the manufacturing of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001



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Cert. No. 08-1004



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Page 34 of 714
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01/02/2013

Certificate of Analysis



824838
ID: MED_02_W2_00009
Exp: 07/31/13 Prpd: SS
ICP W2 Spike & PS, ICUS-3

Inorganic Custom Standard

Catalog Number: ICUS-3097

Lot Number: P00654

Job Number: J00014866

Lot Issue Date: 06/27/2012

Expiration Date: 07/31/2013

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The certified value and uncertainty value at the 95% confidence level for each analyte is determined gravimetrically.

Analyte	True Value				Analytical Method
barium	40.00	±	0.20	µg/mL	gravimetric
boron	40.00	±	0.20	µg/mL	gravimetric
aluminum	2003	±	10	µg/mL	gravimetric
potassium	2003	±	10	µg/mL	gravimetric
sodium	2003	±	10	µg/mL	gravimetric
lithium	40.00	±	0.20	µg/mL	gravimetric
strontium	40.00	±	0.20	µg/mL	gravimetric

Matrix: 5% nitric acid, trace hydrofluoric acid in low TOC water (< 50 ppb)

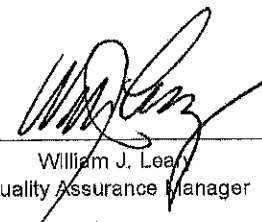
ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & meticulously cleaned bottles in the manufacturing of ULTRAGrade standards. Balances used in the manufacturing of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NGSL Z-540-1 and ISO 9001

PRELIMINARY DATA



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Registered
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Cert. No. 06-1004



William J. Leahy
Quality Assurance Manager

250 Smith Street, North Kingstown, RI 02852 USA
Ph: 401-294-9400 * Fax: 401-295-2330

Certificate of Analysis / QC Results

Aqua Solutions, Inc.

6913 Highway 225

Deer Park, TX 77536

281/479-2569

Packaged Product: 5690 MERCURY STANDARD SOLUTION 1ML=0.1MG			
Test	Target/UOM	Range	Result
PREPARED TO FORMULATION ON FILE	YES		YES
APPEARANCE AND COLOR	CLEAR WATER WHITE LIQUID		PASS
INSTRUMENTS USED DURING PREPARATION	INSTRUMENT		P-E2,VF1-6
Lot #	2071855		
Made	08/01/12		

RM: 5750 MERCURY AA STANDARD 1,000ppm(NIST)
Lot: 221416

RM: 9765 WATER DEIONIZED REAGENT GRADE
Lot: DAILY

This is to certify that the product listed above has been prepared according to the agreed-upon formulation. The solutions producer has a Quality Management System which governs each step of the manufacturing process to insure the production of a consistent product. Traceability from the producer's lot numbers to the original manufacturer's lot numbers is maintained. The lot number and description of each raw material used to prepare this product are listed above. Certificates of Analysis for these individual raw materials are available upon request.

The weights and/or volumes used to prepare this product are N.I.S.T. Traceable. All balances used in the preparation of product are calibrated daily against N.I.S.T. Traceable weights. The balances are maintained and serviced on a regular basis by an outside certified company. All volumetric glassware used is N.I.S.T. Traceable and certified as meeting Class A specifications.

Unless otherwise agreed upon, all chemicals used in the preparation of this product are Reagent ACS grade.


Quality Manager

Certificate of Analysis

SM-606-115

Solution A

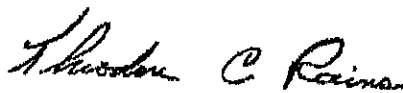
Lot # 1134818

<u>Source</u>	<u>Source Purity</u>	<u>Matrix</u>	<u>Standard Concentration</u>
High Purity Metals, Salts and Oxides	99.98+%	HNO ₃ , 5%	µg/mL ± 0.5% See element list on reverse

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.



Theodore C. Rains, Ph.D.
President

Exp Date:

DEC 22 2012

MSDS ATTACHED

HIGH-PURITY STANDARDS

P.O. Box 41727
Charleston, SC 29423

Phone: (843) 767-7900
Fax: (843) 767-7906

MATERIAL SAFETY DATA SHEET

SM-606-115 Solution A

Issue Date: 12/21/11

SECTION I - Product Identification/Hazardous Ingredients

Formula: N/A Concentration: N/A Molecular Weight: N/A

TSCA: YES CAS NO: 7697-37-2

Component 3.2% Multielements including (0.01% As, Be, Cd, Co, Pb, Ni) in 5% HNO₃ + balance H₂O

TLV/TWA: 8 h Not Estab.; 5 mg/m³ STEL: N/A PEL: N/A Toxicity: N/A

SECTION II - Physical/Chemical Characteristics

Boiling Point: 100°C Vapor Pressure (mm): N/A Vapor Density (air+1): N/A

Freezing Point: N/A Specific Gravity (H₂O = 1): N/A Solubility in H₂O: Complete

SECTION III - Fire and Explosion Hazard Data

Flash Point: N/A Auto Ignition Temperature: N/A Lower Explosion Level: N/A

NFPA - Rating: N/A Extinguishing Media: Use appropriate

Special Fire-Fighting Procedures: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Unusual Fires Explosion Hazards: N/A

Toxic Gases Produced: NO_x

SECTION IV - Reacting Data

Unstable : ()

Stable: (X)

Conditions to Avoid: Metals, hydroxides, carbonates, cyanides

Incompatibles: Strong reducing agents

Hazardous Decomposition: NO_x

SECTION V - Health Hazard Data

Routes of Entry: Inhalation, eye contact, skin contact

Signs and Symptoms of Exposure:

Inhalation: Inhalation of mists may cause mild irritation of respiratory tract. As a suspected cancer hazard in humans because of beryllium component, inhalation is a primary route of exposure.

Ingestion: Symptoms are expected to be less severe than exposure to higher concentrations of acid where symptoms may include burning sensation, vomiting, and diarrhea.

Skin Contact: Symptoms are expected to be less severe than exposure to higher concentration of acid where symptoms may include irritation, redness, pain and burns

Chronic Exposure: Suspected carcinogenic properties in humans due to inhalation of beryllium compounds.

Carcinogenicity: NTP: Yes (As, Be, Cd, Co, Ni) IARC: Yes (As, Be, Cd, Co, Ni) OSHA reg: Yes (As, Be, Cd, Pb, Ni)

Emergency First Aid Procedures: CALL A PHYSICIAN; If swallowed, do not induce vomiting, if conscious give water, milk. In case of contact, flush eyes or skin with plenty of water.

SECTION VI - Precautions for Safe Handling and Use

Special Precautions: Keep container tightly closed

In Case of Spill or Discharge: Remove source of ignition if hydrogen is a hazard. Provide optimum ventilation. Flush to holding area for neutralization.

Disposal Procedures: Follow Federal, State and Local regulations for waste.

SECTION VII - Protective Equipment

Respiratory Protection: NIOSH approved respirator

Ventilation: Local Exhaust(X)

Mechanical ()

Protective Gloves: Proper gloves

Eye Protection: Safety glasses with side shields

Other: Lab coat/apron; vent hood

SECTION VIII – Transport Information

D.O.T. Classification: Hazardous by IATA and 49CFR regulations (based on concentration of acid).
D.O.T. Shipping Name: Corrosive liquid, Acidic, Inorganic, n.o.s. (Nitric Acid Solution)
D.O.T. Hazard Class: 8
U.N./N.A. Number: 3264
Packing Group: II
D.O.T. Label: Corrosive (8)

NOTICE

The data and information as stated was furnished by the manufacturers/vendors & or suppliers of this products. High-Purity Standards, Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.
Prepared by: Theodore C Rains, Ph.D 12/21/11

Preliminary Data

Certificate of Analysis

SM-606-115
Solution B
Lot # 1134819

<u>Source</u>	<u>Source Purity</u>	<u>Matrix</u>	<u>Standard Concentration</u>
High Purity Metals, Salts or Oxides	99.96+%	HNO ₃ , 2% + Tr HF	μg/mL ± 0.5% Antimony 100 Molybdenum 100 *Silicon 5000 Titanium 100 *from (NH ₄) ₂ SiF ₆

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.



Theodore C. Rains, Ph.D.
President

Exp Date: DEC 22 2012
MSDS ATTACHED

HIGH-PURITY STANDARDS

P.O. Box 41727
Charleston, SC 29423

Phone: (843) 767-7900
Fax: (843) 767-7906

MATERIAL SAFETY DATA SHEET

SM-606-115
Solution B

Issue Date: 12/21/11

SECTION I - Product Identification/Hazardous Ingredients

Formula: N/A Concentration: N/A Molecular Weight: N/A

TSCA: YES CAS NO: 7697-37-2/7664-39-3

Component: 0.53% Multielements in 2% HNO₃ + Tr HF + balance H₂O

TLV/TWA: 8 h Not Estab.; 2.5 mg/m³ STEL: N/A PEL: N/A Toxicity: N/A

SECTION II - Physical/Chemical Characteristics

Boiling Point: 100°C Vapor Pressure (mm): N/A Vapor Density (air+1): N/A

Freezing Point: N/A Specific Gravity (H₂O = 1): N/A Solubility in H₂O: Complete

SECTION III - Fire and Explosion Hazard Data

Flash Point: N/A Auto Ignition Temperature: N/A Lower Explosion Level: N/A

NFPA - Rating: N/A Extinguishing Media: Use appropriate

Special Fire-Fighting Procedures: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode.

Unusual Fires Explosion Hazards: N/A

Toxic Gases Produced: NO_x, HF

SECTION IV - Reacting Data

Unstable : () Stable: (X)

Conditions to Avoid: Metals, hydroxides, carbonates, cyanides

Incompatibles: Strong reducing agents

Hazardous Decomposition: NO_x, HF

SECTION V - Health Hazard Data

Routes of Entry: Inhalation, eye contact, skin contact

Signs and Symptoms of Exposure: Liquid may cause burns to skin and eyes

Medical Conditions Generally Aggravated by Exposure: None identified

Carcinogenicity: NTP: No IARC: No OSHA reg.: No

Emergency First Aid Procedures: CALL A PHYSICIAN; If swallowed, do not induce vomiting, if conscious give water, milk. In case of contact, flush eyes or skin with plenty of water.

SECTION VI - Precautions for Safe Handling and Use

Special Precautions: Keep container tightly closed

In Case of Spill or Discharge: Remove source of ignition if hydrogen is a hazard. Provide optimum ventilation. Flush to holding area for neutralization.

Disposal Procedures: Follow Federal, State and Local regulations for waste.

SECTION VII - Protective Equipment

Respiratory Protection: NIOSH approved respirator

Ventilation: Local Exhaust Mechanical

Protective Gloves: Proper gloves

Eye Protection: Safety glasses with side shields

Other: Lab coat/apron; vent hood

SECTION VIII - Transport Information

D.O.T. Classification: Hazardous by IATA regulations (based on concentration of acid).

D.O.T. Shipping Name: Corrosive liquid, Acidic, Inorganic, n.o.s. (Nitric Acid Solution)

D.O.T. Hazard Class: 8

U.N./N.A. Number: 3264

Packing Group: II

D.O.T. Label: Corrosive (8)

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Prepared by: Theodore C Rains, Ph.D 12/21/11

Inorganic Custom Standard

Catalog Number: ICUS-3099

Lot Number: P00608

Job Number: J00014816

Lot Issue Date: 06/14/2012

Expiration Date: 07/31/2013

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The certified value and uncertainty value at the 95% confidence level for each analyte is determined gravimetrically.

Analyte	True Value			Analytical Method
aluminum	2.000	±	0.010 µg/mL	gravimetric
antimony	0.2000	±	0.0010 µg/mL	gravimetric
arsenic	0.1000	±	0.0005 µg/mL	gravimetric
barium	0.0200	±	0.0001 µg/mL	gravimetric
beryllium	0.0200	±	0.0001 µg/mL	gravimetric
boron	0.2000	±	0.0010 µg/mL	gravimetric
cadmium	0.0100	±	0.00005 µg/mL	gravimetric
calcium	5.000	±	0.025 µg/mL	gravimetric
chromium	0.0400	±	0.0002 µg/mL	gravimetric
cobalt	0.0400	±	0.0002 µg/mL	gravimetric
copper	0.1000	±	0.0005 µg/mL	gravimetric
iron	0.5000	±	0.0025 µg/mL	gravimetric
lead	0.0500	±	0.00025 µg/mL	gravimetric
magnesium	2.000	±	0.010 µg/mL	gravimetric
manganese	0.0300	±	0.00015 µg/mL	gravimetric
molybdenum	0.1000	±	0.0005 µg/mL	gravimetric
nickel	0.1000	±	0.0005 µg/mL	gravimetric
potassium	5.000	±	0.025 µg/mL	gravimetric
selenium	0.1500	±	0.0008 µg/mL	gravimetric
* silver	0.0300	±	0.00015 µg/mL	gravimetric
sodium	10.00	±	0.05 µg/mL	gravimetric
thallium	0.2000	±	0.0010 µg/mL	gravimetric
tin	0.1000	±	0.0005 µg/mL	gravimetric
titanium	0.0500	±	0.00025 µg/mL	gravimetric

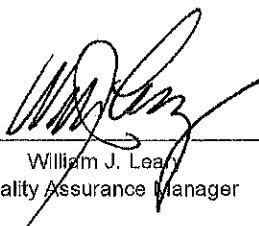


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Cert. No. 06-1004

250 Smith Street, North Kingstown, RI 02852 USA
Ph: 401-294-9400 * Fax: 401-295-2330

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William J. Leary
Quality Assurance Manager

01/02/2013

Certificate of Analysis

809051
REC: 6/25/12

Inorganic Custom Standard

Catalog Number: ICUS-3099

Lot Number: P00608

Job Number: J00014816

Lot Issue Date: 06/14/2012

Expiration Date: 07/31/2013

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The certified value and uncertainty value at the 95% confidence level for each analyte is determined gravimetrically.

Analyte	True Value	Analytical Method
* vanadium	0.0500 ± 0.00025 µg/mL	gravimetric
zinc	0.1000 ± 0.0005 µg/mL	gravimetric
silicon	5.000 ± 0.025 µg/mL	gravimetric
lithium	0.3000 ± 0.0015 µg/mL	gravimetric
strontium	0.0500 ± 0.00025 µg/mL	gravimetric

Matrix: 5% nitric acid, trace tartaric acid in low TOC water (< 50 ppb)

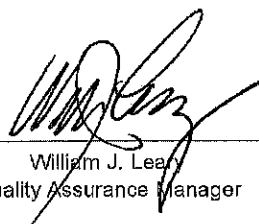
* light sensitive

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William J. Leary
Quality Assurance Manager

Certificate of Analysis

TALS ID: 837300

REC: 7/16/12

CLP ICP Interference Check Standard #1

Catalog Number: ICM-441

Lot Number: L01063

Job Number: J00011792

Lot Issue Date: 09/09/2010

Expiration Date: 10/31/2014

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system. The analyte concentrations were verified by our ISO 17025 accredited laboratory to be within $\pm 5.0\%$, when compared to calibration standards independently prepared using NIST SRM(s). The certified value and uncertainty value for each analyte is determined gravimetrically.

Analyte	True Value			Analytical Method	NIST SRM
aluminum	5004	\pm	25	$\mu\text{g/mL}$ ICP / ICP-MS	3101a
calcium	5001	\pm	25	$\mu\text{g/mL}$ ICP / ICP-MS	3109a
iron	2002	\pm	10	$\mu\text{g/mL}$ ICP / ICP-MS	3126a
magnesium	5003	\pm	25	$\mu\text{g/mL}$ ICP / ICP-MS	3131a

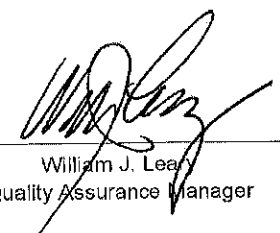
Matrix: 5% nitric acid in low TOC water (< 50 ppb)

ULTRA uses purified acids, 18 megohm double deionized water, calibrated Class A glassware & meticulously cleaned bottles in the manufacturing of ULTRAGrade standards. Balances used in the manufacturing of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NC SL Z-540-1 and ISO 9001.



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Cert. No. 0851.01

ISO 9001:2000
Registered
TUV USA, Inc.
Cert. No. 06-1004



William J. Leary
Quality Assurance Manager

250 Smith Street, North Kingstown, RI 02852 USA
Ph: 401-294-9400 * Fax: 401-295-2330

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01/02/2013

Certificate of Analysis

(ICUSAB stock w/o Ag)
R 8/17/12 AMH
E 9/30/13
88 6697

Inorganic Custom Standard

Catalog Number: ICUS-3482

Lot Number: P00821

Job Number: J00015075

Lot Issue Date: 08/13/2012

Expiration Date: 09/30/2013

This Certified Reference Material (CRM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The certified value and uncertainty value at the 95% confidence level for each analyte is determined gravimetrically.

Analyte	True Value				Analytical Method
arsenic	1.000	±	0.005	mg/L	gravimetric
barium	5.000	±	0.025	mg/L	gravimetric
beryllium	5.000	±	0.025	mg/L	gravimetric
cadmium	10.00	±	0.05	mg/L	gravimetric
cobalt	5.000	±	0.025	mg/L	gravimetric
chromium	5.000	±	0.025	mg/L	gravimetric
copper	5.000	±	0.025	mg/L	gravimetric
manganese	5.000	±	0.025	mg/L	gravimetric
nickel	10.00	±	0.05	mg/L	gravimetric
lead	0.5000	±	0.0025	mg/L	gravimetric
antimony	6.000	±	0.030	mg/L	gravimetric
selenium	0.5000	±	0.0025	mg/L	gravimetric
thallium	1.000	±	0.005	mg/L	gravimetric
* vanadium	5.000	±	0.025	mg/L	gravimetric
zinc	10.00	±	0.05	mg/L	gravimetric
aluminum	5006	±	25	mg/L	gravimetric
calcium	5007	±	25	mg/L	gravimetric
iron	1000	±	5	mg/L	gravimetric
magnesium	5004	±	25	mg/L	gravimetric
silicon	10.00	±	0.05	µg/mL	gravimetric
lithium	5.000	±	0.025	µg/mL	gravimetric
strontium	5.000	±	0.025	µg/mL	gravimetric

Matrix: 5% nitric acid, trace hydrofluoric acid, trace tartaric acid in low TOC water (< 50 ppb)

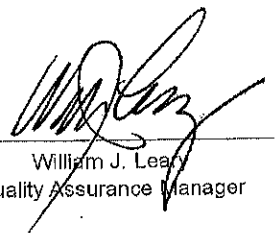
* light sensitive

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Cert. No. 06-1004



William J. Leary
Quality Assurance Manager

250 Smith Street, North Kingstown, RI 02852 USA
Ph: 401-294-9400 * Fax: 401-295-2330

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01/02/2013

Certification Summary

Client: N Tonawanda Water Works
 Project/Site: City of North Tonawanda - NCRS

TestAmerica Job ID: 480-28155-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAP	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAP	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAP	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAP	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAP	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAP	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAP	1	2337
TestAmerica Buffalo	New Hampshire	NELAP	1	2973
TestAmerica Buffalo	New Jersey	NELAP	2	NY455
TestAmerica Buffalo	New York	NELAP	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAP	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAP	3	68-00281
TestAmerica Buffalo	Rhode Island	State Program	1	LAO00328
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAP	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAP	3	460185
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390

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

METALS

Preliminary Data

COVER PAGE
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-28155-1

SDG No.: _____

Project: City of North Tonawanda - NCRS

Client Sample ID	Lab Sample ID
<u>NCR13S</u>	<u>480-28155-1</u>
<u>NCR3S</u>	<u>480-28155-2</u>
<u>NCR4S</u>	<u>480-28155-3</u>
<u>Field Duplicate</u>	<u>480-28155-4</u>

Preliminary Data

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: NCR13S

Lab Sample ID: 480-28155-1

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

SDG ID.: _____

Matrix: Water

Date Sampled: 11/08/2012 09:00

Reporting Basis: WET

Date Received: 11/08/2012 08:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.15	0.20	0.060	mg/L	J		1	6010B
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010B
7440-39-3	Barium	0.042	0.0020	0.00070	mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010B
7440-43-9	Cadmium	0.00060	0.0010	0.00050	mg/L	J		1	6010B
7440-70-2	Calcium	147	0.50	0.10	mg/L			1	6010B
7440-47-3	Chromium	0.0033	0.0040	0.0010	mg/L	J		1	6010B
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010B
7440-50-8	Copper	0.0053	0.010	0.0016	mg/L	J		1	6010B
7439-89-6	Iron	0.38	0.050	0.019	mg/L			1	6010B
7439-92-1	Lead	ND	0.0050	0.0030	mg/L			1	6010B
7439-95-4	Magnesium	56.9	0.20	0.043	mg/L			1	6010B
7439-96-5	Manganese	0.0037	0.0030	0.00040	mg/L			1	6010B
7440-02-0	Nickel	0.0039	0.010	0.0013	mg/L	J		1	6010B
7440-09-7	Potassium	2.5	0.50	0.10	mg/L			1	6010B
7782-49-2	Selenium	ND	0.015	0.0087	mg/L			1	6010B
7440-22-4	Silver	ND	0.0030	0.0017	mg/L			1	6010B
7440-23-5	Sodium	20.1	1.0	0.32	mg/L		B	1	6010B
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010B
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010B
7440-66-6	Zinc	0.030	0.010	0.0015	mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: NCR3S

Lab Sample ID: 480-28155-2

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

SDG ID.: _____

Matrix: Water

Date Sampled: 11/08/2012 10:00

Reporting Basis: WET

Date Received: 11/08/2012 08:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.061	0.20	0.060	mg/L	J		1	6010B
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010B
7440-39-3	Barium	0.051	0.0020	0.00070	mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010B
7440-43-9	Cadmium	0.00070	0.0010	0.00050	mg/L	J		1	6010B
7440-70-2	Calcium	135	0.50	0.10	mg/L			1	6010B
7440-47-3	Chromium	0.0035	0.0040	0.0010	mg/L	J		1	6010B
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010B
7440-50-8	Copper	0.0070	0.010	0.0016	mg/L	J		1	6010B
7439-89-6	Iron	0.32	0.050	0.019	mg/L			1	6010B
7439-92-1	Lead	0.0038	0.0050	0.0030	mg/L	J		1	6010B
7439-95-4	Magnesium	79.2	0.20	0.043	mg/L			1	6010B
7439-96-5	Manganese	0.0070	0.0030	0.00040	mg/L			1	6010B
7440-02-0	Nickel	0.0068	0.010	0.0013	mg/L	J		1	6010B
7440-09-7	Potassium	3.5	0.50	0.10	mg/L			1	6010B
7782-49-2	Selenium	ND	0.015	0.0087	mg/L			1	6010B
7440-22-4	Silver	ND	0.0030	0.0017	mg/L			1	6010B
7440-23-5	Sodium	9.7	1.0	0.32	mg/L		B	1	6010B
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010B
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010B
7440-66-6	Zinc	0.038	0.010	0.0015	mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: NCR4S

Lab Sample ID: 480-28155-3

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

SDG ID.: _____

Matrix: Water

Date Sampled: 11/08/2012 10:50

Reporting Basis: WET

Date Received: 11/08/2012 08:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.40	0.20	0.060	mg/L			1	6010B
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010B
7440-39-3	Barium	0.061	0.0020	0.00070	mg/L			1	6010B
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010B
7440-43-9	Cadmium	ND	0.0010	0.00050	mg/L			1	6010B
7440-70-2	Calcium	137	0.50	0.10	mg/L			1	6010B
7440-47-3	Chromium	0.0021	0.0040	0.0010	mg/L	J		1	6010B
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010B
7440-50-8	Copper	0.0025	0.010	0.0016	mg/L	J		1	6010B
7439-89-6	Iron	1.4	0.050	0.019	mg/L			1	6010B
7439-92-1	Lead	ND	0.0050	0.0030	mg/L			1	6010B
7439-95-4	Magnesium	43.6	0.20	0.043	mg/L			1	6010B
7439-96-5	Manganese	0.0044	0.0030	0.00040	mg/L			1	6010B
7440-02-0	Nickel	0.0016	0.010	0.0013	mg/L	J		1	6010B
7440-09-7	Potassium	23.6	0.50	0.10	mg/L			1	6010B
7782-49-2	Selenium	ND	0.015	0.0087	mg/L			1	6010B
7440-22-4	Silver	ND	0.0030	0.0017	mg/L			1	6010B
7440-23-5	Sodium	37.3	1.0	0.32	mg/L		B	1	6010B
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010B
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010B
7440-66-6	Zinc	0.063	0.010	0.0015	mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

Pre-Release Only

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: Field Duplicate

Lab Sample ID: 480-28155-4

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

SDG ID.: _____

Matrix: Water

Date Sampled: 11/08/2012 00:00

Reporting Basis: WET

Date Received: 11/08/2012 08:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.18	0.20	0.060	mg/L	J		1	6010B
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010B
7440-39-3	Barium	0.043	0.0020	0.00070	mg/L			1	6010B
7440-41-7	Beryllium	0.0012	0.0020	0.00030	mg/L	J		1	6010B
7440-43-9	Cadmium	0.00053	0.0010	0.00050	mg/L	J		1	6010B
7440-70-2	Calcium	148	0.50	0.10	mg/L			1	6010B
7440-47-3	Chromium	0.0035	0.0040	0.0010	mg/L	J		1	6010B
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010B
7440-50-8	Copper	0.0047	0.010	0.0016	mg/L	J		1	6010B
7439-89-6	Iron	0.31	0.050	0.019	mg/L			1	6010B
7439-92-1	Lead	ND	0.0050	0.0030	mg/L			1	6010B
7439-95-4	Magnesium	57.9	0.20	0.043	mg/L			1	6010B
7439-96-5	Manganese	0.0023	0.0030	0.00040	mg/L	J		1	6010B
7440-02-0	Nickel	0.0037	0.010	0.0013	mg/L	J		1	6010B
7440-09-7	Potassium	1.9	0.50	0.10	mg/L			1	6010B
7782-49-2	Selenium	ND	0.015	0.0087	mg/L			1	6010B
7440-22-4	Silver	ND	0.0030	0.0017	mg/L			1	6010B
7440-23-5	Sodium	20.5	1.0	0.32	mg/L		B	1	6010B
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010B
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010B
7440-66-6	Zinc	0.015	0.010	0.0015	mg/L			1	6010B
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

Pre-Release Only

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

ICV Source: MEI_04_ICV_00142 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00085

Analyte	ICV 480-90600/5 11/12/2012 15:26				CCV 480-90600/12 11/12/2012 18:50				CCV 480-90600/19 11/12/2012 19:16			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	18.56		18.8	99	25.08		25.0	100	24.90		25.0	100
Antimony	0.382		0.375	102	0.504		0.500	101	0.503		0.500	101
Barium	0.392		0.375	105	0.507		0.500	101	0.500		0.500	100
Beryllium	0.376		0.375	100	0.501		0.500	100	0.496		0.500	99
Cadmium	0.374		0.375	100	0.504		0.500	101	0.505		0.500	101
Calcium	18.72		18.8	100	25.63		25.0	103	25.43		25.0	102
Chromium	0.382		0.375	102	0.511		0.500	102	0.514		0.500	103
Cobalt	0.367		0.375	98	0.497		0.500	99	0.495		0.500	99
Copper	0.381		0.375	101	0.494		0.500	99	0.499		0.500	100
Iron	18.33		18.8	98	24.67		25.0	99	24.49		25.0	98
Lead	0.373		0.375	99	0.507		0.500	101	0.507		0.500	101
Magnesium	18.62		18.8	99	24.87		25.0	99	25.18		25.0	101
Manganese	0.384		0.375	103	0.510		0.500	102	0.514		0.500	103
Nickel	0.370		0.375	99	0.497		0.500	99	0.497		0.500	99
Potassium	18.80		18.8	100	25.77		25.0	103	25.61		25.0	102
Selenium	0.373		0.375	99	0.497		0.500	99	0.495		0.500	99
Silver	0.380		0.375	101	0.502		0.500	100	0.502		0.500	100
Sodium	18.79		18.8	100	25.36		25.0	101	25.14		25.0	101
Thallium	0.375		0.375	100	0.511		0.500	102	0.516		0.500	103
Vanadium	0.379		0.375	101	0.503		0.500	101	0.504		0.500	101
Zinc	0.382		0.375	102	0.523		0.500	105	0.518		0.500	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

ICV Source: MEI_04_ICV_00142 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00085

Analyte	CCV 480-90600/31 11/12/2012 19:42											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	25.08		25.0	100								
Antimony	0.501		0.500	100								
Barium	0.510		0.500	102								
Beryllium	0.498		0.500	100								
Cadmium	0.509		0.500	102								
Calcium	25.69		25.0	103								
Chromium	0.515		0.500	103								
Cobalt	0.499		0.500	100								
Copper	0.499		0.500	100								
Iron	24.52		25.0	98								
Lead	0.508		0.500	102								
Magnesium	25.05		25.0	100								
Manganese	0.511		0.500	102								
Nickel	0.500		0.500	100								
Potassium	25.65		25.0	103								
Selenium	0.500		0.500	100								
Silver	0.506		0.500	101								
Sodium	25.50		25.0	102								
Thallium	0.513		0.500	103								
Vanadium	0.511		0.500	102								
Zinc	0.525		0.500	105								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

ICV Source: MEI_04_ICV_00142 Concentration Units: mg/L

CCV Source: MEI_09_CCV_00085

Analyte	ICV 480-90793/5 11/13/2012 13:49				CCV 480-90793/12 11/13/2012 23:22				CCV 480-90793/23 11/13/2012 23:50			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Iron	18.34		18.8	98	23.99		25.0	96	24.37		25.0	97
Potassium	18.48		18.8	99	24.94		25.0	100	25.30		25.0	101
Sodium	18.53		18.8	99	24.81		25.0	99	25.24		25.0	101

Preliminary Data

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

ICV Source: MEH_HG2_WKG_00229 Concentration Units: mg/L

CCV Source: MEH_HG2_WKG_00229

Analyte	ICV 480-90658/1 11/13/2012 12:53				CCV 480-90658/28 11/13/2012 13:42				CCV 480-90658/40 11/13/2012 14:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00296		0.00300	99	0.00203		0.00200	102	0.00202		0.00200	101

Preliminary Data

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2A-IN
 CALIBRATION VERIFICATIONS
 METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

ICV Source: MEH_HG2_WKG_00229 Concentration Units: mg/L

CCV Source: MEH_HG2_WKG_00229

Analyte	CCV 480-90658/52 11/13/2012 14:25											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00202		0.00200	101								

Preliminary Data

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
 Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1
 SDG No.: _____
 Method: 6010B Instrument ID: ICAP1
 Lab Sample ID: CRI 480-90600/7 Concentration Units: mg/L
 CRQL Check Standard Source: MEI_06_CRI_00043

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	0.200	0.215		108	50-150
Antimony	0.0200	0.0210		105	50-150
Barium	0.00200	0.00212		106	50-150
Beryllium	0.00200	0.00190	J	95	50-150
Cadmium	0.00100	0.00104		104	50-150
Calcium	0.500	0.511		102	50-150
Chromium	0.00400	0.00396	J	99	50-150
Cobalt	0.00400	0.00387	J	97	50-150
Copper	0.0100	0.00964	J	96	50-150
Iron	0.0500	0.0557		111	50-150
Lead	0.00500	0.00535		107	50-150
Magnesium	0.200	0.200		100	50-150
Manganese	0.00300	0.00300		100	50-150
Nickel	0.0100	0.0101		101	50-150
Potassium	0.500	0.527		105	50-150
Selenium	0.0150	0.0116	J	77	50-150
Silver	0.00300	0.00272	J	91	50-150
Sodium	1.00	1.07		107	50-150
Thallium	0.0200	0.0193	J	97	50-150
Vanadium	0.00500	0.00504		101	50-150
Zinc	0.0100	0.0115		115	50-150

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1
 SDG No.: _____
 Method: 6010B Instrument ID: ICAP2
 Lab Sample ID: CRI 480-90793/7 Concentration Units: mg/L
 CRQL Check Standard Source: MEI_06_CRI_00043

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Iron	0.0500	0.0558		112	50-150
Potassium	0.500	0.493	J	99	50-150
Sodium	1.00	1.01		101	50-150

Preliminary Data

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

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1
 SDG No.: _____
 Method: 7470A Instrument ID: LEEMAN2
 Lab Sample ID: CRA 480-90658/3 Concentration Units: mg/L
 CRQL Check Standard Source: MEH_HG2_WKG_00229

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.000200	0.000198	J	99	50-150

Preliminary Data

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

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 480-90600/6 11/12/2012 15:28		CCB 480-90600/13 11/12/2012 18:52		CCB 480-90600/20 11/12/2012 19:18		CCB 480-90600/32 11/12/2012 19:44	
		Found	C	Found	C	Found	C	Found	C
Aluminum	0.20	ND		ND		ND		ND	
Antimony	0.020	ND		ND		ND		ND	
Barium	0.0020	ND		ND		ND		ND	
Beryllium	0.0020	ND		ND		ND		ND	
Cadmium	0.0010	ND		ND		ND		ND	
Calcium	0.50	ND		ND		ND		ND	
Chromium	0.0040	ND		ND		ND		ND	
Cobalt	0.0040	ND		ND		ND		ND	
Copper	0.010	ND		ND		ND		ND	
Iron	0.050	ND		ND		ND		ND	
Lead	0.0050	ND		ND		ND		ND	
Magnesium	0.20	ND		ND		ND		ND	
Manganese	0.0030	ND		ND		ND		0.000750	J
Nickel	0.010	ND		ND		ND		ND	
Potassium	0.50	ND		0.349	J	0.324	J	0.119	J
Selenium	0.015	ND		ND		ND		ND	
Silver	0.0030	ND		ND		ND		ND	
Sodium	1.0	ND		ND		ND		ND	
Thallium	0.020	ND		ND		ND		ND	
Vanadium	0.0050	ND		ND		ND		ND	
Zinc	0.010	ND		ND		ND		ND	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 480-90793/6 11/13/2012 13:51		CCB 480-90793/13 11/13/2012 23:25		CCB 480-90793/24 11/13/2012 23:53		Found	C
		Found	C	Found	C	Found	C		
Iron	0.050	ND		ND		0.0369	J		
Potassium	0.50	ND		ND		ND			
Sodium	1.0	ND		ND		ND			

Preliminary Data

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

Concentration Units: mg/L

Analyte	RL	ICB 480-90658/2 11/13/2012 12:54		CCB 480-90658/29 11/13/2012 13:44		CCB 480-90658/41 11/13/2012 14:05		CCB 480-90658/53 11/13/2012 14:26	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.00020	ND		ND		ND		ND	

Preliminary Data

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 480-90055/1-A

Instrument Code: ICAP1 Batch No.: 90600

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	ND			6010B
7440-36-0	Antimony	ND			6010B
7440-39-3	Barium	ND			6010B
7440-41-7	Beryllium	ND			6010B
7440-43-9	Cadmium	ND			6010B
7440-70-2	Calcium	ND			6010B
7440-47-3	Chromium	ND			6010B
7440-48-4	Cobalt	ND			6010B
7440-50-8	Copper	ND			6010B
7439-89-6	Iron	ND			6010B
7439-92-1	Lead	ND			6010B
7439-95-4	Magnesium	ND			6010B
7439-96-5	Manganese	ND			6010B
7440-02-0	Nickel	ND			6010B
7782-49-2	Selenium	ND			6010B
7440-22-4	Silver	ND			6010B
7440-23-5	Sodium	0.696	J		6010B
7440-28-0	Thallium	ND			6010B
7440-62-2	Vanadium	ND			6010B
7440-66-6	Zinc	ND			6010B

Preliminary Data

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

Concentration Units: mg/L Lab Sample ID: MB 480-90055/1-A

Instrument Code: ICAP2 Batch No.: 90793

CAS No.	Analyte	Concentration	C	Q	Method
7440-09-7	Potassium	ND			6010B

Preliminary Data

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1
SDG No.: _____
Concentration Units: mg/L Lab Sample ID: MB 480-90506/1-A
Instrument Code: LEEMAN2 Batch No.: 90658

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	ND			7470A

Preliminary Data

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

SDG No.: _____

Lab Sample ID: ICSA 480-90600/8

Instrument ID: ICAP1

Lab File ID: I1111212B-4.asc

ICS Source: MEI_07_ICSA_00038

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	500	484	97
Antimony		-0.0026	
Barium		0.0008	
Beryllium		-0.0001	
Cadmium		-0.0011	
Calcium	500	464	93
Chromium		0.0029	
Cobalt		-0.0001	
Copper		0.0020	
Iron	200	181	91
Lead		0.0000	
Magnesium	500	501	100
Manganese		0.0021	
Nickel		-0.0004	
Potassium		0.0268	
Selenium		-0.0077	
Silver		-0.0014	
Sodium		0.0387	
Thallium		-0.0004	
Vanadium		0.0012	
Zinc		0.0011	
<i>Arsenic</i>		<i>0.0062</i>	
<i>Boron</i>		<i>0.0006</i>	
<i>Lithium</i>		<i>0.0034</i>	
<i>Molybdenum</i>		<i>-0.0010</i>	
<i>Silicon</i>		<i>0.0197</i>	
<i>Strontium</i>		<i>0.0055</i>	
<i>Tin</i>		<i>0.0016</i>	
<i>Titanium</i>		<i>0.0047</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

SDG No.: _____

Lab Sample ID: ICSAB 480-90600/9

Instrument ID: ICAP1

Lab File ID: I1111212B-4.asc

ICS Source: MEI_08_ICSAB_00051

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Aluminum	500	491	98
Antimony	0.600	0.617	103
Barium	0.500	0.486	97
Beryllium	0.500	0.483	97
Cadmium	1.00	1.02	102
Calcium	500	455	91
Chromium	0.500	0.483	97
Cobalt	0.500	0.495	99
Copper	0.500	0.529	106
Iron	100	89.9	90
Lead	0.0500	0.0520	104
Magnesium	500	515	103
Manganese	0.500	0.469	94
Nickel	1.00	0.982	98
Potassium		0.0355	
Selenium	0.0500	0.0437	87
Silver	0.200	0.221	110
Sodium		0.172	
Thallium	0.100	0.0946	95
Vanadium	0.500	0.484	97
Zinc	1.00	0.967	97
<i>Arsenic</i>	<i>0.100</i>	<i>0.108</i>	<i>108</i>
<i>Boron</i>		<i>0.0037</i>	
<i>Lithium</i>	<i>0.500</i>	<i>0.515</i>	<i>103</i>
<i>Molybdenum</i>		<i>-0.0002</i>	
<i>Silicon</i>	<i>1.00</i>	<i>1.04</i>	<i>104</i>
<i>Strontium</i>	<i>0.500</i>	<i>0.489</i>	<i>98</i>
<i>Tin</i>		<i>0.0013</i>	
<i>Titanium</i>		<i>0.0039</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

SDG No.: _____

Lab Sample ID: ICSA 480-90793/8

Instrument ID: ICAP2

Lab File ID: I2111312A-12.asc

ICS Source: MEI_07_ICSA_00038

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Iron	200	179	89
Potassium		-0.145	
Sodium		-0.0138	
<i>Aluminum</i>	<i>500</i>	<i>479</i>	<i>96</i>
<i>Antimony</i>		<i>0.0016</i>	
<i>Arsenic</i>		<i>-0.0076</i>	
<i>Barium</i>		<i>0.0004</i>	
<i>Beryllium</i>		<i>0.0000</i>	
<i>Boron</i>		<i>-0.0041</i>	
<i>Cadmium</i>		<i>0.0018</i>	
<i>Calcium</i>	<i>500</i>	<i>454</i>	<i>91</i>
<i>Chromium</i>		<i>0.0005</i>	
<i>Cobalt</i>		<i>0.0006</i>	
<i>Copper</i>		<i>0.0030</i>	
<i>Lead</i>		<i>0.0044</i>	
<i>Lithium</i>		<i>0.0098</i>	
<i>Magnesium</i>	<i>500</i>	<i>494</i>	<i>99</i>
<i>Manganese</i>		<i>0.0008</i>	
<i>Molybdenum</i>		<i>-0.0024</i>	
<i>Nickel</i>		<i>-0.0010</i>	
<i>Selenium</i>		<i>-0.0011</i>	
<i>Silicon</i>		<i>0.0062</i>	
<i>Silver</i>		<i>-0.0002</i>	
<i>Strontium</i>		<i>0.0054</i>	
<i>Thallium</i>		<i>-0.0058</i>	
<i>Tin</i>		<i>0.0026</i>	
<i>Titanium</i>		<i>0.0034</i>	
<i>Vanadium</i>		<i>0.0025</i>	
<i>Zinc</i>		<i>0.0009</i>	

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

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

SDG No.: _____

Lab Sample ID: ICSAB 480-90793/9

Instrument ID: ICAP2

Lab File ID: I2111312A-12.asc

ICS Source: MEI_08_ICSAB_00051

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Iron	100	89.8	90
Potassium		-0.0644	
Sodium		0.0411	
Aluminum	500	492	98
Antimony	0.600	0.593	99
Arsenic	0.100	0.102	102
Barium	0.500	0.493	99
Beryllium	0.500	0.480	96
Boron		-0.0010	
Cadmium	1.00	0.993	99
Calcium	500	455	91
Chromium	0.500	0.478	96
Cobalt	0.500	0.486	97
Copper	0.500	0.517	103
Lead	0.0500	0.0563	113
Lithium	0.500	0.520	104
Magnesium	500	509	102
Manganese	0.500	0.462	92
Molybdenum		-0.0008	
Nickel	1.00	0.960	96
Selenium	0.0500	0.0490	98
Silicon	1.00	1.03	103
Silver	0.200	0.218	109
Strontium	0.500	0.487	97
Thallium	0.100	0.0866	87
Tin		0.0028	
Titanium		0.0027	
Vanadium	0.500	0.477	95
Zinc	1.00	0.961	96

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

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: NCR3S MS

Lab ID: 480-28155-2 MS

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

SDG No.: _____

Matrix: Water

Concentration Units: mg/L

% Solids: _____

Analyte	SSR C	Sample Result (SR) C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10.27	0.061	J 10.0	102	75-125		6010B
Antimony	0.207	ND	0.200	103	75-125		6010B
Barium	0.256	0.051	0.200	103	75-125		6010B
Beryllium	0.204	ND	0.200	102	75-125		6010B
Cadmium	0.210	0.00070	J 0.200	105	75-125		6010B
Calcium	146.5	135	10.0	119	75-125	4	6010B
Chromium	0.213	0.0035	J 0.200	105	75-125		6010B
Cobalt	0.206	ND	0.200	103	75-125		6010B
Copper	0.210	0.0070	J 0.200	102	75-125		6010B
Iron	10.30	0.32	10.0	100	75-125		6010B
Lead	0.210	0.0038	J 0.200	103	75-125		6010B
Magnesium	91.22	79.2	10.0	121	75-125	4	6010B
Manganese	0.209	0.0070	0.200	101	75-125		6010B
Nickel	0.208	0.0068	J 0.200	101	75-125		6010B
Potassium	13.65	3.5	10.0	102	75-125		6010B
Selenium	0.205	ND	0.200	103	75-125		6010B
Silver	0.0518	ND	0.0500	104	75-125		6010B
Sodium	19.94	9.7	10.0	103	75-125		6010B
Thallium	0.205	ND	0.200	103	75-125		6010B
Vanadium	0.204	ND	0.200	102	75-125		6010B
Zinc	0.260	0.038	0.200	111	75-125		6010B
Mercury	0.00628	ND	0.00667	94	75-125		7470A

SSR = Spiked Sample Result

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

5A-IN
 MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
 METALS

Client ID: NCR3S MSD

Lab ID: 480-28155-2 MSD

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

SDG No.: _____

Matrix: Water

Concentration Units: mg/L

% Solids: _____

Analyte	(SDR) C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Aluminum	10.29	10.0	102	75-125	0	20		6010B
Antimony	0.212	0.200	106	75-125	2	20		6010B
Barium	0.260	0.200	105	75-125	1	20		6010B
Beryllium	0.203	0.200	102	75-125	0	20		6010B
Cadmium	0.210	0.200	105	75-125	0	20		6010B
Calcium	145.0	10.0	104	75-125	1	20	4	6010B
Chromium	0.213	0.200	105	75-125	0	20		6010B
Cobalt	0.207	0.200	103	75-125	0	20		6010B
Copper	0.214	0.200	103	75-125	2	20		6010B
Iron	10.29	10.0	100	75-125	0	20		6010B
Lead	0.210	0.200	103	75-125	0	20		6010B
Magnesium	90.47	10.0	113	75-125	1	20	4	6010B
Manganese	0.208	0.200	100	75-125	1	20		6010B
Nickel	0.209	0.200	101	75-125	0	20		6010B
Potassium	13.59	10.0	101	75-125	0	20		6010B
Selenium	0.206	0.200	103	75-125	1	20		6010B
Silver	0.0535	0.0500	107	75-125	3	20		6010B
Sodium	19.87	10.0	102	75-125	0	20		6010B
Thallium	0.204	0.200	102	75-125	1	20		6010B
Vanadium	0.206	0.200	103	75-125	1	20		6010B
Zinc	0.257	0.200	109	75-125	1	20		6010B
Mercury	0.00627	0.00667	94	75-125	0	20		7470A

SDR = Sample Duplicate Result

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

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: NCR3S PDS

Lab ID: 480-28155-2 PDS

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

SDG No.: _____

Matrix: Water

Concentration Units: mg/L

Analyte	SSR C	Sample Result (SR) C		Spike Added (SA)	%R	Control Limit %R	Q	Method
Aluminum	10.51	0.061	J	10.0	104	75-125		6010B
Antimony	0.210	ND		0.200	105	75-125		6010B
Barium	0.260	0.051		0.200	105	75-125		6010B
Beryllium	0.207	ND		0.200	104	75-125		6010B
Cadmium	0.211	0.00070	J	0.200	105	75-125		6010B
Calcium	142.1	135		10.0	NC	75-125		6010B
Chromium	0.208	0.0035	J	0.200	102	75-125		6010B
Cobalt	0.208	ND		0.200	104	75-125		6010B
Copper	0.214	0.0070	J	0.200	103	75-125		6010B
Iron	10.39	0.32		10.0	101	75-125		6010B
Lead	0.213	0.0038	J	0.200	105	75-125		6010B
Magnesium	87.00	79.2		10.0	78	75-125		6010B
Manganese	0.213	0.0070		0.200	103	75-125		6010B
Nickel	0.211	0.0068	J	0.200	102	75-125		6010B
Potassium	13.76	3.5		10.0	103	75-125		6010B
Selenium	0.211	ND		0.200	105	75-125		6010B
Silver	0.0532	ND		0.0500	106	75-125		6010B
Sodium	19.81	9.7		10.0	101	75-125		6010B
Thallium	0.205	ND		0.200	103	75-125		6010B
Vanadium	0.207	ND		0.200	104	75-125		6010B
Zinc	0.256	0.038		0.200	109	75-125		6010B

SSR = Spiked Sample Result

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

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 480-90055/2-A

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

Sample Matrix: Water

LCS Source: MED_02_W2_00009

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	10.0	10.05		100	80	120		6010B
Antimony	0.200	0.201		101	80	120		6010B
Barium	0.200	0.208		104	80	120		6010B
Beryllium	0.200	0.204		102	80	120		6010B
Cadmium	0.200	0.205		102	80	120		6010B
Calcium	10.0	10.54		105	80	120		6010B
Chromium	0.200	0.211		106	80	120		6010B
Cobalt	0.200	0.205		102	80	120		6010B
Copper	0.200	0.201		101	80	120		6010B
Iron	10.0	10.00		100	80	120		6010B
Lead	0.200	0.205		102	80	120		6010B
Magnesium	10.0	10.35		103	80	120		6010B
Manganese	0.200	0.204		102	80	120		6010B
Nickel	0.200	0.200		100	80	120		6010B
Selenium	0.200	0.194		97	80	120		6010B
Silver	0.0500	0.0512		102	80	120		6010B
Thallium	0.200	0.201		100	80	120		6010B
Vanadium	0.200	0.202		101	80	120		6010B
Zinc	0.200	0.224		112	80	120		6010B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 480-90055/2-A

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

Sample Matrix: Water

LCS Source: MED_02_W2_00009

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Potassium	10.0	10.01		100	80	120		6010B
Sodium	10.0	9.98		100	80	120		6010B

Preliminary Data

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 480-90506/2-A

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

Sample Matrix: Water

LCS Source: MEH_HG2_WKG_00229

Analyte	Water (mg/L)						
	True	Found	C	%R	Limits	Q	Method
Mercury	0.00667	0.00618		93	80	120	7470A

Preliminary Data

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 480-28155-2

SDG No: _____

Lab Name: TestAmerica Buffalo

Job No: 480-28155-1

Matrix: Water

Concentration Units: mg/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Aluminum	0.061	J	ND		NC		6010B
Antimony	ND		ND		NC		6010B
Barium	0.051		0.0507		0.36		6010B
Beryllium	ND		ND		NC		6010B
Cadmium	0.00070	J	ND		NC		6010B
Calcium	135		136.0		1.1		6010B
Chromium	0.0035	J	ND		NC		6010B
Cobalt	ND		ND		NC		6010B
Copper	0.0070	J	ND		NC		6010B
Iron	0.32		0.327		NC		6010B
Lead	0.0038	J	ND		NC		6010B
Magnesium	79.2		78.01		1.5		6010B
Manganese	0.0070		0.00765	J	NC		6010B
Nickel	0.0068	J	ND		NC		6010B
Potassium	3.5		4.82		39	V	6010B
Selenium	ND		ND		NC		6010B
Silver	ND		ND		NC		6010B
Sodium	9.7		10.25		6.0		6010B
Thallium	ND		ND		NC		6010B
Vanadium	ND		ND		NC		6010B
Zinc	0.038		0.0406	J	6.5		6010B

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

FORM VIII-IN

8-IN
 ICP-AES AND ICP-MS SERIAL DILUTIONS
 METALS

Lab ID: 480-28155-2
 SDG No: _____
 Lab Name: TestAmerica Buffalo Job No: 480-28155-1
 Matrix: Water Concentration Units: mg/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Difference	Q	Method
Mercury	ND	ND	NC		7470A

Preliminary Data

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

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-28155-1
 SDG Number: _____
 Matrix: Water Instrument ID: ICAP1
 Method: 6010B MDL Date: 02/23/2012 13:15
 Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Aluminum	308.215	0.2	0.06
Antimony	206.833	0.02	0.00679
Barium	455.403	0.002	0.0007
Beryllium	313.042	0.002	0.0003
Cadmium	228.802	0.001	0.0005
Calcium	317.933	0.5	0.1
Chromium	267.716	0.004	0.001
Cobalt	228.616	0.004	0.00063
Copper	324.754	0.01	0.0016
Iron	259.940	0.05	0.0193
Lead	220.353	0.005	0.003
Magnesium	279.079	0.2	0.0434
Manganese	257.610	0.003	0.0004
Nickel	231.604	0.01	0.00126
Potassium	766.490	0.5	0.1
Selenium	196.090	0.015	0.0087
Silver	328.068	0.003	0.0017
Sodium	589.592	1	0.324
Thallium	190.856	0.02	0.01024
Vanadium	292.402	0.005	0.0015
Zinc	206.200	0.01	0.0015

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo

Job Number: 480-28155-1

SDG Number: _____

Matrix: Water

Instrument ID: ICAP1

Method: 6010B

XMDL Date: 02/23/2012 13:20

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Aluminum	308.215	0.2	0.06
Antimony	206.833	0.02	0.00679
Barium	455.403	0.002	0.0007
Beryllium	313.042	0.002	0.0003
Cadmium	228.802	0.001	0.0005
Calcium	317.933	0.5	0.1
Chromium	267.716	0.004	0.001
Cobalt	228.616	0.004	0.00063
Copper	324.754	0.01	0.0016
Iron	259.940	0.05	0.0193
Lead	220.353	0.005	0.003
Magnesium	279.079	0.2	0.0434
Manganese	257.610	0.003	0.0004
Nickel	231.064	0.01	0.00126
Potassium	766.490	0.5	0.1
Selenium	196.090	0.015	0.0087
Silver	328.068	0.003	0.0017
Sodium	589.592	1	0.324
Thallium	190.856	0.02	0.01024
Vanadium	292.402	0.005	0.0015
Zinc	206.200	0.01	0.0015

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo

Job Number: 480-28155-1

SDG Number: _____

Matrix: Water

Instrument ID: ICAP2

Method: 6010B

MDL Date: 02/23/2012 13:15

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Iron	259.940	0.05	0.0193
Potassium	766.490	0.5	0.1

Preliminary Data

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-28155-1
SDG Number: _____
Matrix: Water Instrument ID: ICAP2
Method: 6010B XMDL Date: 02/23/2012 13:20

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Iron	259.940	0.05	0.0193
Potassium	766.490	0.5	0.1

Preliminary Data

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-28155-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN2
Method: 7470A MDL Date: 01/28/2010 00:00
Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury	253.7	0.0002	0.00012

Preliminary Data

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-28155-1
SDG Number: _____
Matrix: Water Instrument ID: LEEMAN2
Method: 7470A XMDL Date: 01/28/2010 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Mercury	253.7	0.0002	0.00012

Preliminary Data

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo

Job Number: 480-28155-1

SDG No.: _____

ICP-AES Instrument ID: ICAP1

Date: 08/09/2012

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	In	K
Aluminum	308.215														
Antimony	206.833										0.015301				
Arsenic	189.042										-0.013858				
Barium	455.403														
Beryllium	313.042														
Boron	208.959														
Cadmium	228.802			0.001710									0.000001		
Calcium	317.933														
Chromium	267.716												-0.000005		
Cobalt	228.616														
Copper	324.754														
Indium	230.606														
Iron	259.940														
Lead	220.353		-0.000036							-0.000166			0.000039		
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604										-0.000606				
Potassium	766.490														
Selenium	196.090		-0.000040												
Silicon	288.158														
Silver	328.068														
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034														
Thallium	190.856										0.004734				
Tin	189.989														
Titanium	334.904														
Vanadium	292.402										-0.004755		0.000018		

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-28155-1

SDG No.: _____

ICP-AES Instrument ID: ICAP1 Date: 08/09/2012

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	In	K
Yttrium	224.306														
Zinc	206.200										-0.000995				

Preliminary Data

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo

Job Number: 480-28155-1

SDG No.: _____

ICP-AES Instrument ID: ICAP1

Date: 08/09/2012

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	Sn	Sr	Ti	Tl
Aluminum	308.215														
Antimony	206.833														
Arsenic	189.042														
Barium	455.403										0.000002				
Beryllium	313.042													-0.000197	
Boron	208.959				0.045198						0.000168				
Cadmium	228.802										0.000017				
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616				-0.000974						-0.000005			0.001662	0.001662
Copper	324.754														
Indium	230.606														
Iron	259.940														
Lead	220.353				-0.001851						0.000233			-0.000543	
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090														
Silicon	288.158													0.021198	
Silver	328.068														
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034														
Thallium	190.856													-0.000531	
Tin	189.989													-0.002655	
Titanium	334.904														
Vanadium	292.402				-0.000491									0.000640	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-28155-1

SDG No.: _____

ICP-AES Instrument ID: ICAP1 Date: 08/09/2012

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	Sb	Se	Si	Sn	Sr	Ti	Tl
Yttrium	224.306														
Zinc	206.200														

Preliminary Data

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo

Job Number: 480-28155-1

SDG No.: _____

ICP-AES Instrument ID: ICAP1

Date: 08/09/2012

Analyte	Wave Length	V	Y	Zn											
Aluminum	308.215	-0.001546													
Antimony	206.833														
Arsenic	189.042														
Barium	455.403														
Beryllium	313.042	0.000050													
Boron	208.959														
Cadmium	228.802	0.000036													
Calcium	317.933														
Chromium	267.716														
Cobalt	228.616														
Copper	324.754														
Indium	230.606														
Iron	259.940														
Lead	220.353														
Lithium	670.784														
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Potassium	766.490														
Selenium	196.090														
Silicon	288.158														
Silver	328.068														
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034														
Thallium	190.856	0.000956													
Tin	189.989														
Titanium	334.904														
Vanadium	292.402														

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-28155-1

SDG No.: _____

ICP-AES Instrument ID: ICAP1 Date: 08/09/2012

Analyte	Wave Length	V	Y	Zn										
Yttrium	224.306													
Zinc	206.200													

Preliminary Data

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Buffalo Job Number: 480-28155-1

SDG No.: _____

ICP-AES Instrument ID: ICAP2 Date: 11/06/2012

Analyte	Wave Length	Al	As	Cr	Fe	Mo	Si	Ti	Tl	V				
Aluminum	308.215									-0.0096596				
Antimony	206.833			0.0132306	0.0000274	-0.0065768		0.0003838						
Arsenic	189.042			-0.020882										
Beryllium	313.042							-0.0000897		0.0002177				
Boron	208.959					0.0357943								
Cadmium	228.802		0.0024665											
Cobalt	228.616					-0.0009663			0.0019047					
Copper	324.754					0.001337		-0.0005793		-0.0002729				
Lead	220.353	-0.0000502			0.0000232	-0.001729	0.0002597	-0.0007063						
Nickel	231.604				0.0000279				0.0002364					
Selenium	196.090	-0.0000143												
Silver	328.068				-0.0000057					0.0001093				
Thallium	190.856							-0.0005004		0.0059574				
Tin	189.989													
Titanium	334.904			0.0001598		0.0004294								
Vanadium	292.402				0.0000146	-0.0032079		0.0003387						
Zinc	206.200			-0.0006932										

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Buffalo

Job No: 480-28155-1

SDG No.: _____

Instrument ID: ICAP1

Date: 07/24/2012 11:44

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Aluminum	15	1000	6010B
Antimony	15	50	6010B
Barium	15	10	6010B
Beryllium	15	25	6010B
Cadmium	15	15	6010B
Calcium	15	1000	6010B
Chromium	15	40	6010B
Cobalt	15	40	6010B
Copper	15	25	6010B
Iron	15	800	6010B
Lead	15	120	6010B
Magnesium	15	250	6010B
Manganese	15	15	6010B
Nickel	15	25	6010B
Potassium	15	600	6010B
Selenium	15	80	6010B
Silver	15	2	6010B
Sodium	15	5000	6010B
Thallium	15	40	6010B
Vanadium	15	50	6010B
Zinc	15	20	6010B

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Buffalo

Job No: 480-28155-1

SDG No.: _____

Instrument ID: ICAP2

Date: 07/24/2012 11:44

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Iron	15	800	6010B
Potassium	15	600	6010B

Preliminary Data

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Buffalo

Job No: 480-28155-1

SDG No.: _____

Instrument ID: LEEMAN2

Date: 03/20/2012 10:04

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Mercury	10	10	7470A

Preliminary Data

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Buffalo

Job No.: 480-28155-1

SDG No.: _____

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-90055/1-A	11/10/2012 09:20	90055		50	50
LCS 480-90055/2-A	11/10/2012 09:20	90055		50	50
480-28155-1	11/10/2012 09:20	90055		50	50
480-28155-2	11/10/2012 09:20	90055		50	50
480-28155-2 MS	11/10/2012 09:20	90055		50	50
480-28155-2 MSD	11/10/2012 09:20	90055		50	50
480-28155-3	11/10/2012 09:20	90055		50	50
480-28155-4	11/10/2012 09:20	90055		50	50

Preliminary Data

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 480-90506/1-A	11/13/2012 08:55	90506		30	50
LCS 480-90506/2-A	11/13/2012 08:55	90506		30	50
480-28155-1	11/13/2012 08:55	90506		30	50
480-28155-2	11/13/2012 08:55	90506		30	50
480-28155-2 MS	11/13/2012 08:55	90506		30	50
480-28155-2 MSD	11/13/2012 08:55	90506		30	50
480-28155-3	11/13/2012 08:55	90506		30	50
480-28155-4	11/13/2012 08:55	90506		30	50

Preliminary Data

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

Instrument ID: ICAP1 Method: 6010B

Start Date: 11/12/2012 15:17 End Date: 11/12/2012 20:35

Lab Sample ID	D / F	Type	Time	Analytes																			
				A g	A l	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l	V
IC 480-90600/1			15:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-90600/2			15:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-90600/3			15:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 480-90600/4			15:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 480-90600/5	1		15:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB 480-90600/6	1		15:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 480-90600/7	1		15:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA 480-90600/8	1		15:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 480-90600/9	1		15:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 480-90600/10			15:36																				
CCB 480-90600/11			15:39																				
CCV 480-90600/12	1		18:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-90600/13	1		18:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 480-90055/1-A	1	T	19:05	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
LCS 480-90055/2-A	1	T	19:07	X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X	X
480-28155-1	1	T	19:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-28155-2	1	T	19:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-28155-2 SD	5	T	19:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 480-90600/19	1		19:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-90600/20	1		19:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-28155-2 PDS	1	T	19:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-28155-2 MS	1	T	19:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-28155-2 MSD	1	T	19:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-28155-3	1	T	19:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
480-28155-4	1	T	19:29	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X
ZZZZZZ			19:31																				
ZZZZZZ			19:33																				
ZZZZZZ			19:35																				
ZZZZZZ			19:37																				
ZZZZZZ			19:39																				
CCV 480-90600/31	1		19:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 480-90600/32	1		19:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			19:46																				
ZZZZZZ			19:48																				
ZZZZZZ			19:50																				
ZZZZZZ			19:52																				
ZZZZZZ			19:55																				
ZZZZZZ			19:57																				
ZZZZZZ			19:59																				
ZZZZZZ			20:01																				
ZZZZZZ			20:03																				
ZZZZZZ			20:05																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

Instrument ID: ICAP1 Method: 6010B

Start Date: 11/12/2012 15:17 End Date: 11/12/2012 20:35

Lab Sample ID	D / F	Type	Time	Analytes																			
				A g	A l	B a	B e	C a	C d	C o	C r	C u	F e	K	M g	M n	N a	N i	P b	S b	S e	T l	V
CCV 480-90600/43			20:07																				
CCB 480-90600/44			20:10																				
ZZZZZZ			20:12																				
CCV 480-90600/46			20:33																				
CCB 480-90600/47			20:35																				

Preliminary

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

Instrument ID: ICAP1 Method: 6010B

Start Date: 11/12/2012 15:17 End Date: 11/12/2012 20:35

Lab Sample ID	D / F	Type	Time	Analytes															
				Zn															
IC 480-90600/1			15:17	X															
IC 480-90600/2			15:19	X															
IC 480-90600/3			15:21	X															
IC 480-90600/4			15:23	X															
ICV 480-90600/5	1		15:26	X															
ICB 480-90600/6	1		15:28	X															
CRI 480-90600/7	1		15:30	X															
ICSA 480-90600/8	1		15:32	X															
ICSAB 480-90600/9	1		15:34	X															
CCV 480-90600/10			15:36																
CCB 480-90600/11			15:39																
CCV 480-90600/12	1		18:50	X															
CCB 480-90600/13	1		18:52	X															
MB 480-90055/1-A	1	T	19:05	X															
LCS 480-90055/2-A	1	T	19:07	X															
480-28155-1	1	T	19:09	X															
480-28155-2	1	T	19:11	X															
480-28155-2 SD	5	T	19:13	X															
CCV 480-90600/19	1		19:16	X															
CCB 480-90600/20	1		19:18	X															
480-28155-2 PDS	1	T	19:20	X															
480-28155-2 MS	1	T	19:22	X															
480-28155-2 MSD	1	T	19:24	X															
480-28155-3	1	T	19:26	X															
480-28155-4	1	T	19:29	X															
ZZZZZZ			19:31																
ZZZZZZ			19:33																
ZZZZZZ			19:35																
ZZZZZZ			19:37																
ZZZZZZ			19:39																
CCV 480-90600/31	1		19:42	X															
CCB 480-90600/32	1		19:44	X															
ZZZZZZ			19:46																
ZZZZZZ			19:48																
ZZZZZZ			19:50																
ZZZZZZ			19:52																
ZZZZZZ			19:55																
ZZZZZZ			19:57																
ZZZZZZ			19:59																
ZZZZZZ			20:01																
ZZZZZZ			20:03																
ZZZZZZ			20:05																

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

Instrument ID: ICAP1 Method: 6010B

Start Date: 11/12/2012 15:17 End Date: 11/12/2012 20:35

Lab Sample ID	D / F	T y p e	Time	Analytes															
				Z	n														
CCV 480-90600/43			20:07																
CCB 480-90600/44			20:10																
ZZZZZZ			20:12																
CCV 480-90600/46			20:33																
CCB 480-90600/47			20:35																

Prep Types
T = Total/NA

Preliminary

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

Instrument ID: ICAP2 Method: 6010B

Start Date: 11/13/2012 13:40 End Date: 11/13/2012 23:53

Lab Sample ID	D / F	Type	Time	Analytes															
				Fe	K	Na													
IC 480-90793/1			13:40	X	X	X													
IC 480-90793/2			13:42	X	X	X													
IC 480-90793/3			13:44	X	X	X													
IC 480-90793/4			13:46	X	X	X													
ICV 480-90793/5	1		13:49	X	X	X													
ICB 480-90793/6	1		13:51	X	X	X													
CRI 480-90793/7	1		13:53	X	X	X													
ICSA 480-90793/8	1		13:55	X	X	X													
ICSAB 480-90793/9	1		13:58	X	X	X													
CCV 480-90793/10			14:00																
CCB 480-90793/11			14:02																
CCV 480-90793/12	1		23:22	X	X	X													
CCB 480-90793/13	1		23:25	X	X	X													
MB 480-90055/1-A	1	T	23:29		X														
LCS 480-90055/2-A	1	T	23:32		X	X													
480-28155-4	1	T	23:34	X	X														
ZZZZZZ			23:36																
ZZZZZZ			23:39																
ZZZZZZ			23:41																
ZZZZZZ			23:43																
ZZZZZZ			23:46																
ZZZZZZ			23:48																
CCV 480-90793/23	1		23:50	X	X	X													
CCB 480-90793/24	1		23:53	X	X	X													

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

Instrument ID: LEEMAN2 Method: 7470A

Start Date: 11/13/2012 12:53 End Date: 11/13/2012 14:42

Lab Sample ID	D / F	Type	Time	Analytes															
				Hg															
ICV 480-90658/1	1		12:53	X															
ICB 480-90658/2	1		12:54	X															
CRA 480-90658/3	1		12:56	X															
CCV 480-90658/4			12:58																
CCB 480-90658/5			12:59																
ZZZZZZ			13:03																
ZZZZZZ			13:04																
ZZZZZZ			13:07																
ZZZZZZ			13:09																
ZZZZZZ			13:10																
ZZZZZZ			13:13																
ZZZZZZ			13:15																
ZZZZZZ			13:16																
ZZZZZZ			13:18																
ZZZZZZ			13:19																
CCV 480-90658/16			13:21																
CCB 480-90658/17			13:23																
ZZZZZZ			13:24																
ZZZZZZ			13:26																
ZZZZZZ			13:28																
ZZZZZZ			13:29																
ZZZZZZ			13:31																
ZZZZZZ			13:33																
ZZZZZZ			13:35																
ZZZZZZ			13:37																
ZZZZZZ			13:39																
ZZZZZZ			13:40																
CCV 480-90658/28	1		13:42	X															
CCB 480-90658/29	1		13:44	X															
ZZZZZZ			13:45																
ZZZZZZ			13:47																
ZZZZZZ			13:49																
MB 480-90506/1-A	1	T	13:51	X															
LCS 480-90506/2-A	1	T	13:52	X															
ZZZZZZ			13:54																
ZZZZZZ			13:56																
ZZZZZZ			13:57																
ZZZZZZ			13:59																
ZZZZZZ			14:01																
CCV 480-90658/40	1		14:03	X															
CCB 480-90658/41	1		14:05	X															
480-28155-1	1	T	14:07	X															

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

Instrument ID: LEEMAN2 Method: 7470A

Start Date: 11/13/2012 12:53 End Date: 11/13/2012 14:42

Lab Sample ID	D / F	T y p e	Time	Analytes															
				H g															
480-28155-2	1	T	14:09	X															
480-28155-2 SD	5	T	14:11	X															
480-28155-2 MS	1	T	14:12	X															
480-28155-2 MSD	1	T	14:14	X															
480-28155-3	1	T	14:17	X															
480-28155-4	1	T	14:18	X															
ZZZZZZ			14:20																
ZZZZZZ			14:21																
ZZZZZZ			14:23																
CCV 480-90658/52	1		14:25	X															
CCB 480-90658/53	1		14:26	X															
ZZZZZZ			14:29																
ZZZZZZ			14:30																
ZZZZZZ			14:32																
ZZZZZZ			14:33																
ZZZZZZ			14:35																
ZZZZZZ			14:37																
CRA 480-90658/60			14:38																
CCV 480-90658/61			14:40																
CCB 480-90658/62			14:42																

Prep Types
T = Total/NA

Run File: I1111212B

Instrument: ICAP1

Analyst: AMH

Data Review: *AMH 11/13/12*

Spikes IDs: 663502, 663489, 827402(Sn), 986484(Ag), 565444(TCLP), 827410 (Si)

Pipette IDs: 11-12-12-(1-7,8,10,13,14)

Internal Standard:1043086

Seq#	Run File ID	Sample ID	Date / Time	Type
1	I1111212B	IC-1025739	11/12/2012 3:17:36PM	Standard
2	I1111212B	IC-1025818	11/12/2012 3:19:45PM	Standard
3	I1111212B	IC-1025816	11/12/2012 3:21:49PM	Standard
4	I1111212B	IC-1025807	11/12/2012 3:23:57PM	Standard
5	I1111212B	ICV-1043084	11/12/2012 3:26:02PM	QC
6	I1111212B	ICB-1025739	11/12/2012 3:28:05PM	QC
7	I1111212B	CRI-1043085	11/12/2012 3:30:14PM	QC
8	I1111212B	ICSA-1032685	11/12/2012 3:32:23PM	QC
9	I1111212B	ICSAB-1019579	11/12/2012 3:34:42PM	QC
10	I1111212B	CCV-1022412	11/12/2012 3:36:54PM	QC
11	I1111212B	CCB-1025739	11/12/2012 3:39:01PM	QC
12	I1111212B	MB 480-90050/1-A	11/12/2012 3:41:11PM	Unknown
13	I1111212B	LCS 480-90050/2-A	11/12/2012 3:43:21PM	Unknown
14	I1111212B	480-28137-E-2-A	11/12/2012 3:45:26PM	Unknown
15	I1111212B	CCV	11/12/2012 3:47:45PM	QC
16	I1111212B	CCB	11/12/2012 3:49:52PM	QC
17	I1111212B	480-28137-E-3-A	11/12/2012 3:52:05PM	Unknown
18	I1111212B	480-28137-E-4-A	11/12/2012 3:54:21PM	Unknown
19	I1111212B	480-28137-E-5-A	11/12/2012 3:56:37PM	Unknown
20	I1111212B	480-28137-E-6-A	11/12/2012 3:58:59PM	Unknown
21	I1111212B	480-28137-E-7-A	11/12/2012 4:01:22PM	Unknown
22	I1111212B	480-28137-E-8-A	11/12/2012 4:03:32PM	Unknown
23	I1111212B	480-28137-E-9-A	11/12/2012 4:05:48PM	Unknown
24	I1111212B	480-28137-E-10-A	11/12/2012 4:07:56PM	Unknown
25	I1111212B	480-28137-E-11-A	11/12/2012 4:10:04PM	Unknown
26	I1111212B	480-28137-E-12-A	11/12/2012 4:12:20PM	Unknown
27	I1111212B	CCV	11/12/2012 4:14:29PM	QC
28	I1111212B	CCB	11/12/2012 4:16:35PM	QC
29	I1111212B	480-28137-E-13-A	11/12/2012 4:18:47PM	Unknown
30	I1111212B	480-28144-C-1-A	11/12/2012 4:21:03PM	Unknown
31	I1111212B	480-28140-C-1-A	11/12/2012 4:23:19PM	Unknown
32	I1111212B	480-28140-C-1-A SD@5	11/12/2012 4:25:26PM	Unknown
33	I1111212B	480-28140-C-1-A PDS	11/12/2012 4:27:33PM	Unknown
34	I1111212B	480-28140-C-1-B MS	11/12/2012 4:29:38PM	Unknown
35	I1111212B	480-28140-C-1-C MSD	11/12/2012 4:31:44PM	Unknown
36	I1111212B	480-28140-C-2-A	11/12/2012 4:33:49PM	Unknown
37	I1111212B	480-28111-A-1-A	11/12/2012 4:35:56PM	Unknown
38	I1111212B	480-28116-A-1-A	11/12/2012 4:38:03PM	Unknown
39	I1111212B	CCV	11/12/2012 4:40:17PM	QC
40	I1111212B	CCB	11/12/2012 4:42:24PM	QC
41	I1111212B	480-28124-B-1-A	11/12/2012 4:44:35PM	Unknown

42	I1111212B	480-28126-A-2-A	11/12/2012	4:46:48PM	Unknown
43	I1111212B	480-27894-A-8-B	11/12/2012	4:48:55PM	Unknown
44	I1111212B	MB 480-90035/1-B	11/12/2012	4:51:13PM	Unknown
45	I1111212B	LCS 480-90035/2-B	11/12/2012	4:53:22PM	Unknown
46	I1111212B	480-27977-B-1-A	11/12/2012	4:55:28PM	Unknown
47	I1111212B	480-27977-B-2-A	11/12/2012	4:57:33PM	Unknown
48	I1111212B	480-27977-B-3-A	11/12/2012	4:59:42PM	Unknown
49	I1111212B	480-27977-B-3-A SD@5	11/12/2012	5:01:52PM	Unknown
50	I1111212B	480-27977-B-3-A PDS	11/12/2012	5:04:06PM	Unknown
51	I1111212B	CCV	11/12/2012	5:06:21PM	QC
52	I1111212B	CCB	11/12/2012	5:08:32PM	QC
53	I1111212B	480-27977-B-3-B MS	11/12/2012	5:10:46PM	Unknown
54	I1111212B	480-27977-B-3-C MSD	11/12/2012	5:12:52PM	Unknown
55	I1111212B	480-27977-B-4-A	11/12/2012	5:14:57PM	Unknown
56	I1111212B	480-27977-B-5-A	11/12/2012	5:17:09PM	Unknown
57	I1111212B	480-27977-B-6-A	11/12/2012	5:19:14PM	Unknown
58	I1111212B	480-27977-B-7-A	11/12/2012	5:21:20PM	Unknown
59	I1111212B	480-27977-B-8-A	11/12/2012	5:23:25PM	Unknown
60	I1111212B	480-27977-B-9-A	11/12/2012	5:25:32PM	Unknown
61	I1111212B	480-27977-B-10-A	11/12/2012	5:27:36PM	Unknown
62	I1111212B	480-27977-B-11-A	11/12/2012	5:29:40PM	Unknown
63	I1111212B	CCV	11/12/2012	5:31:46PM	QC
64	I1111212B	CCB	11/12/2012	5:33:54PM	QC
65	I1111212B	480-27977-H-12-A	11/12/2012	5:36:06PM	Unknown
66	I1111212B	480-28006-C-1-B	11/12/2012	5:38:13PM	Unknown
67	I1111212B	480-28006-C-2-B	11/12/2012	5:40:27PM	Unknown
68	I1111212B	480-28006-C-3-B	11/12/2012	5:42:39PM	Unknown
69	I1111212B	480-28006-C-4-B	11/12/2012	5:44:47PM	Unknown
70	I1111212B	480-28006-C-5-A	11/12/2012	5:47:11PM	Unknown
71	I1111212B	480-28006-C-6-D	11/12/2012	5:49:23PM	Unknown
72	I1111212B	480-27576-B-3-C	11/12/2012	5:51:35PM	Unknown
73	I1111212B	480-27576-B-5-C	11/12/2012	5:53:41PM	Unknown
74	I1111212B	MB 480-90045/1-A	11/12/2012	5:55:48PM	Unknown
75	I1111212B	CCV	11/12/2012	5:58:00PM	QC
76	I1111212B	CCB	11/12/2012	6:00:08PM	QC
77	I1111212B	LCS 480-90045/2-A	11/12/2012	6:02:19PM	Unknown
78	I1111212B	480-28080-D-2-A	11/12/2012	6:04:26PM	Unknown
79	I1111212B	480-28080-D-3-A	11/12/2012	6:06:30PM	Unknown
80	I1111212B	480-28080-D-4-A	11/12/2012	6:08:41PM	Unknown
81	I1111212B	480-28080-D-5-A	11/12/2012	6:10:54PM	Unknown
82	I1111212B	480-28080-D-6-A	11/12/2012	6:13:06PM	Unknown
83	I1111212B	480-28122-E-1-A	11/12/2012	6:15:12PM	Unknown
84	I1111212B	480-28122-E-2-A	11/12/2012	6:17:19PM	Unknown
85	I1111212B	480-28122-E-3-A	11/12/2012	6:19:24PM	Unknown
86	I1111212B	480-28122-E-4-A	11/12/2012	6:21:30PM	Unknown
87	I1111212B	CCV	11/12/2012	6:23:43PM	QC
88	I1111212B	CCB	11/12/2012	6:25:51PM	QC
89	I1111212B	480-28122-E-6-A	11/12/2012	6:28:04PM	Unknown
90	I1111212B	480-28122-E-7-A	11/12/2012	6:30:08PM	Unknown
91	I1111212B	480-28122-E-8-A	11/12/2012	6:32:13PM	Unknown

92	I1111212B	480-28122-E-10-A	11/12/2012	6:34:19PM	Unknown
93	I1111212B	480-28122-E-9-A	11/12/2012	6:36:22PM	Unknown
94	I1111212B	480-28107-E-1-A	11/12/2012	6:38:34PM	Unknown
95	I1111212B	480-28125-C-8-A	11/12/2012	6:41:02PM	Unknown
96	I1111212B	480-28125-C-8-A SD@5	11/12/2012	6:43:19PM	Unknown
97	I1111212B	480-28125-C-8-A PDS	11/12/2012	6:45:27PM	Unknown
98	I1111212B	480-28125-C-8-B MS	11/12/2012	6:47:47PM	Unknown
99	I1111212B	CCV	11/12/2012	6:50:09PM	QC
100	I1111212B	CCB	11/12/2012	6:52:17PM	QC
101	I1111212B	480-28125-C-8-C MSD	11/12/2012	6:54:31PM	Unknown
102	I1111212B	480-28125-C-18-A	11/12/2012	6:56:49PM	Unknown
103	I1111212B	480-28125-C-19-A	11/12/2012	6:58:55PM	Unknown
104	I1111212B	480-28103-D-1-A	11/12/2012	7:01:01PM	Unknown
105	I1111212B	480-28101-I-1-A	11/12/2012	7:03:06PM	Unknown
106	I1111212B	MB 480-90055/1-A	11/12/2012	7:05:24PM	Unknown
107	I1111212B	LCS 480-90055/2-A	11/12/2012	7:07:34PM	Unknown
108	I1111212B	480-28155-A-1-A	11/12/2012	7:09:40PM	Unknown
109	I1111212B	480-28155-A-2-A	11/12/2012	7:11:44PM	Unknown
110	I1111212B	480-28155-A-2-A SD@5	11/12/2012	7:13:52PM	Unknown
111	I1111212B	CCV	11/12/2012	7:16:01PM	QC
112	I1111212B	CCB	11/12/2012	7:18:09PM	QC
113	I1111212B	480-28155-A-2-A PDS	11/12/2012	7:20:25PM	Unknown
114	I1111212B	480-28155-A-2-B MS	11/12/2012	7:22:33PM	Unknown
115	I1111212B	480-28155-A-2-C MSD	11/12/2012	7:24:42PM	Unknown
116	I1111212B	480-28155-A-3-A	11/12/2012	7:26:49PM	Unknown
117	I1111212B	480-28155-A-4-A	11/12/2012	7:29:00PM	Unknown
118	I1111212B	480-28156-A-1-A	11/12/2012	7:31:05PM	Unknown
119	I1111212B	480-28156-A-2-A	11/12/2012	7:33:17PM	Unknown
120	I1111212B	480-28156-A-3-A	11/12/2012	7:35:32PM	Unknown
121	I1111212B	480-28156-A-5-A	11/12/2012	7:37:39PM	Unknown
122	I1111212B	480-28156-A-6-A	11/12/2012	7:39:43PM	Unknown
123	I1111212B	CCV	11/12/2012	7:42:13PM	QC
124	I1111212B	CCB	11/12/2012	7:44:21PM	QC
125	I1111212B	480-28156-A-7-A	11/12/2012	7:46:32PM	Unknown
126	I1111212B	480-28167-A-1-A	11/12/2012	7:48:42PM	Unknown
127	I1111212B	480-28167-A-2-A	11/12/2012	7:50:49PM	Unknown
128	I1111212B	480-28167-A-3-A	11/12/2012	7:52:51PM	Unknown
129	I1111212B	480-28167-A-4-A	11/12/2012	7:55:01PM	Unknown
130	I1111212B	480-28167-A-5-A	11/12/2012	7:57:07PM	Unknown
131	I1111212B	480-28167-A-6-A	11/12/2012	7:59:14PM	Unknown
132	I1111212B	480-28166-B-1-A	11/12/2012	8:01:18PM	Unknown
133	I1111212B	480-28166-B-2-A	11/12/2012	8:03:33PM	Unknown
134	I1111212B	480-28166-B-3-A	11/12/2012	8:05:40PM	Unknown
135	I1111212B	CCV	11/12/2012	8:07:53PM	QC
136	I1111212B	CCB	11/12/2012	8:10:02PM	QC
137	I1111212B	480-28161-G-1-A	11/12/2012	8:12:12PM	Unknown
138	I1111212B	MB 480-90035/3-B	11/12/2012	8:14:16PM	Unknown
139	I1111212B	LCS 480-90035/4-B	11/12/2012	8:16:26PM	Unknown
140	I1111212B	480-28080-A-1-A	11/12/2012	8:18:29PM	Unknown
141	I1111212B	480-28080-E-2-A	11/12/2012	8:20:28PM	Unknown

142	I1111212B	480-28080-E-3-A	11/12/2012	8:22:27PM	Unknown
143	I1111212B	480-28080-E-4-A	11/12/2012	8:24:32PM	Unknown
144	I1111212B	480-28080-E-5-A	11/12/2012	8:26:36PM	Unknown
145	I1111212B	480-28080-E-6-A	11/12/2012	8:28:43PM	Unknown
146	I1111212B	480-28131-F-1-A	11/12/2012	8:30:46PM	Unknown
147	I1111212B	CCV	11/12/2012	8:33:03PM	QC
148	I1111212B	CCB	11/12/2012	8:35:09PM	QC
149	I1111212B	480-28131-F-2-A	11/12/2012	8:37:16PM	Unknown
150	I1111212B	480-28131-F-3-A	11/12/2012	8:39:15PM	Unknown
151	I1111212B	480-28131-F-3-A SD@5	11/12/2012	8:41:14PM	Unknown
152	I1111212B	480-28131-F-3-A PDS	11/12/2012	8:43:14PM	Unknown
153	I1111212B	480-28131-F-3-B MS	11/12/2012	8:45:13PM	Unknown
154	I1111212B	480-28131-F-3-C MSD	11/12/2012	8:47:16PM	Unknown
155	I1111212B	480-28131-F-4-A	11/12/2012	8:49:20PM	Unknown
156	I1111212B	480-28131-F-5-A	11/12/2012	8:51:26PM	Unknown
157	I1111212B	480-28129-F-1-A	11/12/2012	8:53:36PM	Unknown
158	I1111212B	480-28129-F-2-A	11/12/2012	8:55:41PM	Unknown
159	I1111212B	CCV	11/12/2012	8:57:49PM	QC
160	I1111212B	CCB	11/12/2012	8:59:57PM	QC
161	I1111212B	480-28129-F-3-A	11/12/2012	9:02:08PM	Unknown
162	I1111212B	480-28129-F-4-A	11/12/2012	9:04:28PM	Unknown
163	I1111212B	480-28129-F-5-A	11/12/2012	9:07:11PM	Unknown
164	I1111212B	480-28129-F-6-A	11/12/2012	9:09:48PM	Unknown
165	I1111212B	480-28129-F-7-A	11/12/2012	9:12:04PM	Unknown
166	I1111212B	480-28129-F-8-A	11/12/2012	9:14:20PM	Unknown
167	I1111212B	480-28147-D-1-A	11/12/2012	9:16:40PM	Unknown
168	I1111212B	MB 480-90042/1-A	11/12/2012	9:18:51PM	Unknown
169	I1111212B	LCS 480-90042/2-A	11/12/2012	9:21:04PM	Unknown
170	I1111212B	480-28108-A-1-A	11/12/2012	9:23:08PM	Unknown
171	I1111212B	CCV	11/12/2012	9:25:18PM	QC
172	I1111212B	CCB	11/12/2012	9:27:30PM	QC
173	I1111212B	480-28108-A-2-A	11/12/2012	9:29:47PM	Unknown
174	I1111212B	480-28108-A-3-A	11/12/2012	9:31:55PM	Unknown
175	I1111212B	480-28108-A-3-A SD@5	11/12/2012	9:34:08PM	Unknown
176	I1111212B	480-28108-A-3-A PDS	11/12/2012	9:36:19PM	Unknown
177	I1111212B	480-28108-A-3-B MS	11/12/2012	9:38:27PM	Unknown
178	I1111212B	480-28108-A-3-C MSD	11/12/2012	9:40:34PM	Unknown
179	I1111212B	480-28110-F-1-A	11/12/2012	9:42:49PM	Unknown
180	I1111212B	480-28110-F-2-A	11/12/2012	9:45:16PM	Unknown
181	I1111212B	480-28110-E-3-A	11/12/2012	9:47:32PM	Unknown
182	I1111212B	480-28115-E-1-A	11/12/2012	9:49:50PM	Unknown
183	I1111212B	CCV	11/12/2012	9:51:54PM	QC
184	I1111212B	CCB	11/12/2012	9:53:58PM	QC
185	I1111212B	480-28115-E-2-A	11/12/2012	9:56:08PM	Unknown
186	I1111212B	480-28115-E-3-A	11/12/2012	9:58:17PM	Unknown
187	I1111212B	480-28115-E-5-A	11/12/2012	10:00:38PM	Unknown
188	I1111212B	480-28121-D-1-A	11/12/2012	10:02:51PM	Unknown
189	I1111212B	480-28121-D-2-A	11/12/2012	10:05:20PM	Unknown
190	I1111212B	480-28121-D-3-A	11/12/2012	10:07:34PM	Unknown
191	I1111212B	480-28121-D-4-A	11/12/2012	10:09:47PM	Unknown

192	I1111212B	480-28120-D-1-A	11/12/2012	10:12:06PM	Unknown
193	I1111212B	480-28120-D-2-A	11/12/2012	10:14:12PM	Unknown
194	I1111212B	480-28102-D-1-A	11/12/2012	10:16:25PM	Unknown
195	I1111212B	CCV	11/12/2012	10:19:05PM	QC
196	I1111212B	CCB	11/12/2012	10:21:26PM	QC
197	I1111212B	480-28102-D-2-B	11/12/2012	10:23:46PM	Unknown
198	I1111212B	480-28127-A-1-A	11/12/2012	10:26:08PM	Unknown
199	I1111212B	480-28127-A-3-A	11/12/2012	10:28:19PM	Unknown
200	I1111212B	MB 480-90035/7-B	11/12/2012	10:30:25PM	Unknown
201	I1111212B	LCS 480-90035/8-B	11/12/2012	10:32:30PM	Unknown
202	I1111212B	480-28005-F-1-C	11/12/2012	10:34:36PM	Unknown
203	I1111212B	480-28005-F-2-C	11/12/2012	10:36:52PM	Unknown
204	I1111212B	480-28005-F-3-C	11/12/2012	10:39:05PM	Unknown
205	I1111212B	480-28005-F-4-C	11/12/2012	10:41:19PM	Unknown
206	I1111212B	480-28005-F-5-C	11/12/2012	10:43:24PM	Unknown
207	I1111212B	CCV	11/12/2012	10:45:28PM	QC
208	I1111212B	CCB	11/12/2012	10:47:33PM	QC
209	I1111212B	480-28005-F-6-C	11/12/2012	10:49:43PM	Unknown
210	I1111212B	480-28005-F-7-C	11/12/2012	10:51:48PM	Unknown
211	I1111212B	480-28005-F-8-C	11/12/2012	10:53:54PM	Unknown
212	I1111212B	480-28005-F-9-C	11/12/2012	10:56:00PM	Unknown
213	I1111212B	480-28005-F-10-C	11/12/2012	10:58:05PM	Unknown
214	I1111212B	480-28005-F-11-C	11/12/2012	11:00:07PM	Unknown
215	I1111212B	480-28157-B-15-B	11/12/2012	11:02:15PM	Unknown
216	I1111212B	480-28157-B-16-B	11/12/2012	11:04:17PM	Unknown
217	I1111212B	480-28157-B-17-D	11/12/2012	11:06:20PM	Unknown
218	I1111212B	28157-B-17-D SD@5	11/12/2012	11:08:24PM	Unknown
219	I1111212B	CCV	11/12/2012	11:10:32PM	QC
220	I1111212B	CCB	11/12/2012	11:12:47PM	QC
221	I1111212B	480-28157-B-17-D PDS	11/12/2012	11:15:03PM	Unknown
222	I1111212B	480-28157-B-17-E MS	11/12/2012	11:17:06PM	Unknown
223	I1111212B	480-28157-B-17-F MSD	11/12/2012	11:19:09PM	Unknown
224	I1111212B	480-28157-B-18-B	11/12/2012	11:21:14PM	Unknown
225	I1111212B	480-28157-B-19-B	11/12/2012	11:23:19PM	Unknown
226	I1111212B	480-28157-B-20-B	11/12/2012	11:25:27PM	Unknown
227	I1111212B	480-28157-B-21-B	11/12/2012	11:27:38PM	Unknown
228	I1111212B	480-28157-B-22-B	11/12/2012	11:30:10PM	Unknown
229	I1111212B	480-28167-B-6-B	11/12/2012	11:32:39PM	Unknown
230	I1111212B	MB 480-90035/27-B	11/12/2012	11:34:51PM	Unknown
231	I1111212B	CCV	11/12/2012	11:37:07PM	QC
232	I1111212B	CCB	11/12/2012	11:39:19PM	QC
233	I1111212B	LCS 480-90035/28-B	11/12/2012	11:41:34PM	Unknown
234	I1111212B	480-28059-L-1-A	11/12/2012	11:43:43PM	Unknown
235	I1111212B	480-28059-L-1-A SD@5	11/12/2012	11:45:59PM	Unknown
236	I1111212B	480-28059-L-1-A PDS	11/12/2012	11:48:15PM	Unknown
237	I1111212B	480-28059-L-1-B MS	11/12/2012	11:50:39PM	Unknown
238	I1111212B	480-28059-L-1-C MSD	11/12/2012	11:53:00PM	Unknown
239	I1111212B	480-27667-C-3-E	11/12/2012	11:55:16PM	Unknown
240	I1111212B	27862-1 tot raw	11/12/2012	11:57:25PM	Unknown
241	I1111212B	27883-1 tot raw	11/12/2012	11:59:47PM	Unknown

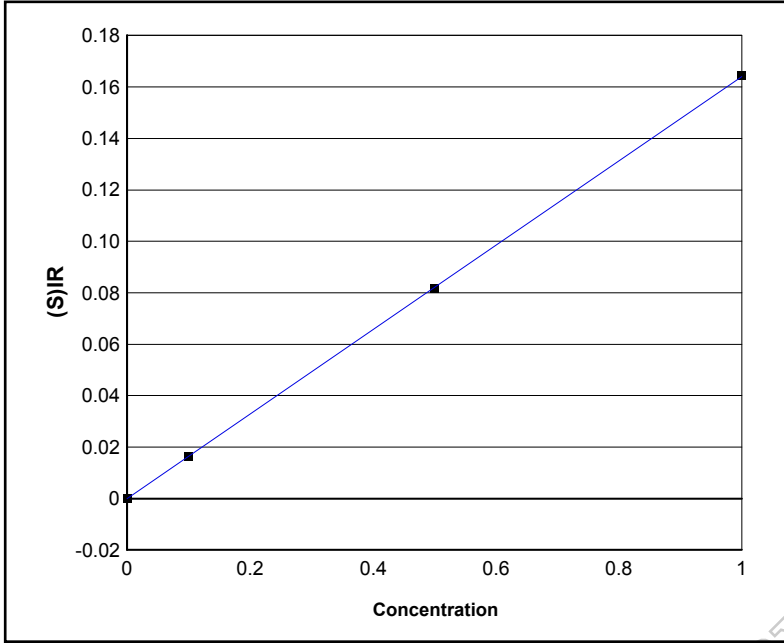
242	I1111212B	27903-1 tot raw	11/13/2012	12:01:54AM	Unknown
243	I1111212B	CCV	11/13/2012	12:04:02AM	QC
244	I1111212B	CCB	11/13/2012	12:06:13AM	QC
245	I1111212B	27903-5 tot raw	11/13/2012	12:08:28AM	Unknown
246	I1111212B	27975-5 dis raw	11/13/2012	12:10:36AM	Unknown
247	I1111212B	27832-2 tot raw	11/13/2012	12:12:48AM	Unknown
248	I1111212B	27832-4 tot raw	11/13/2012	12:14:54AM	Unknown
249	I1111212B	27832-6 tot raw	11/13/2012	12:17:02AM	Unknown
250	I1111212B	27846-1 tot raw	11/13/2012	12:19:11AM	Unknown
251	I1111212B	27875-9 tot raw	11/13/2012	12:21:17AM	Unknown
252	I1111212B	27741-13 tot raw	11/13/2012	12:23:31AM	Unknown
253	I1111212B	27741-1 tot raw	11/13/2012	12:25:51AM	Unknown
254	I1111212B	27777-4 tot raw	11/13/2012	12:28:09AM	Unknown
255	I1111212B	CCV	11/13/2012	12:30:20AM	QC
256	I1111212B	CCB	11/13/2012	12:32:30AM	QC
257	I1111212B	27778-12 tot raw	11/13/2012	12:34:40AM	Unknown
258	I1111212B	27778-16 tot raw	11/13/2012	12:36:47AM	Unknown
259	I1111212B	27778-3 tot raw	11/13/2012	12:38:56AM	Unknown
260	I1111212B	27876-3 dis raw	11/13/2012	12:41:06AM	Unknown
261	I1111212B	27876-6 dis raw	11/13/2012	12:43:43AM	Unknown
262	I1111212B	27876-5 dis raw	11/13/2012	12:45:55AM	Unknown
263	I1111212B	CCV	11/13/2012	12:48:15AM	QC
264	I1111212B	CCB	11/13/2012	12:50:26AM	QC

Preliminary

I1111212B

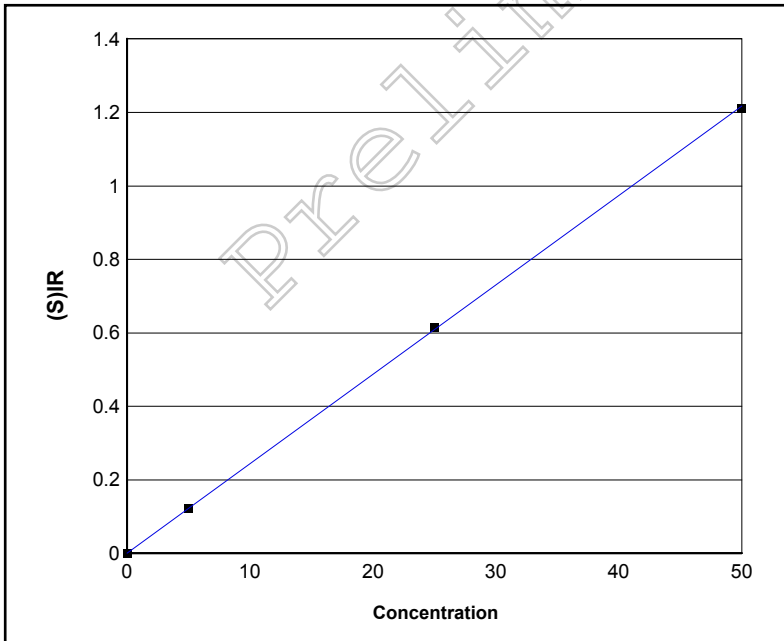
Author: AMH
 Published: 11/13/2012 12:58:33PM
 Instrument Name: ICAP 1
 Method Name: ICAP1 (378)

Serial Number: 20094603



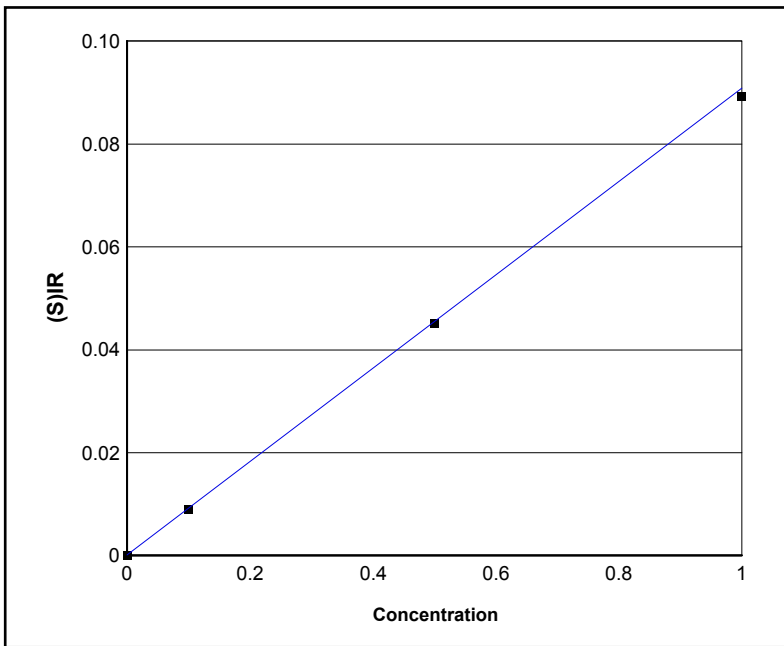
Element Name: Ag	
Element Wavelength: Ag 328.068 nm	
Concentration Units: ppm	
Date of Calibration: 11/12/2012 3:25:58PM	
Date of Fit: 11/12/2012 3:25:58PM	
Type of Fit: Linear	
Correlation: 0.99999	
A0 (Offset): -0.000081345	
A1 (Gain): 0.16419	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000007626	0.0000007626	0.00000	-0.000081220	0.00010156	1
IC4	1.0000	1.0024	0.0024428	0.24428	0.16451	0.00052466	1
IC2	0.10000	0.099352	-0.00064787	-0.64787	0.016231	0.00012089	1
IC3	0.50000	0.49821	-0.0017949	-0.35898	0.081719	0.00079740	1



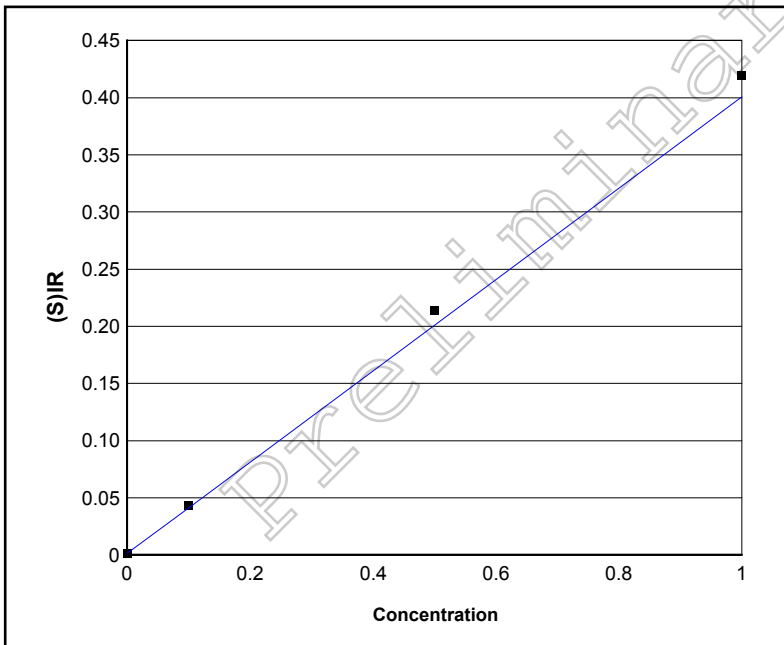
Element Name: Al	
Element Wavelength: Al 308.215 nm	
Concentration Units: ppm	
Date of Calibration: 11/12/2012 3:25:58PM	
Date of Fit: 11/12/2012 3:25:58PM	
Type of Fit: Linear	
Correlation: 0.99998	
A0 (Offset): 0.00076639	
A1 (Gain): 0.024320	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	-0.000022094	-0.000022094	0.00000	0.00076585	0.00028194	1
IC4	50.000	49.777	-0.22345	-0.44691	1.2113	0.0080101	1
IC2	5.0000	4.9997	-0.00031444	-0.0062889	0.12235	0.00098120	1
IC3	25.000	25.224	0.22377	0.89507	0.61419	0.0060116	1



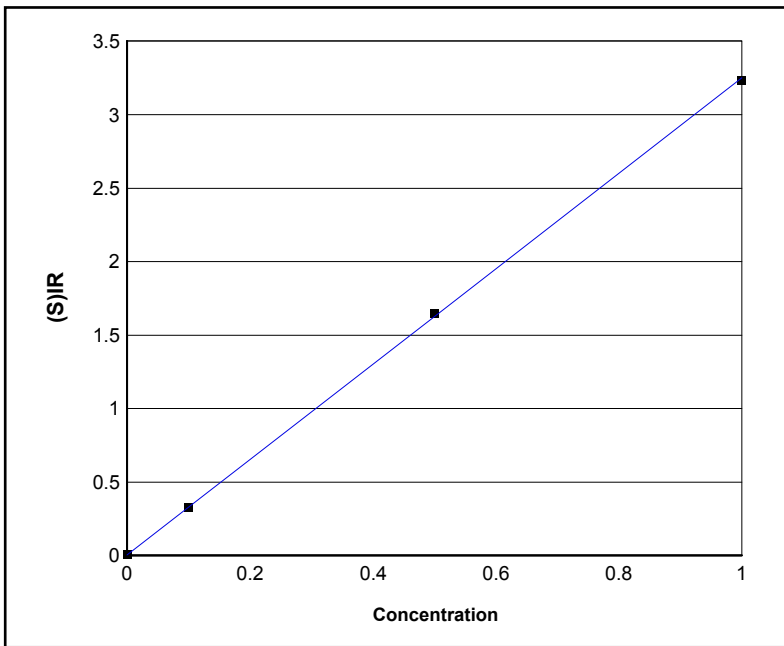
Element Name:	As	
Element Wavelength:	As 189.042 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99998	
A0 (Offset):	0.000090394	
A1 (Gain):	0.090746	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000111	-0.0000000111	0.00000	0.000090393	0.00019263	1
IC4	1.0000	0.99637	-0.0036272	-0.36272	0.089250	0.00026267	1
IC2	0.10000	0.099560	-0.00043954	-0.43954	0.0089994	0.00020298	1
IC3	0.50000	0.50407	0.0040668	0.81336	0.045204	0.0000034667	1



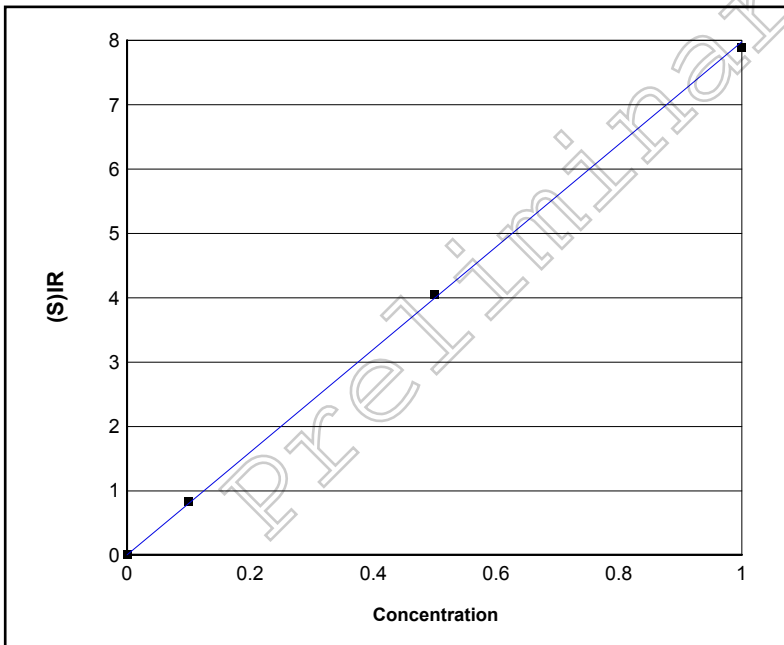
Element Name:	B	
Element Wavelength:	B 208.959 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99996	
A0 (Offset):	0.0013006	
A1 (Gain):	0.39925	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000010673	-0.0000010673	0.00000	0.0013002	0.00013281	1
IC4	1.0000	0.99307	-0.0069270	-0.69270	0.41918	0.00070193	1
IC2	0.10000	0.10047	0.00046829	0.46829	0.043552	0.000068797	1
IC3	0.50000	0.50646	0.0064587	1.2917	0.21420	0.00013014	1



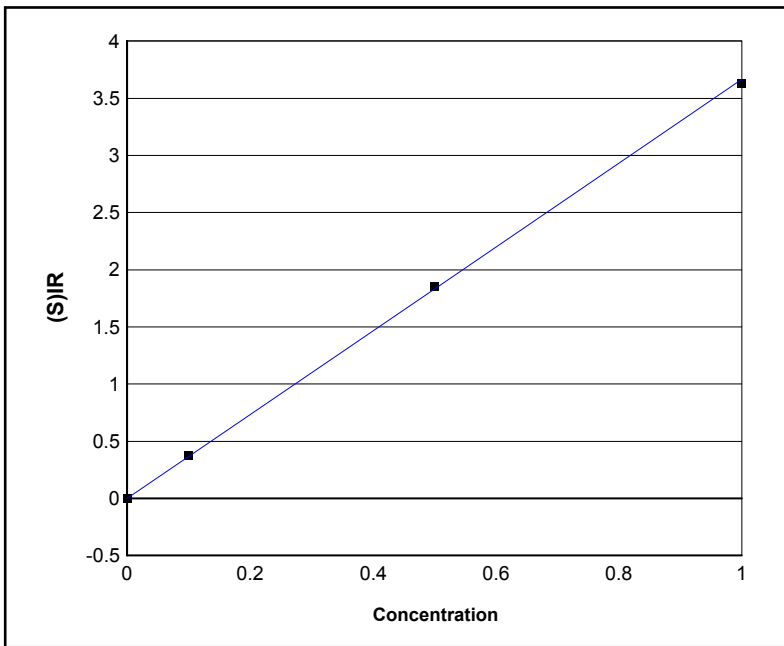
Element Name:	Ba	
Element Wavelength:	Ba 455.403 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99997	
A0 (Offset):	0.0041809	
A1 (Gain):	3.2453	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000009625	-0.0000009625	0.00000	0.0041778	0.00051885	1
IC4	1.0000	0.99400	-0.0059961	-0.59961	3.2304	0.030624	1
IC2	0.10000	0.10045	0.00045366	0.45366	0.33022	0.0021987	1
IC3	0.50000	0.50554	0.0055424	1.1085	1.6450	0.012303	1



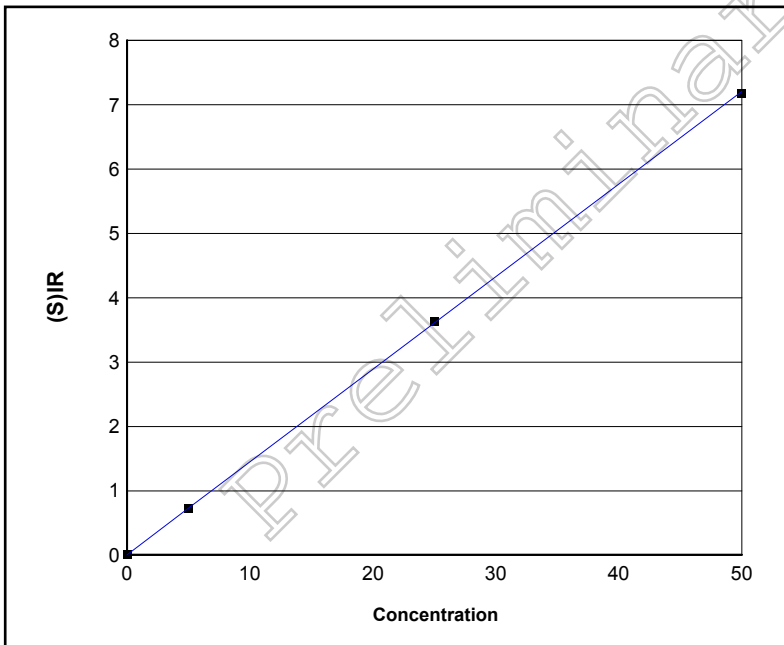
Element Name:	Ba	
Element Wavelength:	Ba 455.403 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99989	
A0 (Offset):	0.0015334	
A1 (Gain):	7.9793	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000036665	-0.0000036665	0.00000	0.0015042	0.000046569	1
IC4	1.0000	0.98878	-0.011225	-1.1225	7.8913	0.069964	1
IC2	0.10000	0.10318	0.0031800	3.1800	0.82484	0.00047987	1
IC3	0.50000	0.50804	0.0080446	1.6089	4.0554	0.022332	1



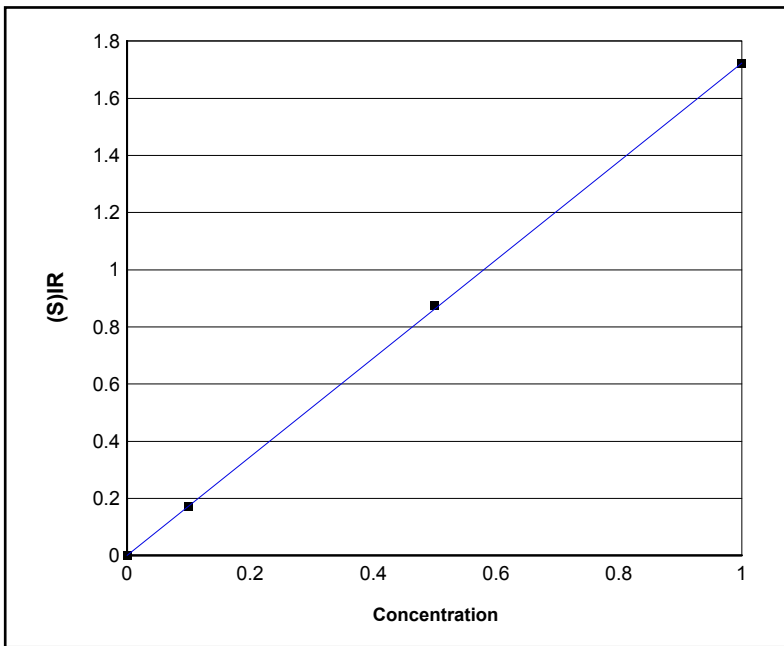
Element Name:	Be	
Element Wavelength:	Be 313.042 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99994	
A0 (Offset):	-0.000014702	
A1 (Gain):	3.6654	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000025207	-0.0000025207	0.00000	-0.000023941	0.00014218	1
IC4	1.0000	0.99130	-0.0086964	-0.86964	3.6330	0.016317	1
IC2	0.10000	0.10206	0.0020638	2.0638	0.37403	0.0019474	1
IC3	0.50000	0.50663	0.0066327	1.3265	1.8567	0.0065569	1



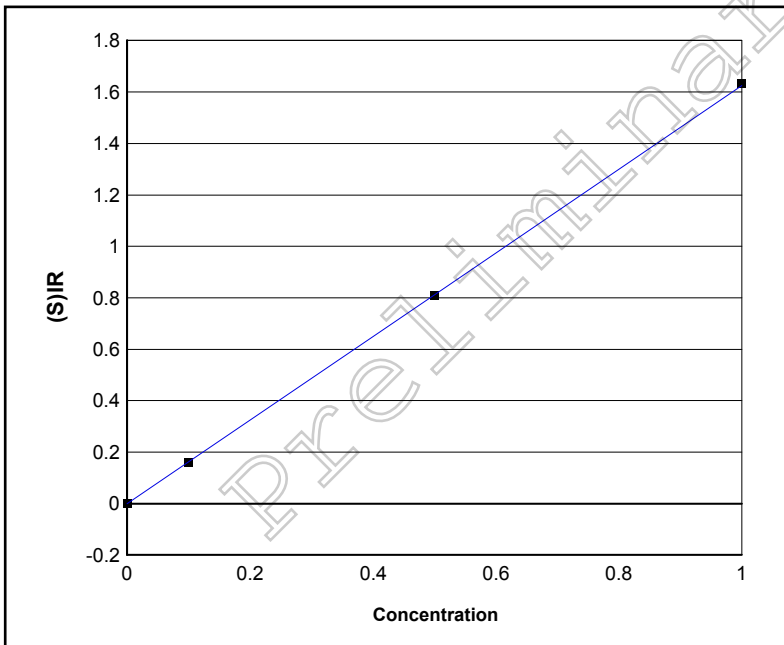
Element Name:	Ca	
Element Wavelength:	Ca 317.933 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99998	
A0 (Offset):	0.0049563	
A1 (Gain):	0.14409	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	-0.000054571	-0.000054571	0.00000	0.0049484	0.00014905	1
IC4	50.000	49.777	-0.22329	-0.44658	7.1771	0.040411	1
IC2	5.0000	5.0403	0.040302	0.80604	0.73120	0.0050987	1
IC3	25.000	25.183	0.18299	0.73195	3.6335	0.034617	1



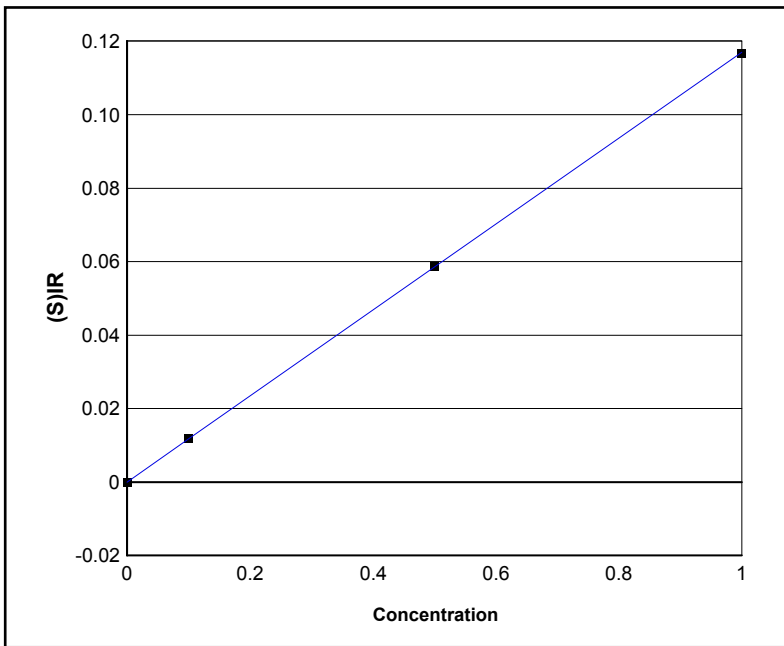
Element Name:	Cd	
Element Wavelength:	Cd 228.802 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99998	
A0 (Offset):	0.00072471	
A1 (Gain):	1.7221	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000003790	-0.0000003790	0.00000	0.00072405	0.000027574	1
IC4	1.0000	0.99506	-0.0049402	-0.49402	1.7205	0.0027939	1
IC2	0.10000	0.099856	-0.00014378	-0.14378	0.17331	0.00019072	1
IC3	0.50000	0.50508	0.0050839	1.0168	0.87362	0.00055658	1



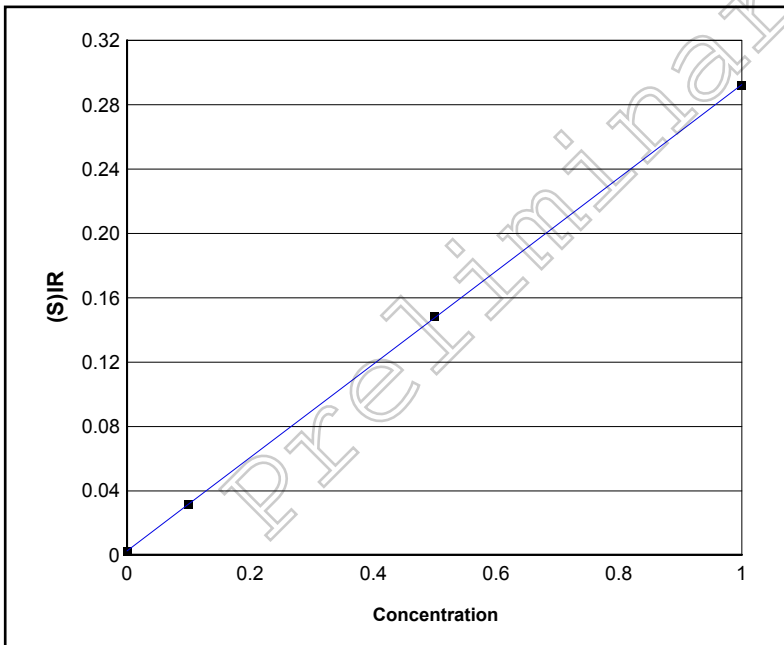
Element Name:	Co	
Element Wavelength:	Co 228.616 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99997	
A0 (Offset):	-0.00040957	
A1 (Gain):	1.6245	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000025939	0.0000025939	0.00000	-0.00040536	0.000093031	1
IC4	1.0000	1.0043	0.0042534	0.42534	1.6317	0.0016269	1
IC2	0.10000	0.097289	-0.0027107	-2.7107	0.15771	0.00011729	1
IC3	0.50000	0.49846	-0.0015427	-0.30855	0.80968	0.00010449	1



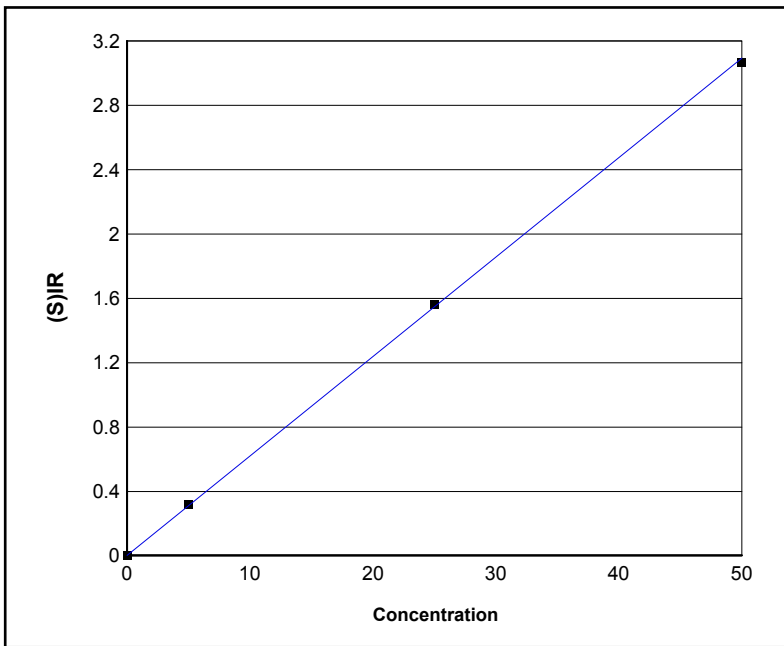
Element Name:	Cr	
Element Wavelength:	Cr 267.716 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99998	
A0 (Offset):	-0.000015445	
A1 (Gain):	0.11704	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000	18364	-0.00000	18364	0.000018276	1
IC4	1.0000	0.99656	-0.0034350	-0.34350	0.11659	0.00051922	1
IC2	0.10000	0.10187	0.0018661	1.8661	0.011904	0.000067081	1
IC3	0.50000	0.50157	0.0015690	0.31379	0.058672	0.00041159	1



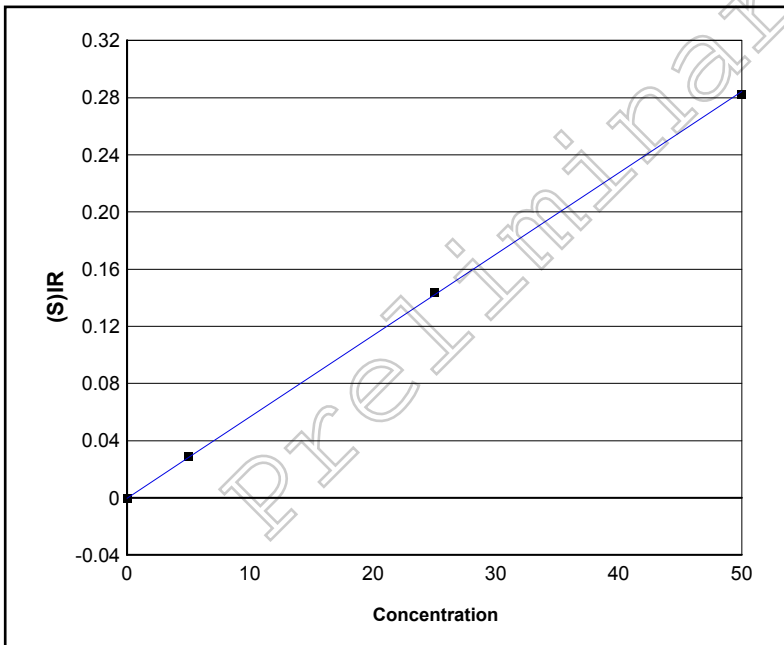
Element Name:	Cu	
Element Wavelength:	Cu 324.754 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	1.00000	
A0 (Offset):	0.0024755	
A1 (Gain):	0.29013	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000	1203	-0.00000	1203	0.000047366	1
IC4	1.0000	0.99809	-0.0019100	-0.19100	0.29206	0.00070675	1
IC2	0.10000	0.099912	-0.000088350	-0.088350	0.031463	0.000030621	1
IC3	0.50000	0.50200	0.0019983	0.39966	0.14812	0.0010553	1



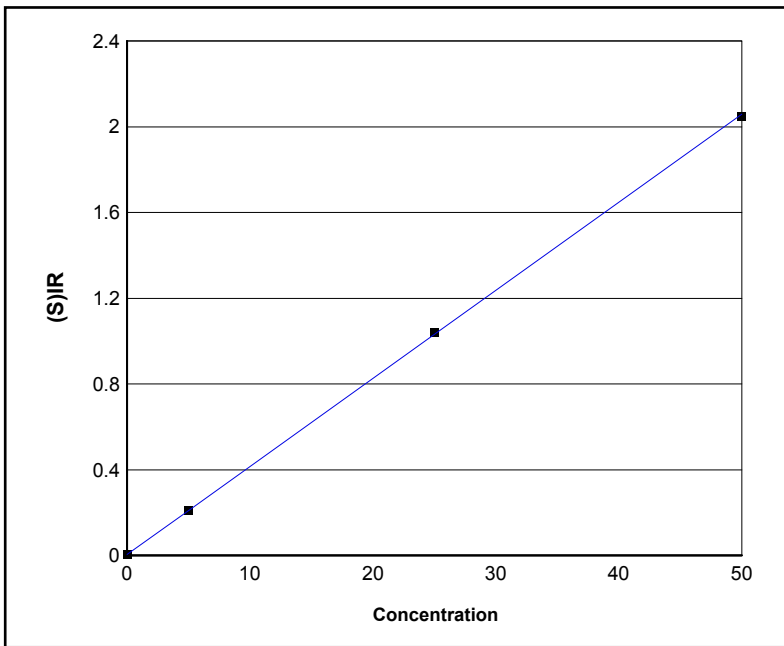
Element Name:	Fe	
Element Wavelength:	Fe 259.940 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99995	
A0 (Offset):	0.0000091153	
A1 (Gain):	0.061855	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	-0.00012287	-0.00012287	0.00000	0.0000015151	0.00012355	1
IC4	50.000	49.614	-0.38563	-0.77127	3.0689	0.0015429	1
IC2	5.0000	5.1054	0.10539	2.1077	0.31580	0.00082266	1
IC3	25.000	25.280	0.28025	1.1210	1.5637	0.0057698	1



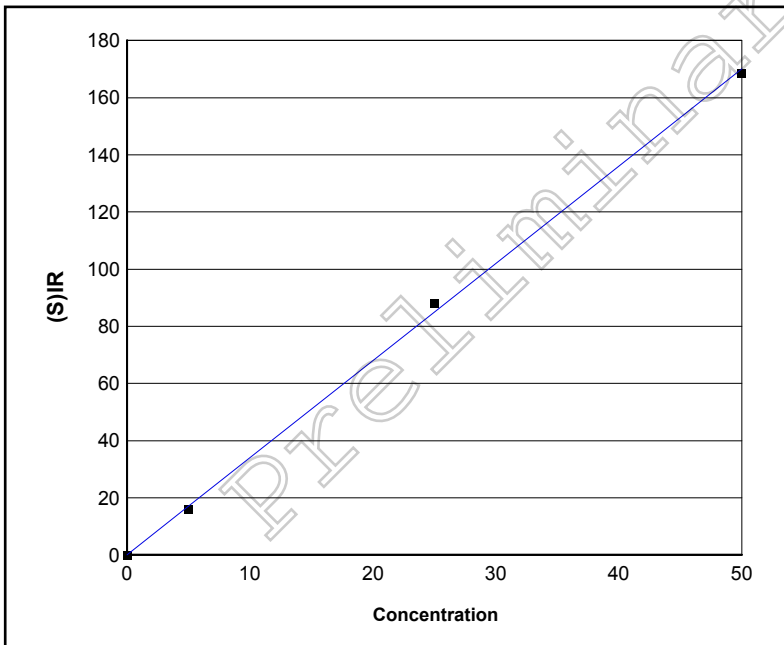
Element Name:	Fe	
Element Wavelength:	Fe 271.441 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99996	
A0 (Offset):	-0.00022359	
A1 (Gain):	0.0056924	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	-0.00012830	-0.00012830	0.00000	-0.00022432	0.00022160	1
IC4	50.000	49.666	-0.33396	-0.66791	0.28250	0.00072747	1
IC2	5.0000	5.1186	0.11863	2.3726	0.028914	0.00012708	1
IC3	25.000	25.215	0.21532	0.86130	0.14331	0.0012527	1



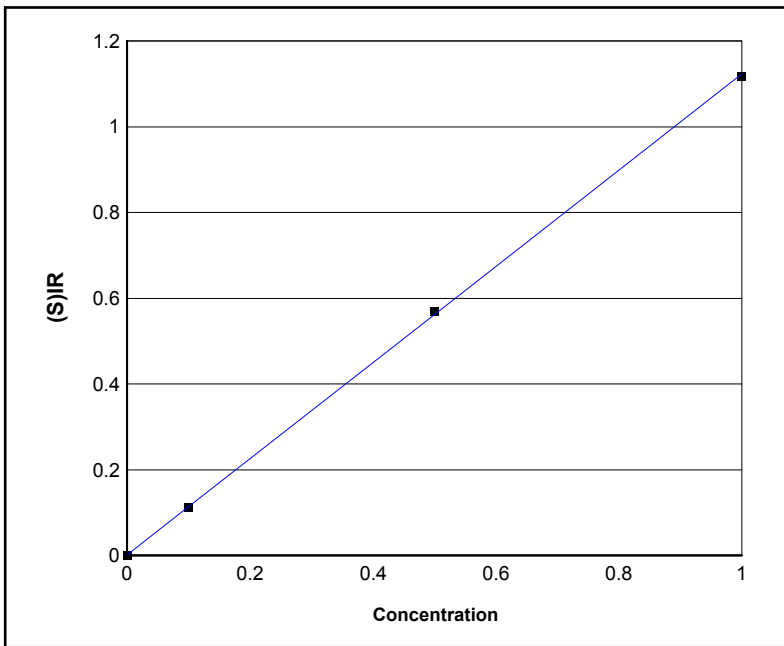
Element Name:	K	
Element Wavelength:	K 766.490 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99998	
A0 (Offset):	0.0045720	
A1 (Gain):	0.041077	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	-0.000028618	-0.000028618	0.00000	0.0045708	0.00023736	1
IC4	50.000	49.779	-0.22146	-0.44291	2.0493	0.0068363	1
IC2	5.0000	5.0081	0.0080911	0.16182	0.21029	0.0014932	1
IC3	25.000	25.213	0.21336	0.85346	1.0403	0.0029819	1



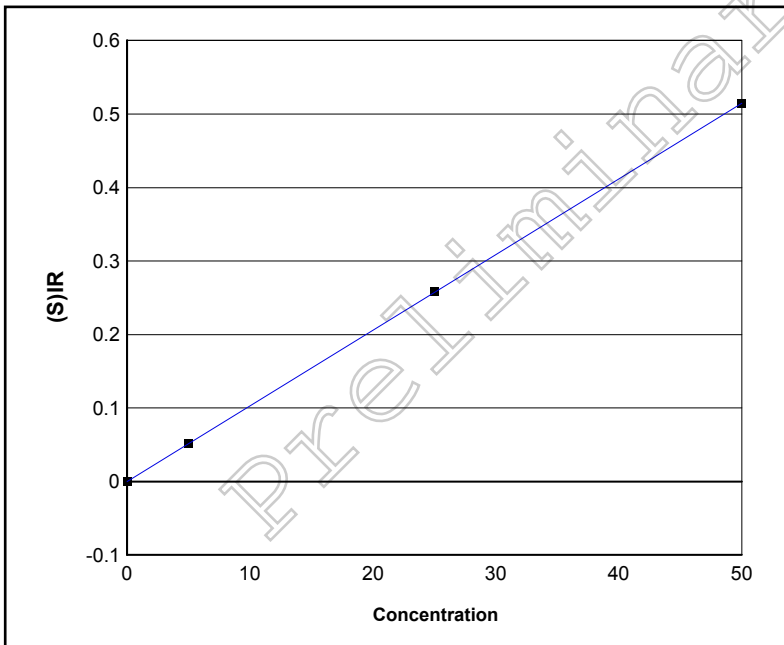
Element Name:	K	
Element Wavelength:	K 766.490 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99970	
A0 (Offset):	0.0086513	
A1 (Gain):	3.4026	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00018060	0.00018060	0.00000	0.0092658	0.00076238	1
IC4	50.000	49.483	-0.51702	-1.0340	168.38	0.91518	1
IC2	5.0000	4.7096	-0.29038	-5.8077	16.033	0.038068	1
IC3	25.000	25.807	0.80741	3.2296	87.820	2.4675	1



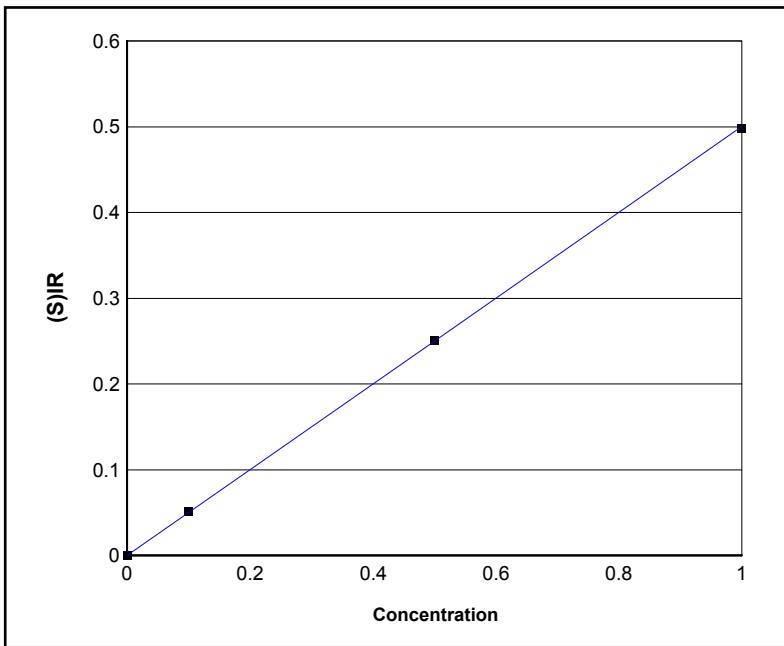
Element Name:	Li	
Element Wavelength:	Li 670.784 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99997	
A0 (Offset):	0.0011907	
A1 (Gain):	1.1224	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000001194	-0.0000001194	0.00000	0.0011905	0.00039393	1
IC2	0.10000	0.099531	-0.00046895	-0.46895	0.11290	0.00024132	1
IC3	0.50000	0.50541	0.0054150	1.0830	0.56847	0.0019787	1
IC4	1.0000	0.99505	-0.0049460	-0.49460	1.1180	0.0067115	1



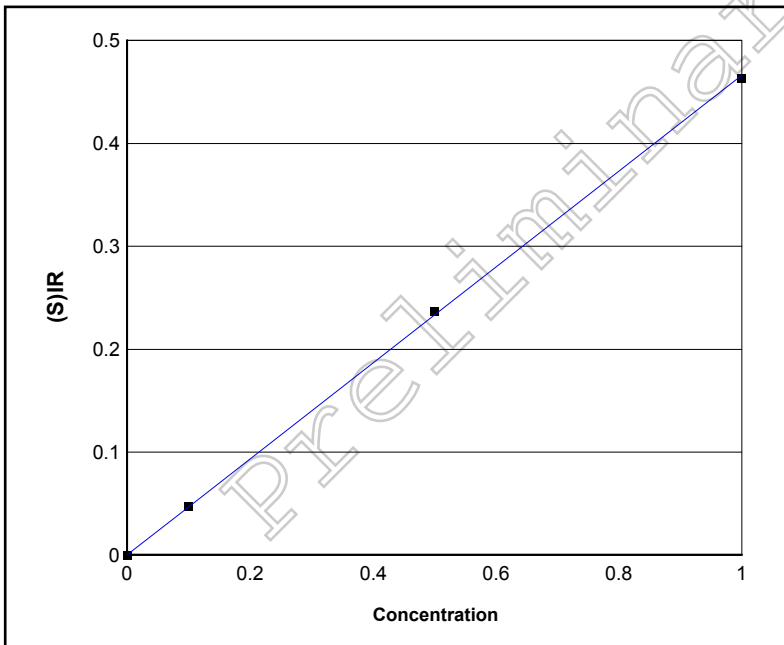
Element Name:	Mg	
Element Wavelength:	Mg 279.079 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99999	
A0 (Offset):	-0.000016132	
A1 (Gain):	0.010296	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	-0.000063108	-0.000063108	0.00000	-0.000016782	0.000040128	1
IC4	50.000	49.885	-0.11528	-0.23056	0.51360	0.0011647	1
IC2	5.0000	5.0645	0.064475	1.2895	0.052128	0.000042221	1
IC3	25.000	25.051	0.050804	0.20322	0.25791	0.0000015734	1



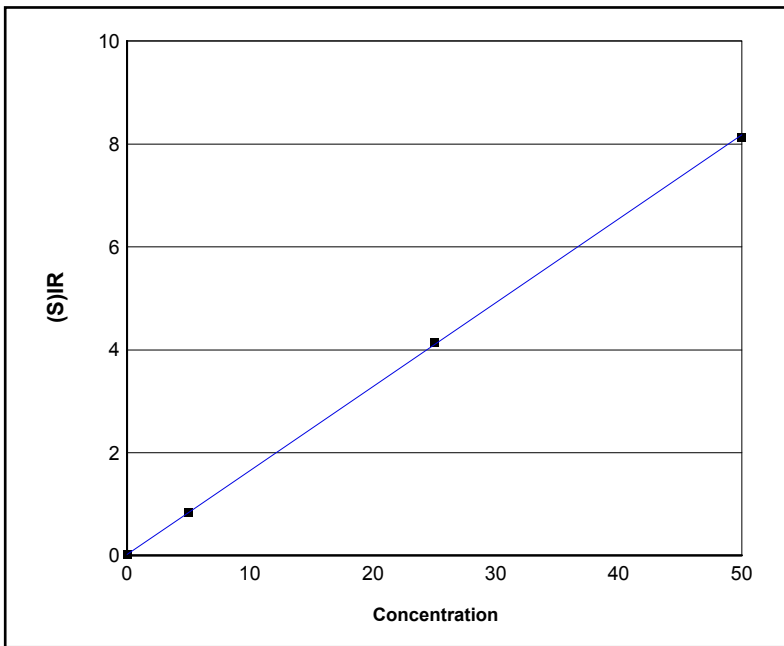
Element Name: Mn	
Element Wavelength: Mn 257.610 nm	
Concentration Units: ppm	
Date of Calibration: 11/12/2012 3:25:58PM	
Date of Fit: 11/12/2012 3:25:58PM	
Type of Fit: Linear	
Correlation: 0.99997	
A0 (Offset): 0.000017395	
A1 (Gain): 0.50031	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000025409	-0.0000025409	0.00000	0.000016124	0.000048598	1
IC4	1.0000	0.99518	-0.0048223	-0.48223	0.49791	0.00022091	1
IC2	0.10000	0.10257	0.0025733	2.5733	0.051335	0.000096946	1
IC3	0.50000	0.50225	0.0022490	0.44979	0.25130	0.00037360	1



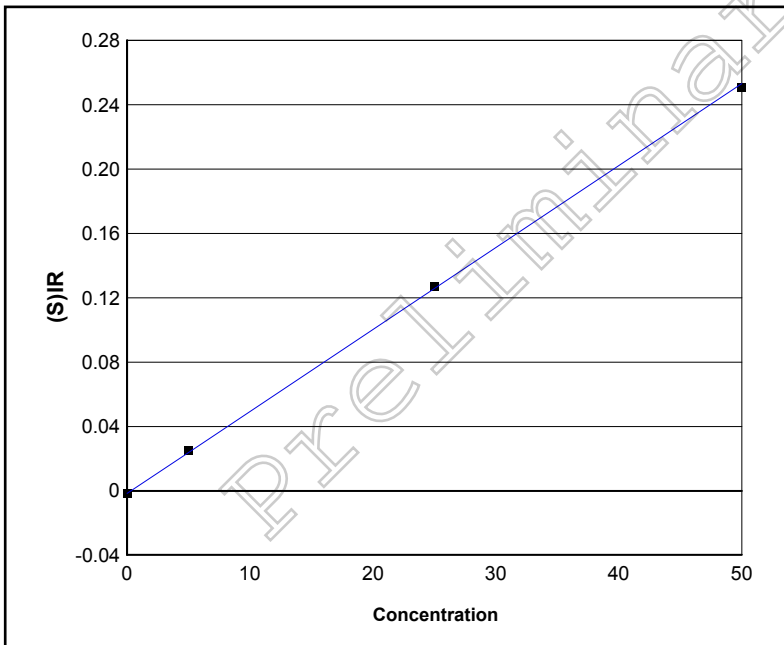
Element Name: Mo	
Element Wavelength: Mo 202.030 nm	
Concentration Units: ppm	
Date of Calibration: 11/12/2012 3:25:58PM	
Date of Fit: 11/12/2012 3:25:58PM	
Type of Fit: Linear	
Correlation: 0.99995	
A0 (Offset): 0.000055544	
A1 (Gain): 0.46635	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000010514	-0.0000010514	0.00000	0.000055053	0.00011746	1
IC4	1.0000	0.99271	-0.0072911	-0.72911	0.46301	0.0017116	1
IC2	0.10000	0.10040	0.00040286	0.40286	0.046879	0.00029701	1
IC3	0.50000	0.50689	0.0068882	1.3776	0.23645	0.000040163	1



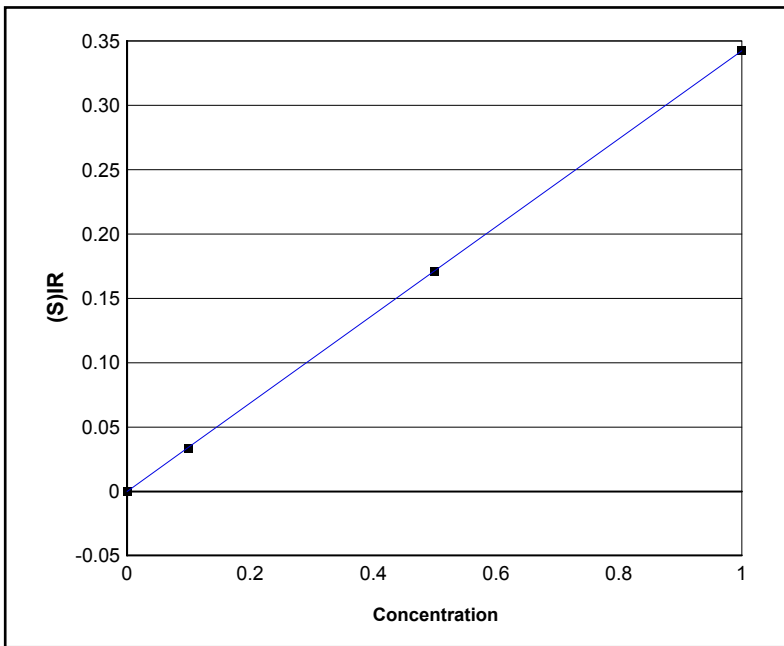
Element Name:	Na	
Element Wavelength:	Na 589.592 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99997	
A0 (Offset):	0.023499	
A1 (Gain):	0.16312	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	-0.000046357	-0.000046357	0.00000	0.023492	0.00010417	1
IC4	50.000	49.728	-0.27222	-0.54444	8.1349	0.031353	1
IC2	5.0000	5.0239	0.023919	0.47838	0.84298	0.0049553	1
IC3	25.000	25.248	0.24830	0.99320	4.1419	0.014989	1



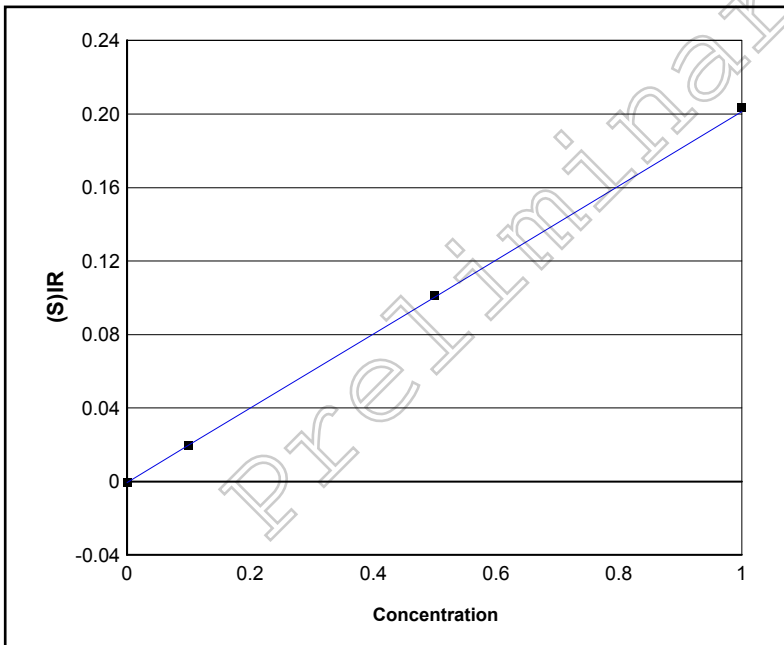
Element Name:	Na	
Element Wavelength:	Na 818.326 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99989	
A0 (Offset):	-0.0017433	
A1 (Gain):	0.0051005	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	-0.00021961	-0.00021961	0.00000	-0.0017445	0.00014388	1
IC4	50.000	49.499	-0.50136	-1.0027	0.25072	0.00052857	1
IC2	5.0000	5.2118	0.21184	4.2368	0.024840	0.00031975	1
IC3	25.000	25.290	0.28952	1.1581	0.12725	0.0014104	1



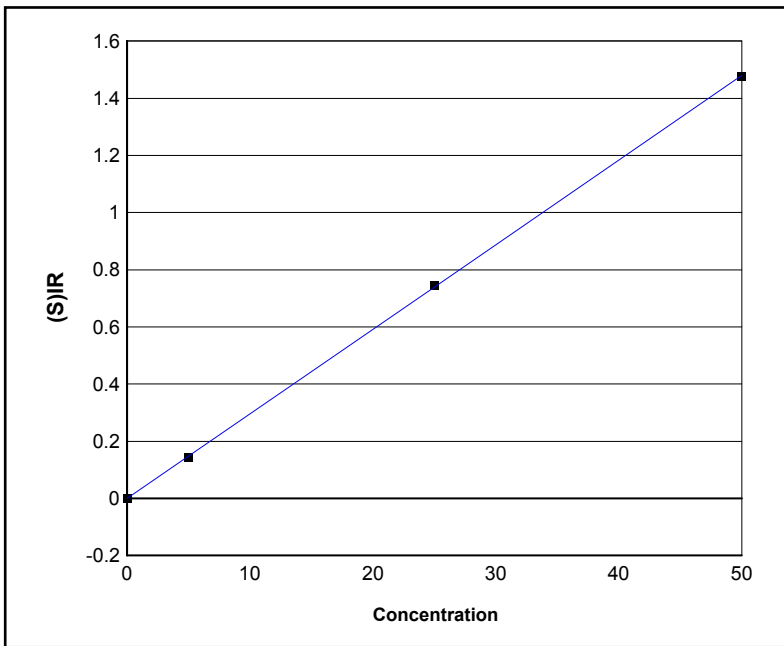
Element Name:	Ni	
Element Wavelength:	Ni 231.604 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99998	
A0 (Offset):	-0.00025305	
A1 (Gain):	0.34288	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000	20891	0.00000	-0.00025233	0.000091886	1
IC4	1.0000	1.0021	0.0021034	0.21034	0.34314	0.00043871	1
IC2	0.10000	0.097651	-0.0023485	-2.3485	0.033209	0.00012033	1
IC3	0.50000	0.50025	0.00024510	0.049020	0.17117	0.00030149	1



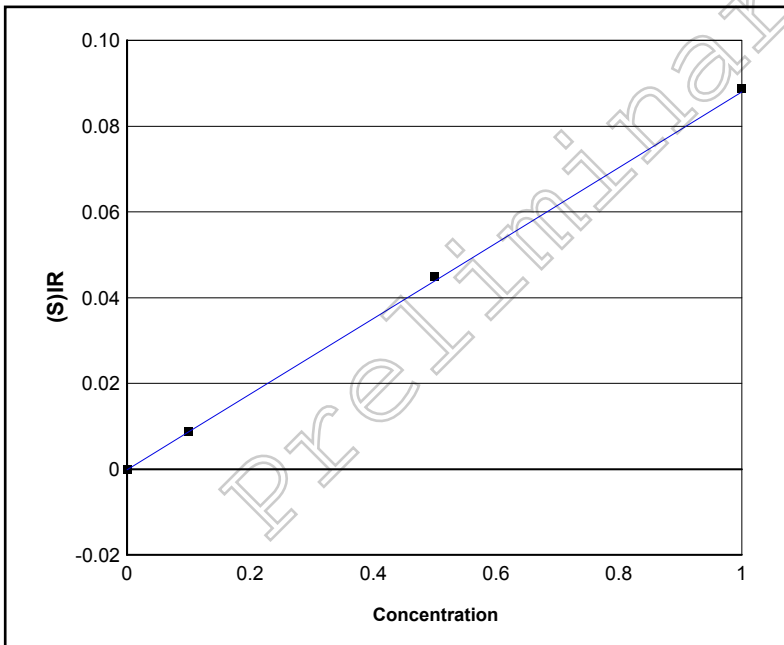
Element Name:	Pb	
Element Wavelength:	Pb 220.353 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99998	
A0 (Offset):	-0.00056653	
A1 (Gain):	0.20187	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000	19497	0.00000	-0.00056614	0.000017751	1
IC4	1.0000	1.0028	0.0028291	0.28291	0.20374	0.000046763	1
IC2	0.10000	0.097917	-0.0020835	-2.0835	0.019386	0.000044669	1
IC3	0.50000	0.49925	-0.00074567	-0.14913	0.10115	0.00036362	1



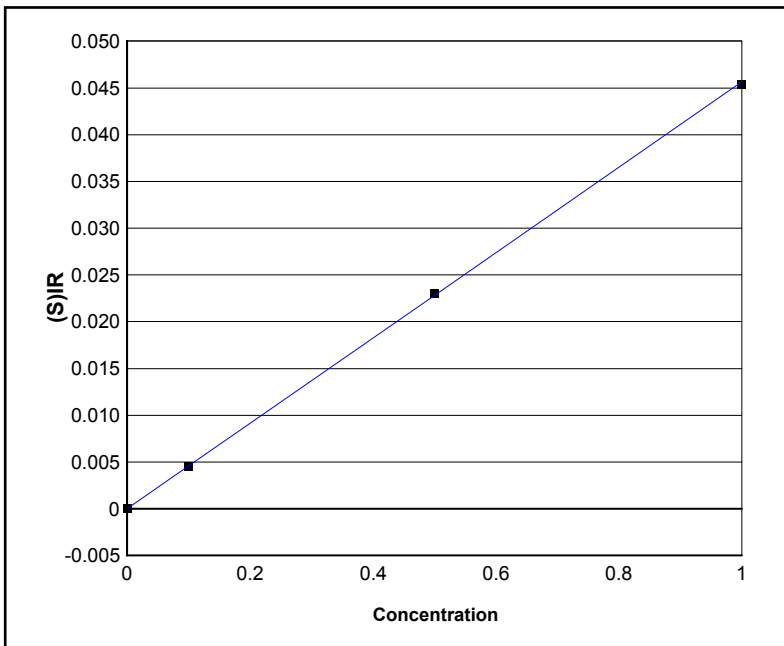
Element Name:	S	
Element Wavelength:	S 182.034 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	1.0000	
A0 (Offset):	-0.0001394	
A1 (Gain):	0.02961	
A2 (Curvature):	0.0000	
n (Exponent):	1.000	
	Reslope	QC Normalize
Slope:	1.000	Slope factor: 1.000
Y Int:	0.0000	Offset: 0.0000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.0000	0.00008722	0.00008722	0.0000	-0.0001368	0.00007462	1
IC2	5.000	4.881	-0.1188	-2.376	0.1444	0.0001781	1
IC3	25.00	25.20	0.1971	0.7885	0.7459	0.001677	1
IC4	50.00	49.92	-0.07832	-0.1566	1.478	0.002846	1



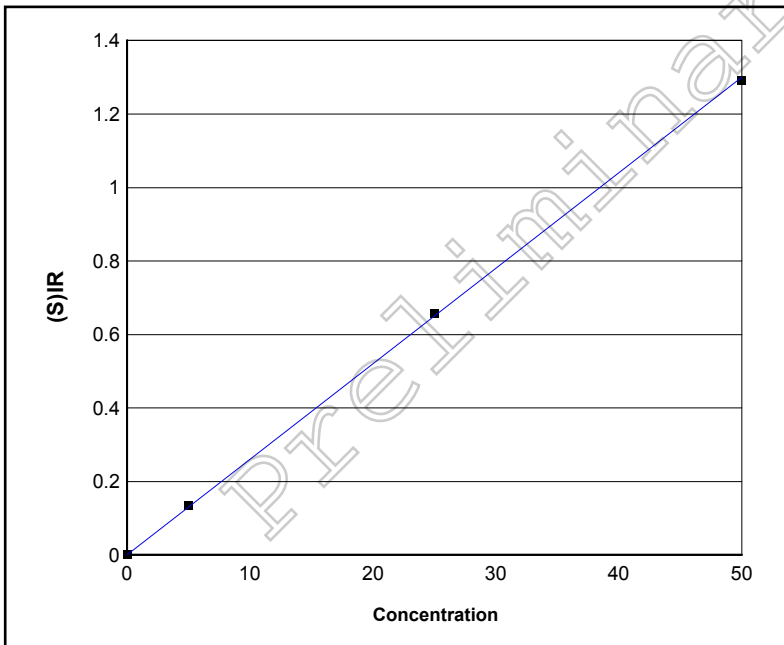
Element Name:	Sb	
Element Wavelength:	Sb 206.833 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99998	
A0 (Offset):	-0.00014534	
A1 (Gain):	0.088158	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000002289	-0.0000002289	0.00000	-0.00014536	0.00012226	1
IC4	1.0000	0.99523	-0.0047668	-0.47668	0.088941	0.00035135	1
IC2	0.10000	0.099690	-0.00030976	-0.30976	0.0087780	0.00017616	1
IC3	0.50000	0.50508	0.0050766	1.0153	0.045055	0.00017989	1



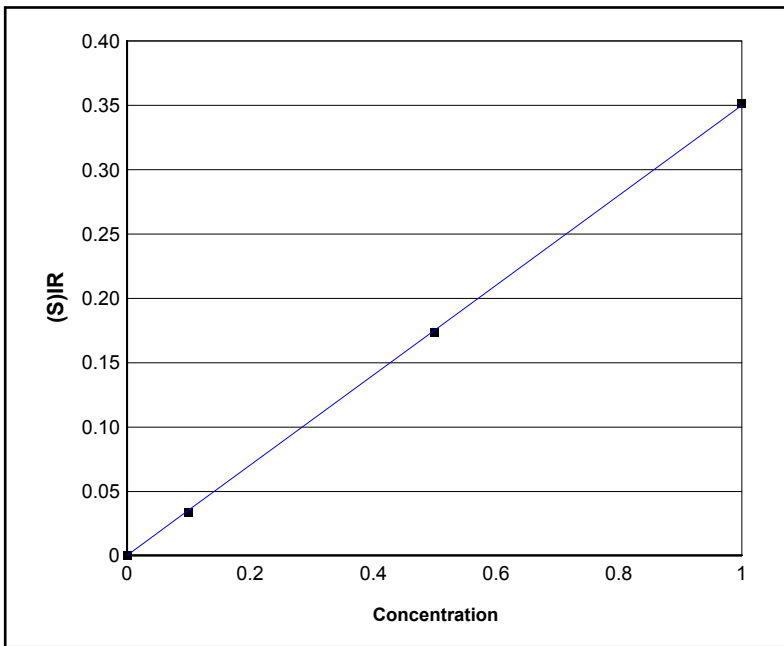
Element Name: Se	
Element Wavelength: Se 196.090 nm	
Concentration Units: ppm	
Date of Calibration: 11/12/2012 3:25:58PM	
Date of Fit: 11/12/2012 3:25:58PM	
Type of Fit: Linear	
Correlation: 0.99998	
A0 (Offset): -0.0000084928	
A1 (Gain): 0.045643	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000003112	0.0000003112	0.00000	-0.0000084786	0.0000045853	1
IC4	1.0000	0.99590	-0.0040958	-0.40958	0.045379	0.00024815	1
IC2	0.10000	0.099099	-0.00090100	-0.90100	0.0045079	0.00027751	1
IC3	0.50000	0.50500	0.0049968	0.99935	0.023007	0.00011853	1



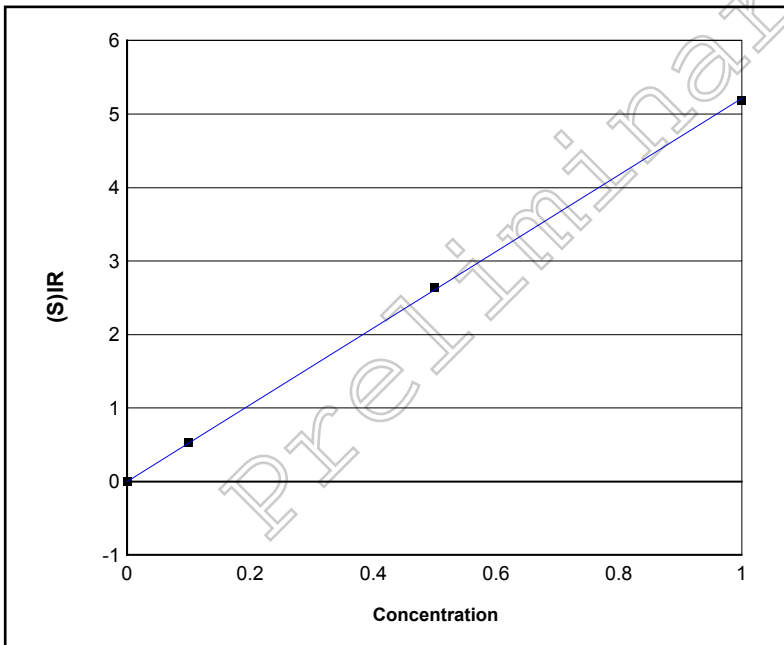
Element Name: Si	
Element Wavelength: Si 288.158 nm	
Concentration Units: ppm	
Date of Calibration: 11/12/2012 3:25:58PM	
Date of Fit: 11/12/2012 3:25:58PM	
Type of Fit: Linear	
Correlation: 0.99996	
A0 (Offset): 0.00067173	
A1 (Gain): 0.026003	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	-0.00011961	-0.00011961	0.00000	0.00066862	0.00021575	1
IC2	5.0000	5.1057	0.10572	2.1144	0.13349	0.0012470	1
IC3	25.000	25.245	0.24456	0.97825	0.65738	0.0062985	1
IC4	50.000	49.650	-0.35028	-0.70057	1.2923	0.0091985	1



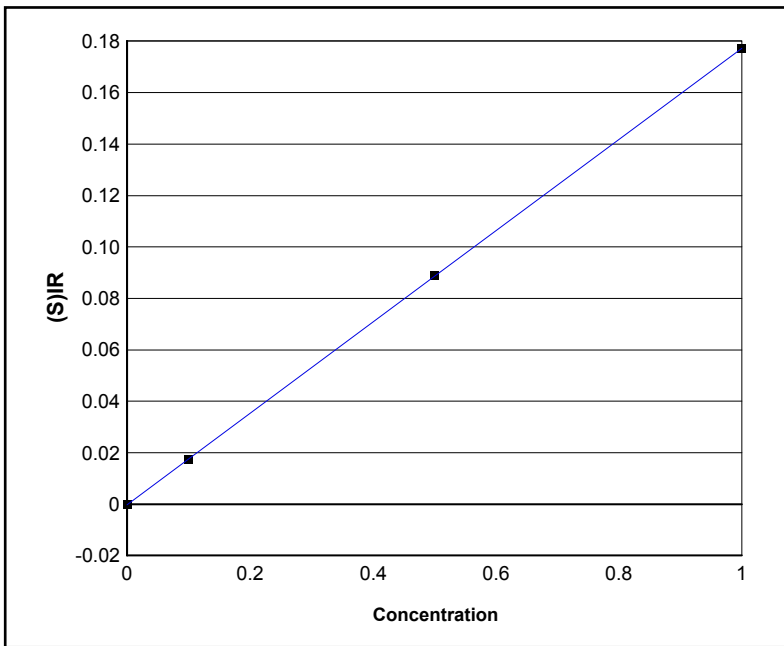
Element Name:	Sn	
Element Wavelength:	Sn 189.989 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99993	
A0 (Offset):	0.00024018	
A1 (Gain):	0.34978	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000039803	0.0000039803	0.00000	0.00024157	0.000066822	1
IC4	1.0000	1.0069	0.0069180	0.69180	0.35151	0.0000013175	1
IC2	0.10000	0.095889	-0.0041106	-4.1106	0.033687	0.00014857	1
IC3	0.50000	0.49719	-0.0028074	-0.56149	0.17368	0.0000083270	1



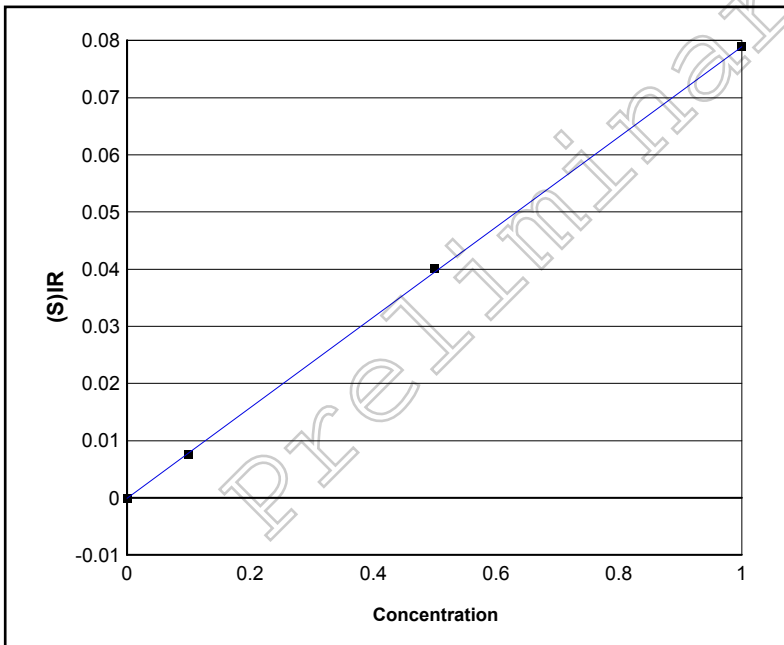
Element Name:	Sr	
Element Wavelength:	Sr 407.771 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99996	
A0 (Offset):	-0.0012426	
A1 (Gain):	5.2158	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000016930	-0.0000016930	0.00000	-0.0012515	0.00025563	1
IC2	0.10000	0.10126	0.0012618	1.2618	0.52692	0.0025036	1
IC3	0.50000	0.50557	0.0055741	1.1148	2.6357	0.0071018	1
IC4	1.0000	0.99316	-0.0068359	-0.68359	5.1789	0.027168	1



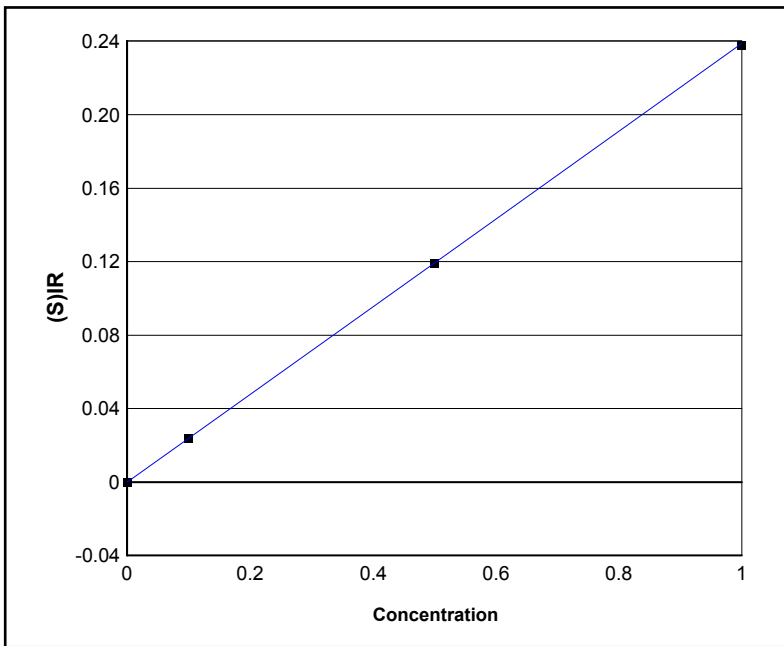
Element Name:	Ti	
Element Wavelength:	Ti 334.904 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99999	
A0 (Offset):	-0.00026201	
A1 (Gain):	0.17755	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000008550	0.0000008550	0.00000	-0.00026186	0.000029729	1
IC4	1.0000	0.99945	-0.00055085	-0.055085	0.17719	0.00068550	1
IC2	0.10000	0.098862	-0.0011377	-1.1377	0.017291	0.000078383	1
IC3	0.50000	0.50169	0.0016885	0.33770	0.088812	0.00042182	1



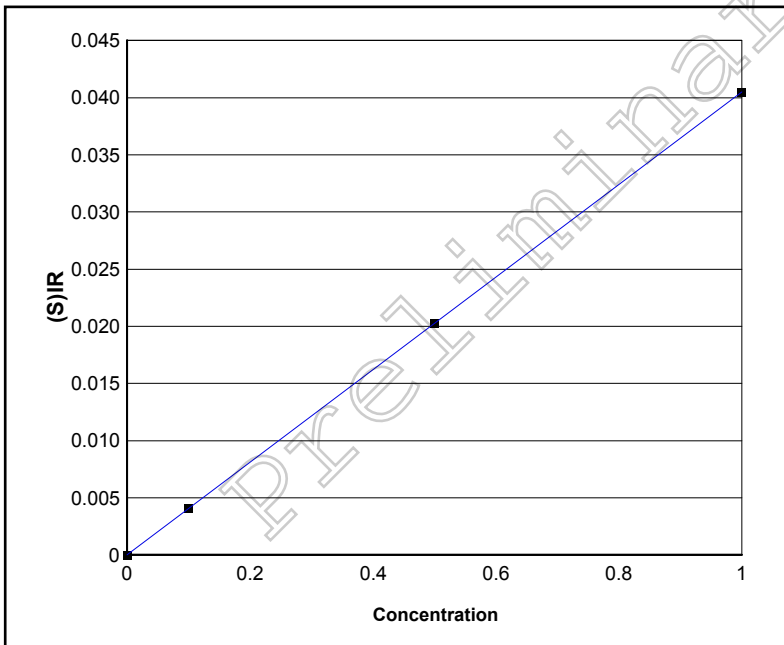
Element Name:	Ti	
Element Wavelength:	Ti 190.856 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	0.99995	
A0 (Offset):	-0.000045206	
A1 (Gain):	0.078960	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000019969	0.0000019969	0.00000	-0.000045049	0.00012923	1
IC4	1.0000	0.99659	-0.0034094	-0.34094	0.079053	0.00040385	1
IC2	0.10000	0.097078	-0.0029222	-2.9222	0.0076608	0.000084522	1
IC3	0.50000	0.50633	0.0063317	1.2663	0.040138	0.00024727	1



Element Name:	V	
Element Wavelength:	V 292.402 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	1.00000	
A0 (Offset):	-0.000015296	
A1 (Gain):	0.23868	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000016	-0.0000000016	0.00000	-0.000015297	0.000022963	1
IC4	1.0000	0.99873	-0.0012711	-0.12711	0.23737	0.0010033	1
IC2	0.10000	0.099843	-0.00015691	-0.15691	0.023716	0.00012926	1
IC3	0.50000	0.50143	0.0014280	0.28560	0.11917	0.00058164	1



Element Name:	Zn	
Element Wavelength:	Zn 206.200 nm	
Concentration Units:	ppm	
Date of Calibration:	11/12/2012 3:25:58PM	
Date of Fit:	11/12/2012 3:25:58PM	
Type of Fit:	Linear	
Correlation:	1.00000	
A0 (Offset):	0.0000011364	
A1 (Gain):	0.040522	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000009677	-0.0000009677	0.00000	0.0000010972	0.000028003	1
IC4	1.0000	0.99920	-0.00080454	-0.080454	0.040450	0.000014058	1
IC2	0.10000	0.10111	0.0011090	1.1090	0.0040942	0.000033857	1
IC3	0.50000	0.49970	-0.00030446	-0.060891	0.020229	0.00013101	1

Sample Name: IC1 Acquired: 11/12/2012 15:17:36 Type: Cal
 Method: ICAP1(v378) Mode: IR Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0008	.00077	.00009	.00130	.00418	.00150	-0.00002	.00495	.00072	-0.00041	-0.00002	.00248
Stddev	.00010	.00028	.00019	.00013	.00052	.00000	.00014	.00015	.00003	.00009	.00002	.00005
%RSD	125.04	36.814	213.10	10.215	12.419	.30960	593.88	3.0121	3.8083	22.950	116.71	1.9134

#1	-0.00001	.00057	-0.00005	.00121	.00454	.00150	-0.00012	.00484	.00074	-0.00047	.00000	.00251
#2	-0.00015	.00097	.00023	.00139	.00381	.00151	.00008	.00505	.00070	-0.00034	-0.00003	.00244

Elem	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00000	-0.00022	.00457	.00927	.00119	-0.00002	.00002	.00006	.02349	-0.00174	-0.00025	-0.00057
Stddev	.00012	.00022	.00024	.00076	.00039	.00004	.00005	.00012	.00010	.00014	.00009	.00002
%RSD	8154.5	98.787	5.1929	8.2279	33.089	239.12	301.41	213.35	.44342	8.2477	36.415	3.1355

#1	-0.00009	-0.00038	.00474	.00980	.00147	-0.00005	.00005	.00014	.02357	-0.00164	-0.00019	-0.00058
#2	.00009	-0.00007	.00440	.00873	.00091	.00001	-0.00002	-0.00003	.02342	-0.00185	-0.00032	-0.00055

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0001	-0.00015	-0.00001	.00067	.00024	-0.00125	-0.00026	-0.00005	-0.00002	.00000
Stddev	.0001	.00012	.00000	.00022	.00007	.00026	.00003	.00013	.00002	.00003
%RSD	54.55	84.110	54.081	32.267	27.661	20.426	11.353	286.87	150.12	2552.2

#1	-0.0001	-0.00006	-0.00001	.00052	.00019	-0.00107	-0.00024	.00005	.00000	.00002
#2	-0.0002	-0.00023	-0.00001	.00082	.00029	-0.00143	-0.00028	-0.00014	-0.00003	-0.00002

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3640.4	5100.8	53369.	10347.
Stddev	9.6	17.2	537.	14.
%RSD	.26373	.33720	1.0062	.13691

#1	3633.6	5088.6	52990.	10357.
#2	3647.2	5112.9	53749.	10337.

Preliminary Report

Sample Name: IC2 Acquired: 11/12/2012 15:19:45 Type: Cal
 Method: ICAP1(v378) Mode: IR Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.01623	.12235	.00900	.04355	.33022	.82484	.37403	.73120	.17331	.15771	.01190	.03146	.31580
Stddev	.00012	.00098	.00020	.00007	.00220	.00048	.00195	.00510	.00019	.00012	.00007	.00003	.00082
%RSD	.74480	.80193	2.2555	.15797	.66583	.05818	.52064	.69731	.11005	.07437	.56353	.09732	.26050

#1	.01615	.12305	.00914	.04360	.33178	.82518	.37541	.73480	.17317	.15779	.01186	.03149	.31638
#2	.01632	.12166	.00886	.04350	.32867	.82450	.37266	.72759	.17344	.15762	.01195	.03144	.31522

Elem	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203	S_1820	Sb2068
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02891	.21029	16.033	.11290	.05213	.05134	.04688	.84298	.02484	.03321	.01939	.1444	.00878
Stddev	.00013	.00149	.038	.00024	.00004	.00010	.00030	.00496	.00032	.00012	.00004	.0002	.00018
%RSD	.43952	.71006	.23742	.21374	.08100	.18885	.63357	.58783	1.2873	.36235	.23042	.1234	2.0068

#1	.02882	.21135	16.060	.11307	.05216	.05127	.04709	.84648	.02461	.03329	.01942	.1443	.00890
#2	.02900	.20923	16.007	.11273	.05210	.05140	.04667	.83947	.02507	.03312	.01935	.1445	.00865

Elem	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00451	.13349	.03369	.52692	.01729	.00766	.02372	.00409
Stddev	.00028	.00125	.00015	.00250	.00008	.00008	.00013	.00003
%RSD	6.1561	.93417	.44102	.47513	.45332	1.1033	.54502	.82696

#1	.00431	.13437	.03358	.52869	.01724	.00760	.02381	.00407
#2	.00470	.13261	.03379	.52515	.01735	.00772	.02362	.00412

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3485.9	4967.6	51202.	10114.
Stddev	3.3	6.2	76.	37.
%RSD	.09494	.12491	.14792	.36646

#1	3483.5	4963.2	51148.	10088.
#2	3488.2	4972.0	51255.	10140.

Preliminary Data

Sample Name: IC3 Acquired: 11/12/2012 15:21:49 Type: Cal
 Method: ICAP1(v378) Mode: IR Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.08172	.61419	.04520	.21420	1.6450	4.0554	1.8567	3.6335	.87362	.80968	.05867	.14812	1.5637
Stddev	.00080	.00601	.00000	.00013	.0123	.0223	.0066	.0346	.00056	.00010	.00041	.00106	.0058
%RSD	.97578	.97879	.00767	.06076	.74791	.55067	.35315	.95272	.06371	.01291	.70152	.71244	.36898

#1	.08228	.61844	.04521	.21411	1.6537	4.0396	1.8614	3.6580	.87401	.80961	.05896	.14887	1.5678
#2	.08116	.60994	.04520	.21429	1.6363	4.0712	1.8521	3.6090	.87323	.80976	.05838	.14738	1.5596

Elem	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203	S_1820	Sb2068
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.14331	1.0403	87.820	.56847	.25791	.25130	.23645	4.1419	.12725	.17117	.10115	.7459	.04506
Stddev	.00125	.0030	2.467	.00198	.00000	.00037	.00004	.0150	.00141	.00030	.00036	.0017	.00018
%RSD	.87408	.28665	2.8097	.34808	.00061	.14867	.01699	.36189	1.1084	.17614	.35949	.2248	.39926

#1	.14420	1.0424	89.565	.56987	.25791	.25103	.23642	4.1525	.12824	.17095	.10089	.7471	.04493
#2	.14243	1.0382	86.076	.56707	.25791	.25156	.23647	4.1313	.12625	.17138	.10141	.7447	.04518

Elem	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02301	.65738	.17368	2.6357	.08881	.04014	.11917	.02023
Stddev	.00012	.00630	.00001	.0071	.00042	.00025	.00058	.00013
%RSD	.51520	.95813	.00479	.26944	.47496	.61603	.48808	.64762

#1	.02309	.66183	.17368	2.6408	.08911	.03996	.11958	.02032
#2	.02292	.65292	.17369	2.6307	.08851	.04031	.11876	.02014

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3360.6	4962.2	50833.	10190.
Stddev	5	5.8	180.	162.
%RSD	.01542	.11689	.35490	1.5856

#1	3360.2	4958.1	50706.	10075.
#2	3361.0	4966.3	50961.	10304.

Preliminary Data

Sample Name: IC4 Acquired: 11/12/2012 15:23:57 Type: Cal
 Method: ICAP1(v378) Mode: IR Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	16451	1.2113	.08925	.41918	3.2304	7.8913	3.6330	7.1771	1.7205	1.6317	.11659	.29206	3.0689
Stddev	.00052	.0080	.00026	.00070	.0306	.0700	.0163	.0404	.0028	.0016	.00052	.00071	.0015
%RSD	.31892	.66129	.29431	.16746	.94800	.88660	.44913	.56306	.16239	.09970	.44534	.24199	.05027

#1	.16488	1.2056	.08944	.41967	3.2088	7.9408	3.6214	7.1485	1.7225	1.6305	.11696	.29256	3.0678
#2	.16414	1.2170	.08906	.41868	3.2521	7.8418	3.6445	7.2057	1.7185	1.6328	.11622	.29156	3.0700

Elem	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203	S_1820	Sb2068
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	28250	2.0493	168.38	1.1180	.51360	.49791	.46301	8.1349	.25072	.34314	.20374	1.478	.08894
Stddev	.00073	.0068	.92	.0067	.00116	.00022	.00171	.0314	.00053	.00044	.00005	.003	.00035
%RSD	.25751	.33359	.54352	.60029	.22676	.04437	.36967	.38542	.21082	.12785	.02295	.1926	.39504

#1	.28198	2.0445	169.03	1.1133	.51443	.49807	.46422	8.1127	.25110	.34283	.20370	1.480	.08919
#2	.28301	2.0542	167.73	1.1228	.51278	.49775	.46180	8.1570	.25035	.34345	.20377	1.476	.08869

Elem	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.04538	1.2923	.35151	5.1789	.17719	.07905	.23737	.04045
Stddev	.00025	.0092	.00000	.0272	.00069	.00040	.00100	.00001
%RSD	.54683	.71181	.00037	.52459	.38687	.51086	.42266	.03476

#1	.04520	1.2858	.35151	5.1597	.17670	.07934	.23808	.04046
#2	.04555	1.2988	.35151	5.1981	.17767	.07877	.23666	.04044

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3160.3	4824.4	48929.	9926.0
Stddev	3.3	14.8	7.	28.8
%RSD	.10498	.30603	.01351	.28970

#1	3158.0	4814.0	48924.	9905.7
#2	3162.7	4834.8	48934.	9946.3

Preliminary Data

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.38012	18.564	.37304	.37526	.39216	.37563	18.717	.37389	.36656	.38218	.38055	18.327	18.804
Stddev	.00685	.121	.00111	.00270	.00654	.00065	.149	.00146	.00064	.00687	.00592	.053	.069
%RSD	1.8016	.65356	.29716	.72004	1.6666	.17376	.79737	.39072	.17556	1.7969	1.5561	.29100	.36908

#1	.38496	18.650	.37382	.37717	.39678	.37609	18.822	.37492	.36701	.38704	.38474	18.364	18.853
#2	.37528	18.478	.37225	.37335	.38754	.37517	18.611	.37285	.36610	.37733	.37637	18.289	18.755

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.887	.37637	18.615	.38438	.37118	18.791	.36995	.37267	18.44	.38197	.37271	18.870	.37360
Stddev	.355	.00104	.326	.00796	.00122	.066	.00045	.00001	.01	.00027	.00721	.079	.00245
%RSD	1.8814	.27566	1.7532	2.0713	.32997	.35137	.12275	.00357	.0565	.07071	1.9333	.41769	.65484

#1	19.138	.37710	18.846	.39001	.37205	18.838	.37027	.37266	18.45	.38178	.37781	18.925	.37533
#2	18.635	.37563	18.384	.37875	.37032	18.744	.36963	.37268	18.44	.38216	.36762	18.814	.37187

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.37763	.38357	.37455	.37919	.38219
Stddev	.00137	.00623	.00218	.00626	.00320
%RSD	.36361	1.6245	.58323	1.6519	.83728

#1	.37860	.38797	.37610	.38362	.38445
#2	.37666	.37916	.37301	.37476	.37993

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3409.3	5005.7	50579.	10313.
Stddev	.3	.6	704.	71.
%RSD	.00970	.01201	1.3918	.68699

#1	3409.6	5006.1	50081.	10263.
#2	3409.1	5005.3	51077.	10363.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0034	.02628	.00180	.00194	.00012	-0.0004	-0.0023	-0.0006	.00002	.00012	-0.00056	.00151	.03290
Stddev	.00040	.00154	.00134	.00044	.00018	.00008	.00097	.00012	.00003	.00019	.00030	.00311	.01520
%RSD	117.20	5.8774	74.492	22.661	145.83	213.62	425.13	203.51	145.77	152.64	54.240	205.83	46.197

#1	-0.0063	.02737	.00085	.00225	.00025	.00002	.00046	.00003	.00000	-0.0001	-0.00035	.00371	.02215
#2	-0.0006	.02518	.00274	.00163	.00000	-0.0009	-0.00091	-0.00014	.00004	.00025	-0.00078	-0.00069	.04365

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00691	-0.0008	.01070	.00019	.00012	-0.02194	.00003	.00167	F .0046	.00063	-0.00128	.03182	-0.0006
Stddev	.00635	.00003	.01530	.00024	.00048	.00939	.00002	.00087	.0011	.00145	.00039	.01151	.00019
%RSD	91.910	34.364	142.99	128.23	412.54	42.821	61.556	52.169	23.01	230.68	30.177	36.167	338.87

#1	.01139	-0.0006	.02151	.00036	-0.0022	-0.02858	.00004	.00105	.0039	.00165	-0.0101	.02368	-0.00019
#2	.00242	-0.00010	-0.00012	.00002	.00045	-0.01529	.00001	.00228	.0054	-0.00040	-0.00156	.03996	.00008

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.0011	.00054	-0.0034	-0.0016
Stddev	.00007	.00048	.00030	.00011	.00020
%RSD	140.21	460.16	56.355	32.859	119.29

#1	.00000	.00024	.00075	-0.0026	-0.0030
#2	-0.0009	-0.00045	.00032	-0.00042	-0.0003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3650.9	5119.0	53093.	10313.
Stddev	8.7	14.5	108.	210.
%RSD	.23781	.28324	.20279	2.0337

#1	3657.0	5129.3	53017.	10461.
#2	3644.8	5108.8	53170.	10165.

Sample Name: CRI-1043085 Acquired: 11/12/2012 15:30:14 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00272	.21509	.01007	.02343	.00212	.00190	.51095	.00104	.00387	.00396	.00964	.05569
Stddev	.00025	.00011	.00181	.00017	.00000	.00012	.01419	.00006	.00023	.00055	.00044	.00124
%RSD	9.0186	.05162	17.963	.71304	.11169	6.5474	2.7771	5.9254	5.9532	13.878	4.5373	2.2289

#1	.00254	.21517	.00879	.02355	.00212	.00181	.50092	.00100	.00404	.00434	.00933	.05657
#2	.00289	.21501	.01135	.02331	.00212	.00199	.52099	.00109	.00371	.00357	.00995	.05481

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range												

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52737	.44061	.03087	.19999	.00300	.01054	1.0673	.01005	.00535	F .0139	.02103	.01161
Stddev	.01298	.00978	.00030	.00543	.00007	.00020	.0242	.00008	.00013	.0011	.00116	.00195
%RSD	2.4604	2.2198	.98007	2.7129	2.3785	1.9130	2.2715	.77590	2.3737	7.657	5.5322	16.753

#1	.53654	.43370	.03066	.19615	.00295	.01068	1.0502	.00999	.00544	.0132	.02021	.01299
#2	.51819	.44753	.03108	.20383	.00305	.01039	1.0844	.01010	.00526	.0147	.02185	.01024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value Range										.0030 50.00%		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.55202	W .00557	.00498	.00495	.01930	.00504	.01150
Stddev	.01853	.00077	.00008	.00009	.00159	.00004	.00031
%RSD	3.3561	13.792	1.6158	1.8203	8.2183	.84262	2.6986

#1	.53892	.00503	.00492	.00501	.02042	.00507	.01128
#2	.56512	.00611	.00503	.00488	.01818	.00501	.01172

Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range		.01000 -30.000%					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3653.7	5131.1	53016.	10285.
Stddev	1.5	6.4	222.	215.
%RSD	.04172	.12386	.41961	2.0929

#1	3654.8	5135.6	53173.	10437.
#2	3652.6	5126.6	52858.	10133.

Comment:

Elem Units	Ag3280 ppm	Al3082 ppm	As1890 ppm	B_2089 ppm	Ba4554-2 ppm	Be3130 ppm	Ca3179 ppm	Cd2288 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm	Fe2714 ppm	K_7664 ppm
Avg	-0.0144	483.90	.00617	.00064	.00078	-0.0012	463.88	-0.0112	-0.0008	.00290	.00200	181.36	.02681
Stddev	.00155	.25	.00128	.00072	.00047	.00005	3.66	.00004	.00006	.00078	.00098	.31	.03422
%RSD	107.60	.05086	20.799	111.57	59.766	39.238	.78870	3.6820	79.371	26.846	48.999	.17175	127.64

#1	-0.0254	484.07	.00708	.00115	.00045	-0.0016	466.46	-0.0115	-0.0012	.00235	.00131	181.58	.00261
#2	-0.0035	483.73	.00527	.00014	.00111	-0.0009	461.29	-0.0109	-0.0003	.00346	.00269	181.14	.05101

Check ? High Limit	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Low Limit													

Elem Units	K_7664-2 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm	Si2881 ppm	Sn1899 ppm
Avg	.03330	.00335	500.67	.00210	-0.0099	.03874	-0.0043	.00003	F -.1166	-0.00260	-0.00771	.01968	.00159
Stddev	.03915	.00083	.32	.00049	.00003	.00710	.00117	.00002	.0008	.00132	.00070	.00496	.00181
%RSD	117.59	24.816	.06453	23.468	2.5285	18.322	273.80	65.805	.7141	50.611	9.0214	25.211	113.95

#1	.00561	.00276	500.44	.00175	-0.0097	.03372	-0.0125	.00002	-0.1171	-0.00353	-0.00721	.01617	.00031
#2	.06098	.00393	500.90	.00245	-0.0101	.04376	.00040	.00005	-0.1160	-0.00167	-0.00820	.02319	.00287

Check ? High Limit	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass
Low Limit									.0060				
									-0.0060				

Elem Units	Sr4077 ppm	Ti3349 ppm	Tl1908 ppm	V_2924 ppm	Zn2062 ppm
Avg	.00553	.00466	-0.00041	.00124	.00108
Stddev	.00007	.00121	.00316	.00137	.00037
%RSD	1.3564	25.935	770.56	110.60	33.727

#1	.00547	.00380	.00183	.00027	.00134
#2	.00558	.00551	-0.00265	.00221	.00083

Check ? High Limit	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Low Limit					

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3774 Cts/S
Avg	2700.0	4427.8	44214.	9734.6
Stddev	5.7	12.7	45.	68.4
%RSD	.21133	.28777	.10122	.70276

#1	2704.0	4436.8	44246.	9686.3
#2	2695.9	4418.8	44182.	9783.0

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22056	491.09	.10774	.00369	.48615	.48322	455.12	1.0244	.49473	.48301	.52914	89.916	.03548
Stddev	.00059	1.56	.00271	.00042	.00197	.00093	2.08	.0010	.00055	.00137	.00110	.062	.00387
%RSD	.26575	.31745	2.5149	11.346	.40596	.19221	.45801	.09961	.11052	.28271	.20809	.06901	10.903

#1	.22098	492.19	.10582	.00339	.48754	.48388	453.64	1.0237	.49434	.48205	.52836	89.873	.03274
#2	.22015	489.99	.10965	.00399	.48475	.48257	456.59	1.0251	.49512	.48398	.52991	89.960	.03821

Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range														

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02341	.51528	515.45	.46852	-.00015	.17187	.98186	.05199	F -.0927	.61707	.04369	1.0415	.00132
Stddev	.00015	.00282	2.94	.00065	.00015	.00274	.00119	.00003	.0004	.00991	.00505	.0286	.00077
%RSD	.62331	.54704	.56950	.13803	104.62	1.5943	.12122	.05552	.3980	1.6059	11.549	2.7424	58.166

#1	.02351	.51727	517.53	.46807	-.00004	.16994	.98102	.05197	-.0929	.61007	.04725	1.0213	.00186
#2	.02331	.51328	513.38	.46898	-.00025	.17381	.98270	.05201	-.0924	.62408	.04012	1.0617	.00078

Check ?	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range									.2000 -20.00%					

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.48900	.00389	.09455	.48392	.96691
Stddev	.00016	.00009	.00220	.00138	.00507
%RSD	.03267	2.4371	2.3225	.28495	.52478

#1	.48911	.00395	.09610	.48294	.96332
#2	.48889	.00382	.09300	.48489	.97050

Check ?	None	None	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2746.6	4483.3	44939.	10035.
Stddev	1.2	.5	67.	54.
%RSD	.04375	.01128	.14872	.53667

#1	2747.4	4483.6	44986.	10074.
#2	2745.7	4482.9	44891.	9997.4

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49673	24.630	.49497	.49553	.50374	.49501	24.690	.49585	.48995	.49396	.49833	24.126	24.975
Stddev	.00211	.081	.00329	.00006	.00235	.00160	.051	.00060	.00094	.00055	.00130	.017	.049
%RSD	.42527	.32758	.66421	.01274	.46587	.32253	.20677	.12114	.19163	.11218	.26134	.07199	.19591

#1	.49524	24.687	.49730	.49557	.50540	.49614	24.726	.49542	.48929	.49357	.49741	24.138	25.010
#2	.49823	24.573	.49265	.49548	.50208	.49388	24.654	.49627	.49062	.49435	.49925	24.114	24.941

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.586	.49832	24.153	.49800	.49387	24.889	.49311	.49726	24.59	.51042	.49696	24.694	.49941
Stddev	.011	.00403	.071	.00226	.00053	.071	.00108	.00031	.05	.00078	.00000	.110	.00184
%RSD	.04231	.80926	.29298	.45421	.10725	.28393	.21819	.06162	.2062	.15357	.00036	.44377	.36931

#1	25.594	.50118	24.103	.49640	.49424	24.939	.49235	.49704	24.62	.51098	.49696	24.772	.49811
#2	25.578	.49547	24.203	.49960	.49349	24.839	.49387	.49748	24.55	.50987	.49696	24.617	.50072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49956	.49948	.49728	.49336	.49223
Stddev	.00194	.00204	.00035	.00110	.00337
%RSD	.38805	.40807	.07107	.22316	.68551

#1	.50093	.49804	.49703	.49258	.48985
#2	.49819	.50092	.49753	.49414	.49462

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3336.4	4951.8	51049.	10441.
Stddev	17.1	14.1	310.	22.
%RSD	.51352	.28554	.60663	.21169

#1	3348.5	4961.7	51268.	10457.
#2	3324.3	4941.8	50830.	10425.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0069	.03701	.00119	.00099	.00009	.00037	.02453	.00013	.00000	-0.00022	-0.00058	.01915	.03536
Stddev	.00064	.05626	.00033	.00008	.00011	.00047	.03330	.00002	.0000	.00034	.00027	.02917	.05559
%RSD	93.057	152.01	27.995	8.4585	119.79	125.07	135.74	11.697	72.987	157.97	46.481	152.31	157.22

#1	-0.0114	.07680	.00143	.00105	.00017	.00070	.04808	.00012	-0.00001	.00003	-0.00039	.03978	.07467
#2	-0.00024	-0.00277	.00096	.00093	.00001	.00004	.00099	.00014	.00000	-0.00046	-0.00077	-0.0147	-0.00395

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00547	.00068	.00512	.00015	.00015	.06746	-0.00020	.00063	F .0135	.00082	-0.00252	.03608	-0.00047
Stddev	.00450	.00077	.00515	.00005	.00008	.03056	.00012	.00043	.0025	.00030	.00006	.01742	.00007
%RSD	82.177	113.34	100.66	34.653	51.299	45.299	58.078	68.318	18.78	36.548	2.3397	48.279	15.076

#1	.00865	.00122	.00876	.00011	.00010	.08907	-0.00012	.00094	.0117	.00061	-0.00248	.04839	-0.00042
#2	.00229	.00013	.00147	.00019	.00020	.04586	-0.00028	.00033	.0153	.00103	-0.00256	.02376	-0.00052

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-0.0040				

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00041	.00023	.00005	-0.00066	.00027
Stddev	.00047	.00039	.00105	.00009	.00022
%RSD	114.91	166.55	2215.1	14.164	82.042

#1	.00074	.00051	-0.00069	-0.00060	.00011
#2	.00008	-0.00004	.00079	-0.00073	.00043

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3627.8	5091.9	52786.	10305.
Stddev	5.0	5.1	32.	26.
%RSD	.13662	.10096	.06126	.25571

#1	3624.3	5088.3	52809.	10286.
#2	3631.3	5095.6	52764.	10323.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0082	.00637	.00144	.00266	.00004	-0.0003	.03022	.00005	.00005
Stddev	.00010	.00462	.00103	.00016	.00001	.00008	.00072	.00012	.00006
%RSD	12.438	72.547	71.942	6.0472	19.421	309.33	2.3900	227.46	136.12

#1	-.00075	.00310	.00217	.00255	.00004	-.00008	.03073	-.00003	.00009
#2	-.00089	.00964	.00071	.00278	.00003	.00003	.02971	.00014	.00000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00049	-0.00031	.00169	.01459	.00134	.00017	.00382	.00032	-0.00001
Stddev	.00016	.00002	.00054	.00114	.00035	.00120	.00099	.00010	.00029
%RSD	32.428	5.0851	31.862	7.8437	25.785	723.38	25.782	31.154	4579.6

#1	.00038	-.00032	.00131	.01540	.00159	-.00068	.00452	.00039	.00020
#2	.00061	-.00030	.00207	.01378	.00110	.00102	.00313	.00025	-.00021

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05544	-0.00049	.00196	F .0116	.00037	-0.00258	.00482	-0.00019	.00011
Stddev	.00165	.00004	.00033	.0026	.00034	.00183	.00182	.00065	.00007
%RSD	2.9811	7.3213	16.715	22.52	90.632	71.144	37.689	342.07	62.143

#1	.05661	-.00046	.00219	.0135	.00061	-.00388	.00354	-.00065	.00006
#2	.05427	-.00051	.00173	.0098	.00013	-.00128	.00611	.00027	.00016

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0030					
Low Limit				-.0040					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	-0.00001	.00010	-0.00015	.00136
Stddev	.00039	.00099	.00008	.00001
%RSD	2893.1	972.16	52.285	.77655

#1	.00026	-.00060	-.00009	.00136
#2	-.00029	.00080	-.00021	.00137

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3614.9	5067.2	53077.	10452.
Stddev	1.1	2.2	398.	90.
%RSD	.03015	.04254	.75006	.86252

#1	3615.7	5065.7	53359.	10516.
#2	3614.1	5068.7	52796.	10389.

Sample Name: LCS 480-90050/2-A Acquired: 11/12/2012 15:43:21 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05059	10.037	.20257	.20504	.20840	.20463	10.140	.20195	.20216
Stddev	.00050	.113	.00249	.00011	.00020	.00187	.128	.00001	.00011
%RSD	.97898	1.1245	1.2303	.05193	.09782	.91498	1.2652	.00543	.05501

#1	.05024	9.9572	.20433	.20511	.20826	.20331	10.049	.20195	.20224
#2	.05094	10.117	.20080	.20496	.20855	.20595	10.230	.20196	.20208

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20557	.20214	9.9727	10.007	10.216	.20031	10.047	.20082	.20335
Stddev	.00022	.00039	.0797	.034	.105	.00105	.017	.00001	.00026
%RSD	.10937	.19096	.79937	.33485	1.0305	.52212	.17319	.00420	.12804

#1	.20542	.20186	9.9163	9.9837	10.142	.19957	10.059	.20082	.20316
#2	.20573	.20241	10.029	10.031	10.291	.20104	10.035	.20081	.20353

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.006	.19887	.20249	F_0080	.20459	.20029	10.224	.19571	.20048
Stddev	.083	.00057	.00027	.0013	.00062	.00215	.168	.00086	.00213
%RSD	.83106	.28598	.13497	16.19	.30061	1.0738	1.6432	.44161	1.0619

#1	9.9469	.19927	.20268	.0071	.20503	.20181	10.105	.19510	.19897
#2	10.064	.19847	.20229	.0089	.20416	.19877	10.343	.19632	.20198

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				11.50					
Low Limit				8.500					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19488	.19494	.19810	.21437
Stddev	.00025	.00076	.00158	.00083
%RSD	.13007	.39104	.79884	.38611

#1	.19471	.19440	.19921	.21495
#2	.19506	.19548	.19698	.21378

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3501.0	5055.6	52063.	10311.
Stddev	4.4	5.9	46.	146.
%RSD	.12578	.11717	.08856	1.4164

#1	3497.9	5051.4	52096.	10414.
#2	3504.2	5059.8	52031.	10207.

Sample Name: 480-28137-E-2-A Acquired: 11/12/2012 15:45:26 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0069	.10547	-0.0026	.27386	.02000	-0.0005	284.42	.00039	.00510
Stddev	.00030	.00571	.00023	.00108	.00042	.00008	1.25	.00005	.00027
%RSD	43.898	5.4101	88.038	.39302	2.0902	140.93	.44109	12.872	5.2229

#1	-.00047	.10950	-.00010	.27462	.02030	.00000	285.31	.00043	.00528
#2	-.00090	.10144	-.00042	.27310	.01971	-.00011	283.54	.00036	.00491

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00201	.00371	.88406	10.217	14.451	.04565	144.87	1.0811	.00260
Stddev	.00056	.00086	.00791	.049	.189	.00126	.50	.0024	.00019
%RSD	27.933	23.130	.89449	.47849	1.3106	2.7510	.34465	.21856	7.3323

#1	.00162	.00431	.88965	10.252	14.317	.04653	144.52	1.0794	.00247
#2	.00241	.00310	.87847	10.183	14.585	.04476	145.22	1.0828	.00274

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	64.850	.01164	.00067	F 376.9	.00165	.00058	4.9964	-.00011	2.4213
Stddev	.711	.00106	.00142	2.0	.00013	.00450	.0326	.00029	.0180
%RSD	1.0966	9.1295	212.41	.5325	7.9120	771.89	.65350	259.08	.74359

#1	65.353	.01089	-.00034	378.3	.00156	.00377	5.0195	.00009	2.4340
#2	64.347	.01239	.00168	375.5	.00174	-.00260	4.9733	-.00032	2.4085

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00485	-.00095	.00111	.04906
Stddev	.00082	.00144	.00045	.00111
%RSD	17.010	151.94	40.922	2.2557

#1	.00543	-.00196	.00143	.04984
#2	.00426	.00007	.00079	.04828

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3058.4	4609.1	47903.	10238.
Stddev	11.4	5.2	124.	7.
%RSD	.37112	.11389	.25816	.06890

#1	3066.5	4612.9	47991.	10243.
#2	3050.4	4605.4	47816.	10233.

Sample Name: CCV Acquired: 11/12/2012 15:47:45 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50694	24.764	.49811	.49553	.50317	.49623	25.009	.49779	.49343	.50578	.50182	24.310	25.077
Stddev	.00084	.078	.00263	.00095	.00093	.00167	.051	.00046	.00051	.00128	.00349	.061	.095
%RSD	.16543	.31553	.52798	.19223	.18463	.33589	.20489	.09265	.10338	.25239	.69622	.25053	.38081

#1	.50753	24.819	.49625	.49486	.50383	.49741	25.045	.49746	.49307	.50669	.50429	24.354	25.144
#2	.50634	24.708	.49997	.49621	.50252	.49506	24.973	.49812	.49379	.50488	.49935	24.267	25.009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.340	.49733	24.490	.50621	.49523	24.963	.49610	.50099	24.63	.50736	.50290	24.908	.50494
Stddev	.171	.00163	.137	.00349	.00162	.088	.00083	.00126	.13	.00243	.00660	.023	.00321
%RSD	.67475	.32798	.55971	.68902	.32671	.35192	.16763	.25081	.5468	.47908	1.3117	.09176	.63488

#1	25.460	.49849	24.587	.50867	.49409	25.025	.49551	.50010	24.53	.50564	.49823	24.924	.50267
#2	25.219	.49618	24.393	.50374	.49638	24.900	.49669	.50188	24.72	.50908	.50756	24.892	.50721

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49905	.50694	.50234	.50420	.51137
Stddev	.00035	.00512	.00016	.00553	.00148
%RSD	.07114	1.0102	.03192	1.0964	.28949

#1	.49930	.51056	.50245	.50811	.51242
#2	.49880	.50332	.50223	.50029	.51032

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3332.1	4961.8	49696.	10106.
Stddev	5.7	7.2	215.	90.
%RSD	.17027	.14457	.43214	.88940
#1	3336.1	4966.9	49544.	10043.
#2	3328.1	4956.8	49848.	10170.

Sample Name: CCB Acquired: 11/12/2012 15:49:52 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0084	.07812	.00064	.00143	.00001	.00172	.44080	.00011	.00010	.00016	-0.00085	F .08704
Stddev	.00026	.08950	.00166	.00020	.00001	.00191	.59129	.00006	.00002	.00009	.00002	.09524
%RSD	30.859	114.57	260.57	13.670	93.564	111.50	134.14	57.995	14.912	59.771	1.8108	109.42

#1	-0.0102	.14141	-0.0054	.00157	.00000	.00307	.85891	.00015	.00011	.00023	-0.00084	.15439
#2	-0.0065	.01484	.00181	.00129	.00001	.00036	.02269	.00006	.00009	.00009	-0.00087	.01969

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.05000
Low Limit												-.05000

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12453	.00283	.00273	.00097	.00005	.00026	.18319	-0.00026	.00069	F .0221	-0.00100	-0.00327
Stddev	.11215	.00024	.00350	.00007	.00001	.00023	.20908	.00008	.00044	.0049	.00215	.00064
%RSD	90.058	8.6295	127.97	6.7728	12.659	89.982	114.13	29.375	64.437	22.03	214.56	19.636

#1	.20383	.00300	.00520	.00092	.00005	.00042	.33103	-0.00031	.00037	.0255	-0.00252	-0.00372
#2	.04523	.00266	.00026	.00102	.00006	.00009	.03535	-0.00020	.00100	.0186	.00052	-0.00281

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11190	-0.0029	.00461	.00007	-0.00063	-0.00075	.00039
Stddev	.09277	.00013	.00588	.00082	.00038	.00048	.00012
%RSD	82.911	43.954	127.77	1118.7	59.392	63.825	31.618

#1	.17750	-0.00038	.00877	-0.00051	-0.00037	-0.00109	.00030
#2	.04629	-0.00020	.00044	.00065	-0.00090	-0.00041	.00047

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3679.6	5151.8	52877.	10325.
Stddev	5.7	6.0	105.	38.
%RSD	.15611	.11700	.19819	.36472
#1	3675.6	5147.5	52803.	10352.
#2	3683.7	5156.0	52951.	10299.

Sample Name: 480-28137-E-3-A Acquired: 11/12/2012 15:52:05 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0133	.50341	.00544	.26790	.01364	.00000	426.16	.00048	.00519
Stddev	.00032	.00519	.00115	.00055	.00006	.0000	2.62	.00011	.00004
%RSD	23.784	1.0311	21.087	.20390	.41395	25.408	.61591	23.847	.80136

#1	-.00155	.49974	.00463	.26752	.01368	.00000	428.02	.00040	.00522
#2	-.00110	.50708	.00625	.26829	.01360	-.00001	424.31	.00056	.00516

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00171	.00179	3.5727	11.961	17.438	.06368	226.64	2.0912	.00045
Stddev	.00029	.00007	.0076	.011	.188	.00113	.44	.0012	.00022
%RSD	16.938	4.0193	.21165	.08790	1.0777	1.7721	.19263	.05738	49.275

#1	.00191	.00174	3.5781	11.968	17.571	.06447	226.33	2.0904	.00061
#2	.00150	.00184	3.5674	11.953	17.305	.06288	226.95	2.0921	.00029

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	60.749	.01140	.00210	F 530.1	.00134	.00248	7.9357	-.00032	3.2301
Stddev	.213	.00037	.00066	.0	.00042	.00414	.0561	.00030	.0162
%RSD	.35089	3.2249	31.357	.0021	31.532	166.83	.70760	93.682	.50189

#1	60.900	.01114	.00256	530.1	.00164	.00541	7.9754	-.00053	3.2415
#2	60.598	.01166	.00163	530.1	.00104	-.00045	7.8960	-.00011	3.2186

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.01610	.00119	.00243	.01103
Stddev	.00408	.00066	.00063	.00036
%RSD	25.334	55.815	25.757	3.2462

#1	.01322	.00072	.00198	.01077
#2	.01898	.00166	.00287	.01128

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2956.5	4500.7	46239.	9910.1
Stddev	9.5	15.0	63.	17.3
%RSD	.32220	.33360	.13625	.17459

#1	2949.8	4490.0	46284.	9897.9
#2	2963.2	4511.3	46195.	9922.3

Sample Name: 480-28137-E-4-A Acquired: 11/12/2012 15:54:21 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0105	.01430	.00034	.28495	.01398	-0.0005	360.39	.00068	.00628
Stddev	.00004	.00985	.00126	.00160	.00011	.00008	2.15	.00012	.00008
%RSD	3.9986	68.850	367.22	.56224	.76618	147.79	.59657	17.769	1.2034

#1	-.00102	.02127	.00123	.28382	.01390	.00000	361.91	.00077	.00633
#2	-.00108	.00734	-.00055	.28608	.01405	-.00011	358.87	.00060	.00623

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00211	.00144	1.0089	11.338	16.329	.06354	200.10	1.3316	.00110
Stddev	.00001	.00027	.0048	.031	.278	.00009	.80	.0029	.00031
%RSD	.62034	18.758	.47424	.27224	1.7036	.13976	.40179	.21750	28.074

#1	.00212	.00125	1.0123	11.360	16.526	.06360	199.53	1.3295	.00088
#2	.00210	.00164	1.0055	11.317	16.132	.06348	200.67	1.3336	.00132

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	75.816	.01209	.00250	F 494.7	.00154	-0.00094	6.2564	-0.00032	3.0853
Stddev	.830	.00018	.00075	.9	.00046	.00778	.0520	.00063	.0284
%RSD	1.0945	1.5197	29.970	.1898	29.782	823.14	.83111	194.67	.92014

#1	76.402	.01222	.00197	495.4	.00187	.00455	6.2932	.00012	3.1053
#2	75.229	.01196	.00304	494.1	.00122	-.00644	6.2196	-.00077	3.0652

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00257	.00070	.00109	.01587
Stddev	.00000	.00219	.00005	.00017
%RSD	.10870	311.64	4.4326	1.0666

#1	.00257	-.00085	.00106	.01599
#2	.00258	.00225	.00113	.01575

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2992.5	4541.6	46970.	10181.
Stddev	8.6	8.3	367.	42.
%RSD	.28756	.18318	.78126	.41322

#1	2998.6	4547.5	47230.	10151.
#2	2986.4	4535.8	46711.	10211.

Sample Name: 480-28137-E-5-A Acquired: 11/12/2012 15:56:37 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0045	.06247	.00180	.38833	.01530	-0.0010	495.35	.00053	.00476
Stddev	.00053	.00206	.00061	.00090	.00000	.00008	8.12	.00014	.00014
%RSD	117.45	3.3054	33.809	.23104	.02948	80.583	1.6394	25.460	3.0133

#1	-.00008	.06101	.00137	.38896	.01530	-.00015	501.10	.00063	.00486
#2	-.00082	.06393	.00222	.38769	.01531	-.00004	489.61	.00044	.00466

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00156	.00166	.39876	14.769	21.742	.09564	247.14	1.8065	.00033
Stddev	.00044	.00044	.01124	.346	.134	.00258	2.00	.0148	.00027
%RSD	27.984	26.378	2.8175	2.3408	.61473	2.6944	.80730	.82024	82.234

#1	.00186	.00196	.40671	15.013	21.836	.09746	248.55	1.8170	.00052
#2	.00125	.00135	.39082	14.524	21.647	.09382	245.73	1.7960	.00014

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	84.511	.01262	.00211	F 647.1	-0.00005	.00128	6.7088	-0.0062	5.0672
Stddev	1.575	.00020	.00139	.3	.00015	.00529	.1171	.00059	.0743
%RSD	1.8640	1.5925	65.677	.0503	267.99	414.27	1.7448	95.283	1.4660

#1	85.625	.01248	.00309	646.9	-.00016	-.00246	6.7916	-.00020	5.1197
#2	83.397	.01276	.00113	647.3	.00005	.00501	6.6260	-.00103	5.0147

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00530	.00199	.00152	.01749
Stddev	.00007	.00473	.00035	.00054
%RSD	1.3697	238.09	23.004	3.0610

#1	.00535	.00533	.00177	.01787
#2	.00525	-.00136	.00128	.01711

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2900.9	4455.9	46306.	9861.8
Stddev	3.2	9.3	100.	121.1
%RSD	.11028	.20768	.21608	1.2283

#1	2903.2	4462.4	46236.	9776.2
#2	2898.6	4449.4	46377.	9947.5

Sample Name: 480-28137-E-6-A Acquired: 11/12/2012 15:58:59 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0099	.02450	.00538	.35911	.01414	-0.0011	431.97	.00059	.00580
Stddev	.00112	.01654	.00013	.00036	.00012	.00008	8.36	.00015	.00026
%RSD	113.29	67.526	2.4936	.10039	.82646	71.249	1.9361	24.519	4.4988

#1	-.00178	.03619	.00528	.35885	.01406	-.00016	426.06	.00070	.00562
#2	-.00020	.01280	.00547	.35936	.01423	-.00005	437.89	.00049	.00599

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00170	.00069	4.2499	13.899	20.068	.09108	214.77	1.5709	.00030
Stddev	.00003	.00019	.0021	.033	.368	.00174	.06	.0009	.00015
%RSD	1.6481	27.710	.04882	.23667	1.8360	1.9129	.02561	.05712	49.414

#1	.00172	.00083	4.2484	13.875	19.808	.09231	214.81	1.5716	.00041
#2	.00168	.00056	4.2513	13.922	20.329	.08985	214.73	1.5703	.00020

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	95.190	.01236	.00075	F 544.8	.00004	.00024	6.4251	-.00051	4.5206
Stddev	.610	.00034	.00071	.7	.00228	.00361	.0494	.00044	.0194
%RSD	.64085	2.7104	94.858	.1283	5191.5	1503.2	.76829	85.058	.42832

#1	94.758	.01212	.00025	545.3	.00166	.00279	6.3902	-.00082	4.5069
#2	95.621	.01260	.00126	544.3	-.00157	-.00231	6.4601	-.00020	4.5342

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00253	.00128	.00130	.00708
Stddev	.00003	.00239	.00074	.00044
%RSD	1.2345	186.57	56.644	6.2151

#1	.00251	-.00041	.00078	.00677
#2	.00256	.00297	.00183	.00739

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2936.8	4492.0	45862.	9972.2
Stddev	6.6	7.8	271.	181.8
%RSD	.22373	.17302	.59080	1.8235

#1	2932.2	4486.5	45671.	10101.
#2	2941.5	4497.5	46054.	9843.7

Sample Name: 480-28137-E-7-A Acquired: 11/12/2012 16:01:22 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0019	.04082	.00175	.03716	.01182	.00008	105.33	.00029	.00003
Stddev	.00017	.01247	.00154	.00012	.00004	.00004	.49	.00006	.00000
%RSD	87.469	30.550	88.067	.31081	.37473	57.014	.46772	19.812	13.347

#1	-.00031	.04963	.00284	.03724	.01185	.00011	104.98	.00033	.00002
#2	-.00007	.03200	.00066	.03707	.01178	.00004	105.68	.00025	.00003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00095	.02131	.16320	2.2844	2.8678	.01455	61.675	.12852	.00064
Stddev	.00036	.00002	.00067	.0458	.0452	.00039	.102	.00018	.00006
%RSD	37.421	.10701	.40882	2.0039	1.5756	2.6586	.16508	.14136	9.2811

#1	.00120	.02129	.16273	2.2520	2.8358	.01428	61.747	.12839	.00060
#2	.00070	.02133	.16367	2.3167	2.8997	.01482	61.603	.12865	.00068

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.277	.00031	.00211	F 120.6	-0.0047	-0.00124	8.6929	-0.00021	.64924
Stddev	.006	.00002	.00103	.1	.00058	.00442	.0099	.00024	.00201
%RSD	.01246	5.2733	49.010	.1236	123.74	357.71	.11426	115.44	.30936

#1	48.282	.00032	.00284	120.5	-.00087	.00189	8.7000	-.00037	.65066
#2	48.273	.00029	.00138	120.7	-.00006	-.00436	8.6859	-.00004	.64782

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00086	.00038	.00013	.02382
Stddev	.00018	.00083	.00019	.00007
%RSD	21.044	220.74	145.05	.30378

#1	.00099	.00097	.00026	.02387
#2	.00073	-.00021	.00000	.02376

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3257.9	4807.1	49255.	10161.
Stddev	2.0	6.7	61.	164.
%RSD	.06099	.13992	.12338	1.6180

#1	3259.3	4802.3	49212.	10278.
#2	3256.5	4811.8	49298.	10045.

Sample Name: 480-28137-E-8-A Acquired: 11/12/2012 16:03:32 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0024	.42587	.00606	.22862	.01734	-0.0011	538.52	.00071	.01524
Stddev	.00018	.00248	.00004	.00040	.00009	.00002	7.37	.00009	.00014
%RSD	73.725	.58253	.72636	.17416	.49070	14.488	1.3686	13.419	.93057

#1	-0.0036	.42412	.00603	.22890	.01740	-0.0012	533.31	.00064	.01534
#2	-0.0011	.42762	.00609	.22834	.01728	-0.0010	543.74	.00077	.01514

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00154	.00092	2.1934	12.032	18.924	.07358	F 386.92	4.9129	.00038
Stddev	.00047	.00017	.0062	.113	.017	.00024	1.41	.0188	.00027
%RSD	30.688	18.146	.28199	.94148	.08759	.32539	.36542	.38304	70.979

#1	.00121	.00080	2.1890	11.952	18.935	.07375	387.92	4.9262	.00057
#2	.00187	.00104	2.1978	12.112	18.912	.07341	385.92	4.8996	.00019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							250.00		
Low Limit							-20000		

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	97.815	.02715	.00091	F 837.6	.00029	.00052	7.5651	.00037	3.3365
Stddev	.520	.00003	.00048	1.1	.00457	.00603	.0794	.00009	.0177
%RSD	.53126	.11493	53.118	.1333	1567.8	1163.3	1.0499	24.245	.53186

#1	97.448	.02717	.00126	838.4	-0.0294	.00478	7.5090	.00044	3.3239
#2	98.183	.02713	.00057	836.8	.00352	-0.00374	7.6213	.00031	3.3490

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-0.100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00975	.00297	.00349	.01168
Stddev	.00040	.00227	.00033	.00133
%RSD	4.0814	76.616	9.5011	11.357

#1	.01003	.00136	.00372	.01262
#2	.00947	.00458	.00326	.01075

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2853.6	4404.1	45139.	9772.2
Stddev	3.9	4.8	361.	25.1
%RSD	.13701	.10923	.80082	.25644

#1	2850.8	4400.7	44883.	9790.0
#2	2856.3	4407.5	45394.	9754.5

Sample Name: 480-28137-E-9-A Acquired: 11/12/2012 16:05:48 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00177	13.798	.00634	.04757	.01213	.01031	140.33	.00096	.89829
Stddev	.00038	.027	.00190	.00057	.00000	.00004	.49	.00009	.00171
%RSD	21.669	.19651	29.923	1.1880	.04009	.35328	.35172	9.6008	.19082

#1	.00204	13.817	.00768	.04717	.01213	.01028	140.68	.00102	.89708
#2	.00150	13.779	.00500	.04797	.01214	.01033	139.98	.00089	.89950

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00311	.00747	11.483	2.8314	3.9523	.13935	107.68	F 47.337	-.00233
Stddev	.00033	.00029	.054	.0122	.0084	.00023	.14	.025	.00006
%RSD	10.588	3.9128	.47057	.43073	.21386	.16639	.12899	.05178	2.6851

#1	.00334	.00726	11.521	2.8228	3.9583	.13951	107.58	47.354	-.00228
#2	.00288	.00767	11.444	2.8400	3.9463	.13918	107.78	47.319	-.00237

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								15.000	
Low Limit								-.00300	

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	63.961	48729	.02425	F 379.0	-.00240	.02756	42.186	-.00016	.77348
Stddev	.070	.00233	.00028	1.3	.00161	.00068	.112	.00089	.00238
%RSD	.10964	.47746	1.1361	.3309	67.107	2.4585	.26595	568.68	.30742

#1	64.010	.48564	.02405	378.1	-.00353	.02804	42.265	.00047	.77516
#2	63.911	.48893	.02444	379.9	-.00126	.02708	42.107	-.00079	.77180

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00084	.04975	.00939	.64381
Stddev	.00014	.00256	.00065	.00503
%RSD	16.388	5.1422	6.9391	.78055

#1	.00074	.05156	.00985	.64736
#2	.00094	.04794	.00893	.64025

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3157.7	5093.4	52566.	10925.
Stddev	6.8	1.6	68.	44.
%RSD	.21591	.03063	.13002	.40682

#1	3162.5	5094.5	52517.	10894.
#2	3152.8	5092.3	52614.	10957.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0049	.30039	.00089	.01957	.02049	.00010	63.195	.00020	.00292
Stddev	.00074	.01435	.00047	.00043	.00010	.00003	.557	.00001	.00026
%RSD	148.64	4.7768	52.285	2.1995	.49744	28.197	.88080	6.8805	8.7880

#1	-.00101	.31054	.00122	.01987	.02057	.00012	63.588	.00021	.00274
#2	.00003	.29024	.00056	.01926	.02042	.00008	62.801	.00019	.00311

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00117	.00140	.30682	1.0184	1.2828	.01262	35.142	.79176	-.00027
Stddev	.00045	.00028	.01233	.0142	.0074	.00011	.053	.00247	.00005
%RSD	37.942	20.267	4.0173	1.3937	.57645	.84698	.14974	.31157	18.630

#1	.00149	.00161	.31553	1.0284	1.2880	.01269	35.179	.79350	-.00031
#2	.00086	.00120	.29810	1.0084	1.2775	.01254	35.105	.79001	-.00024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	58.402	.04148	.00084	F 130.9	.00066	-.00351	14.658	-.00004	.31484
Stddev	.225	.00010	.00361	.1	.00095	.00130	.200	.00001	.00178
%RSD	.38558	.23693	428.69	.0554	145.37	37.162	1.3630	18.744	.56610

#1	58.561	.04142	.00339	131.0	.00133	-.00259	14.799	-.00004	.31610
#2	58.242	.04155	-.00171	130.9	-.00002	-.00443	14.517	-.00003	.31358

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00512	-.00086	.00087	.03206
Stddev	.00032	.00047	.00057	.00046
%RSD	6.2988	54.513	65.662	1.4286

#1	.00489	-.00119	.00127	.03239
#2	.00534	-.00053	.00046	.03174

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3328.9	4883.3	50358.	10343.
Stddev	.7	4.0	157.	52.
%RSD	.02012	.08286	.31259	.50232

#1	3328.4	4880.4	50246.	10306.
#2	3329.4	4886.1	50469.	10379.

Sample Name: 480-28137-E-11-A Acquired: 11/12/2012 16:10:04 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0062	1.4648	.00307	.58068	.02154	.00004	66.876	.00023	.00147
Stddev	.00023	.0159	.00211	.00190	.00023	.00003	.307	.00001	.00118
%RSD	36.323	1.0891	68.552	.32637	1.0505	64.567	.45874	3.5543	80.016
#1	-.00046	1.4761	.00457	.57934	.02138	.00002	66.659	.00023	.00230
#2	-.00078	1.4535	.00158	.58202	.02170	.00006	67.093	.00022	.00064

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00316	.00182	2.0210	5.5048	8.9403	.04761	34.713	.12738	.00041
Stddev	.00023	.00042	.0037	.0070	.0264	.00023	.058	.00029	.00010
%RSD	7.2846	23.274	.18052	.12661	.29551	.47524	.16698	.22631	24.404
#1	.00300	.00152	2.0185	5.5097	8.9590	.04745	34.672	.12717	.00034
#2	.00332	.00212	2.0236	5.4999	8.9216	.04777	34.754	.12758	.00048

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	290.69	.00241	.00016	F 118.2	-0.00107	-0.00003	7.0601	.00001	.73174
Stddev	.24	.00089	.00032	.8	.00034	.00162	.0777	.00104	.00150
%RSD	.08294	36.821	206.51	.6440	31.419	5348.1	1.1000	17746.	.20436
#1	290.86	.00303	.00038	118.8	-.00083	-.00118	7.0052	.00074	.73068
#2	290.52	.00178	-.00007	117.7	-.00131	.00112	7.1150	-.00073	.73279

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit 10.00
 Low Limit -.0100

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.01563	-.00086	.00331	.01254
Stddev	.00031	.00003	.00018	.00007
%RSD	2.0016	3.8039	5.4567	.58232
#1	.01585	-.00089	.00344	.01259
#2	.01541	-.00084	.00319	.01249

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3122.9	4775.4	48746.	10423.
Stddev	11.3	5.3	312.	15.
%RSD	.36166	.11034	.63954	.14239
#1	3114.9	4771.7	48967.	10434.
#2	3130.9	4779.2	48526.	10413.

Sample Name: 480-28137-E-12-A Acquired: 11/12/2012 16:12:20 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0113	.32705	.00267	.02925	.03318	.00005	79.603	.00022	.02547
Stddev	.00013	.00074	.00113	.00096	.00005	.00002	.180	.00003	.00008
%RSD	11.685	.22749	42.517	3.2686	.15874	33.515	.22660	14.133	.31715
#1	-.00122	.32758	.00187	.02993	.03322	.00006	79.476	.00020	.02553
#2	-.00103	.32652	.00347	.02858	.03315	.00003	79.731	.00025	.02542

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00142	.00138	1.7920	4.8721	5.9353	.02956	21.175	3.2402	.00007
Stddev	.00013	.00006	.0037	.0168	.0310	.00058	.018	.0039	.00028
%RSD	9.2753	4.1296	.20880	.34495	.52225	1.9715	.08599	.11883	376.52
#1	.00151	.00142	1.7893	4.8602	5.9572	.02998	21.188	3.2375	.00027
#2	.00132	.00134	1.7946	4.8840	5.9134	.02915	21.162	3.2429	-.00012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	35.445	.03477	.00168	F 94.48	-0.0092	.00120	14.112	.00018	.28558
Stddev	.001	.00001	.00080	.34	.00215	.00010	.048	.00016	.00120
%RSD	.00217	.01582	47.870	.3571	234.66	8.6984	.33856	88.888	.42167
#1	35.445	.03477	.00111	94.72	-.00244	.00113	14.078	.00007	.28472
#2	35.446	.03477	.00224	94.24	.00060	.00128	14.146	.00029	.28643

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit 10.00
 Low Limit -.0100

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00524	.00164	.00262	.07377
Stddev	.00003	.00056	.00002	.00141
%RSD	.56167	34.177	.83118	1.9143
#1	.00521	.00124	.00260	.07477
#2	.00526	.00204	.00263	.07278

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3349.2	4865.5	50000.	10176.
Stddev	.2	8.0	95.	22.
%RSD	.00529	.16437	.19001	.21183
#1	3349.1	4859.9	50067.	10191.
#2	3349.4	4871.2	49933.	10161.

Sample Name: CCV Acquired: 11/12/2012 16:14:29 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49854	24.561	.50386	.50385	.50077	.49462	24.752	.50330	.49448	.50071	.49897	24.253	25.117
Stddev	.00014	.059	.00239	.00078	.00110	.00128	.031	.00072	.00035	.00248	.00049	.137	.044
%RSD	.02776	.24159	.47434	.15404	.21927	.25937	.12483	.14372	.07017	.49598	.09831	.56364	.17604

#1	.49844	24.519	.50217	.50440	.50000	.49372	24.730	.50381	.49473	.49895	.49863	24.157	25.086
#2	.49864	24.603	.50555	.50330	.50155	.49553	24.774	.50279	.49423	.50246	.49932	24.350	25.148

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.834	.49887	24.505	.50312	.50112	25.079	.49802	.50033	24.69	.50889	.50542	24.769	.50044
Stddev	.315	.00269	.047	.00067	.00120	.057	.00007	.00185	.05	.00018	.00499	.150	.00152
%RSD	1.2191	.53948	.19181	.13388	.23869	.22632	.01353	.36951	.2085	.03461	.98829	.60709	.30277

#1	26.057	.49697	24.472	.50265	.50196	25.039	.49798	.49902	24.73	.50901	.50895	24.663	.49937
#2	25.611	.50077	24.538	.50360	.50027	25.119	.49807	.50164	24.66	.50876	.50189	24.875	.50151

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50363	.49853	.50595	.49822	.49840
Stddev	.00130	.00025	.00410	.00354	.00336
%RSD	.25746	.05015	.81094	.70957	.67334

#1	.50271	.49871	.50885	.49572	.49603
#2	.50454	.49835	.50305	.50072	.50078

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3347.7	4957.9	51074.	10379.
Stddev	8.3	7.3	151.	27.
%RSD	.24903	.14697	.29500	.25719

#1	3353.6	4963.0	51181.	10398.
#2	3341.8	4952.7	50967.	10360.

Sample Name: CCB Acquired: 11/12/2012 16:16:35 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0116	.01831	.00261	.00304	.00003	-0.0009	.00256	F .00128	.00126	.00014	-0.00076	.00136
Stddev	.00042	.00124	.00017	.00092	.00002	.00008	.00092	.00085	.00054	.00052	.00048	.00181
%RSD	36.550	6.7965	6.6196	30.258	64.937	89.584	35.774	66.214	42.919	368.45	63.406	133.73

#1	-0.0145	.01919	.00249	.00369	.00002	-0.0003	.00191	.00188	.00164	-0.0022	-0.0110	.00264
#2	-0.0086	.01743	.00273	.00239	.00005	-0.0014	.00321	.00068	.00087	.00051	-0.0042	.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								.00100				
Low Limit								-.00100				

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04773	.00263	.00042	.00466	.00011	.00116	.00279	.00101	.00109	F .3795	.00134	.00117
Stddev	.01542	.00054	.00020	.00176	.00016	.00096	.00644	.00040	.00113	.0667	.00024	.00058
%RSD	32.310	20.583	49.141	37.662	136.40	82.436	230.91	39.720	103.29	17.59	17.573	49.414

#1	.05863	.00224	.00056	.00342	.00000	.00184	-.00177	.00130	.00189	.4266	.00150	.00076
#2	.03682	.00301	.00027	.00591	.00022	.00048	.00735	.00073	.00029	.3323	.00117	.00158

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit										.0030		
Low Limit										-.0040		

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01357	.00096	-0.0006	-0.0026	-0.0076	-0.0037	-0.0005
Stddev	.00523	.00095	.00010	.00045	.00301	.00017	.00038
%RSD	38.505	99.128	176.30	171.11	396.81	44.524	699.45

#1	.01726	.00164	.00001	.00006	.00137	-.00049	-.00032
#2	.00988	.00029	-.00013	-.00058	-.00289	-.00026	.00021

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3644.8	5121.5	52079.	10332.
Stddev	19.3	36.9	116.	149.
%RSD	.52909	.71995	.22254	1.4450

#1	3631.1	5095.4	52161.	10438.
#2	3658.4	5147.6	51997.	10227.

Sample Name: 480-28137-E-13-A Acquired: 11/12/2012 16:18:47 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0076	.07964	.00396	.33884	.01907	-0.0010	427.89	.00093	.00643
Stddev	.00013	.01365	.00046	.00157	.00007	.00007	.94	.00032	.00010
%RSD	17.426	17.143	11.731	.46217	.37474	71.568	.21995	34.676	1.4796
#1	-.00067	.08930	.00429	.33774	.01902	-.00015	427.22	.00070	.00649
#2	-.00086	.06999	.00363	.33995	.01912	-.00005	428.55	.00115	.00636

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00143	.00205	1.9642	13.013	19.106	.07396	235.61	2.1345	.00253
Stddev	.00040	.00008	.0017	.030	.177	.00095	.58	.0053	.00022
%RSD	27.903	3.6937	.08703	.22962	.92711	1.2911	.24635	.24749	8.8353
#1	.00115	.00200	1.9654	13.034	19.231	.07464	235.20	2.1308	.00268
#2	.00172	.00211	1.9629	12.992	18.980	.07329	236.02	2.1382	.00237

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	67.253	.01383	.00542	F 558.6	-0.0027	.00063	7.2199	-0.0022	3.7272
Stddev	.394	.00026	.00100	1.9	.00060	.00026	.0092	.00058	.0039
%RSD	.58535	1.9035	18.491	.3333	222.29	40.796	.12724	270.07	.10416
#1	66.975	.01364	.00613	557.3	-.00070	.00081	7.2264	-.00063	3.7300
#2	67.532	.01401	.00471	559.9	.00016	.00045	7.2134	.00020	3.7245

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit 10.00
 Low Limit -.0100

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00366	.00159	.00185	.08050
Stddev	.00041	.00173	.00042	.00034
%RSD	11.324	108.99	22.409	.41929
#1	.00336	.00281	.00215	.08026
#2	.00395	.00036	.00156	.08074

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2943.2	4465.0	45876.2	9774.6
Stddev	22.1	24.1	65.	32.3
%RSD	.75042	.54024	.14115	.33000
#1	2927.6	4448.0	45922.	9797.4
#2	2958.8	4482.1	45831.	9751.8

Sample Name: 480-28144-C-1-A Acquired: 11/12/2012 16:21:03 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0119	.09453	.00366	.74034	.09759	-0.0005	190.40	.00028	.00311
Stddev	.00009	.00003	.00009	.00231	.00031	.00001	.43	.00005	.00005
%RSD	7.5576	.02962	2.4649	.31192	.31964	10.994	.22678	17.389	1.6818

#1	-.00126	.09451	.00372	.74197	.09737	-.00006	190.70	.00031	.00307
#2	-.00113	.09455	.00360	.73870	.09781	-.00005	190.09	.00024	.00315

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00400	.00138	2.0200	19.651	25.742	.03545	45.135	.31056	.00821
Stddev	.00012	.00011	.0072	.013	.018	.00066	.029	.00090	.00003
%RSD	3.0174	7.8708	.35796	.06722	.06883	1.8643	.06476	.28849	.39341

#1	.00392	.00146	2.0149	19.641	25.755	.03498	45.114	.30993	.00819
#2	.00409	.00131	2.0251	19.660	25.730	.03592	45.155	.31120	.00824

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	96.780	.02890	.00155	F 121.0	-0.00123	.00138	6.7186	-0.00025	5.2152
Stddev	.077	.00042	.00073	.5	.00301	.00094	.0130	.00001	.0794
%RSD	.07965	1.4531	47.330	.4487	245.20	68.069	.19405	4.9940	1.5232

#1	96.834	.02919	.00207	121.4	.00090	.00204	6.7094	-.00026	5.1590
#2	96.725	.02860	.00103	120.7	-.00335	.00072	6.7278	-.00024	5.2713

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00396	-.00110	.00194	.00837
Stddev	.00025	.00112	.00022	.00055
%RSD	6.2886	102.23	11.462	6.5805

#1	.00378	-.00189	.00178	.00798
#2	.00414	-.00030	.00209	.00876

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3150.6	4714.7	48446.	10218.
Stddev	4.1	5.6	147.	45.
%RSD	.13069	.11878	.30402	.43869

#1	3153.6	4718.7	48550.	10250.
#2	3147.7	4710.8	48342.	10186.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0045	1.0059	.00135	.01770	.02084	-0.0005	36.027	.00020	.00133
Stddev	.00056	.0219	.00103	.00052	.00001	.00005	.852	.00011	.00013
%RSD	125.66	2.1806	76.474	2.9232	.04805	93.227	2.3640	54.607	9.4462

#1	-.00084	.99041	.00208	.01807	.02083	-.00002	35.425	.00028	.00124
#2	-.00005	1.0214	.00062	.01734	.02085	-.00008	36.629	.00012	.00142

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10247	.00360	1.3180	.94756	1.0057	.00264	8.0454	.03248	.00291
Stddev	.00097	.00009	.0267	.01318	.0191	.00008	.0019	.00011	.00009
%RSD	.94544	2.4950	2.0244	1.3914	1.9029	2.9815	.02429	.34613	3.2442

#1	.10316	.00354	1.2991	.93823	.99213	.00259	8.0468	.03240	.00284
#2	.10179	.00366	1.3368	.95688	1.0192	.00270	8.0441	.03256	.00298

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.374	.05175	.00125	6.742	-0.0003	-0.00082	9.2606	.00027	.20988
Stddev	.411	.00047	.00138	.020	.00003	.00311	.2212	.00004	.00406
%RSD	2.2371	.90673	109.77	.2937	78.696	380.91	2.3887	14.905	1.9337

#1	18.083	.05208	.00028	6.756	-.00005	.00138	9.1042	.00029	.20701
#2	18.665	.05142	.00223	6.728	-.00001	-.00302	9.4170	.00024	.21275

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.05621	-.00116	.00199	.00635
Stddev	.00022	.00057	.00022	.00014
%RSD	.38579	49.529	11.032	2.1637

#1	.05636	-.00075	.00184	.00645
#2	.05605	-.00156	.00215	.00625

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3474.6	4999.0	51256.	10535.
Stddev	.7	6.5	112.	194.
%RSD	.01939	.13013	.21895	1.8372

#1	3474.1	4994.4	51177.	10672.
#2	3475.0	5003.6	51336.	10398.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0078	.21899	.00061	.00444	.00442	-0.0008	7.4707	.00013	.00039
Stddev	.00021	.00427	.00012	.00016	.00017	.00011	.0131	.00007	.00011
%RSD	26.840	1.9476	19.472	3.6053	3.9255	147.47	.17492	53.829	29.302
#1	-.00063	.22201	.00053	.00456	.00430	.00000	7.4799	.00018	.00031
#2	-.00092	.21598	.00069	.00433	.00454	-.00015	7.4614	.00008	.00047

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02093	.00009	.26799	.20699	.18900	-0.00032	1.6422	.00692	.00053
Stddev	.00057	.00049	.00604	.01438	.02531	.00012	.0589	.00055	.00000
%RSD	2.7004	559.47	2.2535	6.9461	13.389	38.550	3.5884	7.9834	.73213
#1	.02053	-.00026	.27226	.19683	.17111	-.00040	1.6005	.00653	.00053
#2	.02133	.00043	.26372	.21716	.20690	-.00023	1.6839	.00731	.00053

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.7566	.01025	.00108	1.341	.00107	-0.00098	1.9000	.00033	.04265
Stddev	.0081	.00044	.00037	.002	.00047	.00116	.0013	.00016	.00014
%RSD	.21498	4.2562	34.786	.1115	43.883	119.06	.06668	49.127	.31696
#1	3.7623	.01056	.00134	1.340	.00074	-.00015	1.8991	.00045	.04275
#2	3.7509	.00994	.00081	1.342	.00140	-.00180	1.9009	.00022	.04255

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.01094	-.00125	-.00011	.00130
Stddev	.00054	.00320	.00011	.00036
%RSD	4.9789	255.36	100.41	27.818
#1	.01132	-.00351	-.00003	.00104
#2	.01055	.00101	-.00019	.00155

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3593.9	5049.7	52119.	10213.
Stddev	6.1	7.2	9.	38.
%RSD	.17055	.14326	.01740	.37139
#1	3589.5	5044.6	52125.	10240.
#2	3598.2	5054.8	52112.	10186.

Sample Name: 480-28140-C-1-A PDS Acquired: 11/12/2012 16:27:33 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04999	11.149	.20982	.23008	.22875	.20685	45.409	.20739	.20897
Stddev	.00001	.040	.00262	.00052	.00008	.00021	.028	.00052	.00001
%RSD	.01911	.35685	1.2473	.22658	.03501	.10117	.06064	.25188	.00294

#1	.04998	11.121	.20796	.23045	.22869	.20670	45.429	.20776	.20897
#2	.04999	11.177	.21167	.22971	.22881	.20700	45.390	.20702	.20898

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.30314	.20748	11.286	11.174	12.213	.20598	18.037	.23941	.21117
Stddev	.00207	.00013	.000	.015	.049	.00119	.028	.00087	.00020
%RSD	.68157	.06404	.00301	.13836	.40272	.57746	.15560	.36164	.09678

#1	.30168	.20739	11.285	11.185	12.248	.20682	18.017	.23879	.21132
#2	.30460	.20758	11.286	11.163	12.178	.20514	18.057	.24002	.21103

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.328	.25739	.20713	6.565	.20986	.20584	19.847	.19590	.41753
Stddev	.015	.00058	.00057	.004	.00016	.00070	.068	.00070	.00108
%RSD	.05291	.22545	.27520	.0559	.07650	.34175	.34047	.35670	.25870

#1	28.339	.25780	.20753	6.567	.20974	.20634	19.895	.19639	.41830
#2	28.317	.25697	.20673	6.562	.20997	.20534	19.799	.19541	.41677

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.25928	.20335	.20475	.22608
Stddev	.00113	.00195	.00089	.00290
%RSD	.43657	.95768	.43539	1.2835

#1	.25848	.20472	.20412	.22403
#2	.26008	.20197	.20538	.22814

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3344.7	4929.6	50681.	10521.
Stddev	6.0	1.7	142.	23.
%RSD	.18052	.03500	.28049	.22207

#1	3349.0	4930.8	50781.	10537.
#2	3340.4	4928.4	50580.	10504.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05012	11.070	.20831	.22178	.22586	.20196	46.020	.20352	.20477
Stddev	.00045	.027	.00305	.00094	.00083	.00046	.174	.00008	.00035
%RSD	.90742	.24383	1.4641	.42264	.36833	.22679	.37814	.03938	.17094

#1	.05044	11.050	.20615	.22112	.22527	.20164	45.897	.20346	.20452
#2	.04979	11.089	.21047	.22245	.22645	.20229	46.143	.20357	.20502

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29817	.20398	11.142	10.838	12.200	.20058	18.053	.23344	.20633
Stddev	.00287	.00108	.027	.123	.057	.00211	.040	.00180	.00065
%RSD	.96372	.53179	.24419	1.1309	.47051	1.0508	.22134	.77284	.31487

#1	.29614	.20321	11.162	10.751	12.159	.19909	18.025	.23217	.20587
#2	.30020	.20474	11.123	10.924	12.240	.20207	18.082	.23472	.20679

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.200	.24853	.20543	6.701	.20606	.19947	19.947	.19888	.40704
Stddev	.173	.00014	.00159	.016	.00061	.00604	.133	.00067	.00217
%RSD	.61183	.05755	.77426	.2315	.29501	3.0292	.66618	.33493	.53281

#1	28.078	.24863	.20656	6.690	.20649	.19520	19.853	.19935	.40551
#2	28.322	.24843	.20431	6.712	.20563	.20374	20.041	.19841	.40857

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.26114	.19683	.20166	.22117
Stddev	.00255	.00102	.00150	.00064
%RSD	.97577	.52057	.74472	.28737

#1	.26294	.19755	.20060	.22162
#2	.25934	.19611	.20272	.22072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3368.5	4958.7	50725.	10315.
Stddev	1.4	1.3	207.	102.
%RSD	.04190	.02667	.40876	.98971

#1	3367.5	4957.7	50871.	10242.
#2	3369.5	4959.6	50578.	10387.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05127	11.174	.20926	.22338	.22732	.20533	46.253	.20443	.20512
Stddev	.00032	.054	.00098	.00014	.00015	.00023	.079	.00016	.00077
%RSD	.62309	.47889	.47041	.06138	.06603	.11238	.17074	.07710	.37353

#1	.05104	11.136	.20857	.22347	.22722	.20517	46.197	.20454	.20566
#2	.05149	11.212	.20996	.22328	.22743	.20550	46.309	.20432	.20457

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29683	.20629	11.210	10.972	12.195	.20332	18.068	.23325	.20794
Stddev	.00275	.00064	.007	.020	.003	.00000	.165	.00085	.00042
%RSD	.92765	.30805	.06210	.17913	.02048	.00151	.91564	.36608	.20178

#1	.29489	.20584	11.215	10.958	12.197	.20331	17.951	.23265	.20824
#2	.29878	.20674	11.205	10.986	12.193	.20332	18.185	.23385	.20764

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.378	.24671	.20368	6.636	.20916	.19613	19.895	.19851	.41163
Stddev	.071	.00027	.00292	.029	.00139	.00142	.014	.00075	.00161
%RSD	.25025	.10898	1.4338	.4449	.66663	.72182	.07225	.37702	.39149

#1	28.328	.24690	.20574	6.657	.20818	.19513	19.885	.19904	.41049
#2	28.428	.24652	.20161	6.616	.21015	.19713	19.905	.19798	.41277

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.25060	.19848	.20267	.22067
Stddev	.00172	.00383	.00032	.00335
%RSD	.68633	1.9311	.15711	1.5195

#1	.24938	.19577	.20245	.21829
#2	.25181	.20119	.20290	.22304

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3376.8	4970.0	50674.	10364.
Stddev	12.4	9.4	332.	11.
%RSD	.36741	.18862	.65421	.10429

#1	3368.1	4963.3	50908.	10356.
#2	3385.6	4976.6	50439.	10371.

Sample Name: 480-28140-C-2-A Acquired: 11/12/2012 16:33:49 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0096	.05682	.00033	.02070	.01145	-0.0006	35.852	.00057	.00041
Stddev	.00100	.01160	.00141	.00087	.00008	.00002	.210	.00061	.00085
%RSD	104.73	20.422	426.26	4.2123	.66169	37.294	.58643	107.12	206.94

#1	-.00025	.04861	-.00067	.02008	.01150	-.00007	35.704	.00014	-.00019
#2	-.00167	.06502	.00133	.02131	.01140	-.00004	36.001	.00101	.00101

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00167	.00025	.02885	1.0971	1.1710	.00121	9.4288	.00559	.00138
Stddev	.00023	.00013	.00357	.0172	.0100	.00137	.0053	.00000	.00071
%RSD	13.767	50.161	12.387	1.5688	.85321	113.23	.05620	.01825	51.730

#1	.00151	.00016	.02632	1.1093	1.1780	.00024	9.4325	.00559	.00087
#2	.00183	.00034	.03137	1.0850	1.1639	.00219	9.4251	.00559	.00188

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.839	.00143	.00214	6.998	.00020	.00044	5.4997	.00001	.18907
Stddev	.116	.00048	.00099	.011	.00039	.00060	.0704	.00046	.00106
%RSD	.61557	33.610	46.168	.1502	192.59	137.64	1.2797	5634.5	.55826

#1	18.757	.00109	.00284	6.991	-.00007	.00001	5.4500	-.00032	.18832
#2	18.921	.00177	.00144	7.005	.00048	.00086	5.5495	.00033	.18982

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00049	.00059	.00222	.00472
Stddev	.00010	.00139	.00000	.00043
%RSD	21.370	233.82	.18944	9.2200

#1	.00056	-.00039	.00223	.00441
#2	.00041	.00158	.00222	.00502

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3474.6	4983.6	51790.	10381.
Stddev	8.3	3.0	209.	5.
%RSD	.23781	.05987	.40397	.05276

#1	3468.8	4981.5	51938.	10377.
#2	3480.4	4985.7	51642.	10385.

Sample Name: 480-28111-A-1-A Acquired: 11/12/2012 16:35:56 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0085	.15405	.00083	.01007	.00617	-0.0003	16.452	.00015	-0.0003
Stddev	.00034	.00596	.00067	.00004	.00003	.00001	.019	.00005	.00001
%RSD	39.472	3.8682	81.313	.41917	.46361	42.506	.11257	31.395	30.547

#1	-.00061	.14984	.00130	.01004	.00619	-.00004	16.465	.00011	-.00002
#2	-.00109	.15827	.00035	.01010	.00615	-.00002	16.439	.00018	-.00004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00087	.00043	.16816	1.6346	1.4725	.00106	1.0885	.65691	-0.0009
Stddev	.00045	.00015	.00062	.0084	.0101	.00021	.0078	.00164	.00004
%RSD	52.000	34.750	.36616	.51207	.68439	19.332	.71935	.24966	47.885

#1	.00119	.00032	.16772	1.6405	1.4654	.00121	1.0941	.65807	-.00011
#2	.00055	.00053	.16859	1.6287	1.4796	.00092	1.0830	.65575	-.00006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.2782	-0.0028	.00100	2.435	-0.0096	-0.0118	3.5958	-0.0016	.06058
Stddev	.0094	.00048	.00005	.009	.00004	.00027	.0163	.00022	.00021
%RSD	.21912	170.19	4.5183	.3496	4.1051	22.621	.45299	141.55	.33975

#1	4.2848	.00006	.00097	2.429	-.00093	-.00099	3.6073	-.00031	.06073
#2	4.2715	-.00062	.00104	2.441	-.00098	-.00137	3.5843	.00000	.06044

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00127	-0.00085	.00028	.00234
Stddev	.00038	.00081	.00012	.00037
%RSD	30.093	95.261	44.993	15.634

#1	.00154	-.00028	.00037	.00208
#2	.00100	-.00142	.00019	.00260

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3581.5	5045.9	52285.	10620.
Stddev	1.2	6.4	360.	16.
%RSD	.03229	.12686	.68929	.14980

#1	3582.3	5050.4	52030.	10631.
#2	3580.7	5041.3	52540.	10608.

Sample Name: 480-28116-A-1-A Acquired: 11/12/2012 16:38:03 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0104	.02112	.00290	.36097	.06330	.00001	50.541	.01650	.00034
Stddev	.00040	.01248	.00147	.00034	.00041	.00002	.398	.00002	.00000
%RSD	38.242	59.096	50.745	.09478	.64253	208.73	.78725	.09842	.85642

#1	-.00076	.01229	.00186	.36073	.06359	-.00001	50.823	.01648	.00034
#2	-.00133	.02994	.00394	.36121	.06301	.00003	50.260	.01651	.00034

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17909	.00069	.00159	6.0431	7.8520	.00069	7.6745	.00306	.00056
Stddev	.00197	.00017	.00040	.0010	.0864	.00030	.0183	.00292	.00018
%RSD	1.1023	24.503	25.236	.01572	1.0999	43.033	.23864	95.287	31.671

#1	.18049	.00081	.00131	6.0424	7.9131	.00090	7.6615	.00100	.00043
#2	.17770	.00057	.00188	6.0438	7.7909	.00048	7.6874	.00512	.00068

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	93.570	.13002	.00090	F 15.97	-.00158	.00121	7.4163	-.00026	.36793
Stddev	.102	.00055	.00201	.02	.00118	.00574	.0618	.00047	.00224
%RSD	.10872	.42503	223.41	.1417	74.517	473.71	.83363	178.91	.60836

#1	93.498	.12963	.00232	15.95	-.00075	.00527	7.4600	-.00059	.36951
#2	93.642	.13041	-.00052	15.98	-.00241	-.00285	7.3726	.00007	.36635

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	-.00005	-.00053	.00026	.00211
Stddev	.00014	.00005	.00009	.00012
%RSD	261.96	9.1852	34.663	5.5936

#1	-.00015	-.00049	.00020	.00219
#2	.00004	-.00056	.00033	.00203

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3367.6	4955.9	50947.	10463.
Stddev	5.7	8.3	20.	52.
%RSD	.16849	.16700	.03922	.50066

#1	3371.7	4961.8	50961.	10426.
#2	3363.6	4950.1	50933.	10500.

Sample Name: CCV Acquired: 11/12/2012 16:40:17 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49875	24.823	50456	50032	50439	49722	25.183	50181	49453	50162	49875	24.379	25.131
Stddev	.00179	.028	.00061	.00246	.00066	.00011	.079	.00019	.00001	.00176	.00143	.031	.007
%RSD	.35849	.11380	.12048	.49118	.13106	.02228	.31520	.03823	.00211	.35072	.28769	.12725	.02887

#1	.50002	24.803	.50413	.50206	.50486	.49730	25.127	.50167	.49453	.50286	.49976	24.401	25.126
#2	.49749	24.843	.50499	.49858	.50393	.49714	25.239	.50194	.49454	.50037	.49773	24.357	25.137

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.086	49757	24.523	50467	49978	25.190	49727	50163	24.55	51192	49907	25.058	50164
Stddev	.128	.00337	.111	.00228	.00031	.039	.00137	.00146	.01	.00325	.00307	.018	.00111
%RSD	.48898	.67666	.45091	.45120	.06125	.15345	.27557	.29045	.0415	.63415	.61440	.07266	.22097

#1	25.995	.49995	24.602	.50628	.49956	25.162	.49630	.50060	24.56	.51421	.49690	25.071	.50242
#2	26.176	.49519	24.445	.50306	.49999	25.217	.49824	.50266	24.54	.50962	.50124	25.045	.50086

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	50180	50082	50423	49729	50628
Stddev	.00085	.00212	.00007	.00125	.00101
%RSD	.16858	.42378	.01334	.25168	.20047

#1	.50240	.50232	.50418	.49817	.50700
#2	.50121	.49932	.50428	.49640	.50556

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3346.7	4966.6	50596.	10101.
Stddev	9.3	13.9	223.	48.
%RSD	.27662	.27976	.44065	.47524

#1	3353.3	4976.4	50438.	10135.
#2	3340.2	4956.7	50754.	10067.

Sample Name: CCB Acquired: 11/12/2012 16:42:24 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0060	-0.00369	.00190	.00283	.00003	.00001	.00270	.00080	.00064	-0.00039	-0.00055	.00061	.02403
Stddev	.00020	.00315	.00034	.00110	.00003	.00008	.00210	.00093	.00098	.00002	.00023	.00026	.02356
%RSD	33.371	85.344	17.882	39.055	74.054	518.61	77.737	115.24	153.98	6.3085	41.690	41.929	98.030

#1	-0.0046	-0.00592	.00166	.00205	.00005	-0.0004	.00122	.00015	-0.0006	-0.00037	-0.00039	.00079	.04069
#2	-0.0074	-0.00146	.00214	.00361	.00002	.00007	.00419	.00146	.00133	-0.00041	-0.00071	.00043	.00737

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00272	-0.00016	.00159	-0.00001	.00073	.01639	.00088	.00189	F .0620	.00037	-0.00226	.02126	.00062
Stddev	.00003	.00047	.00043	.00007	.00096	.00158	.00108	.00090	.0621	.00251	.00262	.00788	.00141
%RSD	1.1909	301.93	26.919	1036.9	131.58	9.6517	122.67	47.415	100.2	688.02	115.58	37.075	227.19

#1	.00274	.00018	.00189	.00004	.00005	.01527	.00012	.00126	.0181	-0.00141	-0.00411	.01569	-0.00038
#2	.00270	-0.00049	.00129	-0.00006	.00141	.01750	.00164	.00253	.1059	.00214	-0.00041	.02684	.00162

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-0.0040				

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00005	.00003	.00062	-0.00015	.00042
Stddev	.00005	.00030	.00001	.00069	.00070
%RSD	95.130	885.75	1.2672	471.65	164.83

#1	-0.00008	.00025	.00061	.00034	.00092
#2	-0.00002	-0.00018	.00063	-0.00064	-0.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3647.3	5120.3	52046.	10134.
Stddev	7.7	12.0	87.	32.
%RSD	.21035	.23486	.16712	.31549

#1	3652.7	5128.8	52108.	10156.
#2	3641.9	5111.8	51985.	10111.

Sample Name: 480-28124-B-1-A Acquired: 11/12/2012 16:44:35 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0062	.20712	.00190	.01014	.01192	.00029	94.374	.00019	.00029
Stddev	.00031	.01960	.00311	.00017	.00013	.00041	3.323	.00008	.00003
%RSD	49.885	9.4649	163.74	1.7161	1.0927	139.52	3.5213	42.251	9.8236

#1	-.00040	.22098	.00409	.01026	.01183	.00058	96.724	.00025	.00027
#2	-.00084	.19326	-.00030	.01002	.01201	.00000	92.024	.00013	.00031

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00654	.00367	.23959	63.603	59.276	.00119	1.9332	.03822	.00161
Stddev	.00036	.00015	.02653	2.266	2.334	.00092	.0315	.00030	.00009
%RSD	5.5012	4.0230	11.075	3.5633	3.9368	77.230	1.6301	.78966	5.6749

#1	.00629	.00378	.25835	65.205	60.927	.00184	1.9110	.03801	.00155
#2	.00680	.00357	.22082	62.000	57.626	.00054	1.9555	.03844	.00168

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	54.815	.01700	.00186	F 71.76	-0.0065	-0.00179	4.0624	-0.0002	.08089
Stddev	2.504	.00054	.00234	.02	.00001	.00340	.1676	.00010	.00345
%RSD	4.5686	3.1914	126.24	.0328	1.7490	189.66	4.1247	459.39	4.2630

#1	56.586	.01738	.00020	71.78	-.00064	-.00419	4.1809	-.00009	.08332
#2	53.044	.01662	.00351	71.75	-.00066	.00061	3.9440	.00005	.07845

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00511	-.00058	.00967	.02420
Stddev	.00014	.00289	.00041	.00042
%RSD	2.7834	495.01	4.2825	1.7514

#1	.00501	-.00262	.00937	.02390
#2	.00521	.00146	.00996	.02450

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3287.3	4864.0	49663.	10054.
Stddev	7.3	9.3	580.	317.
%RSD	.22136	.19134	1.1676	3.1481

#1	3282.2	4857.5	50073.	9830.4
#2	3292.5	4870.6	49253.	10278.

Sample Name: 480-28126-A-2-A Acquired: 11/12/2012 16:46:48 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0064	.07374	.00146	.00955	.01203	.00001	3.6749	.00009	.00007
Stddev	.00061	.00367	.00158	.00049	.00019	.00010	.0239	.00004	.00007
%RSD	95.883	4.9711	108.33	5.1334	1.5750	671.39	.65105	48.064	105.96

#1	-.00108	.07114	.00034	.00990	.01216	-.00005	3.6580	.00006	.00012
#2	-.00021	.07633	.00257	.00920	.01189	.00008	3.6918	.00012	.00002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.02188	.60358	.78375	^ *****	.00046	1.0415	.04144	.00047
Stddev	.00027	.00002	.00652	.05525	----	.00089	.0034	.00027	.00005
%RSD	80.725	.08805	1.0800	7.0491	----	192.77	.32230	.64326	11.327

#1	.00052	.02190	.60819	.74469	.61571	-.00017	1.0439	.04163	.00050
#2	.00014	.02187	.59897	.82282	^ ----	.00109	1.0391	.04126	.00043

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.008	.00042	.00293	1.441	.00030	-.00421	2.7619	-.00035	.01871
Stddev	.075	.00040	.00075	.000	.00046	.00133	.0018	.00029	.00006
%RSD	.50241	95.912	25.611	.0258	152.59	31.685	.06455	81.725	.34437

#1	15.061	.00013	.00240	1.440	.00063	-.00516	2.7632	-.00056	.01875
#2	14.954	.00070	.00346	1.441	-.00002	-.00327	2.7607	-.00015	.01866

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00150	-.00028	.00026	.04807
Stddev	.00013	.00096	.00041	.00194
%RSD	8.8766	342.40	157.93	4.0346

#1	.00159	.00040	.00055	.04944
#2	.00141	-.00096	-.00003	.04669

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3599.5	5073.7	52354.	10535.
Stddev	.2	8.4	664.	94.
%RSD	.00624	.16547	1.2673	.89210

#1	3599.6	5079.7	51885.	10469.
#2	3599.3	5067.8	52823.	10602.

Sample Name: 480-27894-A-8-B Acquired: 11/12/2012 16:48:55 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0054	.71928	.00490	.13446	.09480	-0.0005	120.13	.00125	.00112
Stddev	.00023	.01933	.00129	.00095	.00078	.00011	1.56	.00021	.00007
%RSD	42.133	2.6876	26.278	.70386	.82484	200.34	1.3013	17.209	6.4388

#1	-0.0070	.70561	.00581	.13513	.09535	-0.0013	119.03	.00110	.00107
#2	-0.0038	.73295	.00399	.13379	.09424	.00002	121.24	.00140	.00117

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01263	.03192	2.2228	10.341	23.829	.01343	26.559	.03985	.01204
Stddev	.00047	.00046	.0265	.137	.397	.00064	.058	.00017	.00030
%RSD	3.7072	1.4321	1.1942	1.3223	1.6658	4.7717	.21803	.43892	2.4544

#1	.01230	.03224	2.2040	10.244	23.548	.01388	26.600	.03997	.01183
#2	.01296	.03160	2.2415	10.438	24.109	.01298	26.518	.03973	.01225

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2376.4	.03437	.02274	F 1550.	.00422	.00005	3.6639	.00254	.73543
Stddev	29.0	.00053	.00382	12.	.00095	.00230	.0390	.00002	.00923
%RSD	1.2192	1.5383	16.810	.7747	22.535	4808.5	1.0637	.70353	1.2554

#1	2355.9	.03400	.02545	1559.	.00489	.00168	3.6363	.00253	.72890
#2	2396.9	.03474	.02004	1542.	.00355	-.00158	3.6915	.00256	.74196

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.02460	-.00026	.00782	.15727
Stddev	.00040	.00113	.00010	.00071
%RSD	1.6226	443.49	1.2791	.45154

#1	.02488	-.00106	.00775	.15777
#2	.02432	.00055	.00789	.15677

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2582.6	4301.3	42421.	9698.6
Stddev	24.2	36.6	191.	126.4
%RSD	.93600	.85062	.44907	1.3028

#1	2565.5	4275.4	42286.	9788.0
#2	2599.7	4327.1	42555.	9609.3

Sample Name: MB 480-90035/1-B Acquired: 11/12/2012 16:51:13 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0061	.01837	.00010	.00359	.00009	-0.0001	.05592	-0.0002	-0.0009
Stddev	.00013	.00739	.00096	.00019	.00002	.00007	.01226	.00006	.00013
%RSD	21.550	40.248	937.08	5.2609	18.694	870.96	21.929	327.46	140.01

#1	-0.0070	.02360	.00078	.00372	.00010	-0.00005	.06459	.00002	.00000
#2	-0.0052	.01314	-0.00058	.00345	.00008	.00004	.04725	-0.00006	-0.00018

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	-0.00033	.00243	.11183	.00640	.00041	.00077	.00029	.00015
Stddev	.00008	.00005	.00101	.02441	.00018	.00054	.00281	.00000	.00006
%RSD	39.926	14.734	41.473	21.827	2.8110	130.55	365.88	.47727	42.106

#1	.00026	-0.00030	.00172	.12908	.00628	.00079	-0.00122	.00029	.00010
#2	.00014	-0.00037	.00314	.09457	.00653	.00003	.00275	.00029	.00019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.59295	-0.00023	.00186	F .1387	-0.00034	-0.00291	.00418	-0.00035	.00029
Stddev	.18555	.00031	.00022	.0027	.00055	.00190	.00349	.00066	.00003
%RSD	31.292	134.08	11.688	1.942	159.78	65.457	83.482	185.86	11.096

#1	.72416	-0.00001	.00201	.1406	-0.00073	-0.00156	.00171	.00011	.00027
#2	.46175	-0.00045	.00171	.1368	.00004	-0.00425	.00665	-0.00082	.00032

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0030					
Low Limit				-.0040					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	-0.00010	-0.00138	-0.00067	.00126
Stddev	.00039	.00109	.00014	.00037
%RSD	402.20	78.789	21.369	29.333

#1	.00018	-0.00061	-0.00077	.00100
#2	-0.00037	-0.00215	-0.00057	.00152

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3619.2	5093.0	53102.	10398.
Stddev	3.9	3.6	111.	99.
%RSD	.10866	.07009	.20881	.95146

#1	3616.4	5090.5	53024.	10328.
#2	3622.0	5095.5	53180.	10468.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05033	9.8453	.20809	.20737	.20683	.20216	10.713	.20481	.20454
Stddev	.00046	.2143	.00157	.00113	.00068	.00521	.832	.00041	.00053
%RSD	.92322	2.1762	.75437	.54432	.32707	2.5778	7.7682	.20099	.25896

#1	.05066	9.9968	.20920	.20816	.20731	.20585	10.125	.20510	.20492
#2	.05001	9.6938	.20698	.20657	.20635	.19848	11.302	.20452	.20417

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20737	.20215	9.9098	10.130	10.117	.19690	10.232	.20263	.20700
Stddev	.00054	.00139	.2297	.029	.040	.00504	.022	.00057	.00036
%RSD	.25909	.68897	2.3178	.28960	.39289	2.5607	.21921	.28078	.17177

#1	.20775	.20314	10.072	10.151	10.145	.20047	10.216	.20222	.20725
#2	.20699	.20117	9.7474	10.109	10.089	.19334	10.248	.20303	.20675

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 22.039	.20077	.20544	F .0829	.20657	.20146	10.070	.19646	.20438
Stddev	17.102	.00075	.00162	.0121	.00022	.00309	.186	.00019	.00154
%RSD	77.602	.37124	.78680	14.55	.10632	1.5322	1.8427	.09496	.75477

#1	9.9453	.20129	.20658	.0744	.20641	.20365	10.201	.19659	.20329
#2	34.132	.20024	.20429	.0914	.20672	.19928	9.9386	.19633	.20547

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	11.500			11.50					
Low Limit	8.5000			8.500					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19474	.19802	.19843	.21533
Stddev	.00086	.00434	.00110	.00014
%RSD	.43989	2.1909	.55477	.06287

#1	.19414	.20108	.19921	.21524
#2	.19535	.19495	.19765	.21543

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3474.5	5026.7	52353.	10399.
Stddev	10.4	10.2	212.	24.
%RSD	.30014	.20374	.40527	.23279

#1	3481.9	5034.0	52203.	10382.
#2	3467.1	5019.5	52503.	10417.

Sample Name: 480-27977-B-1-A Acquired: 11/12/2012 16:55:28 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0042	.02955	.00322	.20334	.06912	-0.0001	16.608	.00005	-0.0010
Stddev	.00033	.00413	.00192	.00006	.00013	.00009	.032	.00006	.00026
%RSD	78.360	13.975	59.518	.02811	.18164	1895.4	.19454	118.01	257.47

#1	-0.00066	.02663	.00458	.20330	.06920	.00006	16.585	.00009	-0.00029
#2	-0.00019	.03247	.00187	.20338	.06903	-0.00007	16.631	.00001	.00008

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	-0.0013	.24412	.91966	1.0381	.02535	2.7418	.04137	.02431
Stddev	.00074	.00000	.00042	.01114	.0128	.00080	.0024	.00019	.00034
%RSD	265.12	.89699	.17134	1.2108	1.2366	3.1448	.08617	.45471	1.4176

#1	.00080	-0.0013	.24382	.91178	1.0291	.02592	2.7435	.04150	.02455
#2	-0.00024	-0.00013	.24441	.92753	1.0472	.02479	2.7402	.04124	.02406

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	51.716	-0.00030	.00156	5.992	-0.00075	.00057	4.2828	.00007	.25440
Stddev	.207	.00014	.00027	.005	.00002	.00103	.0324	.00002	.00003
%RSD	.40015	46.652	17.175	.0829	3.0159	182.17	.75755	31.906	.01202

#1	51.862	-0.00040	.00175	5.988	-0.00074	-0.00016	4.2599	.00006	.25443
#2	51.570	-0.00020	.00137	5.995	-0.00077	.00130	4.3058	.00009	.25438

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00027	-0.00163	-0.00021	.00157
Stddev	.00007	.00146	.00039	.00029
%RSD	24.417	89.313	182.13	18.232

#1	.00022	-0.00060	-0.00049	.00177
#2	.00031	-0.00267	.00006	.00136

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3465.5	4998.4	51410.	10248.
Stddev	5.7	6.5	225.	61.
%RSD	.16370	.13044	.43703	.59454

#1	3469.5	5003.0	51251.	10291.
#2	3461.5	4993.7	51569.	10205.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0114	.02417	.01787	.25218	.29385	-0.0004	105.20	-0.0028	-0.0008
Stddev	.00014	.00566	.00109	.00114	.00133	.00001	.36	.00003	.00000
%RSD	12.292	23.440	6.1148	.45302	.45284	21.484	.33904	11.293	5.5783

#1	-.00104	.02016	.01709	.25299	.29479	-.00003	105.45	-.00026	-.00008
#2	-.00124	.02817	.01864	.25137	.29291	-.00004	104.95	-.00030	-.00008

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00098	.00051	17.707	9.8529	11.640	.00871	15.843	1.4988	.00050
Stddev	.00020	.00003	.010	.0019	.063	.00001	.010	.0035	.00012
%RSD	20.480	6.1144	.05707	.01950	.54493	.10129	.06038	.23249	23.525

#1	.00084	.00053	17.714	9.8516	11.685	.00870	15.849	1.5013	.00059
#2	.00112	.00049	17.700	9.8543	11.595	.00872	15.836	1.4964	.00042

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	36.083	.00184	.00285	3.971	-0.00124	-0.00173	11.978	-0.00044	.46560
Stddev	.035	.00046	.00091	.021	.00159	.00473	.076	.00054	.00186
%RSD	.09633	25.166	32.112	.5263	128.49	273.99	.63311	124.54	.39868

#1	36.108	.00151	.00220	3.956	-.00236	-.00507	12.032	-.00082	.46691
#2	36.059	.00217	.00349	3.986	-.00011	.00162	11.925	-.00005	.46429

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00074	.00002	.00163	.00227
Stddev	.00003	.00092	.00014	.00054
%RSD	3.6728	4095.5	8.9028	23.917

#1	.00076	.00068	.00153	.00266
#2	.00073	-.00063	.00173	.00189

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3315.2	4902.6	50198.	10223.
Stddev	6.3	12.5	132.	20.
%RSD	.19078	.25416	.26336	.19152

#1	3319.7	4911.4	50104.	10209.
#2	3310.7	4893.8	50291.	10237.

Sample Name: 480-27977-B-3-A Acquired: 11/12/2012 16:59:42 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0079	.02532	.00284	.02255	.10802	.00022	100.63	.00019	-0.0012
Stddev	.00011	.00281	.00286	.00029	.00119	.00025	.85	.00022	.00012
%RSD	13.667	11.103	100.52	1.2975	1.1037	114.12	.84332	117.26	103.49

#1	-0.0071	.02333	.00082	.02234	.10718	.00040	100.03	.00003	-0.0020
#2	-0.0087	.02731	.00486	.02275	.10887	.00004	101.23	.00035	-0.0003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00088	.00057	1.2230	2.9039	3.6523	.00541	15.577	.16389	.01202
Stddev	.00053	.00001	.1800	.1000	.0059	.00073	.169	.00110	.00001
%RSD	60.675	1.6848	14.722	3.4438	.16102	13.515	1.0857	.67141	.05400

#1	.00125	.00057	1.3503	2.9747	3.6481	.00593	15.457	.16312	.01202
#2	.00050	.00058	1.0957	2.8332	3.6564	.00489	15.697	.16467	.01202

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	61.618	.00051	.00100	5.147	-0.00113	-0.00056	5.8895	-0.00033	.38824
Stddev	.044	.00039	.00025	.013	.00235	.00256	.0848	.00043	.00023
%RSD	.07110	77.097	25.197	.2562	207.29	455.44	1.4406	127.68	.06042

#1	61.587	.00023	.00082	5.138	-0.00279	-0.00237	5.9495	-0.0003	.38808
#2	61.649	.00078	.00118	5.156	.00053	.00125	5.8295	-0.00063	.38841

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00082	-0.0007	-0.00035	.00165
Stddev	.00022	.00149	.00069	.00040
%RSD	27.256	2139.4	198.50	24.422

#1	.00097	.00098	-.00084	.00194
#2	.00066	-.00112	.00014	.00137

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3284.9	4835.9	49686.	10327.
Stddev	14.4	20.4	146.	65.
%RSD	.43928	.42239	.29313	.62815

#1	3295.1	4850.3	49789.	10281.
#2	3274.7	4821.5	49583.	10373.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0074	.01063	.00076	.00458	.02187	-0.0003	21.015	.00016	-0.0018
Stddev	.00042	.00199	.00375	.00023	.00023	.00006	.421	.00012	.00023
%RSD	57.399	18.725	490.46	5.0589	1.0515	175.47	2.0052	70.731	122.84

#1	-.00044	.00922	.00341	.00441	.02203	.00001	20.717	.00008	-.00002
#2	-.00104	.01204	-.00189	.00474	.02171	-.00007	21.313	.00025	-.00034

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00058	-0.00037	.23607	.61650	.56695	.00052	3.1249	.03306	.00280
Stddev	.00038	.00040	.01427	.02138	.00642	.00012	.0038	.00020	.00017
%RSD	65.228	107.53	6.0465	3.4686	1.1325	23.395	.12163	.61225	5.8940

#1	.00085	-.00009	.22598	.60138	.57149	.00061	3.1276	.03320	.00269
#2	.00031	-.00065	.24616	.63162	.56241	.00043	3.1223	.03292	.00292

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.703	-0.0017	.00126	1.018	-0.00081	-0.00226	1.2061	-0.00038	.07987
Stddev	.254	.00022	.00065	.002	.00032	.00041	.0162	.00061	.00203
%RSD	2.0012	134.16	51.436	.1916	39.035	18.035	1.3425	162.80	2.5411

#1	12.523	-.00001	.00080	1.019	-.00059	-.00254	1.1946	.00006	.07843
#2	12.883	-.00033	.00171	1.017	-.00104	-.00197	1.2175	-.00081	.08130

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	-0.0038	.00103	.00012	.00019
Stddev	.00068	.00227	.00021	.00018
%RSD	177.35	220.88	168.80	92.931

#1	-.00086	.00264	.00027	.00007
#2	.00010	-.00058	-.00002	.00032

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3527.8	5019.0	51694.	10216.
Stddev	11.8	12.9	345.	65.
%RSD	.33451	.25721	.66743	.64058

#1	3536.2	5028.2	51450.	10170.
#2	3519.5	5009.9	51938.	10262.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05066	10.136	.21197	.23576	.30780	.20601	108.95	.20728	.20810
Stddev	.00050	.024	.00147	.00331	.00007	.00046	.81	.00297	.00334
%RSD	.99142	.23842	.69327	1.4055	.02409	.22102	.73906	1.4323	1.6041

#1	.05102	10.153	.21301	.23811	.30774	.20633	109.52	.20938	.21046
#2	.05031	10.119	.21093	.23342	.30785	.20568	108.38	.20518	.20574

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20152	.20255	10.954	13.074	16.292	.20784	25.266	.36247	.21908
Stddev	.00008	.00000	.035	.019	.447	.00120	.082	.00043	.00222
%RSD	.04076	.00029	.31907	.14303	2.7435	.57835	.32373	.11731	1.0126

#1	.20158	.20255	10.979	13.060	16.609	.20869	25.208	.36217	.22064
#2	.20146	.20255	10.929	13.087	15.976	.20699	25.324	.36277	.21751

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	70.977	.20575	.20843	5.020	.20769	.20504	16.416	.19759	.59087
Stddev	.081	.00411	.00341	.082	.00471	.00555	.126	.00310	.00200
%RSD	.11452	1.9981	1.6346	1.623	2.2663	2.7059	.77023	1.5667	.33845

#1	71.034	.20866	.21084	5.077	.21102	.20111	16.505	.19977	.59229
#2	70.919	.20285	.20602	4.962	.20436	.20896	16.327	.19540	.58946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.20491	.20149	.20014	.21790
Stddev	.00135	.00377	.00098	.00210
%RSD	.65757	1.8687	.49110	.96479

#1	.20396	.20415	.19944	.21641
#2	.20587	.19883	.20083	.21938

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3210.6	4831.9	49406.	10383.
Stddev	36.5	48.3	358.	140.
%RSD	1.1363	.99989	.72361	1.3436

#1	3184.8	4797.7	49659.	10285.
#2	3236.4	4866.0	49153.	10482.

Sample Name: CCV Acquired: 11/12/2012 17:06:21 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49857	24.778	49997	49718	50298	49831	25.107	50150	49514	50366	49781	24.459	25.229
Stddev	.00110	.083	.00217	.00114	.00279	.00189	.097	.00028	.00187	.00148	.00233	.032	.085
%RSD	.22080	.33369	.43497	.22912	.55522	.37844	.38492	.05484	.37717	.29367	.46890	.12933	.33791

#1	.49779	24.836	.50151	.49638	.50495	.49965	25.175	.50170	.49382	.50262	.49616	24.482	25.289
#2	.49935	24.719	.49843	.49799	.50101	.49698	25.038	.50131	.49646	.50471	.49946	24.437	25.168

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.117	49558	24.684	50735	49993	25.033	49918	50490	24.58	50876	49959	25.021	50412
Stddev	.029	.00327	.077	.00118	.00010	.080	.00070	.00200	.02	.00050	.00353	.039	.00100
%RSD	.11051	.66043	.31329	.23174	.01921	.31991	.14025	.39637	.0846	.09897	.70667	.15638	.19928

#1	26.138	.49789	24.629	.50652	.49986	25.089	.49869	.50348	24.57	.50840	.49709	25.049	.50483
#2	26.097	.49326	24.739	.50819	.50000	24.976	.49968	.50631	24.60	.50912	.50209	24.994	.50341

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	50065	50472	50449	49744	51111
Stddev	.00266	.00141	.00239	.00162	.00072
%RSD	.53128	.27913	.47346	.32536	.14127

#1	.50253	.50372	.50280	.49630	.51060
#2	.49877	.50572	.50618	.49859	.51163

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3324.1	4946.9	50426.	10043.
Stddev	4.0	2.2	128.	8.
%RSD	.12117	.04356	.25348	.08352

#1	3327.0	4945.4	50516.	10037.
#2	3321.3	4948.4	50336.	10049.

Sample Name: CCB Acquired: 11/12/2012 17:08:32 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0056	.00588	.00228	.00100	.00002	-0.00003	.00266	.00004	-0.00005	-0.00040	-0.00099	-0.00042	.05762
Stddev	.00088	.00121	.00028	.00010	.00003	.00000	.00167	.00009	.00012	.00018	.00022	.00228	.04145
%RSD	157.47	20.617	12.297	10.435	184.57	13.064	62.719	240.84	234.85	44.041	22.075	537.96	71.927

#1	-0.0118	.00502	.00248	.00108	.00004	-0.00003	.00383	-0.00003	-0.00013	-0.00028	-0.00114	-0.00204	.02832
#2	.00006	.00674	.00208	.00093	-0.00001	-0.00002	.00148	.00010	.00003	-0.00052	-0.00083	.00119	.08693

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00328	.00019	.00229	-0.00001	.00022	.04915	-0.00002	.00166	F .0252	.00127	-0.00042	.00938	-0.00017
Stddev	.00004	.00000	.00174	.00004	.00009	.00107	.00019	.00211	.0002	.00073	.00147	.00824	.00030
%RSD	1.1179	2.0496	76.196	480.20	42.837	2.1851	1000.5	127.08	.7671	57.048	347.99	87.823	172.70

#1	.00330	.00019	.00352	.00002	.00028	.04991	.00012	.00017	.0254	.00179	.00062	.00355	.00004
#2	.00325	.00019	.00105	-0.00004	.00015	.04839	-0.00015	.00315	.0251	.00076	-0.00146	.01520	-0.00038

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00006	-0.00002	.00110	.00007	.00025
Stddev	.00004	.00029	.00025	.00022	.00015
%RSD	66.700	1202.2	22.563	317.59	58.898

#1	-0.00003	-0.00023	.00092	.00023	.00015
#2	-0.00009	.00018	.00127	-0.00009	.00035

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3628.7	5110.1	52104.	10041.
Stddev	29.4	36.2	30.	39.
%RSD	.80886	.70799	.05762	.38749

#1	3607.9	5084.5	52083.	10068.
#2	3649.4	5135.7	52125.	10013.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05060	10.093	.20918	.22397	.31179	.20604	113.32	.20225	.20383
Stddev	.00028	.000	.00042	.00001	.00119	.00108	.44	.00020	.00087
%RSD	.55059	.00074	.20218	.00643	.38245	.52203	.38732	.09785	.42756

#1	.05079	10.093	.20888	.22398	.31263	.20528	113.01	.20239	.20444
#2	.05040	10.093	.20948	.22396	.31095	.20680	113.63	.20211	.20321

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20610	.20265	10.982	13.004	16.110	.20641	25.506	.36001	.21326
Stddev	.00177	.00052	.042	.086	.222	.00055	.138	.00271	.00049
%RSD	.85721	.25488	.38280	.65804	1.3805	.26859	.53939	.75257	.22835

#1	.20485	.20302	10.952	12.944	16.267	.20602	25.409	.35810	.21360
#2	.20735	.20228	11.012	13.065	15.953	.20680	25.603	.36193	.21291

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	72.090	.19884	.20314	5.052	.20523	.20195	16.284	.20047	.59474
Stddev	.549	.00063	.00317	.015	.00052	.00345	.066	.00114	.00381
%RSD	.76222	.31885	1.5614	.2957	.25252	1.7090	.40359	.57044	.64069

#1	71.702	.19839	.20090	5.062	.20560	.20439	16.237	.20128	.59205
#2	72.479	.19929	.20539	5.041	.20487	.19950	16.330	.19966	.59743

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19717	.19379	.20075	.21614
Stddev	.00049	.00145	.00044	.00126
%RSD	.24937	.75031	.22071	.58340

#1	.19682	.19276	.20106	.21525
#2	.19751	.19482	.20043	.21703

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3228.2	4872.5	49014.	10234.
Stddev	7.3	5.7	203.	16.
%RSD	.22742	.11684	.41480	.15372

#1	3223.0	4868.5	49158.	10246.
#2	3233.4	4876.5	48870.	10223.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05154	10.171	.21619	.22948	.31037	.20909	112.96	.20697	.20651
Stddev	.00002	.006	.00100	.00008	.00151	.00060	.08	.00036	.00070
%RSD	.04546	.06036	.46425	.03307	.48768	.28624	.06731	.17180	.34125

#1	.05156	10.175	.21548	.22953	.31145	.20951	112.90	.20722	.20701
#2	.05152	10.167	.21690	.22943	.30930	.20866	113.01	.20672	.20602

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20670	.20455	11.129	13.139	16.464	.20761	25.429	.35851	.21759
Stddev	.00045	.00122	.003	.023	.132	.00149	.130	.00177	.00072
%RSD	.21896	.59772	.02995	.17578	.80436	.71826	.51066	.49291	.33026

#1	.20702	.20542	11.131	13.123	16.371	.20866	25.521	.35976	.21809
#2	.20638	.20369	11.127	13.155	16.558	.20655	25.338	.35726	.21708

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	71.927	.20191	.20664	5.048	.21063	.20458	16.380	.20218	.59496
Stddev	.374	.00041	.00255	.025	.00097	.00497	.051	.00132	.00179
%RSD	.52028	.20093	1.2349	.4932	.45864	2.4292	.31102	.65379	.30095

#1	71.662	.20219	.20844	5.065	.21131	.20809	16.344	.20312	.59369
#2	72.191	.20162	.20483	5.030	.20995	.20106	16.416	.20125	.59623

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19826	.19966	.20198	.21614
Stddev	.00255	.00097	.00105	.00064
%RSD	1.2844	.48784	.51865	.29667

#1	.20006	.19897	.20272	.21660
#2	.19646	.20035	.20124	.21569

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3240.8	4869.8	49684.	10121.
Stddev	22.6	34.2	269.	26.
%RSD	.69799	.70254	.54061	.25693

#1	3224.8	4845.6	49494.	10103.
#2	3256.8	4894.0	49874.	10139.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0046	.04156	.00293	.05966	.15482	-0.0001	100.59	-0.0001	-0.0002
Stddev	.00006	.00544	.00253	.00121	.00010	.00014	.25	.00008	.00012
%RSD	12.648	13.083	86.364	2.0349	.06319	987.63	.24357	969.13	699.43

#1	-.00042	.03772	.00471	.06052	.15475	.00008	100.42	-.00006	-.00010
#2	-.00050	.04541	.00114	.05881	.15489	-.00011	100.77	.00005	.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00083	.00046	5.0166	7.1954	8.3975	.00881	17.846	.36148	.00090
Stddev	.00004	.00002	.0317	.0557	.0715	.00005	.009	.00032	.00021
%RSD	5.0243	4.9761	.63165	.77360	.85119	.60056	.05301	.08839	23.834

#1	.00086	.00044	4.9942	7.1560	8.3469	.00878	17.852	.36171	.00105
#2	.00080	.00048	5.0390	7.2348	8.4480	.00885	17.839	.36125	.00075

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	33.395	-0.0018	.00186	9.075	-0.00162	-0.00135	7.3786	-0.0016	.41933
Stddev	.122	.00010	.00060	.154	.00139	.00094	.0088	.00042	.00136
%RSD	.36501	56.142	32.489	1.692	86.043	69.320	.11912	266.73	.32447

#1	33.309	-.00011	.00143	9.183	-.00063	-.00069	7.3724	-.00045	.41837
#2	33.482	-.00025	.00228	8.966	-.00260	-.00201	7.3848	.00014	.42029

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00088	-0.00061	-0.00012	.00254
Stddev	.00052	.00007	.00047	.00056
%RSD	58.659	11.820	392.23	22.064

#1	.00052	-.00066	.00021	.00214
#2	.00125	-.00056	-.00045	.00294

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3323.7	4868.6	50446.	10448.
Stddev	29.6	50.4	30.	38.
%RSD	.88912	1.0359	.06016	.36758

#1	3302.8	4832.9	50425.	10475.
#2	3344.6	4904.2	50467.	10421.

Sample Name: 480-27977-B-5-A Acquired: 11/12/2012 17:17:09 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0114	.03331	.00537	.61080	.40662	.00027	164.70	-0.0010	.00098
Stddev	.00050	.01636	.00178	.00692	.00147	.00027	.94	.00000	.00002
%RSD	43.424	49.117	33.134	1.1330	.36262	99.479	.57302	2.0715	1.8371

#1	-.00079	.02174	.00662	.61570	.40767	.00008	165.37	-.00009	.00100
#2	-.00149	.04488	.00411	.60591	.40558	.00047	164.03	-.00010	.00097

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00171	.00179	11.667	3.9132	5.2098	.02121	21.444	.47675	.00235
Stddev	.00006	.00039	.028	.0240	.0975	.00144	.075	.00087	.00001
%RSD	3.4264	21.896	.23839	.61397	1.8716	6.7750	.34745	.18175	.50813

#1	.00167	.00152	11.686	3.8962	5.2787	.02019	21.391	.47613	.00236
#2	.00175	.00207	11.647	3.9302	5.1408	.02222	21.497	.47736	.00234

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	67.129	.00083	.00347	.8630	.00003	-.00171	12.474	.00012	1.5728
Stddev	.013	.00019	.00132	.0019	.00249	.00022	.055	.00103	.0051
%RSD	.01865	22.945	37.958	.2218	7349.3	12.772	.44157	874.75	.32639

#1	67.137	.00070	.00440	.8643	.00180	-.00156	12.513	-.00061	1.5764
#2	67.120	.00097	.00254	.8616	-.00173	-.00187	12.435	.00085	1.5691

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00169	-.00043	.00103	.00419
Stddev	.00078	.00081	.00030	.00068
%RSD	46.331	187.79	29.060	16.283

#1	.00114	.00014	.00082	.00371
#2	.00224	-.00100	.00124	.00467

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3200.9	4793.1	49890.	10455.
Stddev	25.6	41.6	531.	103.
%RSD	.79999	.86747	1.0650	.98145

#1	3182.8	4763.7	50266.	10382.
#2	3219.0	4822.5	49515.	10527.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0134	.02256	.00100	.03566	.07718	-0.0001	102.15	.00016	-0.0002
Stddev	.00028	.01239	.00064	.00086	.00041	.00007	.72	.00005	.00004
%RSD	20.703	54.941	63.959	2.4243	.53308	1311.8	.70361	33.936	206.91

#1	-.00115	.01380	.00145	.03628	.07747	.00004	101.64	.00020	-.00005
#2	-.00154	.03132	.00055	.03505	.07689	-.00005	102.66	.00012	.00001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00107	.00132	2.3575	2.5091	3.1355	.00343	13.516	.25828	.00739
Stddev	.00034	.00005	.0120	.0086	.0073	.00029	.057	.00065	.00024
%RSD	31.763	4.1444	.50996	.34418	.23287	8.5745	.42453	.25189	3.2364

#1	.00083	.00136	2.3490	2.5152	3.1303	.00364	13.476	.25782	.00722
#2	.00131	.00128	2.3660	2.5030	3.1406	.00322	13.557	.25874	.00756

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	61.402	.00028	.00172	4.822	-0.00095	-0.00446	6.8506	-0.00034	.41025
Stddev	.277	.00055	.00028	.037	.00072	.00276	.0573	.00001	.00088
%RSD	.45151	195.03	16.093	.7761	76.341	62.014	.83608	3.8600	.21486

#1	61.206	.00067	.00152	4.848	-.00146	-.00250	6.8101	-.00035	.40963
#2	61.598	-.00011	.00191	4.795	-.00044	-.00641	6.8911	-.00033	.41087

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00092	.00164	-.00012	.00227
Stddev	.00026	.00036	.00018	.00036
%RSD	28.306	21.929	152.17	15.673

#1	.00110	.00139	.00001	.00202
#2	.00073	.00190	-.00025	.00252

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3293.5	4850.1	49922.5	10311.
Stddev	15.9	25.9	54.	61.
%RSD	.48232	.53454	.10765	.59370

#1	3282.3	4831.8	49960.	10354.
#2	3304.7	4868.4	49884.	10267.

Sample Name: 480-27977-B-7-A Acquired: 11/12/2012 17:21:20 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0112	.02671	.00231	.09497	.03445	-0.0001	126.15	.00005	.00054
Stddev	.00051	.00288	.00083	.00144	.00034	.00014	.09	.00008	.00012
%RSD	45.217	10.791	36.106	1.5186	.98643	1971.2	.07386	182.23	22.739

#1	-.00148	.02874	.00172	.09395	.03469	.00009	126.08	-.00001	.00046
#2	-.00076	.02467	.00290	.09599	.03421	-.00011	126.22	.00010	.00063

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00080	.00039	.58601	.70886	.88151	.00618	15.840	1.7758	.00072
Stddev	.00001	.00008	.00110	.01278	.00284	.00101	.233	.0290	.00026
%RSD	1.2075	21.817	.18793	1.8028	.32244	16.358	1.4716	1.6341	35.759

#1	.00080	.00045	.58679	.69982	.87950	.00689	16.005	1.7963	.00090
#2	.00079	.00033	.58524	.71789	.88352	.00546	15.676	1.7553	.00054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	51.000	.00093	.00108	F 11.58	-0.00060	.00007	7.1515	-0.00010	.50253
Stddev	.178	.00013	.00315	.01	.00062	.00508	.0047	.00002	.00005
%RSD	.34856	13.555	291.71	.1030	103.49	7417.1	.06552	19.759	.00924

#1	50.874	.00084	-.00115	11.57	-.00016	.00366	7.1549	-.00011	.50250
#2	51.126	.00101	.00331	11.59	-.00104	-.00352	7.1482	-.00008	.50257

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00089	.00085	.00118	.00295
Stddev	.00046	.00172	.00011	.00001
%RSD	51.358	202.65	8.9702	.40419

#1	.00121	.00206	.00125	.00294
#2	.00057	-.00037	.00110	.00296

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3295.3	4856.0	48724.	10019.
Stddev	26.2	35.2	605.	22.
%RSD	.79608	.72430	1.2408	.21729

#1	3276.8	4831.2	48297.	10034.
#2	3313.9	4880.9	49152.	10003.

Sample Name: 480-27977-B-8-A Acquired: 11/12/2012 17:23:25 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0073	.04439	.00222	.04993	.03221	.00001	136.82	.00010	.00010
Stddev	.00064	.00109	.00176	.00011	.00005	.00000	.86	.00000	.00013
%RSD	88.046	2.4568	79.024	.21811	.14948	32.052	.62673	.71207	122.64

#1	-.00028	.04516	.00346	.04986	.03225	.00000	136.21	.00010	.00019
#2	-.00118	.04362	.00098	.05001	.03218	.00001	137.43	.00010	.00001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00105	.00165	.07207	1.4162	1.8464	.00643	22.667	.08963	.00117
Stddev	.00002	.00017	.00137	.0022	.0142	.00098	.057	.00001	.00009
%RSD	2.0077	10.044	1.8955	.15648	.76920	15.284	.24939	.01600	7.4450

#1	.00103	.00177	.07303	1.4146	1.8363	.00574	22.627	.08964	.00111
#2	.00106	.00154	.07110	1.4177	1.8564	.00713	22.707	.08962	.00124

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	68.671	.00079	.00207	F 21.09	-0.0003	-0.00502	11.106	.00000	.60639
Stddev	.164	.00017	.00051	.05	.00137	.00194	.086	.00036	.00280
%RSD	.23886	21.651	24.407	.2452	4350.2	38.610	.77270	7486.7	.46125

#1	68.555	.00067	.00172	21.05	.00094	-.00639	11.045	.00026	.60441
#2	68.787	.00091	.00243	21.12	-.00100	-.00365	11.166	-.00025	.60837

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00128	-.00014	-.00020	.00348
Stddev	.00011	.00125	.00002	.00025
%RSD	8.9500	876.63	7.8027	7.3253

#1	.00136	-.00103	-.00019	.00330
#2	.00120	.00074	-.00022	.00366

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3229.5	4789.9	48847.	10004.
Stddev	.2	3.0	46.	77.
%RSD	.00561	.06248	.09368	.77150

#1	3229.4	4787.8	48880.	10059.
#2	3229.6	4792.0	48815.	9949.4

Sample Name: 480-27977-B-9-A Acquired: 11/12/2012 17:25:32 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0094	.01901	.00033	.06021	.17329	-0.0007	110.50	.00012	-0.0017
Stddev	.00070	.01016	.00171	.00011	.00051	.00007	.15	.00017	.00013
%RSD	75.285	53.432	518.54	.19042	.29165	93.097	.13522	144.45	72.927

#1	-.00143	.01183	.00154	.06029	.17293	-.00012	110.61	.00000	-.00008
#2	-.00044	.02620	-.00088	.06013	.17365	-.00003	110.39	.00024	-.00026

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00086	.00027	4.4546	3.0336	3.7731	.00616	14.303	.38165	.00282
Stddev	.00006	.00050	.0196	.0201	.0345	.00062	.047	.00243	.00000
%RSD	7.4396	187.50	.44088	.66174	.91498	10.117	.32552	.63715	.10045

#1	.00081	-.00009	4.4685	3.0478	3.7975	.00660	14.270	.37993	.00282
#2	.00090	.00063	4.4407	3.0194	3.7486	.00572	14.336	.38337	.00282

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	43.255	.00060	.00243	8.704	-0.00136	-0.00162	6.8295	-0.00027	.45376
Stddev	.030	.00033	.00109	.030	.00003	.00391	.0127	.00009	.00055
%RSD	.07003	55.660	44.979	.3399	2.0230	241.60	.18603	33.161	.12096

#1	43.277	.00083	.00165	8.683	-.00138	.00115	6.8384	-.00033	.45338
#2	43.234	.00036	.00320	8.725	-.00134	-.00438	6.8205	-.00021	.45415

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00100	-.00092	.00055	.00179
Stddev	.00018	.00136	.00038	.00041
%RSD	18.405	149.07	67.963	23.147

#1	.00087	-.00188	.00082	.00150
#2	.00114	.00005	.00029	.00208

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3304.6	4857.6	49692.	10073.
Stddev	2.9	10.6	292.	71.
%RSD	.08670	.21737	.58809	.70145

#1	3306.7	4865.1	49899.	10024.
#2	3302.6	4850.2	49486.	10123.

Sample Name: 480-27977-B-10-A Acquired: 11/12/2012 17:27:36 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0096	.01441	.00092	.26270	.24815	-0.0003	108.25	-0.0007	.00003
Stddev	.00032	.00815	.00003	.00366	.00017	.00006	.50	.00002	.00019
%RSD	33.676	56.558	3.5064	1.3935	.06777	212.85	.45989	26.796	567.36

#1	-.00119	.02018	.00089	.26528	.24803	-.00008	108.60	-.00009	-.00010
#2	-.00073	.00865	.00094	.26011	.24827	.00002	107.90	-.00006	.00017

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00092	.00079	13.076	1.4976	1.8531	.00809	20.882	.62520	.00084
Stddev	.00092	.00008	.073	.0041	.0093	.00025	.022	.00061	.00026
%RSD	100.31	10.156	.56130	.27653	.50201	3.0328	.10437	.09766	31.226

#1	.00027	.00073	13.128	1.4947	1.8597	.00826	20.898	.62563	.00065
#2	.00157	.00084	13.024	1.5005	1.8465	.00791	20.867	.62476	.00102

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.740	-0.0007	.00158	8.017	-0.00124	.00158	8.6905	-0.00031	.59871
Stddev	.026	.00070	.00081	.092	.00128	.00269	.0230	.00019	.00200
%RSD	.06434	967.82	51.464	1.150	103.79	170.34	.26486	61.430	.33465

#1	40.758	.00042	.00215	8.082	-.00033	.00348	8.7068	-.00017	.60012
#2	40.721	-.00056	.00100	7.951	-.00215	-.00032	8.6742	-.00044	.59729

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00051	.00014	.00004	.00293
Stddev	.00007	.00067	.00040	.00044
%RSD	14.532	481.12	969.86	14.991

#1	.00046	-.00034	.00033	.00324
#2	.00056	.00061	-.00024	.00262

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3280.7	4847.9	50344.	10522.
Stddev	15.1	31.9	40.	50.
%RSD	.46047	.65861	.07989	.47413

#1	3270.0	4825.3	50372.	10486.
#2	3291.4	4870.4	50315.	10557.

Sample Name: 480-27977-B-11-A Acquired: 11/12/2012 17:29:40 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0084	.00430	.00050	.22293	.04762	-0.0002	76.920	.00007	.00011
Stddev	.00077	.00627	.00042	.00001	.00006	.00001	.090	.00007	.00002
%RSD	90.971	145.54	85.192	.00544	.12410	63.114	.11703	106.57	14.209
#1	-.00030	.00874	.00020	.22294	.04766	-.00003	76.984	.00002	.00012
#2	-.00139	-.00013	.00080	.22292	.04758	-.00001	76.856	.00012	.00010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00111	.00057	.53445	1.3031	1.5465	.00795	11.105	.14989	.00704
Stddev	.00002	.00008	.00498	.0022	.0029	.00092	.015	.00008	.00006
%RSD	1.8369	14.588	.93251	.16803	.18953	11.553	.13509	.05243	.92272
#1	.00109	.00063	.53797	1.3016	1.5485	.00860	11.116	.14983	.00708
#2	.00112	.00051	.53092	1.3047	1.5444	.00730	11.094	.14994	.00699

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	37.541	.00014	.00184	F 26.57	.00029	.00182	9.3801	.00008	.31740
Stddev	.123	.00017	.00048	.22	.00097	.00088	.0234	.00023	.00146
%RSD	.32827	122.83	25.852	.8258	336.07	48.524	.24963	303.09	.45907
#1	37.629	.00026	.00218	26.73	-.00040	.00119	9.3966	.00024	.31843
#2	37.454	.00002	.00151	26.42	.00097	.00244	9.3635	-.00009	.31637

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit 10.00
 Low Limit -.0100

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00034	-.00246	.00059	.00246
Stddev	.00005	.00084	.00011	.00047
%RSD	14.840	34.107	18.775	19.124
#1	.00030	-.00187	.00067	.00279
#2	.00037	-.00306	.00051	.00213

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3383.1	4915.8	50664.	10265.
Stddev	1.7	5.7	24.	49.
%RSD	.05139	.11618	.04691	.48072
#1	3381.9	4919.8	50681.	10300.
#2	3384.3	4911.7	50647.	10230.

Sample Name: CCV Acquired: 11/12/2012 17:31:46 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50028	24.703	.50143	.49784	.50184	.49824	25.100	.50068	.49359	.50849	.49636	24.494	25.209
Stddev	.00310	.010	.00077	.00140	.00120	.00063	.074	.00058	.00043	.00257	.00354	.056	.092
%RSD	.61884	.04016	.15452	.28113	.23863	.12547	.29422	.11535	.08775	.50568	.71415	.22670	.36653

#1	.50247	24.710	.50198	.49685	.50269	.49779	25.048	.50027	.49390	.51031	.49887	24.455	25.144
#2	.49809	24.696	.50088	.49883	.50100	.49868	25.152	.50109	.49329	.50667	.49386	24.534	25.274

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.212	.49665	24.807	.51049	.49825	25.066	.49691	.50356	24.37	.50358	.50233	24.974	.49977
Stddev	.610	.00373	.181	.00407	.00064	.034	.00137	.00355	.12	.00132	.00268	.073	.00202
%RSD	2.3283	.75071	.72861	.79667	.12794	.13695	.27541	.70496	.5084	.26217	.53398	.29181	.40343

#1	25.781	.49929	24.934	.51337	.49870	25.041	.49788	.50607	24.28	.50265	.50043	24.922	.50120
#2	26.644	.49402	24.679	.50762	.49780	25.090	.49595	.50105	24.46	.50451	.50423	25.026	.49835

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50382	.50313	.50646	.50128	.51593
Stddev	.00051	.00277	.00036	.00371	.00217
%RSD	.10076	.55126	.07129	.73948	.42103

#1	.50346	.50509	.50621	.50390	.51746
#2	.50417	.50117	.50672	.49865	.51439

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3344.0	4973.4	49877.	10138.
Stddev	12.3	10.8	234.	126.
%RSD	.36700	.21751	.46976	1.2440

#1	3335.3	4965.8	49711.	10227.
#2	3352.7	4981.1	50042.	10049.

Sample Name: CCB Acquired: 11/12/2012 17:33:54 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0037	.01149	-0.0149	.00091	.00000	-0.00007	.00542	.00018	.00013	-0.00002	-0.00079	.00068	.08482
Stddev	.00010	.00329	.00172	.00021	.00002	.00004	.00034	.00007	.00004	.00005	.00026	.00075	.02090
%RSD	27.724	28.614	114.82	22.906	682.81	66.610	6.3362	37.687	31.878	334.95	33.074	109.78	24.637

#1	-0.0045	.01381	-0.0028	.00106	.00002	-0.0004	.00517	.00023	.00016	.00002	-0.00098	.00015	.07004
#2	-0.0030	.00916	-0.00271	.00077	-0.00001	-0.00010	.00566	.00013	.00010	-0.00005	-0.00061	.00121	.09960

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00271	.00015	.00399	.00003	.00021	.04003	.00015	.00145	F .0200	-0.00083	.00034	.00958	-0.00005
Stddev	.00012	.00055	.00297	.00002	.00029	.00054	.00021	.00164	.0077	.00128	.00018	.00929	.00025
%RSD	4.2994	370.21	74.388	50.065	136.90	1.3386	141.00	113.05	38.48	153.97	52.953	96.912	497.70

#1	.00279	-0.00024	.00609	.00004	.00042	.03965	.00000	.00261	.0254	.00007	.00021	.01615	-0.00023
#2	.00263	.00054	.00189	.00002	.00001	.04041	.00029	.00029	.0146	-0.00174	.00047	.00302	.00013

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00004	.00001	-0.00047	-0.00032	.00040
Stddev	.00013	.00003	.00323	.00037	.00016
%RSD	293.67	365.28	692.79	116.99	39.338

#1	.00005	.00003	-0.00275	-0.00006	.00051
#2	-0.00013	-0.00001	.00182	-0.00058	.00029

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3636.6	5119.6	5244.7	10248.
Stddev	19.3	22.1	140.	8.
%RSD	.53017	.43070	.26768	.07707

#1	3650.3	5135.2	5254.7	10253.
#2	3623.0	5104.0	5234.8	10242.

Sample Name: 480-27977-H-12-A Acquired: 11/12/2012 17:36:06 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0099	.02460	.00256	.13386	.13679	.00001	89.568	-0.0013	.00002
Stddev	.00095	.01313	.00042	.00050	.00054	.00002	.549	.00002	.00002
%RSD	95.959	53.373	16.408	.37411	.39144	337.32	.61288	17.121	97.305
#1	-.00166	.01532	.00226	.13351	.13641	.00002	89.956	-.00011	.00001
#2	-.00032	.03388	.00285	.13421	.13717	-.00001	89.180	-.00014	.00004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	.00051	17.485	1.0603	1.2485	.00986	14.542	1.8208	.00170
Stddev	.00028	.00047	.124	.0104	.0165	.00049	.132	.0121	.00007
%RSD	75.352	92.675	.70869	.98043	1.3193	4.9980	.90995	.66587	3.9306
#1	.00017	.00085	17.572	1.0529	1.2601	.00951	14.448	1.8123	.00175
#2	.00056	.00018	17.397	1.0676	1.2368	.01021	14.636	1.8294	.00166

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.121	.00004	.00093	F 11.64	-0.00177	-0.00115	9.7677	.00006	.34863
Stddev	.303	.00040	.00100	.01	.00073	.00130	.0867	.00026	.00299
%RSD	.73646	972.43	107.32	.0958	41.323	113.23	.88809	424.03	.85819
#1	41.335	-.00024	.00163	11.64	-.00229	-.00207	9.8291	-.00012	.35074
#2	40.907	.00033	.00022	11.63	-.00125	-.00023	9.7064	.00024	.34651

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit 10.00
 Low Limit -.0100

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00118	-.00113	.00040	.00227
Stddev	.00037	.00040	.00075	.00046
%RSD	31.520	35.682	188.22	20.168
#1	.00144	-.00142	.00092	.00259
#2	.00092	-.00085	-.00013	.00194

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3336.0	4915.7	49940.	10263.
Stddev	.3	4.5	353.	73.
%RSD	.00918	.09182	.70724	.71326
#1	3336.3	4918.9	50190.	10211.
#2	3335.8	4912.5	49690.	10315.

Sample Name: 480-28006-C-1-B Acquired: 11/12/2012 17:38:13 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0147	.03105	.00274	.12867	.03793	-0.0012	221.31	.00027	.00337
Stddev	.00037	.02178	.00043	.00028	.00059	.00002	.97	.00006	.00000
%RSD	25.524	70.141	15.550	.21716	1.5427	17.644	.43644	23.837	.12470

#1	-.00120	.01565	.00244	.12847	.03835	-.00014	221.99	.00032	.00337
#2	-.00173	.04645	.00304	.12886	.03752	-.00011	220.63	.00022	.00337

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00158	.00093	5.3211	4.4119	5.9442	.00457	93.396	1.3607	.00141
Stddev	.00021	.00061	.0242	.0001	.0100	.00002	1.959	.0292	.00010
%RSD	13.255	65.432	.45423	.00196	.16742	.38532	2.0979	2.1442	7.2424

#1	.00144	.00136	5.3040	4.4118	5.9513	.00456	94.781	1.3813	.00149
#2	.00173	.00050	5.3381	4.4119	5.9372	.00458	92.010	1.3401	.00134

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.343	.00932	.00068	F 140.8	.00044	.00204	9.1296	.00014	.42775
Stddev	.001	.00023	.00023	.0	.00157	.00275	.0154	.00012	.00008
%RSD	.00188	2.4810	33.543	.0131	357.09	134.86	.16819	87.013	.01804

#1	29.343	.00949	.00052	140.9	.00155	.00398	9.1404	.00023	.42781
#2	29.343	.00916	.00084	140.8	-.00067	.00009	9.1187	.00006	.42770

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00189	-.00002	.00073	.20631
Stddev	.00001	.00229	.00066	.00468
%RSD	.35234	9850.8	90.056	2.2665

#1	.00189	.00160	.00027	.20962
#2	.00189	-.00164	.00120	.20300

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3149.8	4721.5	48198.	10165.
Stddev	8.1	7.1	788.	12.
%RSD	.25755	.14956	1.6353	.11828

#1	3155.5	4726.5	47641.	10174.
#2	3144.0	4716.5	48755.	10157.

Sample Name: 480-28006-C-2-B Acquired: 11/12/2012 17:40:27 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0034	.02136	.00824	.39268	.14720	-0.0007	149.31	.00015	.00164
Stddev	.00082	.00002	.00083	.00102	.00002	.00000	.13	.00000	.00011
%RSD	242.33	.07655	10.094	.25922	.01072	3.9115	.08906	.29220	6.5161

#1	-.00092	.02135	.00882	.39196	.14721	-.00007	149.40	.00015	.00156
#2	.00024	.02138	.00765	.39340	.14719	-.00007	149.21	.00015	.00171

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00110	.00079	1.5188	27.256	31.645	.01031	62.563	.19242	.00157
Stddev	.00011	.00010	.0006	.058	.074	.00076	.076	.00025	.00006
%RSD	10.379	12.511	.04175	.21198	.23272	7.3537	.12174	.12912	4.1094

#1	.00118	.00072	1.5184	27.215	31.697	.01085	62.617	.19259	.00162
#2	.00102	.00086	1.5193	27.297	31.593	.00978	62.509	.19224	.00153

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.271	.00384	.00013	F 83.95	-0.00027	-0.00318	16.245	.00017	.31078
Stddev	.059	.00012	.00162	.06	.00129	.00126	.043	.00003	.00019
%RSD	.14721	3.1296	1213.1	.0673	470.66	39.817	.26754	16.139	.06084

#1	40.229	.00392	.00128	83.99	-.00119	-.00407	16.276	.00015	.31064
#2	40.312	.00375	-.00101	83.91	.00064	-.00228	16.214	.00019	.31091

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00103	.00027	-.00002	.00355
Stddev	.00048	.00207	.00033	.00005
%RSD	46.183	775.45	1636.3	1.4573

#1	.00137	-.00120	.00021	.00358
#2	.00069	.00173	-.00025	.00351

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3217.0	4792.8	49237.	10059.
Stddev	4.3	5.9	106.	9.
%RSD	.13459	.12216	.21604	.08487

#1	3220.0	4796.9	49161.	10065.
#2	3213.9	4788.6	49312.	10053.

Sample Name: 480-28006-C-3-B Acquired: 11/12/2012 17:42:39 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0075	.04089	.00284	.09043	.12395	-0.0004	68.759	.00015	.00004
Stddev	.00034	.01672	.00067	.00014	.00070	.00010	.210	.00004	.00015
%RSD	45.704	40.892	23.744	.14975	.56349	289.24	.30557	24.095	390.92

#1	-.00051	.05272	.00332	.09052	.12444	-.00011	68.611	.00013	.00014
#2	-.00100	.02907	.00236	.09033	.12345	.00004	68.908	.00018	-.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00184	.00154	1.0956	3.3360	3.7668	.01691	45.772	.01440	.00203
Stddev	.00013	.00026	.0093	.0104	.0149	.00036	.493	.00021	.00008
%RSD	6.9149	17.077	.84541	.31180	.39411	2.1403	1.0768	1.4731	3.8710

#1	.00193	.00135	1.0891	3.3286	3.7772	.01716	46.120	.01455	.00198
#2	.00175	.00172	1.1022	3.3433	3.7563	.01665	45.423	.01425	.00209

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.985	.00234	.01137	.5137	-0.00150	.00135	10.085	.00000	.97941
Stddev	.076	.00000	.00043	.0070	.00078	.00394	.047	.0006	.00547
%RSD	.44998	.02653	3.7533	1.369	52.305	291.35	.46907	160730.	.55867

#1	16.931	.00234	.01167	.5187	-.00095	.00414	10.051	.00046	.97554
#2	17.039	.00234	.01106	.5088	-.00205	-.00143	10.118	-.00046	.98328

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00110	-.00160	.00052	.00721
Stddev	.00033	.00035	.00013	.00058
%RSD	29.861	21.914	25.524	8.0707

#1	.00087	-.00184	.00061	.00680
#2	.00134	-.00135	.00043	.00763

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3371.2	4952.8	50241.	10381.
Stddev	2.6	2.9	223.	8.
%RSD	.07628	.05881	.44324	.07624

#1	3373.0	4950.7	50083.	10375.
#2	3369.4	4954.8	50398.	10387.

Sample Name: 480-28006-C-4-B Acquired: 11/12/2012 17:44:47 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0108	-0.0049	.00794	3.3407	.55277	.00002	95.773	.00008	.00385
Stddev	.00061	.00691	.00075	.0023	.00569	.00000	1.110	.00007	.00004
%RSD	56.195	1408.1	9.4752	.06978	1.0294	21.532	1.1587	93.519	1.0279

#1	-.00065	.00439	.00847	3.3391	.55680	.00002	96.558	.00013	.00388
#2	-.00150	-.00537	.00741	3.3424	.54875	.00002	94.989	.00003	.00382

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00303	.00086	5.4014	21.402	31.604	.03197	108.37	.01305	.00080
Stddev	.00020	.00021	.0389	.191	.600	.00082	.24	.00003	.00018
%RSD	6.7201	24.654	.72059	.89447	1.8988	2.5686	.22043	.23264	22.216

#1	.00317	.00101	5.4289	21.537	32.029	.03255	108.20	.01307	.00068
#2	.00288	.00071	5.3738	21.266	31.180	.03139	108.54	.01302	.00093

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	297.72	.03061	.00211	1.769	-0.00089	-0.00316	12.234	.00134	1.0005
Stddev	.34	.00150	.00175	.002	.00020	.00911	.159	.00078	.0061
%RSD	.11374	4.8888	83.055	.1319	22.630	288.57	1.2975	58.397	.61141

#1	297.96	.02955	.00335	1.771	-.00103	-.00960	12.346	.00190	1.0049
#2	297.48	.03167	.00087	1.767	-.00075	.00329	12.122	.00079	.99622

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00156	.00140	.00147	.00120
Stddev	.00081	.00153	.00072	.00002
%RSD	51.895	108.94	48.636	1.4046

#1	.00213	.00248	.00097	.00122
#2	.00099	.00032	.00198	.00119

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3027.1	4672.6	47817.	10071.
Stddev	7.5	15.8	25.	99.
%RSD	.24797	.33832	.05183	.98508

#1	3032.4	4683.8	47834.	10001.
#2	3021.8	4661.4	47799.	10141.

Sample Name: 480-28006-C-5-A Acquired: 11/12/2012 17:47:11 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0111	.01784	.00412	.25821	.05137	-0.0006	148.98	.00007	.00042
Stddev	.00041	.01342	.00026	.00320	.00005	.00002	.16	.00015	.00001
%RSD	36.856	75.213	6.2211	1.2404	.09581	38.498	.10838	206.98	2.5630

#1	-.00082	.02733	.00394	.26047	.05140	-.00007	148.87	-.00003	.00043
#2	-.00140	.00835	.00430	.25594	.05133	-.00004	149.10	.00018	.00041

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00089	.00060	7.5198	8.8989	11.034	.00816	73.070	.42005	.00064
Stddev	.00001	.00009	.0260	.0595	.022	.00010	.107	.00121	.00017
%RSD	1.4082	14.633	.34509	.66858	.19860	1.2826	.14596	.28815	25.969

#1	.00090	.00053	7.5015	8.8569	11.049	.00809	72.995	.41919	.00052
#2	.00088	.00066	7.5382	8.9410	11.018	.00824	73.146	.42090	.00075

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	34.821	.00335	.00363	F 81.43	-0.00166	-0.00050	10.267	-0.00002	.49835
Stddev	.080	.00057	.00069	.28	.00159	.00089	.033	.00053	.00145
%RSD	.22847	16.887	18.873	.3497	96.090	176.95	.32194	2211.8	.29023

#1	34.764	.00375	.00315	81.64	-.00278	.00013	10.290	-.00040	.49732
#2	34.877	.00295	.00411	81.23	-.00053	-.00113	10.243	.00035	.49937

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00180	.00161	.00106	.00234
Stddev	.00022	.00164	.00057	.00014
%RSD	11.999	101.34	53.427	5.8812

#1	.00165	.00046	.00146	.00244
#2	.00195	.00277	.00066	.00224

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3205.5	4778.6	49551.	10418.
Stddev	2.1	2.6	183.	26.
%RSD	.06426	.05370	.36858	.25053

#1	3207.0	4776.8	49422.	10437.
#2	3204.0	4780.4	49681.	10400.

Sample Name: 480-28006-C-6-D Acquired: 11/12/2012 17:49:23 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0104	.08615	-0.0045	.09904	.07688	.00003	208.92	.00013	-0.00003
Stddev	.00029	.00981	.00108	.00104	.00026	.00010	1.47	.00003	.00006
%RSD	27.535	11.389	241.45	1.0519	.33972	381.97	.70395	20.894	182.26

#1	-.00124	.09309	.00032	.09831	.07670	.00009	207.88	.00011	-.00007
#2	-.00084	.07921	-.00121	.09978	.07707	-.00004	209.96	.00015	.00001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00096	.00060	2.0410	3.7570	5.2205	.01034	102.82	.05955	.00066
Stddev	.00055	.00029	.0084	.0077	.0269	.00011	.01	.00009	.00013
%RSD	58.018	47.790	.41405	.20544	.51467	1.0551	.01279	.14652	20.137

#1	.00056	.00080	2.0470	3.7516	5.2015	.01026	102.83	.05961	.00057
#2	.00135	.00040	2.0351	3.7625	5.2395	.01042	102.81	.05949	.00076

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	51.375	.00194	.00147	F 153.8	.00011	-.00120	10.564	.00011	.82107
Stddev	.105	.00010	.00059	.2	.00017	.00368	.041	.00009	.00245
%RSD	.20439	4.9439	40.055	.1163	153.87	307.00	.38890	82.339	.29793

#1	51.300	.00187	.00106	153.9	.00023	-.00381	10.593	.00018	.82280
#2	51.449	.00201	.00189	153.6	-.00001	.00141	10.535	.00005	.81934

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00320	.00062	.00052	.00325
Stddev	.00018	.00158	.00077	.00018
%RSD	5.6440	253.19	147.62	5.4566

#1	.00333	.00174	-.00002	.00338
#2	.00308	-.00049	.00107	.00313

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3199.6	4792.5	48852.	10084.
Stddev	7.5	8.4	223.	32.
%RSD	.23571	.17544	.45722	.31388

#1	3194.3	4786.6	48694.	10061.
#2	3205.0	4798.5	49010.	10106.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0032	.10760	.00094	.03183	.14585	.00003	50.466	.00038	.00249
Stddev	.00062	.00266	.00076	.00047	.00109	.00001	.139	.00005	.00008
%RSD	194.81	2.4724	80.868	1.4909	.74445	22.267	.27476	14.535	3.0893

#1	-.00076	.10948	.00040	.03216	.14508	.00003	50.564	.00034	.00244
#2	.00012	.10572	.00147	.03149	.14662	.00004	50.368	.00041	.00255

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00067	.00180	.11171	2.5612	3.1397	.00058	14.491	4.9943	.00023
Stddev	.00006	.00019	.00137	.0229	.0537	.00042	.112	.0122	.00030
%RSD	9.3351	10.711	1.2285	.89502	1.7120	72.525	.77475	.24423	132.46

#1	.00062	.00167	.11268	2.5774	3.1017	.00087	14.411	4.9857	.00001
#2	.00071	.00194	.11074	2.5450	3.1778	.00028	14.570	5.0029	.00044

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	56.455	.00231	.00250	F 21.51	-0.00153	.00089	5.7405	.00022	.23188
Stddev	.013	.00033	.00068	.26	.00051	.00161	.0537	.00011	.00189
%RSD	.02333	14.415	27.044	1.207	33.362	181.54	.93553	48.823	.81593

#1	56.464	.00255	.00202	21.70	-.00117	.00203	5.7785	.00030	.23322
#2	56.445	.00208	.00298	21.33	-.00190	-.00025	5.7025	.00015	.23055

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00929	.00345	.00309	.00345
Stddev	.00016	.00063	.00003	.00046
%RSD	1.6874	18.401	1.1123	13.325

#1	.00918	.00390	.00311	.00313
#2	.00940	.00300	.00306	.00378

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3379.7	4939.6	51175.	10561.
Stddev	19.4	32.6	6.	24.
%RSD	.57487	.66068	.01181	.23131

#1	3365.9	4916.5	51179.	10578.
#2	3393.4	4962.6	51171.	10543.

Sample Name: 480-27576-B-5-C Acquired: 11/12/2012 17:53:41 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0053	.14309	.00215	.10376	.03801	-0.0008	14.858	.00008	.00009
Stddev	.00014	.00377	.00125	.00046	.00012	.00005	.042	.00000	.00012
%RSD	27.182	2.6361	58.088	.44481	.32000	61.185	.28325	5.5751	133.46

#1	-.00043	.14576	.00303	.10344	.03793	-.00011	14.888	.00008	.00001
#2	-.00063	.14042	.00127	.10409	.03810	-.00005	14.828	.00008	.00018

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	.00065	.15984	.70144	.71067	.00119	1.4392	.03354	.00829
Stddev	.00019	.00003	.00217	.01423	.00156	.00112	.0021	.00019	.00001
%RSD	43.429	4.3503	1.3605	2.0287	.21981	94.646	.14222	.58095	.10851

#1	.00058	.00067	.16137	.71151	.70957	.00198	1.4406	.03368	.00829
#2	.00031	.00063	.15830	.69138	.71177	.00039	1.4378	.03341	.00830

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.298	.00001	.00166	5.115	-0.00210	-0.00194	4.6110	-0.00042	.08418
Stddev	.074	.00052	.00076	.024	.00196	.00107	.0146	.00008	.00005
%RSD	.28068	4267.9	45.867	.4736	93.485	54.875	.31638	19.980	.06320

#1	26.350	-.00036	.00219	5.133	-.00348	-.00119	4.6213	-.00036	.08421
#2	26.246	.00038	.00112	5.098	-.00071	-.00270	4.6007	-.00048	.08414

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00731	-0.00017	.00084	.00282
Stddev	.00000	.00060	.00048	.00039
%RSD	.06435	355.69	57.320	13.721

#1	.00731	-.00059	.00118	.00310
#2	.00731	.00026	.00050	.00255

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3580.5	5092.1	52062.	10362.
Stddev	8.4	20.4	35.	5.
%RSD	.23519	.40022	.06653	.04651

#1	3574.5	5077.7	52037.	10358.
#2	3586.5	5106.5	52086.	10365.

Sample Name: MB 480-90045/1-A Acquired: 11/12/2012 17:55:48 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0095	.02431	.00059	.00301	.00005	-0.0007	.02301	.00004	.00001
Stddev	.00021	.01900	.00003	.00013	.00001	.00003	.00133	.00011	.00010
%RSD	21.797	78.163	5.0896	4.3372	12.892	46.963	5.7612	254.26	1889.1

#1	-.00109	.01087	.00057	.00310	.00005	-.00009	.02395	-.00003	.00007
#2	-.00080	.03774	.00061	.00292	.00005	-.00005	.02207	.00012	-.00006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	-0.00035	.00435	.02795	.00182	-0.00004	.00599	.00024	.00026
Stddev	.00015	.00021	.00068	.00087	.00061	.00041	.00239	.00003	.00010
%RSD	56.921	58.859	15.608	3.1069	33.367	981.52	39.941	13.571	38.214

#1	.00036	-.00020	.00483	.02857	.00139	.00025	.00768	.00027	.00019
#2	.00015	-.00050	.00387	.02734	.00225	-.00033	.00430	.00022	.00032

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05495	-0.00018	.00059	F .0171	.00167	-0.00176	.00492	.00053	.00012
Stddev	.00914	.00016	.00108	.0034	.00047	.00042	.01840	.00038	.00000
%RSD	16.643	91.965	182.78	19.62	27.956	23.904	374.17	72.781	3.8554

#1	.04848	-.00029	-.00017	.0195	.00200	-.00206	.01793	.00080	.00012
#2	.06141	-.00006	.00136	.0147	.00134	-.00146	-.00809	.00026	.00013

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0030					
Low Limit				-.0040					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	-0.00022	-0.00002	-0.00012	.00165
Stddev	.00027	.00002	.00049	.00095
%RSD	123.28	102.84	403.34	57.690

#1	-.00040	-.00004	.00023	.00098
#2	-.00003	-.00001	-.00047	.00233

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3658.7	5138.1	52384.	10227.
Stddev	2.5	6.6	60.	87.
%RSD	.06896	.12795	.11508	.85524

#1	3660.5	5142.8	52341.	10165.
#2	3656.9	5133.5	52427.	10288.

Sample Name: CCV Acquired: 11/12/2012 17:58:00 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50588	24.698	.49963	.49703	.50038	.49599	25.159	.49945	.49174	.51335	.50173	24.376	25.128
Stddev	.00155	.004	.00100	.00218	.00201	.00209	.031	.00069	.00084	.00084	.00210	.100	.005
%RSD	.30587	.01747	.20095	.43788	.40259	.42066	.12433	.13809	.16998	.16359	.41847	.41074	.02166

#1	.50698	24.701	.49892	.49549	.50181	.49747	25.181	.49897	.49114	.51394	.50321	24.447	25.124
#2	.50479	24.695	.50034	.49857	.49896	.49452	25.137	.49994	.49233	.51276	.50024	24.305	25.131

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.964	.49449	25.099	.51445	.49767	24.925	.49478	.50271	24.28	.50441	.49637	25.075	.49897
Stddev	.266	.00165	.008	.00099	.00098	.042	.00067	.00113	.05	.00214	.00746	.020	.00049
%RSD	.98830	.33322	.03150	.19194	.19627	.17016	.13621	.22505	.2189	.42482	1.5034	.07941	.09839

#1	26.776	.49566	25.105	.51515	.49698	24.955	.49431	.50191	24.24	.50592	.49110	25.061	.49932
#2	27.153	.49333	25.094	.51376	.49836	24.895	.49526	.50351	24.32	.50289	.50165	25.090	.49863

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.49956	.50751	.50566	.50395	.52373
Stddev	.00157	.00048	.00140	.00035	.00229
%RSD	.31382	.09415	.27776	.06913	.43636

#1	.50067	.50784	.50666	.50419	.52534
#2	.49845	.50717	.50467	.50370	.52211

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3373.8	5010.9	49652.	9984.5
Stddev	.3	.8	196.	25.9
%RSD	.00886	.01582	.39412	.25900

#1	3374.0	5010.4	49513.	10003.
#2	3373.6	5011.5	49790.	9966.2

Sample Name: CCB Acquired: 11/12/2012 18:00:08 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0083	.00570	.00127	.00208	.00001	-0.00002	.00366	.00026	.00010	-0.00015	-0.00056	.00172	.07523
Stddev	.00015	.00097	.00005	.00040	.00001	.00006	.00410	.00019	.00034	.00016	.00010	.00149	.02561
%RSD	18.305	16.943	4.2360	19.149	67.829	303.20	112.01	73.586	321.79	107.21	17.899	86.603	34.041

#1	-0.0094	.00501	.00123	.00236	.00002	-0.00006	.00076	.00039	.00034	-0.00027	-0.00063	.00278	.05712
#2	-0.0072	.00638	.00131	.00180	.00001	.00002	.00657	.00012	-0.00013	-0.00004	-0.00049	.00067	.09334

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00272	-0.00066	-0.00028	.00012	.00021	.03259	.00009	.00080	F .0171	.00131	.00376	.00527	.00060
Stddev	.00042	.00114	.00202	.00002	.00042	.00246	.00033	.00141	.0076	.00139	.00361	.00364	.00051
%RSD	15.364	172.28	734.03	17.587	196.92	7.5598	383.14	177.21	44.47	106.47	95.938	69.159	84.962

#1	.00301	.00014	-.00171	.00013	.00051	.03085	.00032	-.00020	.0225	.00230	.00632	.00784	.00097
#2	.00242	-.00147	.00115	.00010	-.00008	.03434	-.00015	.00180	.0117	.00032	.00121	.00269	.00024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00002	-0.00028	-0.00165	-0.00029	.00078
Stddev	.00002	.00044	.00054	.00030	.00038
%RSD	100.69	156.66	32.474	102.93	48.470

#1	.00001	-.00059	-.00127	-.00050	.00051
#2	.00004	.00003	-.00203	-.00008	.00104

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3667.2	5149.5	52778.	10092.
Stddev	17.4	24.4	293.	28.
%RSD	.47582	.47395	.55548	.27492

#1	3679.6	5166.8	52571.	10072.
#2	3654.9	5132.3	52986.	10112.

Sample Name: LCS 480-90045/2-A Acquired: 11/12/2012 18:02:19 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05132	10.167	.20674	.20524	.20852	.20867	10.273	.20493	.20549
Stddev	.00098	.016	.00136	.00057	.00164	.00020	.042	.00034	.00019
%RSD	1.9054	.16157	.65821	.27813	.78875	.09521	.41014	.16779	.09006
#1	.05063	10.179	.20770	.20564	.20736	.20853	10.243	.20517	.20536
#2	.05201	10.155	.20578	.20483	.20968	.20881	10.302	.20468	.20562

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21130	.20327	10.188	10.145	10.253	.20380	10.279	.20444	.20662
Stddev	.00262	.00094	.048	.001	.129	.00077	.162	.00299	.00020
%RSD	1.2395	.46291	.46852	.00681	1.2616	.37921	1.5808	1.4647	.09556
#1	.20945	.20261	10.154	10.145	10.344	.20325	10.164	.20232	.20648
#2	.21316	.20394	10.221	10.144	10.161	.20434	10.393	.20656	.20676

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.116	.20082	.20488	F_0079	.20521	.20145	10.351	.19581	.20374
Stddev	.016	.00056	.00039	.0034	.00173	.00227	.016	.00149	.00024
%RSD	.16029	.27741	.19118	42.99	.84449	1.1289	.15373	.76323	.11626
#1	10.105	.20043	.20461	.0055	.20643	.20306	10.340	.19475	.20357
#2	10.128	.20121	.20516	.0104	.20398	.19984	10.362	.19686	.20390

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit 11.50
 Low Limit 8.500

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19559	.19716	.20040	.22146
Stddev	.00098	.00063	.00183	.00276
%RSD	.50280	.32145	.91267	1.2447
#1	.19490	.19672	.19910	.21951
#2	.19629	.19761	.20169	.22341

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3514.0	5082.6	51900.	10411.
Stddev	5.5	2.4	605.	32.
%RSD	.15766	.04676	1.1648	.31050
#1	3517.9	5084.3	52327.	10434.
#2	3510.0	5080.9	51472.	10388.

Sample Name: 480-28080-D-2-A Acquired: 11/12/2012 18:04:26 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0087	.52893	.00182	.32313	.08211	.00005	35.634	-0.0033	.00016
Stddev	.00114	.02893	.00009	.00175	.00017	.00000	.025	.00001	.00013
%RSD	131.52	5.4699	5.0251	.54004	.20843	2.6881	.07145	2.6712	80.912

#1	-.00006	.50847	.00188	.32436	.08199	.00005	35.616	-.00032	.00025
#2	-.00167	.54939	.00175	.32190	.08223	.00005	35.652	-.00033	.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00224	.00249	30.143	6.3804	7.4487	.01906	9.0405	.44509	.00003
Stddev	.00045	.00026	.086	.0010	.0794	.00067	.0414	.00131	.00000
%RSD	20.180	10.387	.28424	.01486	1.0665	3.5217	.45754	.29334	7.7728

#1	.00192	.00267	30.204	6.3811	7.5049	.01954	9.0113	.44417	.00003
#2	.00256	.00231	30.083	6.3797	7.3926	.01859	9.0698	.44602	.00003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.266	.00260	.00353	F 21.90	-0.0061	-0.0018	7.8591	-0.0010	.16125
Stddev	.045	.00019	.00006	.22	.00003	.00249	.0034	.00106	.00052
%RSD	.11072	7.3720	1.5950	.9973	4.8996	1377.6	.04298	1033.7	.32282

#1	40.234	.00274	.00349	22.05	-.00059	.00158	7.8615	.00065	.16088
#2	40.297	.00247	.00357	21.75	-.00063	-.00194	7.8567	-.00085	.16162

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.01635	-0.00037	.00416	.02246
Stddev	.00016	.00310	.00024	.00018
%RSD	.94939	833.64	5.8654	.81065

#1	.01646	.00182	.00434	.02259
#2	.01624	-.00256	.00399	.02233

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3430.6	4997.6	50958.	10142.
Stddev	32.5	45.9	508.	36.
%RSD	.94877	.91920	.99765	.35540

#1	3407.6	4965.2	51317.	10117.
#2	3453.6	5030.1	50598.	10168.

Sample Name: 480-28080-D-3-A Acquired: 11/12/2012 18:06:30 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0107	.12504	.00028	.10102	.10181	.00026	42.913	F -0.00222	.00051
Stddev	.00054	.00199	.00332	.00026	.00151	.00004	1.030	.00006	.00017
%RSD	50.724	1.5909	1170.9	.25682	1.4880	16.568	2.4000	2.8725	32.549

#1	-.00069	.12645	.00263	.10120	.10288	.00023	42.184	-.00226	.00039
#2	-.00146	.12364	-.00207	.10084	.10074	.00029	43.641	-.00217	.00063

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								15.000	
Low Limit								-.00100	

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00006	.00197	126.07	8.3152	10.129	.02758	14.875	.82764	-0.00082
Stddev	.00030	.00007	2.85	.1688	.224	.00045	.197	.00761	.00032
%RSD	537.74	3.7533	2.2590	2.0305	2.2128	1.6284	1.3261	.91907	39.222

#1	.00016	.00202	124.05	8.1958	9.9706	.02727	15.014	.83302	-.00059
#2	-.00027	.00192	128.08	8.4346	10.288	.02790	14.735	.82226	-.00104

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	52.014	.00307	.00273	F 15.16	-0.00085	-0.00170	7.9660	.00077	.21370
Stddev	.918	.00040	.00127	.05	.00166	.00062	.1709	.00019	.00435
%RSD	1.7653	12.881	46.546	.3128	195.62	36.581	2.1450	24.235	2.0364

#1	51.364	.00279	.00364	15.13	-.00203	-.00126	7.8451	.00064	.21062
#2	52.663	.00335	.00183	15.19	.00033	-.00214	8.0868	.00091	.21678

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00278	-.00242	.00520	.00787
Stddev	.00028	.00100	.00017	.00011
%RSD	9.9655	41.388	3.1923	1.3448

#1	.00298	-.00171	.00531	.00795
#2	.00259	-.00313	.00508	.00780

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3325.0	4947.1	49847.	10456.
Stddev	8.9	13.6	463.	247.
%RSD	.26917	.27466	.92904	2.3590

#1	3318.7	4937.5	49520.	10630.
#2	3331.3	4956.7	50175.	10282.

Sample Name: 480-28080-D-4-A Acquired: 11/12/2012 18:08:41 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0059	.00702	.09703	1.0142	.06686	.00001	83.554	-0.0042	.00585
Stddev	.00040	.00572	.00176	.0028	.00018	.00003	.378	.00016	.00020
%RSD	68.979	81.397	1.8162	.27628	.26848	525.25	.45277	38.719	3.4832

#1	-0.0030	.01107	.09578	1.0122	.06699	.00003	83.821	-0.0030	.00571
#2	-0.0087	.00298	.09828	1.0161	.06673	-0.0001	83.286	-0.0053	.00599

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00210	.00070	43.920	71.150	68.567	.00731	62.806	.09730	.00175
Stddev	.00019	.00023	.237	.195	1.053	.00011	.004	.00001	.00016
%RSD	9.1070	32.608	.53870	.27450	1.5364	1.5236	.00599	.00778	8.9674

#1	.00196	.00087	44.087	71.288	69.312	.00723	62.808	.09730	.00164
#2	.00223	.00054	43.752	71.012	67.822	.00739	62.803	.09729	.00187

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	111.03	.01080	.00202	1.819	-0.00108	-0.00078	3.7775	.00085	.36180
Stddev	.36	.00022	.00085	.010	.00105	.00137	.0041	.00058	.00107
%RSD	.32297	1.9965	42.032	.5374	96.668	175.24	.10742	68.383	.29570

#1	111.28	.01096	.00262	1.812	-0.0034	.00019	3.7746	.00044	.36256
#2	110.77	.01065	.00142	1.826	-0.00182	-0.00175	3.7803	.00125	.36105

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00098	-0.00188	.00136	.00927
Stddev	.00011	.00192	.00027	.00002
%RSD	10.877	102.29	19.805	.16434

#1	.00106	-0.0052	.00117	.00928
#2	.00091	-0.00324	.00155	.00926

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3184.7	4845.4	49507.	10361.
Stddev	4.2	11.5	160.	9.
%RSD	.13256	.23816	.32404	.09093

#1	3187.7	4853.5	49620.	10354.
#2	3181.8	4837.2	49393.	10368.

Sample Name: 480-28080-D-5-A Acquired: 11/12/2012 18:10:54 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0168	.23079	.99153	.22499	.06127	.00001	39.353	-0.0082	.00047
Stddev	.00001	.00456	.00246	.00046	.00102	.00005	.300	.00004	.00017
%RSD	.82765	1.9758	.24799	.20548	1.6725	420.96	.76349	5.1218	36.244

#1	-.00169	.22757	.98980	.22467	.06055	-.00002	39.140	-.00079	.00060
#2	-.00167	.23402	.99327	.22532	.06199	.00005	39.565	-.00085	.00035

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00109	.01628	79.171	29.697	27.711	.00051	12.116	.03927	.01046
Stddev	.00038	.00019	.542	.309	.168	.00056	.145	.00041	.00010
%RSD	34.950	1.1390	.68481	1.0392	.60514	108.93	1.2006	1.0549	.92200

#1	.00136	.01615	78.788	29.479	27.592	.00012	12.013	.03898	.01053
#2	.00082	.01641	79.555	29.915	27.829	.00091	12.219	.03957	.01039

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8655	.00276	.00313	4.321	.00057	-0.00070	1.7007	.00131	.16092
Stddev	.0288	.00031	.00156	.023	.00030	.00068	.0137	.00005	.00159
%RSD	1.5423	11.161	49.957	.5295	51.603	97.713	.80244	3.9936	.98684

#1	1.8451	.00298	.00202	4.305	.00078	-.00022	1.6910	.00134	.15980
#2	1.8858	.00254	.00423	4.337	.00036	-.00118	1.7103	.00127	.16205

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00364	-0.00074	.00350	.02578
Stddev	.00006	.00099	.00027	.00073
%RSD	1.5377	133.19	7.7481	2.8161

#1	.00360	-.00004	.00331	.02526
#2	.00368	-.00144	.00369	.02629

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3414.3	4990.9	50728.	10028.
Stddev	10.4	4.2	690.	39.
%RSD	.30362	.08382	1.3596	.38765

#1	3421.6	4993.9	51216.	10056.
#2	3406.9	4988.0	50241.	10001.

Sample Name: 480-28080-D-6-A Acquired: 11/12/2012 18:13:06 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0063	.01874	.00476	.30237	.11030	.00006	24.142	-0.0084	-0.0013
Stddev	.00012	.01617	.00019	.00085	.00038	.00001	.021	.00002	.00002
%RSD	19.803	86.261	4.0394	.28093	.34426	22.529	.08667	2.9223	11.711

#1	-.00054	.00731	.00490	.30297	.11003	.00007	24.127	-.00086	-.00012
#2	-.00072	.03018	.00463	.30177	.11057	.00005	24.156	-.00083	-.00014

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0013	.00058	48.687	5.1297	6.4434	.02205	10.550	.45232	-0.0035
Stddev	.00004	.00045	.223	.0011	.0214	.00075	.061	.00391	.00019
%RSD	30.311	78.801	.45888	.02161	.33214	3.4015	.57491	.86397	54.107

#1	-.00011	.00025	48.529	5.1289	6.4283	.02152	10.508	.44956	-.00048
#2	-.00016	.00090	48.845	5.1305	6.4585	.02258	10.593	.45509	-.00022

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	74.172	.00070	.00140	F 32.99	-0.0011	-0.00155	9.8883	.00071	.11678
Stddev	.049	.00042	.00134	.15	.00111	.00267	.0116	.00017	.00018
%RSD	.06577	59.500	96.065	.4695	1041.7	171.61	.11731	23.911	.15790

#1	74.206	.00099	.00235	33.10	-.00089	-.00344	9.8965	.00059	.11691
#2	74.137	.00041	.00045	32.88	.00068	.00033	9.8801	.00083	.11665

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00032	.00069	.00310	.00334
Stddev	.00002	.00108	.00011	.00036
%RSD	6.9503	156.97	3.5140	10.750

#1	.00033	-.00008	.00318	.00360
#2	.00030	.00145	.00303	.00309

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3427.7	5036.2	50817.	10046.
Stddev	8.2	3.8	270.	72.
%RSD	.24015	.07465	.53202	.72093

#1	3421.9	5033.5	51008.	10097.
#2	3433.5	5038.9	50626.	9994.3

Sample Name: 480-28122-E-1-A Acquired: 11/12/2012 18:15:12 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0134	.05514	.00238	.01477	.07576	.00005	18.415	F -0.00190	-0.0010
Stddev	.00003	.01070	.00113	.00023	.00025	.00006	.024	.00014	.00017
%RSD	1.9748	19.409	47.331	1.5853	.33553	118.51	.13169	7.5135	175.72

#1	-0.0136	.04757	.00158	.01460	.07594	.00009	18.398	-.00180	.00002
#2	-0.0132	.06271	.00318	.01493	.07558	.00001	18.432	-.00200	-.00022

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								15.000	
Low Limit								-.00100	

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00015	.00061	94.639	2.1396	2.1544	.00291	5.3767	.60373	-0.00058
Stddev	.00005	.00008	.167	.0008	.0121	.00069	.0640	.00618	.00003
%RSD	35.303	13.849	.17617	.03836	.56373	23.863	1.1895	1.0230	5.6022

#1	-0.0019	.00067	94.521	2.1390	2.1630	.00340	5.4219	.60809	-.00060
#2	-0.0011	.00055	94.757	2.1401	2.1459	.00242	5.3314	.59936	-.00056

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.6015	-0.00091	.00037	F 56.14	-0.00104	-0.00405	10.293	.00059	.09452
Stddev	.0196	.00034	.00323	.40	.00192	.00006	.011	.00075	.00012
%RSD	.35002	37.126	883.07	.7082	184.22	1.4232	.10199	127.48	.12321

#1	5.5876	-.00114	.00265	56.42	.00031	-.00409	10.285	.00112	.09444
#2	5.6153	-.00067	-.00192	55.86	-.00240	-.00400	10.300	.00006	.09460

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00071	-0.00195	.00032	.00260
Stddev	.00033	.00107	.00059	.00032
%RSD	45.954	54.873	181.48	12.431

#1	.00095	-.00119	-.00009	.00237
#2	.00048	-.00271	.00074	.00282

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3547.7	5101.1	52597.	10513.
Stddev	8.6	18.1	161.	4.
%RSD	.24316	.35464	.30626	.03505

#1	3541.6	5088.3	52483.	10516.
#2	3553.8	5113.9	52711.	10511.

Sample Name: 480-28122-E-2-A Acquired: 11/12/2012 18:17:19 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0028	.12747	.00230	.01157	.03755	.00022	9.7384	-0.0030	.00276
Stddev	.00033	.00123	.00242	.00196	.00040	.00004	.0528	.00015	.00002
%RSD	117.98	.96483	105.31	16.900	1.0742	18.532	.54257	50.322	.78221

#1	-.00005	.12833	.00402	.01295	.03783	.00025	9.7011	-.00041	.00274
#2	-.00051	.12660	.00059	.01019	.03726	.00019	9.7758	-.00019	.00277

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00831	.00268	38.021	3.4350	3.3231	.00307	5.3847	.13429	.00003
Stddev	.00009	.00010	.074	.0328	.0311	.00017	.0531	.00060	.00014
%RSD	1.0295	3.9029	.19456	.95579	.93698	5.4267	.98627	.44442	470.69

#1	.00838	.00261	37.968	3.4118	3.3011	.00296	5.4222	.13471	.00013
#2	.00825	.00276	38.073	3.4582	3.3451	.00319	5.3471	.13387	-.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.4315	.00617	.00257	F 20.82	-0.00125	-0.00191	9.8001	.00016	.07012
Stddev	.0241	.00013	.00132	.02	.00023	.00241	.0124	.00030	.00025
%RSD	.44371	2.0713	51.130	.1064	18.432	126.01	.12659	186.85	.35805

#1	5.4144	.00626	.00164	20.84	-.00109	-.00021	9.7914	-.00005	.06994
#2	5.4485	.00608	.00350	20.81	-.00141	-.00362	9.8089	.00037	.07030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00074	-0.00030	.00249	.00834
Stddev	.00038	.00188	.00035	.00005
%RSD	50.800	634.19	14.204	.56930

#1	.00047	-.00162	.00224	.00830
#2	.00101	.00103	.00274	.00837

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3577.2	5111.4	51835.	10477.
Stddev	14.3	19.7	296.	97.
%RSD	.40025	.38446	.57016	.92590

#1	3587.4	5125.3	51626.	10545.
#2	3567.1	5097.5	52044.	10408.

Sample Name: 480-28122-E-3-A Acquired: 11/12/2012 18:19:24 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0037	.08758	.00157	.00972	.03795	.00012	9.7299	-0.0007	.00292
Stddev	.00034	.01699	.00309	.00039	.00004	.00005	.0645	.00006	.00013
%RSD	92.093	19.399	196.49	4.0519	.10189	41.948	.66249	90.850	4.4059

#1	-.00013	.09959	.00376	.01000	.03792	.00016	9.6843	-.00011	.00283
#2	-.00060	.07557	-.00061	.00944	.03798	.00008	9.7755	-.00002	.00301

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00462	.00139	25.758	3.4385	3.3504	.00367	5.3345	.13385	.00022
Stddev	.00060	.00007	.184	.0010	.0176	.00078	.0291	.00074	.00015
%RSD	13.055	5.0153	.71565	.02885	.52685	21.330	.54558	.55415	66.544

#1	.00419	.00144	25.628	3.4378	3.3379	.00312	5.3551	.13437	.00012
#2	.00505	.00134	25.888	3.4392	3.3629	.00423	5.3139	.13332	.00033

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.4920	.00690	.00051	F 20.53	-0.00164	-0.00036	9.5289	.00005	.07077
Stddev	.0338	.00057	.00122	.02	.00210	.00154	.0865	.00018	.00014
%RSD	.61625	8.2921	238.99	.0738	128.09	423.58	.90777	342.16	.19379

#1	5.4680	.00731	-.00035	20.52	-.00015	.00073	9.4678	-.00008	.07067
#2	5.5159	.00650	.00138	20.54	-.00313	-.00145	9.5901	.00018	.07086

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00053	.00128	.00154	.00764
Stddev	.00082	.00068	.00049	.00011
%RSD	153.20	53.297	31.951	1.4567

#1	-.00004	.00177	.00119	.00756
#2	.00111	.00080	.00188	.00771

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3633.7	5165.3	52794.	10614.
Stddev	6.9	7.5	43.	64.
%RSD	.18954	.14561	.08214	.60569

#1	3638.6	5170.6	52763.	10660.
#2	3628.8	5160.0	52824.	10569.

Sample Name: 480-28122-E-4-A Acquired: 11/12/2012 18:21:30 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0057	.02700	.00084	.00205	.00010	-0.0007	.03512	.00009	.00001
Stddev	.00020	.00285	.00064	.00056	.00000	.00010	.00393	.00012	.00001
%RSD	35.120	10.538	75.890	27.243	3.9962	133.90	11.199	126.03	149.54

#1	-.00043	.02499	.00039	.00244	.00010	-.00014	.03234	.00018	.00002
#2	-.00072	.02902	.00129	.00165	.00011	.00000	.03790	.00001	.00000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	-0.00015	.01033	.04986	.01586	-0.00027	.01189	.00133	.00019
Stddev	.00025	.00021	.00049	.00109	.00076	.00025	.00492	.00007	.00006
%RSD	253.86	143.42	4.7177	2.1869	4.8084	91.495	41.388	4.9317	34.534

#1	.00027	-.00030	.00999	.05063	.01640	-.00045	.00841	.00138	.00014
#2	-.00008	.00000	.01068	.04909	.01532	-.00010	.01537	.00128	.00023

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03594	.00033	.00098	.0147	-0.00036	-0.00234	.01442	-0.00001	.00006
Stddev	.00591	.00014	.00044	.0009	.00060	.00205	.01425	.00019	.00000
%RSD	16.453	42.890	44.893	5.800	165.22	87.695	98.868	1785.6	5.1722

#1	.03176	.00023	.00129	.0141	-.00079	-.00089	.00434	-.00014	.00006
#2	.04012	.00043	.00067	.0153	.00006	-.00379	.02450	.00012	.00006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00015	.00042	-.00048	.00275
Stddev	.00036	.00015	.00001	.00005
%RSD	237.91	36.067	2.2134	1.7710

#1	.00041	.00052	-.00047	.00271
#2	-.00010	.00031	-.00048	.00278

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3662.2	5148.7	53105.	10604.
Stddev	13.5	14.7	365.	138.
%RSD	.36849	.28586	.68739	1.2976

#1	3671.7	5159.1	52847.	10702.
#2	3652.6	5138.3	53363.	10507.

Sample Name: CCV Acquired: 11/12/2012 18:23:43 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49329	24.511	50391	50136	49654	49696	24.944	50385	49400	50361	49263	24.396	25.087
Stddev	.00194	.036	.00227	.00096	.00211	.00010	.054	.00041	.00013	.00006	.00161	.049	.039
%RSD	.39295	.14650	.44956	.19233	.42427	.02070	.21667	.08197	.02583	.01213	.32624	.20100	.15486

#1	.49192	24.485	.50551	.50068	.49505	.49703	24.906	.50356	.49391	.50365	.49150	24.431	25.060
#2	.49467	24.536	.50231	.50204	.49803	.49688	24.983	.50414	.49409	.50356	.49377	24.361	25.114

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.079	49275	24.771	50754	50112	25.002	49728	50495	24.38	51024	49719	24.860	49655
Stddev	.083	.00162	.059	.00013	.00057	.034	.00124	.00130	.03	.00112	.00518	.017	.00268
%RSD	.31688	.32943	.23751	.02610	.11434	.13523	.24959	.25821	.1333	.21923	1.0409	.06700	.54022

#1	26.021	.49160	24.730	.50764	.50072	24.978	.49815	.50587	24.35	.51103	.49353	24.848	.49465
#2	26.138	.49390	24.813	.50745	.50153	25.025	.49640	.50402	24.40	.50945	.50085	24.871	.49845

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	50154	49822	51277	49440	51427
Stddev	.00090	.00222	.00335	.00097	.00066
%RSD	.17868	.44546	.65416	.19701	.12929

#1	.50090	.49665	.51514	.49509	.51474
#2	.50217	.49979	.51040	.49371	.51380

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3384.6	5024.1	50962.	10186.
Stddev	.5	2.0	94.	47.
%RSD	.01600	.04068	.18442	.45915

#1	3384.2	5025.6	51028.	10219.
#2	3385.0	5022.7	50895.	10153.

Sample Name: CCB Acquired: 11/12/2012 18:25:51 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0090	.01151	.00069	.00102	.00003	.00001	.00617	.00008	-0.0003	-0.0006	-0.00044	.00258	.05252
Stddev	.00042	.00881	.00079	.00022	.00004	.00007	.00209	.00009	.00001	.00035	.00013	.00447	.00103
%RSD	46.553	76.508	113.56	21.863	113.60	533.56	33.892	107.30	49.189	547.59	30.197	173.49	1.9560

#1	-.00119	.01774	.00125	.00086	.00001	-.00004	.00469	.00015	-.00002	-.00031	-.00035	-.00058	.05179
#2	-.00060	.00528	.00014	.00117	.00006	.00006	.00764	.00002	-.00004	.00018	-.00053	.00574	.05324

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00357	.00044	.00332	.00004	.00034	.00292	-0.0020	.00157	F .0130	.00012	-0.00351	.02411	-0.00016
Stddev	.00054	.00093	.00197	.00012	.00055	.00833	.00029	.00180	.0098	.00095	.00271	.03020	.00022
%RSD	15.213	211.44	59.246	262.51	162.96	285.34	142.29	114.84	75.64	822.47	77.209	125.26	136.66

#1	.00318	.00110	.00193	-.00004	.00073	-.00297	.00000	.00284	.0199	-.00056	-.00159	.00275	-.00001
#2	.00395	-.00022	.00471	.00013	-.00005	.00881	-.00040	.00030	.0060	.00079	-.00543	.04547	-.00032

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	-0.0029	.00085	-0.0022	-0.0022
Stddev	.00018	.00045	.00052	.00004	.00012
%RSD	270.63	152.03	60.924	17.925	56.775

#1	-.00020	-.00061	.00121	-.00025	-.00013
#2	.00006	.00002	.00048	-.00019	-.00030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3689.5	5180.8	53281.	10300.
Stddev	19.3	26.4	245.	87.
%RSD	.52331	.50991	.46057	.84154

#1	3675.8	5162.1	53455.	10361.
#2	3703.1	5199.5	53108.	10238.

Sample Name: 480-28122-E-6-A Acquired: 11/12/2012 18:28:04 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0046	.11406	.00358	.03885	.03225	.00014	37.838	-0.0090	.00400
Stddev	.00071	.01377	.00079	.00027	.00014	.00003	.240	.00018	.00001
%RSD	153.81	12.070	21.932	.70368	.43189	19.297	.63544	19.963	.14642

#1	.00004	.10432	.00303	.03905	.03215	.00016	37.668	-.00102	.00400
#2	-.00096	.12379	.00414	.03866	.03235	.00012	38.008	-.00077	.00401

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00207	.01670	73.328	1.7761	1.9365	.02302	12.057	1.2814	-.00034
Stddev	.00037	.00011	.398	.0014	.0168	.00017	.021	.0042	.00022
%RSD	17.806	.64469	.54238	.07733	.86536	.72706	.17750	.32622	62.862

#1	.00181	.01678	73.047	1.7752	1.9246	.02314	12.042	1.2785	-.00050
#2	.00234	.01662	73.609	1.7771	1.9483	.02290	12.072	1.2844	-.00019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.4700	.00423	.00165	F 90.31	-.00084	-.00269	16.768	.00067	.16925
Stddev	.0134	.00079	.00126	.33	.00113	.00252	.036	.00013	.00088
%RSD	.17993	18.754	76.274	.3655	134.22	93.693	.21511	20.124	.51875

#1	7.4605	.00479	.00076	90.54	-.00164	-.00091	16.742	.00076	.16863
#2	7.4795	.00367	.00255	90.07	-.00004	-.00448	16.793	.00057	.16987

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00199	-.00026	.00140	.09842
Stddev	.00014	.00174	.00068	.00039
%RSD	6.8242	675.51	48.682	.39548

#1	.00209	-.00149	.00188	.09869
#2	.00190	.00097	.00092	.09814

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3492.1	5058.4	51529.	10319.
Stddev	14.2	11.1	95.	27.
%RSD	.40596	.21989	.18344	.25778

#1	3482.0	5050.5	51462.	10338.
#2	3502.1	5066.3	51596.	10300.

Sample Name: 480-28122-E-7-A Acquired: 11/12/2012 18:30:08 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0013	.09324	.00293	.64529	.03637	.00003	144.71	.00235	.00120
Stddev	.00080	.01902	.00072	.00143	.00010	.00008	1.54	.00009	.00010
%RSD	609.61	20.402	24.752	.22083	.28454	269.04	1.0661	3.9156	8.0938
#1	.00043	.10669	.00344	.64429	.03645	.00008	143.62	.00229	.00126
#2	-.00070	.07979	.00241	.64630	.03630	-.00003	145.80	.00242	.00113

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00221	.00057	.96547	5.7042	7.2829	.00793	28.827	.09070	.00026
Stddev	.00016	.00007	.00512	.0440	.0970	.00012	.010	.00041	.00008
%RSD	7.0589	11.799	.53028	.77139	1.3322	1.5642	.03501	.44736	30.129
#1	.00210	.00052	.96185	5.6731	7.2143	.00784	28.820	.09041	.00031
#2	.00232	.00061	.96909	5.7353	7.3515	.00801	28.835	.09099	.00020

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.303	.02069	.00073	F 113.1	-.00102	.00202	6.6534	-.00022	.45981
Stddev	.264	.00019	.00064	.3	.00098	.00145	.0479	.00003	.00493
%RSD	.93407	.92220	87.173	.2907	96.020	71.866	.71978	14.912	1.0712
#1	28.116	.02083	.00028	112.9	-.00033	.00305	6.6196	-.00019	.45632
#2	28.490	.02056	.00118	113.3	-.00171	.00099	6.6873	-.00024	.46329

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit 10.00
 Low Limit -.0100

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00160	-.00137	.00036	.02435
Stddev	.00009	.00232	.00034	.00114
%RSD	5.7577	168.64	96.058	4.6676
#1	.00167	.00026	.00060	.02515
#2	.00154	-.00301	.00011	.02355

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3322.9	4894.8	49572.9	9913.4
Stddev	2.6	7.2	5.	138.9
%RSD	.07706	.14709	.01040	1.4007
#1	3324.7	4899.9	49568.	10012.
#2	3321.1	4889.8	49576.	9815.2

Sample Name: 480-28122-E-8-A Acquired: 11/12/2012 18:32:13 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0201	16.828	.00151	.00828	.02003	.00553	64.089	.00479	.02971
Stddev	.00035	.168	.00119	.00059	.00004	.00001	.579	.00004	.00005
%RSD	17.414	.99997	78.875	7.0847	.22440	.27097	.90314	.88847	.18050

#1	-.00176	16.947	.00235	.00869	.02006	.00554	64.498	.00476	.02975
#2	-.00226	16.709	.00067	.00786	.02000	.00552	63.680	.00482	.02967

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02093	.04101	.34125	4.6926	5.3533	.02293	25.289	1.5326	.00017
Stddev	.00006	.00023	.00225	.0722	.0608	.00098	.037	.0016	.00015
%RSD	.29832	.56279	.65847	1.5393	1.1361	4.2953	.14580	.10182	85.070

#1	.02089	.04118	.34284	4.7437	5.3963	.02363	25.263	1.5315	.00028
#2	.02097	.04085	.33967	4.6416	5.3103	.02223	25.315	1.5337	.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.6470	.04693	.00404	F 124.4	-0.00287	-0.00426	31.082	.00000	.25258
Stddev	.0420	.00057	.00011	.8	.00032	.00084	.216	.0006	.00280
%RSD	.90316	1.2122	2.8119	.6619	11.048	19.653	.69527	30803.	1.1094

#1	4.6767	.04733	.00412	125.0	-.00265	-.00485	31.235	.00039	.25456
#2	4.6174	.04653	.00396	123.8	-.00310	-.00367	30.929	-.00040	.25060

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00047	-.00042	.00161	.15427
Stddev	.00042	.00215	.00006	.00090
%RSD	90.405	515.11	3.9537	.58485

#1	.00076	.00110	.00157	.15364
#2	.00017	-.00194	.00166	.15491

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3481.9	5397.9	55055.	10996.
Stddev	6.3	1.7	130.	81.
%RSD	.17993	.03173	.23625	.73795

#1	3486.3	5399.1	55147.	10939.
#2	3477.4	5396.7	54963.	11053.

Sample Name: 480-28122-E-10-A Acquired: 11/12/2012 18:34:19 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0188	.65958	.00101	.02112	.07890	.00085	35.031	.00249	.12550
Stddev	.00046	.00912	.00017	.00020	.00004	.00005	.085	.00003	.00010
%RSD	24.626	1.3830	17.106	.92883	.05525	6.2224	.24256	1.1858	.08314
#1	-.00221	.65313	.00088	.02098	.07893	.00082	34.971	.00247	.12542
#2	-.00155	.66603	.00113	.02125	.07887	.00089	35.091	.00251	.12557

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00051	.02413	33.049	3.8290	4.0603	.00986	13.008	2.8689	-.00033
Stddev	.00061	.00040	.130	.0125	.0426	.00040	.055	.0086	.00004
%RSD	120.24	1.6407	.39337	.32755	1.0500	4.1012	.42301	.29895	12.874
#1	.00094	.02385	33.141	3.8201	4.0904	.00958	12.969	2.8628	-.00036
#2	.00008	.02441	32.957	3.8379	4.0301	.01015	13.047	2.8750	-.00030

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.4513	.05498	.00132	F 70.78	-.00021	.00069	12.023	-.00007	.20776
Stddev	.0156	.00114	.00164	.17	.00117	.00088	.026	.00001	.00025
%RSD	.20881	2.0660	123.67	.2430	562.33	128.36	.21780	13.096	.11919
#1	7.4623	.05578	.00248	70.66	.00062	.00131	12.005	-.00008	.20794
#2	7.4403	.05418	.00017	70.90	-.00104	.00006	12.042	-.00007	.20759

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit 10.00
 Low Limit -.0100

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	-.00008	.00082	.00168	.37460
Stddev	.00060	.00026	.00021	.00242
%RSD	726.48	31.658	12.470	.64698
#1	.00034	.00064	.00153	.37289
#2	-.00051	.00100	.00183	.37631

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3533.4	5133.5	52890.	10480.
Stddev	16.6	23.4	160.	46.
%RSD	.47094	.45528	.30335	.43513
#1	3545.2	5150.0	53004.	10448.
#2	3521.7	5117.0	52777.	10513.

Sample Name: 480-28122-E-9-A Acquired: 11/12/2012 18:36:22 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0119	1.1618	.00184	.07818	.02030	.00165	108.07	.02490	.09621
Stddev	.00061	.0200	.00231	.00077	.00014	.00006	.82	.00017	.00116
%RSD	51.399	1.7176	125.91	.99124	.69682	3.3543	.75449	.67866	1.2058
#1	-.00076	1.1759	.00020	.07873	.02040	.00161	108.64	.02502	.09703
#2	-.00162	1.1477	.00347	.07763	.02020	.00169	107.49	.02478	.09539

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00340	.00586	.25572	8.0811	9.2490	.02816	30.517	2.7525	-.00010
Stddev	.00034	.00004	.02869	.0031	.0812	.00022	.173	.0133	.00017
%RSD	9.8975	.76462	11.218	.03810	.87837	.76775	.56529	.48423	174.29
#1	.00364	.00583	.27600	8.0789	9.3064	.02800	30.639	2.7619	-.00021
#2	.00316	.00590	.23544	8.0832	9.1915	.02831	30.395	2.7431	.00002

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.3978	.15257	.00039	F 135.4	-.00023	.00136	16.179	-.00065	.38455
Stddev	.0374	.00025	.00039	.9	.00157	.00165	.101	.00023	.00109
%RSD	.50623	.16352	100.57	.6752	670.51	121.49	.62616	34.845	.28445
#1	7.4243	.15275	.00067	136.1	.00088	.00253	16.251	-.00082	.38532
#2	7.3713	.15240	.00011	134.8	-.00134	.00019	16.107	-.00049	.38377

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit 10.00
 Low Limit -.0100

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00083	.00062	.00146	.15180
Stddev	.00013	.00054	.00028	.00045
%RSD	15.316	88.355	19.163	.29615
#1	.00074	.00100	.00166	.15212
#2	.00092	.00023	.00126	.15148

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3442.5	5084.1	52022.	10263.
Stddev	28.9	36.0	404.	81.
%RSD	.84064	.70888	.77752	.78656
#1	3422.0	5058.6	51736.	10206.
#2	3463.0	5109.6	52308.	10320.

Sample Name: 480-28107-E-1-A Acquired: 11/12/2012 18:38:34 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0075	.06467	.03422	15.603	1.1067	.00005	52.076	.00010	.05339
Stddev	.00078	.00631	.00212	.043	.0061	.00002	.351	.00002	.00025
%RSD	103.56	9.7603	6.1976	.27343	.54923	28.433	.67392	19.729	.47467

#1	-.00130	.06021	.03272	15.633	1.1024	.00004	51.828	.00008	.05321
#2	-.00020	.06914	.03572	15.573	1.1110	.00006	52.324	.00011	.05357

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06188	.00378	3.3368	F 702.03	132.52	.06790	149.88	.28279	.00499
Stddev	.00045	.00030	.0029	10.90	4.12	.00051	.89	.00175	.00015
%RSD	.72432	7.8816	.08760	1.5527	3.1113	.74677	.59581	.61824	2.9920

#1	.06220	.00399	3.3347	709.73	129.60	.06754	150.51	.28403	.00510
#2	.06157	.00356	3.3388	694.32	135.43	.06826	149.25	.28156	.00488

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				600.00					
Low Limit				-50000					

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2353.4	.20126	.00275	F 26.16	-0.00150	.00249	23.697	.00487	1.2482
Stddev	13.6	.00214	.00008	.08	.00017	.00086	.113	.00036	.0061
%RSD	.57848	1.0626	2.7343	.3226	11.333	34.670	.47553	7.4717	.48520

#1	2343.7	.20278	.00269	26.22	-.00162	.00310	23.617	.00513	1.2439
#2	2363.0	.19975	.00280	26.10	-.00138	.00188	23.776	.00461	1.2525

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.08883	-.00170	.02960	.00984
Stddev	.00036	.00395	.00034	.00019
%RSD	.40410	232.59	1.1366	1.8817

#1	.08909	-.00449	.02936	.00997
#2	.08858	.00109	.02984	.00971

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2554.6	4313.1	41811.	9941.9
Stddev	2.3	2.0	92.	59.6
%RSD	.09025	.04711	.22085	.59963

#1	2556.3	4311.7	41746.	9984.0
#2	2553.0	4314.6	41876.	9899.7

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0047	.03319	.06761	.04932	.83863	.00000	26.809	-0.0039	.00709
Stddev	.00030	.00670	.00084	.00160	.00068	.00001	.021	.00013	.00003
%RSD	63.697	20.192	1.2460	3.2528	.08159	202.61	.07867	33.680	.44829

#1	-.00068	.02845	.06702	.05045	.83815	.00000	26.794	-.00029	.00707
#2	-.00026	.03793	.06821	.04818	.83912	.00001	26.824	-.00048	.00711

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00124	.00004	28.670	3.3869	1.4474	.00723	10.303	8.2592	-0.0044
Stddev	.00014	.00057	.075	.1527	.0188	.00052	.187	.1417	.00005
%RSD	10.887	1460.6	.26088	4.5080	1.2966	7.1312	1.8197	1.7152	12.362

#1	.00134	-.00036	28.723	3.4949	1.4342	.00687	10.435	8.3594	-.00048
#2	.00115	.00044	28.617	3.2790	1.4607	.00760	10.170	8.1590	-.00040

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.5239	.00222	.00166	1.346	-0.0063	.00304	6.1446	.00003	.10046
Stddev	.1817	.00034	.00082	.005	.00015	.00166	.0058	.00026	.00018
%RSD	5.1562	15.313	49.752	.3717	23.536	54.536	.09371	884.47	.17597

#1	3.6523	.00246	.00107	1.349	-.00052	.00186	6.1486	-.00016	.10059
#2	3.3954	.00198	.00224	1.342	-.00073	.00421	6.1405	.00022	.10034

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00022	.00541	.00417	.00291
Stddev	.00001	.00004	.00010	.00076
%RSD	5.8654	.69197	2.4313	26.189

#1	.00021	.00538	.00410	.00345
#2	.00023	.00544	.00424	.00237

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3567.7	5126.5	52160.	10389.
Stddev	.9	11.7	383.	19.
%RSD	.02511	.22856	.73388	.18502

#1	3567.1	5134.7	51890.	10403.
#2	3568.3	5118.2	52431.	10376.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0043	.05456	.01440	.02170	.17495	-0.0001	7.4203	.00009	.00129
Stddev	.00014	.07519	.00118	.00106	.00111	.00006	2.8808	.00011	.00007
%RSD	32.370	137.81	8.1901	4.8733	.63300	1103.4	38.823	120.65	5.3622

#1	-0.00033	.00139	.01356	.02244	.17573	-0.00005	5.3833	.00017	.00134
#2	-0.00053	.10773	.01523	.02095	.17416	.00004	9.4573	.00001	.00124

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0009	-0.0007	5.9609	11.334	.30240	.00283	2.1245	1.7495	-0.0014
Stddev	.00035	.00019	.2122	14.415	.01961	.00220	.0278	.0135	.00008
%RSD	385.75	259.14	3.5592	127.18	6.4855	77.746	1.3080	.77393	57.424

#1	-0.00034	.00006	5.8109	1.1414	.31626	.00127	2.1441	1.7591	-0.0008
#2	.00016	-0.00021	6.1109	21.527	.28853	.00439	2.1048	1.7399	-0.0020

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	30.475	-0.0005	.00096	.2776	-0.00095	-0.00174	1.7833	-0.00031	.04206
Stddev	42.180	.00035	.00020	.0015	.00110	.00144	.8052	.00031	.03112
%RSD	138.41	756.83	21.174	.5387	115.89	82.860	45.153	99.950	73.995

#1	.64933	-0.00030	.00082	.2766	-0.00173	-0.00072	1.2139	-0.00052	.02005
#2	60.301	.00020	.00111	.2787	-0.00017	-0.00276	2.3527	-0.00009	.06406

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00026	.00131	.00104	.00057
Stddev	.00027	.00116	.00037	.00071
%RSD	102.37	88.033	35.338	122.73

#1	.00007	.00213	.00078	.00107
#2	.00045	.00050	.00130	.00008

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3642.8	5155.9	53183.	10398.
Stddev	10.2	6.0	318.	389.
%RSD	.27871	.11553	.59881	3.7403

#1	3650.0	5160.2	52957.	10123.
#2	3635.6	5151.7	53408.	10673.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04870	10.125	.27088	.24880	1.0150	.20406	36.047	.20380	.21190
Stddev	.00068	.009	.00050	.00458	.0030	.00008	.253	.00024	.00083
%RSD	1.3872	.08535	.18491	1.8391	.29277	.04142	.70054	.11584	.39034

#1	.04918	10.119	.27123	.25204	1.0129	.20400	35.868	.20364	.21132
#2	.04822	10.131	.27052	.24557	1.0171	.20412	36.225	.20397	.21249

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20665	.20399	37.587	12.273	22.580	.20715	20.574	8.2685	.20612
Stddev	.00282	.00086	.020	.064	14.908	.00053	.158	.1576	.00034
%RSD	1.3654	.42118	.05372	.52313	66.022	.25659	.76598	1.9064	.16390

#1	.20865	.20338	37.573	12.227	12.039	.20677	20.686	8.3800	.20588
#2	.20466	.20460	37.602	12.318	33.122	.20753	20.463	8.1571	.20636

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.069	.20471	.20937	1.333	.20206	.20070	16.605	.19276	.30785
Stddev	.023	.00091	.00060	.026	.00054	.00045	.154	.00094	.00009
%RSD	.17691	.44315	.28611	1.919	.26852	.22606	.92554	.48745	.02795

#1	13.053	.20407	.20894	1.351	.20167	.20037	16.496	.19210	.30791
#2	13.086	.20535	.20979	1.315	.20244	.20102	16.713	.19343	.30779

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.20324	.20577	.20814	.22542
Stddev	.00049	.00010	.00204	.00466
%RSD	.24167	.04766	.97781	2.0690

#1	.20359	.20584	.20958	.22871
#2	.20289	.20570	.20670	.22212

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3433.3	5053.3	50902.	10268.
Stddev	9.3	10.8	894.	128.
%RSD	.26970	.21393	1.7555	1.2419

#1	3426.7	5045.7	50270.	10358.
#2	3439.8	5061.0	51534.	10178.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05235	10.175	.26952	.23233	1.0486	.20640	37.264	.20227	.21145
Stddev	.00054	.044	.00112	.00032	.0053	.00050	.132	.00086	.00004
%RSD	1.0224	.43367	.41510	.13862	.50927	.24347	.35451	.42702	.01755

#1	.05273	10.143	.26873	.23256	1.0448	.20604	37.170	.20288	.21148
#2	.05197	10.206	.27031	.23210	1.0524	.20675	37.357	.20166	.21142

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20918	.20489	38.508	12.234	12.716	.20935	20.470	8.3878	.20254
Stddev	.00221	.00158	.071	.053	.280	.00009	.234	.0775	.00017
%RSD	1.0547	.76927	.18415	.43402	2.1981	.04274	1.1455	.92433	.08358

#1	.20762	.20378	38.458	12.197	12.518	.20928	20.304	8.3330	.20242
#2	.21074	.20601	38.558	12.272	12.914	.20941	20.636	8.4426	.20266

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.130	.20229	.20434	1.311	.20039	.19705	16.470	.19817	.30432
Stddev	.025	.00033	.00020	.000	.00036	.00243	.078	.00104	.00091
%RSD	.18750	.16512	.09933	.0120	.17873	1.2328	.47157	.52538	.30009

#1	13.112	.20206	.20420	1.311	.20064	.19533	16.415	.19743	.30368
#2	13.147	.20253	.20448	1.311	.20014	.19877	16.525	.19890	.30497

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19549	.20678	.20651	.22186
Stddev	.00048	.00152	.00027	.00093
%RSD	.24665	.73437	.13018	.41780

#1	.19515	.20571	.20632	.22120
#2	.19583	.20786	.20670	.22251

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3428.8	5066.0	51499.	10209.
Stddev	28.8	32.6	87.	48.
%RSD	.83854	.64414	.16908	.47107

#1	3449.1	5089.1	51560.	10243.
#2	3408.5	5042.9	51437.	10175.

Sample Name: CCV Acquired: 11/12/2012 18:50:09 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50167	25.079	.50265	.50791	.50654	.50099	25.627	.50432	.49656	.51069	.49418	24.670	25.772
Stddev	.00062	.166	.00282	.00118	.00321	.00499	.133	.00091	.00008	.00093	.00249	.214	.184
%RSD	.12360	.66377	.56079	.23156	.63330	.99698	.51971	.18096	.01620	.18195	.50309	.86782	.71266

#1	.50123	25.196	.50464	.50874	.50881	.50453	25.721	.50496	.49651	.51003	.49242	24.821	25.901
#2	.50211	24.961	.50066	.50708	.50427	.49746	25.533	.50367	.49662	.51134	.49594	24.518	25.642

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.490	.49891	24.872	.50986	.50095	25.360	.49698	.50653	24.13	.50439	.49650	25.583	.49815
Stddev	.044	.00559	.127	.00299	.00075	.202	.00067	.00190	.00075	.00076	.00006	.065	.00045
%RSD	.16502	1.1196	.51028	.58740	.14880	.79518	.13580	.37434	.0027	.15073	.01117	.25555	.09093

#1	26.521	.50286	24.782	.50774	.50042	25.503	.49651	.50787	24.13	.50385	.49646	25.630	.49847
#2	26.459	.49496	24.962	.51197	.50147	25.218	.49746	.50519	24.13	.50493	.49654	25.537	.49783

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50701	.49900	.51107	.50278	.52307
Stddev	.00322	.00222	.00116	.00163	.00044
%RSD	.63492	.44400	.22657	.32446	.08476

#1	.50929	.49743	.51189	.50163	.52338
#2	.50474	.50057	.51025	.50394	.52275

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3353.0	4983.1	50227.	9820.9
Stddev	1.0	7.4	2.	27.6
%RSD	.02943	.14918	.00336	.28069

#1	3353.7	4977.8	50228.	9801.4
#2	3352.3	4988.3	50226.	9840.4

Sample Name: CCB Acquired: 11/12/2012 18:52:17 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0137	.00635	.00208	.00757	.00002	-0.00004	.00329	.00027	.00022	-0.00001	-0.00048	.00039	.34936
Stddev	.00063	.00087	.00148	.00062	.00001	.00003	.00081	.00035	.00012	.00004	.00006	.00097	.01664
%RSD	46.333	13.686	71.359	8.2160	31.586	72.644	24.532	129.80	55.235	496.27	12.416	245.86	4.7618

#1	-0.0181	.00574	.00103	.00801	.00002	-0.00002	.00272	.00052	.00031	-0.00004	-0.00052	.00108	.36113
#2	-0.0092	.00697	.00313	.00713	.00002	-0.00007	.00386	.00002	.00013	.00002	-0.00044	-0.00029	.33760

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00534	-0.00017	.00296	.00002	.00044	.11140	-0.00003	.00146	F .0171	-0.00060	-0.00346	.03016	-0.00030
Stddev	.00015	.00093	.00198	.00011	.00022	.00184	.00025	.00151	.0207	.00094	.00451	.00690	.00037
%RSD	2.7900	534.95	66.661	472.20	49.258	1.6507	750.73	103.38	121.1	156.12	130.60	22.887	125.76

#1	.00544	.00048	.00157	-.00006	.00060	.11270	.00014	.00253	.0317	-.00127	-.00026	.03504	-.00056
#2	.00523	-.00083	.00436	.00010	.00029	.11010	-.00021	.00039	.0024	.00006	-.00665	.02528	-.00003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00005	-0.00034	-0.00239	-0.00034	.00037
Stddev	.00002	.00009	.00216	.00027	.00020
%RSD	45.764	25.903	90.382	78.386	54.505

#1	-.00003	-.00028	-.00086	-.00015	.00052
#2	-.00006	-.00040	-.00392	-.00053	.00023

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3670.5	5164.4	52341.	10058.
Stddev	19.5	28.4	328.	86.
%RSD	.53005	.54951	.62619	.85242

#1	3684.2	5184.5	52573.	9996.9
#2	3656.7	5144.3	52109.	10118.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05375	10.074	.26989	.23040	1.0357	.20513	37.002	.20244	.21076
Stddev	.00409	.029	.00092	.00026	.0016	.00006	.064	.00043	.00060
%RSD	7.6018	.28888	.33992	.11340	.15187	.02801	.17311	.21428	.28470

#1	.05086	10.095	.27054	.23059	1.0346	.20517	37.048	.20213	.21034
#2	.05664	10.054	.26924	.23022	1.0368	.20509	36.957	.20274	.21119

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20596	.20245	38.362	11.941	12.850	.20664	20.148	8.2461	.20319
Stddev	.00392	.00181	.054	.012	.089	.00060	.387	.0889	.00022
%RSD	1.9030	.89633	.13988	.10405	.69299	.28948	1.9211	1.0780	.10743

#1	.20873	.20117	38.400	11.950	12.913	.20622	20.422	8.3089	.20334
#2	.20319	.20374	38.324	11.932	12.787	.20707	19.875	8.1832	.20303

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.959	.20205	.20366	1.331	.20453	.19771	16.274	.19757	.30053
Stddev	.052	.00004	.00192	.001	.00270	.00148	.026	.00006	.00008
%RSD	.39869	.01832	.94282	.0895	1.3206	.74682	.15965	.03205	.02631

#1	12.995	.20208	.20230	1.332	.20644	.19667	16.293	.19761	.30058
#2	12.922	.20203	.20502	1.330	.20262	.19875	16.256	.19752	.30047

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19486	.20590	.20239	.21605
Stddev	.00049	.00318	.00041	.00353
%RSD	.24920	1.5452	.20357	1.6329

#1	.19452	.20815	.20268	.21855
#2	.19521	.20365	.20210	.21356

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3458.7	5095.2	52251.	10173.
Stddev	19.7	24.8	470.	89.
%RSD	.56899	.48628	.90038	.87587

#1	3472.6	5112.7	51918.	10110.
#2	3444.8	5077.7	52583.	10237.

Sample Name: 480-28125-C-18-A Acquired: 11/12/2012 18:56:49 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0062	.04380	.03201	.03020	.29587	.00052	22.717	.00006	.00718
Stddev	.00009	.03260	.00233	.00068	.00305	.00057	.300	.00006	.00002
%RSD	14.307	74.442	7.2709	2.2628	1.0316	108.65	1.3192	96.339	.21889
#1	-.00056	.06685	.03365	.03068	.29371	.00093	22.929	.00002	.00717
#2	-.00068	.02074	.03036	.02971	.29803	.00012	22.506	.00010	.00719

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00066	.00025	3.5421	1.6387	1.3644	.00733	10.295	4.7542	.00048
Stddev	.00042	.00012	.0775	.0998	.0469	.00082	.112	.0631	.00014
%RSD	64.154	46.619	2.1881	6.0912	3.4350	11.186	1.0854	1.3275	28.996
#1	.00096	.00034	3.5969	1.7093	1.3976	.00791	10.216	4.7096	.00057
#2	.00036	.00017	3.4873	1.5681	1.3313	.00675	10.374	4.7988	.00038

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.7367	.00229	.00235	1.724	-0.0081	-0.00200	6.0094	-0.00020	.15977
Stddev	.1785	.00028	.00094	.008	.00084	.00103	.1320	.00006	.00129
%RSD	4.7760	12.355	40.110	.4424	104.06	51.471	2.1964	30.126	.80839
#1	3.8629	.00209	.00168	1.719	-.00021	-.00272	6.1028	-.00024	.16068
#2	3.6105	.00249	.00301	1.730	-.00140	-.00127	5.9161	-.00016	.15886

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00026	.00247	.00232	.00272
Stddev	.00026	.00135	.00026	.00038
%RSD	98.179	54.643	11.091	13.998
#1	.00008	.00152	.00213	.00299
#2	.00044	.00343	.00250	.00245

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3571.0	5111.3	52138.	10155.
Stddev	1.6	6.1	475.	347.
%RSD	.04367	.12025	.91189	3.4142
#1	3569.9	5115.6	52474.	9910.1
#2	3572.1	5106.9	51802.	10400.

Sample Name: 480-28125-C-19-A Acquired: 11/12/2012 18:58:55 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0091	.00802	.03036	.02928	.29126	-0.0003	23.328	.00002	.00729
Stddev	.00033	.01124	.00144	.00020	.00004	.00001	.332	.00004	.00009
%RSD	35.931	140.25	4.7278	.68529	.01246	41.838	1.4249	200.46	1.2897

#1	-.00114	.01597	.02934	.02942	.29129	-.00002	23.093	.00004	.00735
#2	-.00068	.00007	.03137	.02914	.29123	-.00004	23.563	-.00001	.00722

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	.00061	3.4583	1.5561	1.3212	.00644	10.194	4.7168	.00052
Stddev	.00010	.00009	.0285	.0362	.0217	.00099	.038	.0146	.00004
%RSD	38.744	14.806	.82431	2.3286	1.6466	15.436	.36856	.31036	8.2654

#1	.00034	.00054	3.4381	1.5305	1.3058	.00574	10.221	4.7271	.00049
#2	.00019	.00067	3.4784	1.5818	1.3365	.00714	10.168	4.7064	.00055

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.6815	.00170	.00151	1.737	.00009	-.00253	5.9216	.00019	.15980
Stddev	.0476	.00048	.00217	.008	.00088	.00392	.0784	.00023	.00177
%RSD	1.2943	28.287	143.72	.4825	951.23	155.04	1.3236	123.42	1.1089

#1	3.6478	.00136	.00304	1.743	-.00053	-.00529	5.8662	.00035	.15855
#2	3.7152	.00204	-.00002	1.731	.00071	.00024	5.9770	.00002	.16105

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00036	.00398	.00203	.00335
Stddev	.00009	.00023	.00024	.00007
%RSD	24.947	5.7564	11.597	2.0013

#1	.00042	.00415	.00187	.00340
#2	.00030	.00382	.00220	.00330

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3571.7	5111.0	52414.	10453.
Stddev	7.3	7.9	256.	121.
%RSD	.20333	.15528	.48814	1.1592

#1	3576.8	5116.6	52233.	10539.
#2	3566.5	5105.4	52595.	10367.

Sample Name: 480-28103-D-1-A Acquired: 11/12/2012 19:01:01 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0100	20.440	.00547	.01744	.03056	.00232	4.0507	.00017	.01016
Stddev	.00028	.055	.00043	.00001	.00018	.00000	.0178	.00004	.00023
%RSD	28.264	.26961	7.9336	.03355	.60178	.02734	.44020	22.437	2.3112

#1	-.00120	20.479	.00578	.01743	.03043	.00232	4.0633	.00020	.01033
#2	-.00080	20.401	.00516	.01744	.03069	.00232	4.0381	.00015	.00999

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02241	.02151	22.166	5.5449	5.1921	.02609	4.0316	1.1860	.00036
Stddev	.00070	.00004	.007	.0237	.0171	.00141	.0009	.0045	.00015
%RSD	3.1050	.16781	.03111	.42715	.32972	5.4155	.02332	.38318	40.981

#1	.02192	.02154	22.171	5.5616	5.1800	.02509	4.0310	1.1827	.00026
#2	.02290	.02149	22.161	5.5281	5.2042	.02709	4.0323	1.1892	.00047

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97617	.03614	.01193	.3897	-.00120	-.00085	31.703	.00087	.00449
Stddev	.00614	.00012	.00106	.0018	.00055	.00311	.094	.00022	.00002
%RSD	.62879	.31979	8.8724	.4538	45.445	367.10	.29757	25.242	.34120

#1	.98051	.03605	.01268	.3910	-.00159	-.00305	31.769	.00102	.00450
#2	.97183	.03622	.01118	.3885	-.00082	.00135	31.636	.00071	.00448

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19790	.00068	.05666	.10605
Stddev	.00124	.00061	.00094	.00195
%RSD	.62564	90.242	1.6607	1.8356

#1	.19703	.00111	.05599	.10467
#2	.19878	.00025	.05732	.10742

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3618.1	5239.0	53315.	10525.
Stddev	13.4	13.7	315.	38.
%RSD	.36989	.26118	.59104	.35747

#1	3608.6	5229.3	53538.	10552.
#2	3627.5	5248.6	53092.	10499.

Sample Name: 480-28101-I-1-A Acquired: 11/12/2012 19:03:06 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0111	.34891	.11811	16.928	.88366	.00059	101.05	-0.0013	.07402
Stddev	.00025	.25493	.00155	.017	.04366	.00088	6.34	.00005	.00006
%RSD	22.384	73.065	1.3090	.10103	4.9406	150.64	6.2728	35.506	.07779

#1	-.00093	.16865	.11921	16.915	.91453	-.00004	105.53	-.00017	.07406
#2	-.00129	.52917	.11702	16.940	.85278	.00121	96.569	-.00010	.07398

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19781	.00651	9.0532	473.95	^ *****	.07002	98.548	1.0604	.02435
Stddev	.00124	.00016	.0918	30.22	----	.00241	.553	.0063	.00016
%RSD	.62818	2.4118	1.0136	6.3756	----	3.4437	.56156	.59811	.65204

#1	.19693	.00662	9.1181	495.31	^ ----	.07172	98.157	1.0559	.02446
#2	.19869	.00640	8.9883	452.58	^ ----	.06831	98.940	1.0649	.02424

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2059.5	.40590	.00322	F 39.97	.01359	.00338	30.760	.02216	1.0832
Stddev	124.4	.00213	.00271	.03	.00136	.00095	1.426	.00089	.0597
%RSD	6.0410	.52371	84.325	.0795	9.9742	27.944	4.6376	4.0157	5.5130

#1	2147.5	.40440	.00513	39.95	.01455	.00405	31.769	.02279	1.1254
#2	1971.6	.40741	.00130	40.00	.01264	.00271	29.751	.02153	1.0410

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.42595	-.00262	.18961	.16772
Stddev	.00043	.00223	.00089	.00277
%RSD	.10086	85.077	.47077	1.6528

#1	.42625	-.00104	.18898	.16576
#2	.42564	-.00419	.19024	.16968

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2567.8	4307.1	41578.	9604.9
Stddev	6.5	7.6	81.	367.9
%RSD	.25162	.17603	.19569	3.8300

#1	2572.4	4312.4	41635.	9344.8
#2	2563.3	4301.7	41520.	9865.0

Sample Name: MB 480-90055/1-A Acquired: 11/12/2012 19:05:24 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0071	.00716	.00128	F .03667	.00006	.00002	.04089	.00002	.00003
Stddev	.00003	.00902	.00019	.00570	.00001	.00005	.00112	.00006	.00006
%RSD	3.6660	126.00	14.989	15.547	10.572	284.73	2.7436	413.41	187.69

#1	-.00069	.00078	.00115	.04070	.00006	.00005	.04168	-.00003	.00007
#2	-.00073	.01354	.00142	.03264	.00007	-.00002	.04009	.00006	-.00001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.02000					
Low Limit				-.00800					

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	-.00025	.00502	F 1.4065	.02531	.00024	.00392	.00027	.00027
Stddev	.00019	.00017	.00109	.1453	.00225	.00116	.00276	.00001	.00008
%RSD	72.187	64.996	21.790	10.329	8.8777	477.53	70.415	3.0140	30.616

#1	.00013	-.00014	.00579	1.5092	.02689	-.00058	.00197	.00028	.00021
#2	.00040	-.00037	.00425	1.3038	.02372	.00107	.00588	.00027	.00033

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.50000					
Low Limit				-.50000					

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.69559	.00004	.00044	F .0232	-.00077	-.00216	.32177	.00046	.00013
Stddev	.08873	.00004	.00129	.0065	.00202	.00248	.04369	.00008	.00009
%RSD	12.756	99.058	291.44	28.00	262.92	115.03	13.579	17.438	72.114

#1	.75833	.00001	.00136	.0278	.00066	-.00040	.35267	.00040	.00020
#2	.63285	.00006	-.00047	.0186	-.00220	-.00391	.29087	.00052	.00006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0030					
Low Limit				-.0040					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00040	-.00214	-.00037	.00130
Stddev	.00013	.00143	.00010	.00066
%RSD	31.802	66.966	26.226	50.794

#1	.00049	-.00113	-.00043	.00083
#2	.00031	-.00315	-.00030	.00177

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3729.7	5224.0	54020.	10558.
Stddev	11.2	18.9	18.	28.
%RSD	.30142	.36249	.03325	.26844

#1	3721.8	5210.6	54033.	10537.
#2	3737.7	5237.4	54008.	10578.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05121	10.052	.20731	.22454	.20791	.20356	10.539	.20451	.20495
Stddev	.00036	.177	.00098	.00176	.00138	.00235	.316	.00112	.00040
%RSD	.70932	1.7607	.47290	.78223	.66558	1.1559	2.9963	.54838	.19291

#1	.05095	10.177	.20800	.22578	.20693	.20522	10.316	.20531	.20523
#2	.05147	9.9269	.20662	.22329	.20889	.20189	10.762	.20372	.20467

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21119	.20122	10.000	F 12.314	9.8040	.19945	10.346	.20448	.20602
Stddev	.00062	.00110	.115	2.148	.0876	.00319	.056	.00041	.00157
%RSD	.29406	.54459	1.1504	17.442	.89303	1.6014	.53968	.19966	.76197

#1	.21075	.20045	10.082	10.795	9.8660	.20171	10.307	.20419	.20713
#2	.21163	.20200	9.9190	13.832	9.7421	.19720	10.386	.20477	.20491

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				11.500					
Low Limit				8.5000					

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 16.481	.20007	.20450	F .0028	.20143	.19445	10.734	.19556	.20624
Stddev	9.292	.00061	.00217	.0013	.00079	.00068	.156	.00065	.00264
%RSD	56.379	.30489	1.0629	47.88	.38979	.34748	1.4544	.33068	1.2796

#1	9.9108	.20050	.20296	.0018	.20087	.19492	10.623	.19602	.20437
#2	23.052	.19964	.20604	.0037	.20199	.19397	10.844	.19510	.20810

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	11.500			11.50					
Low Limit	8.5000			8.500					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19504	.20054	.20220	.22365
Stddev	.00108	.00012	.00173	.00317
%RSD	.55386	.05939	.85606	1.4185

#1	.19428	.20046	.20097	.22140
#2	.19581	.20063	.20342	.22589

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3498.0	5070.9	51687.	10217.
Stddev	11.9	8.8	339.	122.
%RSD	.33893	.17378	.65602	1.1981

#1	3506.4	5077.2	51927.	10131.
#2	3489.6	5064.7	51447.	10304.

Sample Name: 480-28155-A-1-A Acquired: 11/12/2012 19:09:40 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0084	.15032	.00238	.57229	.04222	-0.0007	146.59	.00060	.00008
Stddev	.00010	.00379	.00174	.00198	.00006	.00002	.05	.00007	.00008
%RSD	11.323	2.5226	73.146	.34614	.13700	25.049	.03498	12.016	92.744

#1	-0.0091	.15301	.00362	.57369	.04226	-0.0008	146.62	.00055	.00003
#2	-0.0077	.14764	.00115	.57089	.04218	-0.0006	146.55	.00065	.00014

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00329	.00532	.38036	2.4605	2.3369	.00857	56.860	.00371	.00214
Stddev	.00040	.00037	.00184	.0171	.0063	.00067	.184	.00001	.00008
%RSD	12.086	6.9110	.48407	.69496	.26912	7.8190	.32335	.22765	3.6542

#1	.00357	.00506	.37906	2.4726	2.3325	.00904	56.990	.00370	.00209
#2	.00301	.00558	.38166	2.4484	2.3413	.00810	56.730	.00371	.00220

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.109	.00387	.00105	F 45.21	.00013	-0.00389	7.8063	-0.0026	.81117
Stddev	.055	.00005	.00090	.15	.00028	.00019	.0006	.00064	.00294
%RSD	.27191	1.1733	85.881	.3318	218.30	4.9983	.00811	241.76	.36246

#1	20.148	.00391	.00168	45.32	.00032	-0.00403	7.8058	-0.00071	.81324
#2	20.070	.00384	.00041	45.11	-0.00007	-0.00376	7.8067	.00019	.80909

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00344	-0.00106	.00111	.02993
Stddev	.00016	.00069	.00026	.00066
%RSD	4.7216	65.446	23.532	2.1940

#1	.00356	-0.00154	.00129	.03039
#2	.00333	-0.00057	.00093	.02946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3306.8	4878.9	49714.	10127.
Stddev	3.1	4.7	165.	5.
%RSD	.09514	.09625	.33094	.04622

#1	3309.0	4875.6	49598.	10123.
#2	3304.6	4882.2	49831.	10130.

Sample Name: 480-28155-A-2-A Acquired: 11/12/2012 19:11:44 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0024	.06109	.00193	.09200	.05052	-0.0002	134.59	.00070	-0.0002
Stddev	.00001	.00701	.00141	.00023	.00012	.00002	.40	.00015	.00011
%RSD	6.0042	11.468	73.020	.24513	.23779	103.68	.29602	21.242	521.52

#1	-.00025	.06605	.00094	.09216	.05060	-.00003	134.31	.00081	.00005
#2	-.00023	.05614	.00293	.09184	.05043	-.00001	134.87	.00060	-.00010

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00351	.00699	.32133	3.4614	3.6595	.02296	79.160	.00704	.00109
Stddev	.00007	.00014	.00225	.0004	.0070	.00061	.352	.00018	.00030
%RSD	1.8953	2.0561	.70087	.01074	.19174	2.6584	.44452	2.5835	27.538

#1	.00356	.00709	.32293	3.4611	3.6645	.02253	79.409	.00717	.00088
#2	.00347	.00689	.31974	3.4616	3.6545	.02339	78.911	.00691	.00131

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.6704	.00678	.00375	F 91.69	-0.00035	-0.00041	4.2557	-0.00015	1.7034
Stddev	.0511	.00022	.00303	.24	.00146	.00305	.0173	.00002	.0064
%RSD	.52882	3.2071	80.801	.2603	416.96	744.07	.40568	13.108	.37513

#1	9.6342	.00663	.00161	91.53	-.00138	.00174	4.2435	-.00016	1.6989
#2	9.7066	.00693	.00590	91.86	.00068	-.00256	4.2679	-.00013	1.7079

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00213	.00043	.00066	.03811
Stddev	.00010	.00277	.00059	.00022
%RSD	4.5331	646.65	90.675	.57522

#1	.00220	-.00153	.00024	.03827
#2	.00206	.00238	.00108	.03796

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3307.7	4879.2	50035.	10236.
Stddev	2.3	6.1	111.	6.
%RSD	.06963	.12465	.22204	.05691

#1	3306.1	4874.9	49956.	10232.
#2	3309.3	4883.5	50114.	10240.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0052	.01216	-0.00138	.02437	.01014	-0.00002	27.207	.00017	-0.00006
Stddev	.00064	.00921	.00034	.00030	.00008	.00004	.085	.00003	.00010
%RSD	123.09	75.728	24.376	1.2217	.76386	202.02	.31087	15.855	175.03

#1	-0.00098	.01867	-0.00162	.02416	.01009	.00001	27.267	.00015	.00001
#2	-0.00007	.00565	-0.00114	.02458	.01020	-0.00004	27.147	.00019	-0.00013

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	.00103	.06549	.96488	.58711	.00477	15.602	.00153	.00022
Stddev	.00067	.00000	.00158	.00402	.00208	.00005	.022	.00002	.00002
%RSD	181.16	.04931	2.4082	.41615	.35374	1.0822	.14419	1.0814	8.1231

#1	.00084	.00103	.06660	.96772	.58858	.00481	15.618	.00154	.00023
#2	-0.00010	.00103	.06437	.96204	.58565	.00474	15.587	.00152	.00021

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.0509	.00049	.00050	F 17.71	.00099	-0.00467	.85994	-0.00016	.34242
Stddev	.0110	.00033	.00081	.06	.00187	.00333	.00854	.00026	.00101
%RSD	.53409	66.594	161.27	.3379	190.24	71.444	.99260	168.15	.29508

#1	2.0586	.00073	.00107	17.76	-0.0034	-0.00231	.86598	.00003	.34314
#2	2.0431	.00026	-0.00007	17.67	.00231	-0.00703	.85390	-0.00034	.34171

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00035	-0.00160	-0.00024	.00812
Stddev	.00083	.00179	.00047	.00028
%RSD	238.32	111.55	194.71	3.4332

#1	-0.00024	-0.00034	-0.00058	.00792
#2	.00094	-0.00287	.00009	.00831

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3546.0	5064.0	52512.	10343.
Stddev	30.0	33.2	181.	63.
%RSD	.84568	.65575	.34458	.61256

#1	3567.2	5087.5	52640.	10298.
#2	3524.8	5040.5	52384.	10388.

Sample Name: CCV Acquired: 11/12/2012 19:16:01 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50246	24.895	.50545	.50892	.50012	.49624	25.431	.50485	.49491	.51407	.49851	24.487	25.612
Stddev	.00066	.193	.00427	.00080	.00477	.00166	.154	.00084	.00122	.00091	.00255	.051	.088
%RSD	.13175	.77512	.84517	.15756	.95410	.33416	.60389	.16623	.24724	.17709	.51241	.21028	.34382

#1	.50293	25.032	.50243	.50835	.50350	.49742	25.540	.50426	.49405	.51472	.50032	24.523	25.674
#2	.50200	24.759	.50847	.50949	.49675	.49507	25.323	.50545	.49578	.51343	.49671	24.450	25.549

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.183	.49321	25.182	.51419	.50264	25.144	.49672	.50749	24.17	.50312	.49547	25.289	.49645
Stddev	.178	.00324	.016	.00024	.00174	.094	.00093	.00129	.04	.00180	.00207	.149	.00113
%RSD	.65482	.65629	.06426	.04727	.34560	.37225	.18667	.25347	.1531	.35814	.41821	.58792	.22725

#1	27.057	.49550	25.194	.51401	.50141	25.210	.49607	.50840	24.14	.50184	.49401	25.394	.49725
#2	27.309	.49092	25.171	.51436	.50387	25.078	.49738	.50658	24.20	.50439	.49694	25.184	.49565

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50548	.49881	.51555	.50382	.51845
Stddev	.00341	.00095	.00072	.00214	.00093
%RSD	.67464	.19138	.13992	.42449	.17861

#1	.50789	.49949	.51504	.50533	.51779
#2	.50307	.49814	.51606	.50231	.51910

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3418.8	5070.4	51338.	9895.9
Stddev	8.1	10.8	69.	8.8
%RSD	.23801	.21207	.13521	.08863

#1	3424.5	5078.0	51289.	9902.1
#2	3413.0	5062.8	51387.	9889.7

Sample Name: CCB Acquired: 11/12/2012 19:18:09 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0058	.00779	.00081	.00611	.00004	-0.00006	.00289	.00013	.00011	-0.00020	-0.00016	.00071	.32384
Stddev	.00043	.01638	.00303	.00016	.00001	.00001	.00066	.00011	.00009	.00001	.00001	.00031	.00173
%RSD	75.021	210.23	375.55	2.6699	24.405	19.304	22.791	83.697	82.444	6.5573	5.2357	43.605	.53525

#1	-0.0027	.01937	-.00134	.00623	.00003	-.00005	.00335	.00021	.00018	-.00021	-.00017	.00049	.32506
#2	-.00089	-.00379	.00295	.00599	.00005	-.00007	.00242	.00005	.00005	-.00019	-.00015	.00093	.32261

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00484	.00009	.00278	.00009	.00019	.13367	-0.00011	-0.00004	F .0108	.00018	-0.00394	.01462	.00007
Stddev	.00005	.00033	.00042	.00002	.00003	.00213	.00003	.00095	.0058	.00048	.00001	.00446	.00066
%RSD	1.0268	378.61	15.081	23.665	14.672	1.5918	22.574	2403.3	54.35	265.35	.29517	30.539	898.83

#1	.00480	-.00015	.00307	.00011	.00017	.13517	-.00013	.00063	.0149	.00052	-.00394	.01146	-.00039
#2	.00487	.00032	.00248	.00008	.00021	.13216	-.00009	-.00071	.0066	-.00016	-.00395	.01778	.00054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00004	-0.00016	-0.00017	-0.00008	.00015
Stddev	.00003	.00031	.00079	.00012	.00039
%RSD	66.532	190.32	471.77	149.15	257.50

#1	-.00006	.00006	.00039	-.00016	.00043
#2	-.00002	-.00038	-.00073	.00000	-.00013

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3711.0	5212.1	52970.	10136.
Stddev	10.1	7.0	23.	61.
%RSD	.27199	.13405	.04389	.60206

#1	3703.9	5207.1	52986.	10093.
#2	3718.1	5217.0	52953.	10179.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05315	10.508	.21693	.30048	.25982	.20701	142.11	.21122	.20783
Stddev	.00046	.007	.00038	.00158	.00016	.00013	.13	.00098	.00031
%RSD	.86555	.06990	.17502	.52513	.06012	.06458	.08822	.46447	.14920

#1	.05347	10.513	.21667	.29937	.25993	.20692	142.20	.21053	.20761
#2	.05282	10.503	.21720	.30160	.25971	.20710	142.02	.21192	.20805

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20790	.21395	10.393	13.759	16.572	.23059	87.001	.21315	.21133
Stddev	.00022	.00112	.009	.076	.065	.00135	.011	.00092	.00122
%RSD	.10783	.52517	.08492	.55060	.39379	.58536	.01237	.43269	.57819

#1	.20806	.21474	10.400	13.812	16.526	.23154	86.994	.21380	.21047
#2	.20774	.21316	10.387	13.705	16.618	.22963	87.009	.21250	.21220

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.807	.21082	.21312	F 89.53	.21036	.21050	15.250	.19799	1.8694
Stddev	.030	.00008	.00270	.41	.00198	.00298	.040	.00023	.0011
%RSD	.15307	.03906	1.2664	.4557	.94187	1.4159	.25951	.11503	.06112

#1	19.828	.21076	.21503	89.24	.20896	.21261	15.278	.19815	1.8686
#2	19.785	.21088	.21121	89.82	.21176	.20840	15.222	.19783	1.8702

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.20679	.20512	.20716	.25615
Stddev	.00070	.00418	.00162	.00112
%RSD	.34071	2.0371	.78161	.43678

#1	.20729	.20216	.20831	.25694
#2	.20629	.20807	.20602	.25536

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3251.3	4893.2	49512.	10081.
Stddev	13.9	25.5	77.	38.
%RSD	.42607	.52048	.15495	.38065

#1	3261.1	4911.2	49457.	10053.
#2	3241.5	4875.2	49566.	10108.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05180	10.271	2.1479	29733	25612	20394	146.50	20994	20570
Stddev	.00048	.076	.00189	.00211	.00041	.00155	.48	.00014	.00048
%RSD	.92437	.73748	.87926	.71080	.16175	.76237	.32467	.06750	.23379

#1	.05214	10.218	.21612	.29882	.25641	.20284	146.16	.20984	.20604
#2	.05146	10.325	.21345	.29583	.25583	.20504	146.83	.21004	.20536

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21289	21026	10.297	13.648	16.605	22502	91.220	20906	20759
Stddev	.00002	.00093	.081	.034	.211	.00053	.011	.00091	.00031
%RSD	.01130	.44266	.78240	.24902	1.2723	.23372	.01156	.43492	.14917

#1	.21288	.21092	10.240	13.624	16.455	.22465	91.228	.20970	.20781
#2	.21291	.20961	10.354	13.672	16.754	.22540	91.213	.20841	.20737

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.936	20830	20968	F 92.26	20682	20530	14.878	20147	1.9184
Stddev	.122	.00056	.00191	.09	.00036	.00132	.010	.00051	.0076
%RSD	.61304	.26867	.90874	.0932	.17545	.64059	.06962	.25214	.39529

#1	19.850	.20791	.20833	92.20	.20707	.20623	14.871	.20183	1.9131
#2	20.023	.20870	.21103	92.32	.20656	.20437	14.885	.20111	1.9238

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	19785	20522	20396	26008
Stddev	.00245	.00069	.00047	.00059
%RSD	1.2372	.33402	.23236	.22565

#1	.19958	.20473	.20362	.26049
#2	.19612	.20570	.20429	.25966

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3213.2	4845.3	48846.	9921.2
Stddev	.3	4.7	523.	47.4
%RSD	.00887	.09727	1.0705	.47827

#1	3213.4	4848.6	48477.	9954.8
#2	3213.0	4842.0	49216.	9887.7

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05348	10.285	.21569	.29657	.25983	.20321	145.00	.21043	.20672
Stddev	.00004	.011	.00308	.00210	.00086	.00062	.29	.00104	.00057
%RSD	.07993	.10947	1.4278	.70754	.32961	.30586	.19699	.49398	.27764

#1	.05345	10.277	.21787	.29806	.25923	.20277	144.80	.21117	.20713
#2	.05351	10.292	.21352	.29509	.26044	.20365	145.21	.20970	.20632

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21291	.21397	10.292	13.588	16.519	.22510	90.466	.20783	.20938
Stddev	.00127	.00066	.040	.049	.098	.00042	.300	.00031	.00155
%RSD	.59458	.31068	.38381	.36340	.59045	.18669	.33156	.14997	.73893

#1	.21202	.21350	10.264	13.553	16.450	.22540	90.253	.20761	.21048
#2	.21381	.21444	10.320	13.623	16.588	.22481	90.678	.20805	.20829

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.865	.20865	.21003	F 92.76	.21197	.20646	14.805	.20332	1.9105
Stddev	.020	.00234	.00310	.54	.00051	.00122	.046	.00125	.0080
%RSD	.09893	1.1213	1.4760	.5857	.23840	.58872	.30760	.61250	.41822

#1	19.851	.21030	.21223	93.14	.21232	.20560	14.773	.20420	1.9049
#2	19.879	.20699	.20784	92.38	.21161	.20732	14.838	.20244	1.9162

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19829	.20357	.20559	.25692
Stddev	.00049	.00090	.00114	.00113
%RSD	.24490	.44003	.55557	.44071

#1	.19795	.20420	.20478	.25772
#2	.19864	.20293	.20640	.25612

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3214.1	4842.3	49517.	10074.
Stddev	12.2	15.3	40.	38.
%RSD	.38028	.31672	.08139	.37550

#1	3205.5	4831.4	49489.	10047.
#2	3222.7	4853.1	49546.	10101.

Sample Name: 480-28155-A-3-A Acquired: 11/12/2012 19:26:49 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0112	.39891	.00046	2.2209	.06147	-0.0003	136.70	.00047	-0.0003
Stddev	.00067	.01526	.00027	.0065	.00015	.00001	2.24	.00013	.00004
%RSD	59.507	3.8267	59.123	.29392	.23772	32.741	1.6393	27.284	127.09

#1	-.00159	.40970	.00027	2.2255	.06137	-.00002	138.29	.00056	-.00006
#2	-.00065	.38812	.00065	2.2163	.06157	-.00003	135.12	.00038	.00000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00214	.00251	1.4360	23.636	27.287	.03353	43.574	.00444	.00158
Stddev	.00012	.00004	.0155	.293	.046	.00002	.007	.00001	.00003
%RSD	5.3699	1.5205	1.0778	1.2415	.16859	.05063	.01551	.19010	1.9038

#1	.00206	.00254	1.4469	23.844	27.320	.03352	43.569	.00444	.00160
#2	.00223	.00248	1.4250	23.429	27.255	.03354	43.579	.00445	.00156

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	37.343	.00164	.00058	F 75.76	-0.00188	-0.00277	5.8099	-0.00059	1.0243
Stddev	.335	.00044	.00070	.04	.00233	.00601	.1025	.00032	.0101
%RSD	.89760	26.919	121.67	.0546	123.84	216.85	1.7647	54.287	.98701

#1	37.580	.00133	.00008	75.79	-.00353	-.00702	5.8824	-.00081	1.0314
#2	37.106	.00195	.00108	75.73	-.00023	.00148	5.7374	-.00036	1.0171

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00464	-.00276	-.00004	.06278
Stddev	.00045	.00131	.00004	.00110
%RSD	9.7600	47.684	92.503	1.7547

#1	.00432	-.00183	-.00001	.06201
#2	.00496	-.00368	-.00007	.06356

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3312.8	4891.5	49950.	9996.7
Stddev	12.9	19.8	84.	148.6
%RSD	.38951	.40447	.16914	1.4867

#1	3303.7	4877.6	49890.	9891.6
#2	3321.9	4905.5	50010.	10102.

Sample Name: 480-28155-A-4-A Acquired: 11/12/2012 19:29:00 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0156	.18449	.00226	.57774	.04264	.00122	148.42	.00053	.00009
Stddev	.00008	.09394	.00076	.00131	.00013	.00198	1.29	.00014	.00011
%RSD	5.0488	50.920	33.867	.22689	.29814	162.50	.87186	26.617	113.04

#1	-.00162	.25092	.00280	.57866	.04255	.00261	147.51	.00043	.00017
#2	-.00150	.11806	.00172	.57681	.04273	-.00018	149.34	.00063	.00002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00350	.00466	.36609	2.2553	2.3783	.00979	57.942	.00228	.00206
Stddev	.00013	.00017	.09020	.2372	.0384	.00257	.112	.00009	.00016
%RSD	3.6852	3.6144	24.640	10.517	1.6157	26.299	.19295	4.0469	7.9917

#1	.00359	.00454	.42988	2.4230	2.3511	.01161	57.863	.00234	.00217
#2	.00341	.00478	.30231	2.0876	2.4055	.00797	58.021	.00221	.00194

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.466	.00367	.00168	F 45.92	.00041	.00187	7.9048	-.00064	.82840
Stddev	.068	.00011	.00029	.19	.00042	.00098	.0552	.00004	.00558
%RSD	.33405	2.9734	17.435	.4146	103.72	52.413	.69870	5.8329	.67343

#1	20.514	.00375	.00188	46.05	.00071	.00256	7.8658	-.00061	.83235
#2	20.418	.00359	.00147	45.78	.00011	.00118	7.9439	-.00067	.82446

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00363	-.00179	.00112	.01471
Stddev	.00010	.00274	.00065	.00062
%RSD	2.7235	153.47	57.933	4.2191

#1	.00356	-.00373	.00158	.01427
#2	.00370	.00015	.00066	.01515

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3292.5	4871.1	49929.	10160.
Stddev	2.2	7.9	74.	34.
%RSD	.06663	.16251	.14892	.33306

#1	3291.0	4865.5	49982.	10184.
#2	3294.1	4876.7	49876.	10136.

Sample Name: 480-28156-A-1-A Acquired: 11/12/2012 19:31:05 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0213	89.778	.07320	.06305	.88629	.00445	177.84	F -0.00336	.08582
Stddev	.00089	.928	.00033	.00091	.01301	.00004	2.05	.00016	.00071
%RSD	41.685	1.0335	.45323	1.4481	1.4676	1.0098	1.1513	4.7087	.82373

#1	-.00150	89.122	.07296	.06369	.87709	.00442	176.40	-.00325	.08532
#2	-.00275	90.434	.07343	.06240	.89548	.00449	179.29	-.00347	.08632

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								15.000	
Low Limit								-.00100	

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11661	.10763	176.02	18.106	21.982	.20353	70.824	4.2138	.00181
Stddev	.00035	.00011	.68	.101	.128	.00069	.078	.0029	.00028
%RSD	.30015	.10181	.38643	.55586	.58276	.33821	.11006	.06991	15.396

#1	.11636	.10755	175.54	18.035	22.072	.20402	70.879	4.2159	.00162
#2	.11685	.10770	176.50	18.177	21.891	.20305	70.769	4.2117	.00201

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.8411	.18185	.07225	F 22.79	-0.00250	.00338	57.304	.00430	.39286
Stddev	.0105	.00118	.00040	.02	.00293	.00420	.617	.00057	.00232
%RSD	.15397	.65128	.55906	.1021	117.39	124.39	1.0764	13.147	.59007

#1	6.8336	.18101	.07253	22.77	-.00457	.00041	56.867	.00470	.39122
#2	6.8485	.18269	.07196	22.80	-.00042	.00635	57.740	.00390	.39450

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.60015	.00005	.13105	.40331
Stddev	.00005	.00138	.00209	.00158
%RSD	.00796	2924.3	1.5923	.39083

#1	.60011	-.00093	.13252	.40442
#2	.60018	.00103	.12957	.40219

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3130.1	5048.5	51059.	10368.
Stddev	9.4	17.2	140.	58.
%RSD	.30013	.34160	.27345	.56383

#1	3136.7	5060.7	50960.	10410.
#2	3123.4	5036.3	51158.	10327.

Sample Name: 480-28156-A-2-A Acquired: 11/12/2012 19:33:17 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0179	34.983	.04516	.03643	.50961	.00182	200.68	F -.00128	.03191
Stddev	.00009	.144	.00082	.00013	.00250	.00010	.90	.00023	.00013
%RSD	4.7838	.41157	1.8171	.36340	.48981	5.2734	.45039	18.189	.40609

#1	-.00185	35.085	.04574	.03652	.51138	.00175	201.32	-.00111	.03201
#2	-.00172	34.881	.04458	.03634	.50785	.00189	200.04	-.00144	.03182

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								15.000	
Low Limit								-.00100	

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04370	.06644	69.268	8.9766	11.036	.07197	52.535	3.0297	.00155
Stddev	.00038	.00082	.365	.0318	.116	.00027	.480	.0223	.00006
%RSD	.86247	1.2405	.52757	.35423	1.0521	.37972	.91428	.73691	3.6065

#1	.04396	.06586	69.526	8.9991	10.954	.07178	52.195	3.0139	.00159
#2	.04343	.06703	69.009	8.9542	11.118	.07216	52.874	3.0455	.00151

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.8941	.06471	.05240	F 12.15	-.00177	-.00477	46.039	.00111	.37712
Stddev	.0137	.00032	.00236	.00	.00007	.00808	.113	.00000	.00100
%RSD	.19841	.49005	4.5009	.0245	4.1170	169.34	.24509	.24851	.26535

#1	6.9038	.06494	.05406	12.14	-.00182	-.01048	46.119	.00110	.37783
#2	6.8844	.06449	.05073	12.15	-.00171	.00094	45.960	.00111	.37641

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.31001	.00029	.05532	.21516
Stddev	.00155	.00031	.00024	.00109
%RSD	.50021	109.47	.42748	.50715

#1	.30892	.00007	.05549	.21439
#2	.31111	.00051	.05515	.21594

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3215.8	5023.5	50290.	10367.
Stddev	6.1	13.1	213.	61.
%RSD	.19032	.26059	.42296	.58452

#1	3220.1	5032.8	50440.	10324.
#2	3211.5	5014.3	50139.	10410.

Sample Name: 480-28156-A-3-A Acquired: 11/12/2012 19:35:32 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0079	.05302	.00324	.01299	.23781	-0.0007	67.918	.00026	-0.0016
Stddev	.00023	.02271	.00012	.00017	.00100	.00005	.076	.00014	.00014
%RSD	29.385	42.827	3.8077	1.3293	.41883	68.854	.11140	52.458	89.850

#1	-.00063	.06908	.00333	.01311	.23710	-.00010	67.971	.00036	-.00006
#2	-.00096	.03696	.00315	.01287	.23851	-.00004	67.864	.00016	-.00026

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00114	.00064	.22019	1.2263	1.1440	.00391	15.573	.28616	.00102
Stddev	.00115	.00011	.00159	.0096	.0030	.00063	.034	.00070	.00005
%RSD	101.03	17.089	.72180	.78047	.26072	16.081	.21574	.24309	4.7192

#1	.00033	.00057	.21906	1.2330	1.1462	.00435	15.550	.28566	.00105
#2	.00196	.00072	.22131	1.2195	1.1419	.00346	15.597	.28665	.00098

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.5892	-0.0034	.00192	8.796	-0.00109	-0.00165	5.6003	-0.00060	.13033
Stddev	.0075	.00017	.00050	.044	.00252	.00173	.0045	.00026	.00017
%RSD	.16367	52.071	26.072	.4990	230.89	104.74	.08083	42.618	.12985

#1	4.5945	-.00021	.00228	8.765	-.00288	-.00043	5.5971	-.00079	.13045
#2	4.5839	-.00046	.00157	8.827	.00069	-.00287	5.6035	-.00042	.13021

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00104	.00133	.00026	.00339
Stddev	.00074	.00126	.00011	.00005
%RSD	71.418	94.559	43.840	1.5360

#1	.00051	.00044	.00034	.00343
#2	.00157	.00222	.00018	.00336

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3443.5	4974.1	50302.	9856.3
Stddev	3.9	8.9	332.	18.4
%RSD	.11393	.17824	.65970	.18663

#1	3446.3	4980.3	50537.	9869.3
#2	3440.7	4967.8	50067.	9843.3

Sample Name: 480-28156-A-5-A Acquired: 11/12/2012 19:37:39 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0093	14.160	.08895	.06036	.43342	.00072	81.574	-0.0037	.01263
Stddev	.00040	.238	.00031	.00003	.00029	.00005	1.023	.00018	.00013
%RSD	42.792	1.6779	.34818	.04436	.06806	6.3309	1.2539	49.738	1.0405

#1	-.00065	14.328	.08917	.06034	.43321	.00075	82.297	-.00050	.01272
#2	-.00122	13.992	.08873	.06038	.43363	.00069	80.851	-.00024	.01254

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01898	.01598	29.280	5.5043	6.4603	.03089	24.446	1.0536	.00286
Stddev	.00062	.00033	.428	.0775	.0380	.00022	.061	.0024	.00007
%RSD	3.2458	2.0864	1.4632	1.4077	.58769	.72472	.24789	.22825	2.3855

#1	.01855	.01574	29.583	5.5591	6.4871	.03105	24.489	1.0553	.00281
#2	.01942	.01621	28.977	5.4495	6.4334	.03074	24.404	1.0519	.00291

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.901	.02522	.01678	4.219	-0.0053	-0.0144	25.006	.00079	.36437
Stddev	.277	.00001	.00071	.018	.00236	.00182	.362	.00028	.00574
%RSD	1.4676	.05166	4.2199	.4199	444.52	126.62	1.4473	35.511	1.5740

#1	19.097	.02521	.01728	4.232	.00114	-.00272	25.262	.00059	.36843
#2	18.705	.02523	.01628	4.207	-.00220	-.00015	24.750	.00099	.36032

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.14096	-0.00081	.02184	.06693
Stddev	.00024	.00039	.00045	.00017
%RSD	.16800	48.381	2.0499	.25009

#1	.14112	-.00053	.02152	.06681
#2	.14079	-.00108	.02216	.06705

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3358.7	5021.5	50400.	10009.
Stddev	4.6	6.4	41.	46.
%RSD	.13668	.12766	.08168	.45757

#1	3361.9	5026.0	50429.	9976.8
#2	3355.4	5017.0	50371.	10042.

Sample Name: 480-28156-A-6-A Acquired: 11/12/2012 19:39:43 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00316	231.12	.26173	.13019	2.2234	.00972	734.82	F -.00843	.26459
Stddev	.00094	.60	.00348	.00130	.0081	.00011	3.44	.00001	.00332
%RSD	29.801	.25990	1.3279	.99977	.36654	1.1462	.46872	.13681	1.2564

#1	-.00249	231.54	.25928	.12927	2.2292	.00980	737.26	-.00843	.26224
#2	-.00382	230.69	.26419	.13111	2.2177	.00964	732.39	-.00844	.26694

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	2.0000							15.000	
Low Limit	-.00300							-.00100	

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.31147	.31719	495.11	32.063	43.499	.58478	175.16	12.778	.00437
Stddev	.00151	.00008	.31	.070	.121	.00208	.97	.058	.00097
%RSD	.48555	.02645	.06280	.21889	.27913	.35486	.55203	.45000	22.095

#1	.31253	.31713	495.33	32.113	43.413	.58625	175.84	12.819	.00369
#2	.31040	.31725	494.89	32.014	43.584	.58332	174.47	12.737	.00505

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.202	.56679	.20063	F 68.11	-.00670	.00400	67.072	.01085	1.4403
Stddev	.008	.00601	.00168	.49	.00195	.00597	1.046	.00037	.0021
%RSD	.05249	1.0598	.83609	.7242	29.096	149.01	1.5599	3.4450	.14622

#1	15.196	.56255	.19944	67.76	-.00807	-.00021	67.811	.01059	1.4417
#2	15.208	.57104	.20181	68.46	-.00532	.00822	66.332	.01112	1.4388

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	1.3265	.00584	.32949	1.0947
Stddev	.0024	.00053	.00208	.0105
%RSD	.17966	9.0927	.63250	.96134

#1	1.3282	.00546	.33096	1.1021
#2	1.3248	.00621	.32801	1.0872

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2672.2	4978.0	49458.	10571.
Stddev	11.1	7.4	294.	7.
%RSD	.41396	.14842	.59364	.06434

#1	2680.0	4983.2	49250.	10576.
#2	2664.4	4972.8	49665.	10566.

Sample Name: CCV Acquired: 11/12/2012 19:42:13 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50607	25.083	.51098	.50878	.51035	.49802	25.691	.50934	.49898	.51540	.49941	24.517	25.653
Stddev	.00130	.002	.00055	.00009	.00050	.00107	.080	.00023	.00037	.00037	.00162	.052	.104
%RSD	.25682	.00954	.10802	.01807	.09722	.21532	.30979	.04514	.07451	.07274	.32464	.21390	.40596

#1	.50699	25.084	.51059	.50885	.51000	.49727	25.634	.50951	.49871	.51513	.50056	24.480	25.579
#2	.50516	25.081	.51137	.50872	.51070	.49878	25.747	.50918	.49924	.51566	.49826	24.554	25.727

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.434	.49916	25.054	.51093	.50590	25.504	.49969	.50777	24.17	.50110	.49984	25.702	.49601
Stddev	.284	.00108	.050	.00169	.00027	.051	.00195	.00105	.08	.00294	.00341	.015	.00174
%RSD	1.0737	.21553	.20013	.33048	.05329	.19862	.38926	.20635	.3258	.58717	.68182	.05961	.35133

#1	26.233	.49992	25.019	.50974	.50571	25.468	.49832	.50851	24.12	.49901	.49743	25.713	.49477
#2	26.635	.49840	25.090	.51213	.50609	25.540	.50107	.50703	24.23	.50318	.50225	25.691	.49724

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51316	.49667	.51347	.51094	.52520
Stddev	.00010	.00221	.00152	.00012	.00032
%RSD	.01884	.44493	.29633	.02426	.06150

#1	.51323	.49510	.51239	.51103	.52497
#2	.51309	.49823	.51454	.51085	.52543

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3403.6	5050.4	50991.	10032.
Stddev	2.8	2.9	150.	43.
%RSD	.08363	.05784	.29430	.42644

#1	3405.6	5048.3	51097.	10063.
#2	3401.6	5052.5	50884.	10002.

Sample Name: CCB Acquired: 11/12/2012 19:44:21 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0042	.01448	-0.00050	.00259	.00038	-0.00002	.01103	.00010	-0.00001	.00028	.00069	.00575	.11905
Stddev	.00022	.01906	.00101	.00009	.00049	.00001	.00231	.00002	.00006	.00062	.00077	.00277	.00415
%RSD	52.511	131.61	203.42	3.3508	127.89	46.599	20.913	20.495	406.27	219.24	111.24	48.186	3.4868

#1	-0.0058	.00100	.00022	.00265	.00073	-0.00001	.01266	.00009	-0.00006	.00072	.00123	.00771	.12199
#2	-0.00027	.02797	-.00121	.00252	.00004	-0.00003	.00940	.00011	.00003	-.00016	.00015	.00379	.11612

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01671	.00043	.02437	.00075	.00013	.00999	.00008	.00120	F .0082	-.00096	-.00328	.02129	-.00029
Stddev	.01745	.00001	.02753	.00115	.00019	.00198	.00010	.00035	.0032	.00109	.00458	.00688	.00053
%RSD	104.39	3.0491	112.97	152.78	145.04	19.859	117.39	28.963	39.23	113.88	139.73	32.312	186.06

#1	.02905	.00044	.04384	.00157	.00000	.00859	.00015	.00144	.0059	-.00173	-.00004	.02616	-.00066
#2	.00438	.00042	.00490	-.00006	.00027	.01139	.00001	.00095	.0105	-.00019	-.00652	.01643	.00009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00001	-0.00003	-0.00249	-0.00012	.00053
Stddev	.00010	.00051	.00047	.00060	.00031
%RSD	1007.7	1911.6	18.871	497.51	58.367

#1	.00006	.00034	-.00282	.00031	.00075
#2	-.00008	-.00039	-.00216	-.00055	.00031

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3697.5	5182.7	53076.	10037.
Stddev	3.5	5.3	69.	89.
%RSD	.09428	.10321	.12953	.89129

#1	3699.9	5186.5	53125.	9974.1
#2	3695.0	5178.9	53028.	10101.

Sample Name: 480-28156-A-7-A Acquired: 11/12/2012 19:46:32 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0078	.03171	.00051	.00358	.00028	.00002	.09512	.00004	.00001
Stddev	.00042	.01605	.00092	.00012	.00001	.00002	.00121	.00010	.00011
%RSD	53.553	50.605	179.97	3.3243	3.6349	115.43	1.2697	231.68	1287.8

#1	-.00107	.02036	.00117	.00366	.00029	.00000	.09427	-.00003	.00009
#2	-.00048	.04306	-.00014	.00349	.00028	.00003	.09598	.00011	-.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0010	.00042	.01258	.14137	.01312	.00013	.02071	.00618	.00021
Stddev	.00059	.00016	.00061	.01684	.00038	.00144	.00472	.00008	.00006
%RSD	616.47	38.847	4.8217	11.910	2.8860	1147.5	22.778	1.3292	28.501

#1	-.00052	.00054	.01300	.15328	.01339	-.00089	.02404	.00612	.00026
#2	.00032	.00030	.01215	.12947	.01285	.00114	.01737	.00624	.00017

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03255	-0.00058	-0.00054	.0196	-0.00185	-0.00276	.03233	-0.00018	.00035
Stddev	.00086	.00012	.00032	.0017	.00087	.00253	.00140	.00008	.00002
%RSD	2.6485	20.485	59.291	8.765	46.887	91.744	4.3306	45.411	6.1867

#1	.03316	-.00066	-.00032	.0208	-.00124	-.00097	.03134	-.00024	.00034
#2	.03194	-.00050	-.00077	.0184	-.00246	-.00455	.03332	-.00012	.00037

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.00194	-0.00028	.00288
Stddev	.00021	.00019	.00003	.00010
%RSD	1323.7	9.6727	11.052	3.5343

#1	-.00016	-.00181	-.00030	.00281
#2	.00013	-.00207	-.00026	.00295

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3682.0	5171.4	53154.	10343.
Stddev	2.5	1.9	10.	39.
%RSD	.06899	.03767	.01846	.37656

#1	3683.8	5172.8	53147.	10316.
#2	3680.2	5170.0	53161.	10371.

Sample Name: 480-28167-A-1-A Acquired: 11/12/2012 19:48:42 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0067	.01682	.00107	.00797	.00009	.00000	.04617	.00015	.00000
Stddev	.00026	.00638	.00071	.00014	.00002	.00002	.00324	.00009	.0002
%RSD	38.948	37.963	66.350	1.7682	24.786	492.34	7.0142	61.678	8661.2

#1	-.00049	.01230	.00057	.00807	.00008	-.00001	.04846	.00022	-.00014
#2	-.00085	.02133	.00158	.00787	.00011	.00002	.04388	.00008	.00014

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00003	.00270	.08567	.00354	.00003	.00232	.00041	.00003
Stddev	.00069	.00076	.00351	.01974	.00035	.00099	.00172	.00004	.00009
%RSD	1240.6	2438.7	129.77	23.046	9.8813	2933.9	74.035	10.402	325.13

#1	.00054	.00057	.00519	.07171	.00379	.00074	.00353	.00038	-.00004
#2	-.00043	-.00051	.00022	.09963	.00329	-.00067	.00110	.00044	.00009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01778	-.00041	.00156	.0081	-.00067	-.00557	.01859	.00037	.00008
Stddev	.00610	.00011	.00115	.0005	.00063	.00372	.01529	.00026	.00002
%RSD	34.331	27.656	73.736	6.797	93.309	66.755	82.247	69.288	22.919

#1	.02209	-.00033	.00074	.0077	-.00023	-.00820	.00778	.00019	.00007
#2	.01346	-.00049	.00237	.0085	-.00112	-.00294	.02940	.00055	.00009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	-.00044	-.00148	-.00033	.00158
Stddev	.00010	.00118	.00026	.00018
%RSD	23.510	80.180	76.972	11.206

#1	-.00051	-.00232	-.00052	.00170
#2	-.00037	-.00064	-.00015	.00145

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3676.5	5155.6	52713.	10306.
Stddev	25.8	30.8	294.	213.
%RSD	.70249	.59724	.55853	2.0646

#1	3658.3	5133.8	52921.	10156.
#2	3694.8	5177.3	52505.	10457.

Sample Name: 480-28167-A-2-A Acquired: 11/12/2012 19:50:49 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0101	2.0863	.01063	.03358	.30717	.00017	34.387	F -.00232	.00120
Stddev	.00102	.0123	.00170	.00003	.00004	.00017	.293	.00020	.00020
%RSD	101.37	.58837	16.025	.09049	.01269	96.410	.85187	8.4078	16.921

#1	-.00028	2.0950	.00943	.03360	.30714	.00029	34.594	-.00246	.00134
#2	-.00173	2.0776	.01184	.03356	.30720	.00005	34.180	-.00218	.00105

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								15.000	
Low Limit								-.00100	

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00275	.00208	129.32	7.2342	7.8568	.00166	8.3461	5.3119	-.00071
Stddev	.00071	.00029	.30	.0220	.0267	.00008	.0276	.0207	.00003
%RSD	25.787	13.999	.23208	.30454	.33942	5.1177	.33037	.38922	4.0154

#1	.00225	.00187	129.54	7.2498	7.8757	.00160	8.3266	5.2973	-.00073
#2	.00325	.00228	129.11	7.2187	7.8379	.00172	8.3656	5.3265	-.00069

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.538	.00065	.00334	.2114	-.00260	-.00056	8.9556	.00132	.61787
Stddev	.074	.00006	.00063	.0006	.00113	.00587	.0670	.00028	.00358
%RSD	.69866	9.5466	18.905	.2831	43.638	1054.0	.74782	20.960	.57898

#1	10.590	.00069	.00379	.2110	-.00340	.00359	9.0029	.00112	.62040
#2	10.486	.00060	.00289	.2118	-.00180	-.00471	8.9082	.00151	.61534

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.03623	.00310	.00572	.00475
Stddev	.00055	.00113	.00057	.00043
%RSD	1.5255	36.480	10.031	8.9600

#1	.03584	.00390	.00613	.00445
#2	.03662	.00230	.00532	.00505

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3454.1	5079.1	51088.	10247.
Stddev	11.0	21.8	72.	46.
%RSD	.31945	.42866	.14059	.45359

#1	3446.3	5063.7	51139.	10215.
#2	3461.9	5094.5	51037.	10280.

Sample Name: 480-28167-A-3-A Acquired: 11/12/2012 19:52:51 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0077	.38633	-0.0009	.07683	.09540	.00018	28.823	-0.0002	-0.0009
Stddev	.00014	.01637	.00077	.00032	.00051	.00000	.097	.00012	.00014
%RSD	18.598	4.2368	871.73	.41243	.53309	1.1877	.33536	514.71	160.10

#1	-.00067	.39790	-.00063	.07661	.09505	.00018	28.891	.00006	-.00019
#2	-.00087	.37475	.00045	.07705	.09576	.00018	28.754	-.00011	.00001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00111	.00058	.26988	1.9352	2.0030	.00260	3.7066	.00803	.00066
Stddev	.00053	.00009	.00082	.0076	.0018	.00019	.0171	.00001	.00014
%RSD	47.726	14.613	.30561	.39136	.08875	7.1305	.46115	.09982	21.914

#1	.00149	.00052	.27047	1.9406	2.0018	.00247	3.7187	.00803	.00076
#2	.00074	.00064	.26930	1.9299	2.0043	.00273	3.6945	.00804	.00056

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.975	.00043	.00150	F 13.15	-0.0048	-0.00033	17.952	-0.0026	.65048
Stddev	.028	.00031	.00010	.01	.00055	.00099	.047	.00003	.00076
%RSD	.15518	71.306	6.9766	.0469	113.39	297.68	.26253	12.192	.11609

#1	17.995	.00065	.00143	13.15	-.00087	-.00104	17.985	-.00028	.65101
#2	17.955	.00021	.00157	13.16	-.00010	.00037	17.919	-.00023	.64995

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.01416	-0.00013	.00120	.00201
Stddev	.00075	.00046	.00021	.00082
%RSD	5.2972	365.38	17.766	40.783

#1	.01363	.00020	.00136	.00143
#2	.01469	-.00045	.00105	.00260

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3574.3	5090.8	51051.	10049.
Stddev	13.4	11.3	82.	35.
%RSD	.37356	.22158	.16094	.34674

#1	3564.9	5082.8	51109.	10074.
#2	3583.7	5098.7	50993.	10025.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0111	.03518	.00049	.12937	.08302	.00007	39.685	-0.0027	.00333
Stddev	.00020	.01437	.00050	.00007	.00009	.00003	.154	.00000	.00001
%RSD	17.586	40.836	101.77	.05342	.11443	44.536	.38723	.72636	.43794

#1	-.00097	.04534	.00084	.12942	.08309	.00010	39.794	-.00027	.00332
#2	-.00125	.02502	.00014	.12932	.08295	.00005	39.576	-.00027	.00334

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00090	.00065	5.1979	1.1374	1.1486	.00129	11.129	.85144	.00031
Stddev	.00032	.00033	.0175	.0085	.0032	.00016	.007	.00099	.00010
%RSD	35.981	50.657	.33719	.75039	.28148	12.166	.06685	.11599	31.221

#1	.00067	.00042	5.2103	1.1434	1.1509	.00118	11.124	.85074	.00038
#2	.00113	.00088	5.1855	1.1313	1.1463	.00140	11.135	.85213	.00024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.236	.00174	.00132	F 10.74	-0.00066	-0.00163	16.063	-0.00075	.34175
Stddev	.097	.00046	.00080	.02	.00381	.00294	.151	.00063	.00257
%RSD	.68404	26.632	60.603	.1976	577.80	180.15	.94006	84.039	.75281

#1	14.305	.00207	.00189	10.72	-.00335	.00045	16.169	-.00030	.34357
#2	14.167	.00141	.00075	10.75	.00203	-.00371	15.956	-.00119	.33993

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00072	-.00281	.00053	.00436
Stddev	.00012	.00019	.00004	.00007
%RSD	16.113	6.8995	7.6409	1.6161

#1	.00080	-.00268	.00050	.00431
#2	.00063	-.00295	.00056	.00441

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3531.9	5066.6	51356.6	10248.6
Stddev	.0	4.8	58.6	6.6
%RSD	.00134	.09503	.11201	.06136

#1	3531.9	5070.0	51315.6	10243.6
#2	3531.9	5063.2	51396.6	10252.6

Sample Name: 480-28167-A-5-A Acquired: 11/12/2012 19:57:07 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0087	.14345	.00016	.15772	.10171	.00010	62.680	.00003	-0.00005
Stddev	.00040	.00573	.00187	.00014	.00020	.00006	.260	.00022	.00014
%RSD	45.724	3.9963	1184.1	.09033	.19979	57.602	.41549	682.60	294.15

#1	-.00059	.13939	-.00117	.15782	.10157	.00014	62.865	.00019	-.00015
#2	-.00115	.14750	.00148	.15762	.10186	.00006	62.496	-.00012	.00005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00166	.00125	.34177	1.9010	2.1090	.00140	7.3406	.00814	.00058
Stddev	.00043	.00018	.30437	.0120	.0129	.00106	.0004	.00753	.00002
%RSD	25.750	14.501	89.055	.62959	.61176	75.670	.00584	92.500	2.7830

#1	.00136	.00137	.55699	1.9094	2.0999	.00065	7.3409	.01346	.00059
#2	.00197	.00112	.12655	1.8925	2.1181	.00214	7.3403	.00282	.00057

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.377	.00025	.00256	F 19.36	-0.00159	.00296	11.867	-0.00021	.70313
Stddev	.165	.00052	.00069	.04	.00068	.00148	.176	.00060	.00680
%RSD	.95133	207.74	27.047	.2275	42.584	49.893	1.4834	290.11	.96758

#1	17.494	-.00012	.00305	19.40	-.00111	.00400	11.991	-.00063	.70794
#2	17.260	.00061	.00207	19.33	-.00207	.00191	11.742	.00022	.69832

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00648	-0.00090	.00068	.00436
Stddev	.00021	.00176	.00078	.00060
%RSD	3.2201	196.92	114.88	13.673

#1	.00633	.00035	.00123	.00478
#2	.00663	-.00214	.00013	.00394

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3483.0	5006.5	50863.	10036.
Stddev	10.6	14.4	215.	4.
%RSD	.30396	.28747	.42294	.03870

#1	3490.5	5016.6	50711.	10038.
#2	3475.5	4996.3	51016.	10033.

Sample Name: 480-28167-A-6-A Acquired: 11/12/2012 19:59:14 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0030	.02409	.00202	.00779	.03869	.00005	45.050	-0.0027	.00378
Stddev	.00061	.00234	.00025	.00052	.00001	.00003	.265	.00006	.00009
%RSD	205.86	9.7271	12.542	6.6835	.01670	61.611	.58923	23.926	2.5048

#1	-.00073	.02243	.00220	.00743	.03869	.00007	44.862	-.00022	.00371
#2	.00013	.02575	.00184	.00816	.03869	.00003	45.238	-.00031	.00384

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00055	.00061	3.4412	2.6998	3.3465	.01958	11.222	4.6827	.01117
Stddev	.00000	.00008	.0031	.0019	.0026	.00025	.068	.0279	.00016
%RSD	.55292	12.935	.08954	.06925	.07894	1.2876	.60775	.59536	1.4634

#1	.00055	.00056	3.4390	2.7011	3.3446	.01976	11.270	4.7025	.01105
#2	.00055	.00067	3.4434	2.6985	3.3484	.01940	11.174	4.6630	.01128

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	61.096	.00589	.00127	9.615	-0.00057	.00099	25.791	-0.00057	.43991
Stddev	.151	.00023	.00065	.090	.00228	.00085	.143	.00059	.00025
%RSD	.24693	3.8664	50.976	.9384	397.22	85.565	.55363	103.94	.05751

#1	60.989	.00573	.00173	9.551	-.00218	.00039	25.690	-.00015	.43973
#2	61.203	.00605	.00081	9.679	.00104	.00159	25.892	-.00099	.44009

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00044	.00304	.00301	.00157
Stddev	.00014	.00199	.00001	.00010
%RSD	32.037	65.453	.23289	6.5819

#1	.00054	.00164	.00301	.00164
#2	.00034	.00445	.00300	.00149

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3430.7	5013.8	49686.	9887.8
Stddev	5.1	7.6	19.	80.2
%RSD	.14797	.15227	.03856	.81107

#1	3434.2	5019.2	49699.	9944.5
#2	3427.1	5008.4	49672.	9831.1

Sample Name: 480-28166-B-1-A Acquired: 11/12/2012 20:01:18 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0120	1.2601	.00735	.50775	.38518	-0.0001	66.045	-0.0019	.23962
Stddev	.00017	.0129	.00000	.00126	.00357	.00005	.391	.00002	.00059
%RSD	14.343	1.0210	.04765	.24873	.92562	780.17	.59204	12.199	.24704

#1	-0.0133	1.2692	.00735	.50864	.38770	-0.0004	66.322	-0.0018	.23920
#2	-0.0108	1.2510	.00735	.50686	.38266	.00003	65.769	-0.0021	.24003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02776	.09021	105.22	70.069	76.012	.03538	10.472	1.5059	.00950
Stddev	.00001	.00078	.69	.211	2.201	.00044	.015	.0027	.00020
%RSD	.02802	.86086	.65312	.30163	2.8957	1.2549	.13912	.17627	2.0621

#1	.02776	.09076	105.71	70.219	77.569	.03506	10.482	1.5078	.00937
#2	.02775	.08966	104.73	69.920	74.456	.03569	10.462	1.5041	.00964

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	248.89	.07091	.01571	F 23.11	.00180	.00304	7.2280	.00837	.26039
Stddev	1.38	.00024	.00090	.06	.00044	.00411	.0419	.00033	.00075
%RSD	.55479	.34335	5.7231	.2544	24.551	135.21	.57926	3.9290	.28614

#1	249.86	.07108	.01634	23.07	.00212	.00013	7.2576	.00814	.26092
#2	247.91	.07074	.01507	23.15	.00149	.00595	7.1984	.00860	.25987

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.04193	-.00145	.00507	2.2048
Stddev	.00069	.00051	.00019	.0207
%RSD	1.6393	35.363	3.7190	.93758

#1	.04144	-.00181	.00494	2.2194
#2	.04241	-.00108	.00521	2.1902

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3144.5	4823.1	48371.	10153.
Stddev	8.1	3.6	52.	139.
%RSD	.25658	.07361	.10773	1.3710

#1	3150.2	4825.6	48334.	10054.
#2	3138.8	4820.6	48408.	10251.

Sample Name: 480-28166-B-2-A Acquired: 11/12/2012 20:03:33 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0108	.09880	.00062	.02523	.03801	.00007	15.025	.00011	.00030
Stddev	.00020	.00952	.00060	.00027	.00041	.00002	.037	.00006	.00011
%RSD	18.224	9.6373	97.521	1.0882	1.0746	25.878	.24871	51.700	37.473

#1	-.00122	.09207	.00104	.02503	.03773	.00006	14.999	.00007	.00038
#2	-.00094	.10554	.00019	.02542	.03830	.00009	15.052	.00015	.00022

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00055	.00413	.53729	3.0457	3.0599	.00225	2.3739	.33033	.00053
Stddev	.00016	.00019	.00409	.0023	.0526	.00033	.0019	.00038	.00004
%RSD	28.507	4.5387	.76103	.07489	1.7196	14.506	.07861	.11543	6.7430

#1	.00044	.00426	.54019	3.0441	3.0227	.00202	2.3726	.33006	.00051
#2	.00066	.00400	.53440	3.0473	3.0971	.00249	2.3752	.33060	.00056

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.576	.00129	.00185	4.697	-0.00143	-0.00116	13.613	.00019	.20984
Stddev	.051	.00023	.00052	.024	.00001	.00158	.031	.00009	.00017
%RSD	.27655	17.759	28.195	.5071	.46016	136.26	.22487	47.220	.08264

#1	18.539	.00113	.00222	4.680	-.00142	-.00004	13.592	.00025	.20972
#2	18.612	.00145	.00148	4.714	-.00143	-.00227	13.635	.00013	.20996

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00299	.00026	-.00002	.13219
Stddev	.00017	.00110	.00001	.00091
%RSD	5.6994	428.01	60.428	.68491

#1	.00311	-.00052	-.00001	.13155
#2	.00287	.00103	-.00003	.13283

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3563.5	5050.2	51557.	10130.
Stddev	3.2	3.8	134.	25.
%RSD	.08877	.07461	.26001	.24287

#1	3561.3	5052.8	51651.	10148.
#2	3565.8	5047.5	51462.	10113.

Sample Name: 480-28166-B-3-A Acquired: 11/12/2012 20:05:40 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0122	.03270	.00185	1.8483	.20630	-0.0003	97.232	.00008	.00100
Stddev	.00023	.00007	.00192	.0129	.00084	.00001	.451	.00002	.00016
%RSD	19.133	.20002	103.68	.69521	.40663	45.495	.46397	26.085	15.812

#1	-.00106	.03265	.00321	1.8574	.20570	-.00002	97.551	.00007	.00111
#2	-.00139	.03275	.00049	1.8392	.20689	-.00004	96.913	.00010	.00089

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00178	.00176	1.0126	10.303	13.250	.00495	20.591	2.4822	.00183
Stddev	.00015	.00002	.4845	.229	.094	.00050	.081	.0096	.00003
%RSD	8.6857	1.3929	47.852	2.2242	.71010	10.104	.39191	.38652	1.6119

#1	.00167	.00174	.66995	10.140	13.317	.00530	20.534	2.4754	.00185
#2	.00189	.00177	1.3552	10.465	13.184	.00460	20.648	2.4890	.00181

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	92.225	.00474	.00212	F 16.26	-0.00190	-0.00154	12.574	-0.00016	1.3679
Stddev	.411	.00081	.00014	.16	.00106	.00122	.040	.00022	.0066
%RSD	.44514	17.190	6.4801	.9692	55.937	79.104	.31508	132.76	.48559

#1	91.935	.00532	.00202	16.37	-.00265	-.00068	12.546	-.00032	1.3726
#2	92.515	.00416	.00221	16.14	-.00115	-.00240	12.602	-.00001	1.3632

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00124	.00279	.00296	.01317
Stddev	.00008	.00101	.00113	.00001
%RSD	6.4624	36.307	38.174	.06246

#1	.00118	.00350	.00377	.01317
#2	.00129	.00207	.00216	.01318

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3298.9	4902.9	49460.	10342.
Stddev	5.7	11.0	106.	12.
%RSD	.17410	.22459	.21374	.11423

#1	3294.9	4895.1	49534.	10334.
#2	3303.0	4910.7	49385.	10350.

Sample Name: CCV Acquired: 11/12/2012 20:07:53 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51870	25.194	.50871	.51076	.50875	.49550	25.848	.51100	.50110	.53349	.50272	24.430	25.735
Stddev	.00120	.021	.00132	.00188	.00082	.00069	.058	.00138	.00159	.00292	.00315	.052	.011
%RSD	.23093	.08409	.26014	.36770	.16024	.13979	.22561	.26922	.31761	.54801	.62623	.21110	.04432

#1	.51955	25.179	.50778	.50943	.50817	.49501	25.807	.51002	.49998	.53556	.50494	24.393	25.727
#2	.51786	25.209	.50965	.51208	.50932	.49599	25.889	.51197	.50223	.53143	.50049	24.466	25.743

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.954	.49542	25.824	.52245	.50871	25.560	.49873	.51078	23.74	.49669	.50029	25.885	.49346
Stddev	.016	.00116	.253	.00291	.00168	.034	.00176	.00066	.12	.00376	.00044	.026	.00128
%RSD	.05787	.23492	.98031	.55687	.32989	.13414	.35319	.12995	.4883	.75637	.08796	.10230	.25919

#1	26.965	.49460	26.003	.52451	.50752	25.536	.49748	.51031	23.66	.49403	.49998	25.866	.49256
#2	26.943	.49624	25.645	.52039	.50990	25.585	.49997	.51125	23.83	.49935	.50060	25.903	.49437

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51695	.49974	.51953	.52451	.54857
Stddev	.00135	.00336	.00382	.00357	.00341
%RSD	.26195	.67221	.73566	.67993	.62221

#1	.51599	.50211	.51682	.52703	.55098
#2	.51790	.49736	.52223	.52198	.54615

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3375.7	5012.6	49659.	9829.6
Stddev	16.5	27.4	219.	18.1
%RSD	.48957	.54579	.44131	.18465

#1	3387.4	5031.9	49504.	9816.8
#2	3364.0	4993.2	49814.	9842.4

Sample Name: CCB Acquired: 11/12/2012 20:10:02 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0083	.01868	-0.0148	.00323	.00001	.00033	.02149	.00015	.00013	.00039	.00073	.01371	.13964
Stddev	.00019	.01068	.00050	.00077	.00000	.00032	.02350	.00008	.00009	.00003	.00068	.01599	.02692
%RSD	23.436	57.180	33.373	23.748	5.7068	95.626	109.35	50.764	74.577	6.8068	91.988	116.62	19.281

#1	-0.0096	.01113	-0.0113	.00269	.00001	.00056	.03811	.00010	.00006	.00041	.00026	.02502	.15867
#2	-0.0069	.02624	-0.0183	.00378	.00001	.00011	.00487	.00021	.00019	.00037	.00121	.00240	.12060

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00362	.00021	-0.0172	.00004	.00015	.02962	.00006	.00066	F .0138	-0.00147	-0.00235	.02887	.00026
Stddev	.00017	.00015	.00530	.00007	.00004	.02544	.00026	.00049	.0176	.00023	.00171	.02953	.00038
%RSD	4.6421	70.640	309.12	166.48	26.407	85.906	399.60	75.147	127.6	15.485	72.463	102.28	146.21

#1	.00374	.00010	.00203	-0.0001	.00012	.04761	-0.0012	.00101	.0013	-0.0131	-0.0115	.04975	-0.0001
#2	.00350	.00031	-0.00547	.00010	.00018	.01163	.00025	.00031	.0262	-0.0163	-0.00356	.00799	.00054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00024	-0.0008	.00005	-0.0102	.00012
Stddev	.00040	.00075	.00303	.00052	.00029
%RSD	169.66	911.75	6031.8	51.057	236.38

#1	.00052	.00045	-0.00209	-0.0139	.00033
#2	-0.0005	-0.00061	.00219	-0.00065	-0.0008

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3661.8	5142.4	51952.	10051.
Stddev	7.8	3.6	30.	61.
%RSD	.21323	.07092	.05699	.60671

#1	3667.4	5145.0	51931.	10094.
#2	3656.3	5139.9	51973.	10008.

Sample Name: 480-28161-G-1-A Acquired: 11/12/2012 20:12:12 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0159	.09426	.02311	.76682	.07456	-0.0004	207.69	.00040	.00080
Stddev	.00059	.01171	.00009	.00084	.00027	.00007	.08	.00025	.00051
%RSD	37.015	12.418	.38284	.10948	.36150	172.71	.03979	63.124	63.714

#1	-.00200	.10254	.02317	.76623	.07475	.00001	207.63	.00022	.00044
#2	-.00117	.08599	.02305	.76742	.07437	-.00008	207.75	.00058	.00116

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00372	.00563	16.062	2.6718	3.6519	.02368	84.961	1.2709	.00780
Stddev	.00038	.00006	.251	.0595	.0229	.00093	.144	.0004	.00040
%RSD	10.092	1.0486	1.5657	2.2261	.62742	3.9150	.16911	.03184	5.1215

#1	.00346	.00567	15.884	2.6298	3.6357	.02433	84.860	1.2706	.00752
#2	.00399	.00558	16.240	2.7139	3.6681	.02302	85.063	1.2712	.00809

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	50.951	.02560	.00129	F 124.3	-0.00083	.00094	7.4689	.00066	1.4654
Stddev	1.376	.00043	.00048	.3	.00129	.00015	.1067	.00106	.0255
%RSD	2.7005	1.6673	37.180	.2474	155.13	15.978	1.4281	161.04	1.7423

#1	49.978	.02590	.00164	124.5	.00008	.00104	7.3935	-.00009	1.4474
#2	51.924	.02530	.00095	124.1	-.00174	.00083	7.5443	.00141	1.4835

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00451	.00009	.00158	.05235
Stddev	.00004	.00104	.00010	.00025
%RSD	.82210	1123.5	6.4957	.46965

#1	.00454	.00082	.00151	.05252
#2	.00448	-.00064	.00166	.05218

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3204.1	4780.8	48400.	10000.
Stddev	3.9	9.8	78.	60.
%RSD	.12145	.20501	.16183	.60155

#1	3206.8	4787.8	48345.	10043.
#2	3201.3	4773.9	48455.	9957.7

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0054	.01613	.00110	.00502	.00010	.00000	.21453	.00012	.00003
Stddev	.00025	.01075	.00054	.00006	.00003	.00008	.21115	.00009	.00000
%RSD	46.508	66.667	49.567	1.0977	27.634	4223.5	98.424	77.818	14.890

#1	-0.0036	.00853	.00148	.00506	.00008	.00006	.06523	.00005	.00003
#2	-0.0071	.02374	.00071	.00498	.00012	-.00006	.36384	.00018	.00003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0047	.00026	.01502	.12635	.00205	.00093	.00148	.00055	.00022
Stddev	.00021	.00034	.01702	.01791	.00028	.00059	.00092	.00003	.00010
%RSD	43.932	127.21	113.33	14.178	13.395	63.133	62.374	4.6859	45.267

#1	-0.0062	.00050	.00298	.11368	.00225	.00052	.00213	.00053	.00030
#2	-0.0032	.00003	.02706	.13902	.00186	.00135	.00083	.00057	.00015

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05236	-0.0043	.00017	F .0166	-0.0010	-0.0429	.01015	-0.0001	.00129
Stddev	.06162	.00014	.00156	.0097	.00199	.00071	.00232	.00037	.00152
%RSD	117.69	32.106	913.44	58.38	1941.8	16.580	22.832	2489.6	117.29

#1	.00879	-0.0033	-0.0093	.0097	.00131	-.00479	.01178	-0.0027	.00022
#2	.09593	-0.0053	.00128	.0235	-.00151	-.00379	.00851	.00025	.00237

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0030					
Low Limit				-.0040					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	-0.0023	-0.00109	-0.00034	.00084
Stddev	.00054	.00122	.00025	.00004
%RSD	236.18	112.07	75.374	4.3617

#1	.00015	-0.00196	-0.00052	.00082
#2	-0.00061	-0.00023	-0.00016	.00087

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3694.3	5170.7	52114.	10157.
Stddev	13.7	10.1	245.	61.
%RSD	.37202	.19560	.46949	.59696

#1	3684.6	5163.5	51941.	10200.
#2	3704.0	5177.8	52287.	10114.

Sample Name: LCS 480-90035/4-B Acquired: 11/12/2012 20:16:26 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05128	10.194	.21152	.21492	.20968	.20683	10.379	.21023	.20789
Stddev	.00001	.063	.00143	.00049	.00052	.00191	.068	.00054	.00015
%RSD	.02196	.62208	.67731	.22753	.24684	.92228	.65690	.25786	.07140

#1	.05127	10.239	.21051	.21457	.20931	.20818	10.427	.20985	.20778
#2	.05129	10.150	.21253	.21526	.21005	.20549	10.330	.21062	.20799

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21595	.20492	10.127	10.387	10.588	.20208	10.616	.20776	.21171
Stddev	.00102	.00065	.092	.009	.104	.00120	.025	.00092	.00020
%RSD	.47129	.31730	.90495	.08226	.98007	.59440	.23614	.44426	.09378

#1	.21523	.20446	10.192	10.393	10.662	.20293	10.599	.20711	.21157
#2	.21667	.20538	10.063	10.381	10.515	.20124	10.634	.20842	.21185

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.351	.20226	.20893	F_0030	.20301	.20156	10.391	.19173	.21177
Stddev	.068	.00110	.00147	.0022	.00080	.00375	.076	.00070	.00111
%RSD	.65709	.54330	.70159	73.01	.39576	1.8601	.73485	.36573	.52254

#1	10.399	.20304	.20997	.0046	.20244	.19891	10.445	.19123	.21255
#2	10.303	.20149	.20790	.0015	.20358	.20422	10.337	.19223	.21099

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				11.50					
Low Limit				8.500					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19248	.20789	.20627	.22759
Stddev	.00190	.00449	.00182	.00031
%RSD	.98473	2.1588	.88210	.13421

#1	.19114	.21106	.20498	.22737
#2	.19382	.20471	.20755	.22780

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3532.5	5096.8	52652.	10464.
Stddev	10.3	17.7	314.	67.
%RSD	.29142	.34793	.59663	.64083

#1	3539.8	5109.4	52874.	10417.
#2	3525.2	5084.3	52430.	10512.

Sample Name: 480-28080-A-1-A Acquired: 11/12/2012 20:18:29 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.03131	.00252	.00402	.00349	.00016	.05158	.00008	-0.0001
Stddev	.00101	.00675	.00068	.00006	.00055	.00021	.01329	.00005	.00015
%RSD	1309.2	21.570	27.093	1.5787	15.684	127.60	25.765	61.087	1363.0

#1	.00079	.02653	.00204	.00407	.00388	.00002	.04219	.00005	-0.0012
#2	-.00064	.03608	.00300	.00398	.00311	.00031	.06098	.00012	.00010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00266	.00347	.01245	.07704	.16988	.00026	.49555	.01007	.00022
Stddev	.00032	.00044	.00926	.01529	.02004	.00061	.10708	.00122	.00019
%RSD	11.939	12.587	74.371	19.850	11.798	231.05	21.609	12.109	88.600

#1	.00288	.00377	.00590	.08785	.18405	-.00017	.57127	.01093	.00035
#2	.00243	.00316	.01899	.06622	.15571	.00069	.41983	.00921	.00008

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09999	-0.00033	.00107	.0251	-0.00133	-0.00036	.02830	-0.00003	.00026
Stddev	.01743	.00069	.00043	.0014	.00115	.00465	.00268	.00052	.00018
%RSD	17.428	212.01	40.183	5.695	86.464	1300.4	9.4838	1692.5	69.347

#1	.08767	.00016	.00137	.0261	-.00214	-.00364	.02640	.00034	.00013
#2	.11231	-.00081	.00077	.0241	-.00052	.00293	.03019	-.00040	.00039

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00243	.00015	.00244	.00715
Stddev	.00055	.00151	.00030	.00053
%RSD	22.427	996.01	12.396	7.3691

#1	.00282	-.00091	.00266	.00752
#2	.00205	.00122	.00223	.00677

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3731.1	5219.4	53949.	10135.
Stddev	6.4	3.5	411.	109.
%RSD	.17046	.06726	.76248	1.0743

#1	3735.6	5221.9	54240.	10058.
#2	3726.6	5216.9	53658.	10212.

Sample Name: 480-28080-E-2-A Acquired: 11/12/2012 20:20:28 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0102	.05850	-0.00193	.37146	.07574	.00000	35.752	-0.00043	.00009
Stddev	.00056	.00194	.00005	.00143	.00000	.0000	.054	.00001	.00025
%RSD	54.840	3.3138	2.6662	.38464	.00653	883.06	.15075	2.9629	284.18

#1	-0.0141	.05713	-0.00196	.37247	.07574	.00002	35.714	-0.00042	-0.00009
#2	-0.0062	.05987	-0.00189	.37045	.07574	-0.00003	35.790	-0.00043	.00027

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00058	.00091	27.661	6.3584	7.5277	.01722	9.2518	.44325	-0.00031
Stddev	.00004	.00036	.071	.0301	.0293	.00056	.0534	.00343	.00034
%RSD	6.4277	39.371	.25749	.47355	.38921	3.2657	.57727	.77404	110.60

#1	.00060	.00065	27.610	6.3371	7.5484	.01682	9.2140	.44082	-0.00007
#2	.00055	.00116	27.711	6.3797	7.5070	.01762	9.2896	.44567	-0.00055

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.818	.00182	.00043	F 20.62	-0.00223	-0.00407	6.9441	.00004	.16334
Stddev	.072	.00012	.00142	.16	.00118	.00340	.0200	.00003	.00076
%RSD	.16832	6.8413	327.22	.7516	52.930	83.694	.28869	93.318	.46676

#1	42.767	.00191	-0.00057	20.73	-0.0140	-0.00166	6.9300	.00001	.16280
#2	42.869	.00173	.00144	20.52	-0.00307	-0.00647	6.9583	.00006	.16388

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00044	-0.00126	.00222	.00376
Stddev	.00090	.00112	.00014	.00016
%RSD	206.38	88.939	6.5077	4.2305

#1	-0.00020	-0.00047	.00212	.00365
#2	.00108	-0.00205	.00232	.00387

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3421.4	4973.1	50222.	10171.
Stddev	2.2	2.0	234.	5.
%RSD	.06311	.03967	.46576	.04676

#1	3422.9	4974.5	50387.	10174.
#2	3419.8	4971.7	50056.	10167.

Sample Name: 480-28080-E-3-A Acquired: 11/12/2012 20:22:27 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0115	.04078	.00143	.10638	.10414	.00019	46.417	F -.00234	.00073
Stddev	.00017	.00861	.00011	.00043	.00029	.00010	.630	.00003	.00017
%RSD	14.404	21.116	7.4770	.39996	.27683	53.565	1.3575	1.1059	23.896

#1	-.00127	.03469	.00136	.10608	.10435	.00012	46.863	-.00232	.00085
#2	-.00103	.04687	.00151	.10668	.10394	.00026	45.972	-.00236	.00060

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								15.000	
Low Limit								-.00100	

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00015	.00146	130.99	8.9917	11.257	.02882	15.354	.84445	-.00099
Stddev	.00030	.00009	2.07	.0818	.214	.00153	.006	.00302	.00012
%RSD	203.72	5.9274	1.5795	.91016	1.9019	5.3044	.03967	.35707	12.423

#1	-.00036	.00152	132.45	9.0496	11.408	.02990	15.350	.84232	-.00090
#2	.00007	.00140	129.52	8.9338	11.105	.02773	15.358	.84658	-.00107

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	55.178	.00324	.00084	F 13.83	-.00167	-.00259	8.4679	.00098	.23126
Stddev	.728	.00030	.00018	.02	.00025	.00001	.1438	.00000	.00290
%RSD	1.3188	9.2912	21.222	.1521	15.090	.40544	1.6985	.35909	1.2535

#1	55.693	.00345	.00071	13.85	-.00150	-.00258	8.5696	.00098	.23331
#2	54.664	.00302	.00096	13.82	-.00185	-.00259	8.3662	.00098	.22921

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00043	-.00158	.00486	.00762
Stddev	.00027	.00189	.00008	.00004
%RSD	62.374	119.78	1.5519	.46728

#1	.00062	-.00292	.00480	.00759
#2	.00024	-.00024	.00491	.00764

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3371.1	5000.9	49836.	9809.0
Stddev	8.1	16.3	245.	110.5
%RSD	.24087	.32613	.49178	1.1269

#1	3376.8	5012.4	49663.	9730.9
#2	3365.3	4989.3	50009.	9887.2

Sample Name: 480-28080-E-4-A Acquired: 11/12/2012 20:24:32 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0069	.48815	.09813	1.0062	.07212	.00012	84.544	-0.0029	.00628
Stddev	.00071	.00374	.00077	.0068	.00038	.00004	.082	.00015	.00004
%RSD	103.34	.76682	.78576	.67537	.53065	32.120	.09743	50.752	.67282

#1	-.00018	.48550	.09868	1.0014	.07240	.00015	84.602	-.00018	.00625
#2	-.00119	.49079	.09759	1.0110	.07185	.00009	84.485	-.00039	.00631

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00284	.00236	46.434	70.860	70.959	.00616	64.133	.11121	.00172
Stddev	.00017	.00019	.036	.188	.208	.00029	.341	.00089	.00023
%RSD	6.0291	7.9852	.07714	.26507	.29344	4.6709	.53147	.79835	13.164

#1	.00271	.00249	46.460	70.993	71.106	.00595	64.374	.11183	.00156
#2	.00296	.00222	46.409	70.727	70.812	.00636	63.892	.11058	.00188

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	106.24	.01057	.00181	1.714	.00031	-.00374	3.9731	.00103	.36852
Stddev	.64	.00105	.00033	.008	.00045	.00612	.0027	.00010	.00210
%RSD	.59919	9.9344	18.225	.4739	148.99	163.83	.06753	9.8329	.56995

#1	106.69	.00983	.00205	1.708	.00063	-.00806	3.9750	.00110	.37001
#2	105.79	.01131	.00158	1.719	-.00002	.00059	3.9712	.00096	.36704

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00140	-.00005	.00108	.01351
Stddev	.00038	.00103	.00037	.00058
%RSD	26.951	2199.3	34.281	4.2941

#1	.00113	-.00077	.00082	.01392
#2	.00167	.00068	.00134	.01310

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3190.7	4856.4	47946.	9977.9
Stddev	.3	4.0	70.	64.1
%RSD	.00897	.08138	.14606	.64227

#1	3190.9	4859.2	47897.	10023.
#2	3190.5	4853.6	47996.	9932.6

Sample Name: 480-28080-E-5-A Acquired: 11/12/2012 20:26:36 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0143	.02054	.88585	.23153	.05698	-0.0007	39.878	-0.0072	.0011
Stddev	.00011	.01291	.00600	.00033	.00027	.00006	.376	.00016	.00008
%RSD	7.8579	62.844	.67690	.14416	.47261	86.067	.94303	21.788	71.178

#1	-.00135	.02966	.88161	.23177	.05679	-.00003	39.612	-.00083	.00017
#2	-.00150	.01141	.89009	.23130	.05717	-.00011	40.144	-.00061	.00005

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00086	.00136	70.603	30.668	28.282	.00100	12.488	.03919	.00906
Stddev	.00019	.00002	.331	.228	.472	.00036	.004	.00003	.00009
%RSD	22.010	1.6833	.46837	.74248	1.6684	35.479	.03295	.06392	.98625

#1	.00072	.00135	70.369	30.507	28.615	.00125	12.485	.03917	.00912
#2	.00099	.00138	70.836	30.829	27.948	.00075	12.491	.03920	.00900

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9745	.00178	.00058	3.210	.00042	-.00338	1.4628	.00075	.16626
Stddev	.0130	.00047	.00096	.021	.00026	.00043	.0120	.00026	.00164
%RSD	.65952	26.528	164.90	.6600	62.383	12.709	.82259	34.762	.98539

#1	1.9653	.00145	.00126	3.195	.00060	-.00368	1.4543	.00057	.16510
#2	1.9837	.00212	-.00010	3.225	.00023	-.00307	1.4713	.00094	.16742

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00033	-.00044	.00051	.00597
Stddev	.00035	.00086	.00034	.00026
%RSD	104.37	196.38	67.382	4.3818

#1	.00058	-.00105	.00075	.00579
#2	.00009	.00017	.00027	.00616

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3442.7	5018.3	50555.	9992.8
Stddev	2.9	4.6	44.	52.1
%RSD	.08532	.09166	.08636	.52156

#1	3444.8	5021.6	50586.	10030.
#2	3440.6	5015.1	50524.	9955.9

Sample Name: 480-28080-E-6-A Acquired: 11/12/2012 20:28:43 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0109	.05267	.00125	.31186	.10995	.00017	24.545	-0.0077	-0.0020
Stddev	.00078	.00471	.00057	.00013	.00020	.00000	.300	.00008	.00030
%RSD	70.938	8.9478	45.528	.04300	.17737	2.2414	1.2217	10.972	147.87

#1	-.00055	.04934	.00085	.31176	.11009	.00017	24.333	-.00083	-.00042
#2	-.00164	.05600	.00165	.31195	.10982	.00018	24.757	-.00071	.00001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	.00174	47.655	5.2462	6.5462	.02178	11.029	.46579	-0.0040
Stddev	.00019	.00023	.744	.0795	.0134	.00075	.063	.00261	.00000
%RSD	71.165	13.109	1.5621	1.5145	.20532	3.4366	.57162	.56058	1.0323

#1	.00040	.00190	47.129	5.1900	6.5367	.02125	11.074	.46764	-.00039
#2	.00013	.00158	48.182	5.3024	6.5557	.02231	10.985	.46395	-.00040

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	73.887	.00039	.00208	F 32.50	-0.00129	-0.00139	10.108	-0.00005	.11982
Stddev	1.011	.00026	.00050	.01	.00163	.00074	.108	.00009	.00182
%RSD	1.3687	66.025	23.774	.0310	125.59	53.492	1.0665	167.27	1.5185

#1	73.172	.00057	.00243	32.50	-.00014	-.00192	10.032	.00001	.11853
#2	74.602	.00021	.00173	32.51	-.00244	-.00087	10.184	-.00011	.12110

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00021	.00141	.00321	.00311
Stddev	.00032	.00139	.00022	.00047
%RSD	150.10	99.052	6.9028	14.997

#1	-.00001	.00239	.00337	.00278
#2	.00044	.00042	.00306	.00343

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3408.7	4987.5	49654.	9808.4
Stddev	1.2	2.0	87.	56.6
%RSD	.03572	.04003	.17600	.57750

#1	3409.6	4988.9	49593.	9848.4
#2	3407.8	4986.1	49716.	9768.3

Sample Name: 480-28131-F-1-A Acquired: 11/12/2012 20:30:46 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0108	.01688	.01623	.44141	.39470	.00002	194.96	.00029	.00086
Stddev	.00032	.01303	.00054	.00480	.00215	.00005	1.13	.00008	.00000
%RSD	29.940	77.173	3.3563	1.0874	.54571	283.14	.57907	27.265	.55855

#1	-.00130	.00767	.01662	.44480	.39622	-.00002	195.76	.00035	.00086
#2	-.00085	.02610	.01585	.43801	.39317	.00006	194.16	.00024	.00087

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00169	.00155	4.6072	5.4274	8.3930	.00560	166.35	.02456	.00099
Stddev	.00005	.00023	.0513	.0169	.1090	.00044	.39	.00011	.00002
%RSD	2.7887	14.893	1.1136	.31104	1.2987	7.9458	.23504	.46048	1.9239

#1	.00173	.00171	4.6435	5.4393	8.4700	.00591	166.08	.02448	.00100
#2	.00166	.00139	4.5709	5.4154	8.3159	.00528	166.63	.02464	.00097

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	182.07	.02069	.00202	2.151	.00040	-.00165	7.0795	.00097	5.3776
Stddev	.68	.00034	.00190	.012	.00166	.00001	.0568	.00035	.0685
%RSD	.37129	1.6424	93.987	.5522	413.61	.83117	.80259	35.638	1.2741

#1	182.54	.02045	.00337	2.159	.00157	-.00164	7.1197	.00073	5.3292
#2	181.59	.02093	.00068	2.142	-.00077	-.00166	7.0393	.00122	5.4261

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00138	.00012	.00192	.00187
Stddev	.00054	.00029	.00029	.00006
%RSD	39.418	236.84	15.131	3.0635

#1	.00099	.00033	.00213	.00183
#2	.00176	-.00008	.00171	.00191

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3033.0	4654.4	47713.	10121.
Stddev	12.6	22.9	79.	58.
%RSD	.41380	.49263	.16591	.57424

#1	3024.1	4638.2	47657.	10080.
#2	3041.9	4670.7	47769.	10162.

Sample Name: CCV Acquired: 11/12/2012 20:33:03 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51161	25.158	.51705	.51506	.51173	.49405	26.390	.51353	.50145	.52251	.49890	24.293	25.758
Stddev	.00360	.451	.00232	.00115	.00709	.00889	.383	.00332	.00255	.00336	.00430	.481	.413
%RSD	.70342	1.7937	.44787	.22404	1.3849	1.7991	1.4520	.64597	.50815	.64347	.86261	1.9802	1.6043

#1	.50907	24.839	.51541	.51425	.50672	.48776	26.661	.51118	.49965	.52013	.49585	23.953	25.466
#2	.51416	25.477	.51868	.51588	.51674	.50033	26.119	.51587	.50326	.52488	.50194	24.633	26.051

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.211	.49540	25.549	.51044	.51027	26.129	.49734	.51023	23.95	.50094	.50294	25.820	.49153
Stddev	.203	.00857	.082	.00386	.00252	.297	.00333	.00352	.14	.00577	.00698	.460	.00312
%RSD	.74720	1.7303	.31951	.75590	.49474	1.1357	.66912	.68910	.5883	1.1523	1.3883	1.7810	.63375

#1	27.067	.48934	25.607	.50771	.50848	26.338	.49499	.50775	23.85	.49686	.49800	25.495	.48932
#2	27.355	.50146	25.491	.51317	.51205	25.919	.49970	.51272	24.05	.50502	.50788	26.145	.49373

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.53105	.48995	.52338	.51603	.53129
Stddev	.01346	.00442	.00259	.00218	.00619
%RSD	2.5353	.90234	.49503	.42149	1.1649

#1	.54057	.48682	.52154	.51449	.52691
#2	.52153	.49307	.52521	.51757	.53567

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3398.1	5030.1	50711.	9867.5
Stddev	21.7	31.3	217.	154.4
%RSD	.63840	.62261	.42876	1.5649

#1	3413.4	5052.3	50865.	9976.7
#2	3382.7	5008.0	50557.	9758.3

Sample Name: CCB Acquired: 11/12/2012 20:35:09 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00078	-0.00423	.00028	.00183	.00006	.00000	.00690	.00019	.00003	.00022	.00086	.00164	.12191
Stddev	.00062	.01631	.00083	.00011	.00002	.0000	.00044	.00000	.00003	.00000	.00008	.00066	.04356
%RSD	79.333	385.68	299.12	5.9019	26.488	1189.3	6.3588	1.1037	80.919	.54037	9.7828	40.372	35.731

#1	-0.0034	.00730	-0.0031	.00191	.00007	.00001	.00721	.00019	.00001	.00022	.00080	.00211	.09111
#2	-0.00121	-.01576	.00087	.00176	.00005	-.00001	.00659	.00020	.00005	.00022	.00092	.00117	.15271

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00550	.00096	.00882	.00004	.00019	.01769	-.00018	.00077	-.0004	-.00012	-.00059	.01570	-.00029
Stddev	.00016	.00062	.00515	.00000	.00000	.00505	.00046	.00110	.0004	.00040	.00098	.00857	.00002
%RSD	2.9077	64.323	58.430	10.991	.94550	28.526	258.44	143.58	94.99	341.18	165.53	54.596	7.1926

#1	.00562	.00140	.00518	.00004	.00019	.01412	.00015	-.00001	-.0001	.00017	-.00129	.00964	-.00027
#2	.00539	.00052	.01247	.00005	.00019	.02126	-.00050	.00155	-.0007	-.00040	.00010	.02175	-.00030

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00007	-0.00023	-0.00042	-0.00011	-0.00009
Stddev	.00007	.00003	.00043	.00035	.00100
%RSD	96.829	11.623	101.96	306.90	1174.9

#1	-0.0002	-.00025	-.00072	-.00036	-.00079
#2	-.00012	-.00021	-.00012	.00013	.00062

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3688.4	5166.2	52291.	9998.6
Stddev	7.8	9.5	244.	84.5
%RSD	.21236	.18319	.46608	.84468

#1	3682.8	5159.5	52464.	9938.9
#2	3693.9	5172.8	52119.	10058.

Sample Name: 480-28131-F-2-A Acquired: 11/12/2012 20:37:16 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0057	.03122	.01847	.32927	.17817	.00004	101.66	.00014	.00031
Stddev	.00031	.01170	.00253	.00207	.00017	.00002	.56	.00010	.00007
%RSD	54.482	37.482	13.706	.62898	.09321	38.907	.55203	76.919	22.988

#1	-.00035	.03950	.02026	.33073	.17805	.00005	101.26	.00021	.00026
#2	-.00080	.02295	.01668	.32780	.17828	.00003	102.06	.00006	.00036

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00118	.00114	4.3737	3.7113	4.9113	.00566	74.862	.01797	.00110
Stddev	.00063	.00019	.0113	.0274	.0197	.00022	.074	.00012	.00015
%RSD	52.780	16.380	.25875	.73876	.40069	3.8923	.09911	.65036	13.875

#1	.00074	.00127	4.3657	3.6919	4.8973	.00551	74.809	.01788	.00099
#2	.00163	.00100	4.3817	3.7307	4.9252	.00582	74.914	.01805	.00121

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	64.933	.00831	-.00063	.6293	-.00122	-.00207	8.5291	-.00020	1.5375
Stddev	.159	.00066	.00196	.0068	.00195	.00209	.0243	.00039	.0035
%RSD	.24486	7.8964	309.42	1.080	159.02	100.66	.28520	193.63	.22879

#1	64.821	.00877	.00075	.6341	.00015	-.00060	8.5119	-.00048	1.5350
#2	65.045	.00785	-.00202	.6245	-.00260	-.00355	8.5463	.00007	1.5400

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00101	-.00076	.00005	.00084
Stddev	.00021	.00076	.00023	.00037
%RSD	20.710	100.40	416.43	43.985

#1	.00086	-.00022	-.00011	.00058
#2	.00116	-.00129	.00021	.00110

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3251.1	4860.9	49494.	10211.
Stddev	16.6	33.3	36.	37.
%RSD	.51167	.68515	.07300	.36070

#1	3239.3	4837.4	49469.	10237.
#2	3262.8	4884.5	49520.	10185.

Sample Name: 480-28131-F-3-A Acquired: 11/12/2012 20:39:15 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0124	.01449	.02527	.15216	.01553	.00006	34.473	.00024	-0.0004
Stddev	.00006	.00780	.00019	.00007	.00009	.00006	.030	.00020	.00006
%RSD	4.4539	53.843	.73329	.04863	.55506	94.005	.08734	83.339	143.89

#1	-.00120	.02001	.02540	.15211	.01546	.00002	34.494	.00038	.00000
#2	-.00128	.00898	.02514	.15222	.01559	.00010	34.452	.00010	-.00009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00067	.00038	.78867	2.3596	2.6191	.00270	36.290	.01285	.00574
Stddev	.00046	.00021	.00313	.0080	.0003	.00030	.025	.00002	.00002
%RSD	68.237	54.215	.39733	.33967	.00949	11.197	.06770	.13953	.31378

#1	.00035	.00052	.78645	2.3539	2.6192	.00249	36.273	.01287	.00572
#2	.00099	.00023	.79089	2.3652	2.6189	.00292	36.308	.01284	.00575

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.218	.00075	.00141	.0456	.00015	.00075	3.9500	.00001	.62572
Stddev	.084	.00002	.00054	.0009	.00133	.00266	.0181	.00017	.00150
%RSD	.36128	2.7602	38.529	1.880	868.32	352.08	.45712	1130.1	.24021

#1	23.158	.00077	.00180	.0450	-.00079	.00263	3.9627	.00013	.62466
#2	23.277	.00074	.00103	.0462	.00109	-.00112	3.9372	-.00010	.62678

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00005	-.00217	-.00027	.00199
Stddev	.00000	.00095	.00010	.00006
%RSD	7.8801	43.764	38.114	2.9339

#1	.00005	-.00284	-.00019	.00195
#2	.00006	-.00150	-.00034	.00203

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3448.7	5012.6	49609.	9680.4
Stddev	2.4	.4	79.	32.0
%RSD	.07000	.00867	.15980	.33087

#1	3447.0	5012.9	49553.	9657.7
#2	3450.4	5012.3	49666.	9703.0

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0068	.00636	.00539	.03100	.00316	.00000	6.8944	.00016	-0.0008
Stddev	.00054	.00220	.00066	.00042	.00002	.0000	.0320	.00006	.00017
%RSD	78.495	34.523	12.174	1.3524	.64058	5808.3	.46386	35.719	229.33

#1	-0.0030	.00481	.00493	.03130	.00318	.00001	6.9170	.00020	-0.0020
#2	-0.0106	.00792	.00586	.03070	.00315	-0.0001	6.8718	.00012	.00005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00006	.15970	.54794	.42638	-0.00007	7.2554	.00272	.00132
Stddev	.00006	.00003	.00145	.01774	.00461	.00060	.0036	.00003	.00023
%RSD	283.72	48.922	.91028	3.2372	1.0817	824.53	.04891	1.2507	17.244

#1	-0.0002	.00004	.16073	.53540	.42964	.00035	7.2579	.00275	.00148
#2	.00006	.00009	.15868	.56048	.42312	-0.00050	7.2529	.00270	.00116

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.6225	-0.0039	.00034	.0098	-0.00161	-0.00165	.79120	-0.00005	.12483
Stddev	.0360	.00024	.00017	.0014	.00120	.00232	.01548	.00057	.00031
%RSD	.77933	61.366	48.255	14.46	74.404	140.25	1.9568	1135.1	.24727

#1	4.6480	-0.00056	.00046	.0088	-0.00246	-0.00329	.80215	.00035	.12505
#2	4.5970	-0.00022	.00023	.0108	-0.00076	-0.00001	.78025	-0.00045	.12462

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00012	.00067	.00017	-0.00006
Stddev	.00045	.00144	.00012	.00022
%RSD	384.44	215.36	66.925	376.87

#1	.00043	-0.00035	.00009	.00010
#2	-0.00020	.00169	.00026	-0.00022

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3604.4	5115.1	50972.	9943.0
Stddev	3.7	6.3	123.	23.0
%RSD	.10192	.12357	.24141	.23160

#1	3607.0	5119.6	51059.	9926.7
#2	3601.8	5110.6	50885.	9959.3

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05180	10.219	.23884	.36091	.22353	.20674	43.446	.21282	.21213
Stddev	.00099	.002	.00065	.00369	.00029	.00074	.019	.00079	.00049
%RSD	1.9185	.02328	.27392	1.0210	.12768	.35992	.04413	.37313	.23071

#1	.05250	10.217	.23930	.35830	.22333	.20727	43.432	.21226	.21248
#2	.05109	10.221	.23837	.36351	.22373	.20622	43.459	.21338	.21178

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21554	.20613	10.792	12.518	14.481	.19977	45.934	.22458	.21862
Stddev	.00027	.00034	.016	.003	.056	.00021	.117	.00147	.00122
%RSD	.12371	.16404	.15200	.02637	.38408	.10474	.25392	.65478	.56011

#1	.21573	.20589	10.804	12.520	14.442	.19962	46.016	.22562	.21776
#2	.21535	.20637	10.780	12.515	14.520	.19991	45.851	.22354	.21949

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	32.449	.20652	.21373	.0444	.20404	.20046	14.964	.19464	.81399
Stddev	.045	.00054	.00047	.0029	.00197	.00219	.017	.00129	.00125
%RSD	.13786	.26194	.22194	6.462	.96746	1.0949	.11370	.66201	.15301

#1	32.481	.20613	.21340	.0424	.20264	.19891	14.952	.19555	.81487
#2	32.418	.20690	.21407	.0464	.20543	.20201	14.976	.19373	.81311

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.20276	.21260	.21511	.23810
Stddev	.00034	.00307	.00014	.00092
%RSD	.16676	1.4435	.06336	.38508

#1	.20252	.21043	.21521	.23875
#2	.20300	.21477	.21501	.23745

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3325.3	4949.3	49182.	9890.8
Stddev	30.7	35.2	67.	2.3
%RSD	.92249	.71092	.13651	.02290

#1	3303.7	4924.4	49230.	9889.2
#2	3347.0	4974.2	49135.	9892.4

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05028	10.281	.24179	.36526	.21810	.20671	43.657	.21143	.20903
Stddev	.00182	.005	.00078	.00036	.01040	.00063	.204	.00026	.00034
%RSD	3.6199	.05070	.32068	.09881	4.7679	.30474	.46667	.12478	.16285

#1	.04899	10.277	.24234	.36500	.21075	.20715	43.801	.21124	.20879
#2	.05157	10.284	.24124	.36551	.22545	.20626	43.513	.21162	.20927

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21016	.19844	10.770	12.737	14.647	.20327	44.939	.21052	.21654
Stddev	.00748	.00943	.005	.024	.060	.00011	2.262	.01030	.00039
%RSD	3.5609	4.7521	.04272	.18653	.40938	.05591	5.0326	4.8948	.17950

#1	.20487	.19177	10.773	12.754	14.689	.20335	43.340	.20324	.21627
#2	.21545	.20510	10.767	12.720	14.604	.20319	46.538	.21781	.21682

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	33.028	.20206	.21115	.0452	.20327	.20280	14.391	.19615	.82933
Stddev	.107	.00056	.00199	.0009	.00140	.00059	.070	.00001	.00353
%RSD	.32351	.27727	.94395	1.936	.69072	.29292	.48757	.00711	.42516

#1	33.103	.20167	.20974	.0446	.20426	.20322	14.440	.19616	.83182
#2	32.952	.20246	.21256	.0458	.20227	.20238	14.341	.19614	.82683

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.18800	.20925	.20364	.22362
Stddev	.00881	.00136	.01012	.01216
%RSD	4.6853	.64834	4.9687	5.4382

#1	.18178	.20829	.19648	.21502
#2	.19423	.21021	.21079	.23222

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3377.1	5010.0	51856.	10167.
Stddev	5.5	4.7	2101.	34.
%RSD	.16186	.09479	4.0510	.33795

#1	3381.0	5013.4	53341.	10143.
#2	3373.3	5006.7	50371.	10191.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05207	10.308	.23856	.36047	.22390	.20765	43.799	.21051	.20787
Stddev	.00041	.062	.00331	.00092	.00192	.00089	.436	.00052	.00030
%RSD	.78523	.60409	1.3895	.25445	.85784	.42883	.99536	.24509	.14571

#1	.05236	10.264	.24091	.36112	.22526	.20702	43.491	.21087	.20809
#2	.05178	10.352	.23622	.35982	.22254	.20828	44.108	.21014	.20766

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21819	.20411	10.843	12.734	14.690	.20415	46.698	.21978	.21580
Stddev	.00009	.00111	.050	.067	.110	.00048	.158	.00073	.00040
%RSD	.04022	.54554	.46361	.52555	.74667	.23437	.33864	.33138	.18526

#1	.21825	.20489	10.807	12.686	14.613	.20449	46.810	.22029	.21608
#2	.21812	.20332	10.878	12.781	14.768	.20381	46.586	.21926	.21552

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	33.111	.20160	.20844	.0415	.20097	.20072	14.561	.19542	.82783
Stddev	.128	.00083	.00233	.0030	.00272	.00177	.148	.00044	.00357
%RSD	.38704	.41356	1.1196	7.245	1.3558	.87977	1.0143	.22553	.43144

#1	33.021	.20219	.21009	.0394	.19904	.19947	14.456	.19573	.82531
#2	33.202	.20101	.20679	.0436	.20290	.20196	14.665	.19511	.83036

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19498	.20903	.21000	.23255
Stddev	.00128	.00218	.00137	.00252
%RSD	.65454	1.0409	.65251	1.0824

#1	.19588	.20750	.21096	.23433
#2	.19408	.21057	.20903	.23077

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3362.1	4996.5	50012.	9969.3
Stddev	.8	8.4	338.	147.0
%RSD	.02356	.16904	.67653	1.4741

#1	3362.7	4990.6	49773.	10073.
#2	3361.5	5002.5	50252.	9865.4

Sample Name: 480-28131-F-4-A Acquired: 11/12/2012 20:49:20 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0109	.01255	.00633	.16288	.44523	.00004	133.24	.00016	-0.0015
Stddev	.00013	.02134	.00044	.00011	.00692	.00005	2.78	.00001	.00011
%RSD	12.006	170.06	6.8968	.06670	1.5538	151.33	2.0894	4.8480	70.922

#1	-.00118	-.00254	.00664	.16280	.45012	.00007	135.21	.00016	-.00007
#2	-.00100	.02764	.00603	.16295	.44033	.00000	131.27	.00017	-.00022

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00127	.00153	3.9512	4.8809	7.0712	.01207	73.033	.03299	.00094
Stddev	.00068	.00042	.0834	.0988	.1503	.00110	.220	.00033	.00005
%RSD	53.095	27.369	2.1108	2.0248	2.1259	9.0749	.30074	1.0102	5.4847

#1	.00175	.00123	4.0102	4.9508	7.1775	.01129	72.877	.03275	.00090
#2	.00080	.00183	3.8923	4.8110	6.9649	.01284	73.188	.03323	.00097

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	141.57	.00054	-.00038	F 25.54	.00144	-.00470	7.2783	-.00022	1.7044
Stddev	2.10	.00081	.00067	.04	.00204	.00040	.1288	.00009	.0342
%RSD	1.4806	149.85	175.07	.1581	141.70	8.4564	1.7702	40.630	2.0041

#1	143.06	.00111	.00009	25.52	.00000	-.00441	7.3694	-.00028	1.7285
#2	140.09	-.00003	-.00086	25.57	.00288	-.00498	7.1872	-.00015	1.6802

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00131	.00048	-.00030	.00138
Stddev	.00010	.00146	.00007	.00043
%RSD	7.8905	302.35	24.782	31.323

#1	.00138	-.00055	-.00025	.00108
#2	.00124	.00151	-.00036	.00169

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3186.1	4797.0	48031.	10082.
Stddev	2.0	8.8	100.	216.
%RSD	.06369	.18260	.20754	2.1422

#1	3184.6	4790.8	47960.	9929.2
#2	3187.5	4803.2	48101.	10235.

Sample Name: 480-28131-F-5-A Acquired: 11/12/2012 20:51:26 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0103	.01174	.01055	.18649	.38113	.00002	133.39	.00014	.00021
Stddev	.00026	.00080	.00076	.00095	.00126	.00002	4.96	.00007	.00031
%RSD	25.755	6.8429	7.1609	.50787	.32996	127.29	3.7169	45.939	145.84

#1	-.00084	.01231	.01002	.18582	.38202	.00000	136.89	.00010	.00044
#2	-.00122	.01117	.01109	.18716	.38024	.00003	129.88	.00019	-.00001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00107	.00095	4.6397	6.5685	9.6418	.01220	64.450	.03929	.00137
Stddev	.00063	.00031	.1693	.2674	.1927	.00136	.454	.00007	.00035
%RSD	59.057	32.343	3.6478	4.0716	1.9985	11.171	.70493	.17159	25.975

#1	.00151	.00073	4.7594	6.7576	9.7780	.01317	64.772	.03934	.00111
#2	.00062	.00117	4.5200	6.3794	9.5055	.01124	64.129	.03925	.00162

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	175.73	.00208	.00035	F 22.85	.00041	-.00453	7.1374	-.00021	.75130
Stddev	6.76	.00016	.00210	.02	.00104	.00240	.2670	.00060	.02905
%RSD	3.8488	7.9338	604.05	.0757	251.19	53.015	3.7402	287.14	3.8664

#1	180.51	.00219	.00183	22.86	.00115	-.00283	7.3262	-.00064	.77184
#2	170.94	.00196	-.00114	22.84	-.00032	-.00623	6.9487	.00022	.73076

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00057	-.00327	.00003	.00153
Stddev	.00069	.00052	.00017	.00008
%RSD	121.35	15.747	570.84	5.0537

#1	.00106	-.00364	.00015	.00159
#2	.00008	-.00291	-.00009	.00148

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3161.9	4782.6	47693.	9566.5
Stddev	3.2	6.2	124.	246.9
%RSD	.09996	.13061	.26042	2.5805

#1	3164.2	4787.0	47605.	9391.9
#2	3159.7	4778.1	47781.	9741.1

Sample Name: 480-28129-F-1-A Acquired: 11/12/2012 20:53:36 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0076	.03958	.00011	.14835	.13522	-0.0003	120.85	.00018	.00194
Stddev	.00174	.00442	.00007	.00033	.00512	.00004	.89	.00004	.00024
%RSD	227.31	11.155	62.171	.22444	3.7872	129.92	.73311	22.192	12.522

#1	-.00199	.04270	.00006	.14858	.13160	.00000	121.48	.00021	.00177
#2	.00046	.03646	.00016	.14811	.13884	-.00006	120.23	.00015	.00211

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00269	.00269	1.9926	3.3311	^ *****	.00921	63.552	.17428	.00082
Stddev	.00293	.00227	.0092	.0303	----	.00112	.474	.00239	.00028
%RSD	108.90	84.439	.46025	.91054	----	12.171	.74628	1.3726	34.718

#1	.00062	.00108	1.9991	3.3526	4.3520	.00842	63.888	.17598	.00062
#2	.00477	.00429	1.9861	3.3097	^ ----	.01000	63.217	.17259	.00102

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39.589	-0.0027	.00092	F 42.69	-0.0032	-0.0010	7.7597	.00008	.16197
Stddev	.252	.00066	.00051	.05	.00015	.00302	.0582	.00024	.00134
%RSD	.63583	245.24	55.023	.1080	46.785	3063.6	.74978	294.31	.82823

#1	39.767	-.00074	.00128	42.73	-.00022	-.00223	7.8008	.00026	.16292
#2	39.411	.00020	.00056	42.66	-.00043	.00203	7.7185	-.00009	.16102

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit 10.00
 Low Limit -.0100

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00343	-0.00038	.00148	.00307
Stddev	.00165	.00306	.00249	.00230
%RSD	48.203	809.58	168.87	75.023

#1	.00226	.00179	-.00029	.00144
#2	.00460	-.00255	.00324	.00469

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3306.7	4891.7	48510.	9397.0
Stddev	9.4	5.5	824.	67.5
%RSD	.28479	.11340	1.6978	.71845

#1	3300.0	4887.8	47928.	9349.2
#2	3313.4	4895.6	49093.	9444.7

Sample Name: 480-28129-F-2-A Acquired: 11/12/2012 20:55:41 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0122	.01325	.00048	.09940	.13469	.00000	136.09	.00020	.00002
Stddev	.00036	.00507	.00021	.00077	.00052	.00003	.62	.00010	.00014
%RSD	29.665	38.279	44.915	.77070	.38719	2630.0	.45503	52.644	556.12

#1	-.00148	.00966	.00032	.09994	.13506	.00002	135.66	.00027	.00012
#2	-.00097	.01683	.00063	.09886	.13432	-.00002	136.53	.00012	-.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00113	.00097	1.0739	2.4883	3.0350	.02482	78.579	.08177	.00095
Stddev	.00002	.00017	.0018	.0391	.0022	.00062	.301	.00036	.00002
%RSD	1.9549	17.217	.16640	1.5718	.07160	2.5052	.38313	.43567	1.6038

#1	.00114	.00085	1.0726	2.4607	3.0366	.02526	78.792	.08203	.00094
#2	.00111	.00108	1.0752	2.5160	3.0335	.02438	78.366	.08152	.00096

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 { 57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.708	.00027	.00131	F 50.48	.00048	.00235	11.537	-.00066	.19466
Stddev	.117	.00030	.00033	.35	.00040	.00103	.056	.00071	.00027
%RSD	.43791	111.54	25.284	.6971	83.749	43.974	.48245	107.83	.13789

#1	26.625	.00006	.00108	50.72	.00076	.00308	11.498	-.00116	.19447
#2	26.790	.00049	.00155	50.23	.00019	.00162	11.576	-.00016	.19485

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00120	.00016	.00003	.00186
Stddev	.00034	.00028	.00022	.00010
%RSD	27.948	170.61	804.95	5.1101

#1	.00097	.00036	.00018	.00180
#2	.00144	-.00003	-.00013	.00193

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3289.6	4861.9	49059.	9872.7
Stddev	26.1	32.4	83.	61.9
%RSD	.79400	.66626	.16842	.62744

#1	3271.1	4839.0	49000.	9916.5
#2	3308.0	4884.8	49117.	9828.9

Sample Name: CCV Acquired: 11/12/2012 20:57:49 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51847	25.376	.51431	.51638	.51276	.49649	26.100	.51393	.50153	.52861	.50504	24.547
Stddev	.00522	.030	.00081	.00237	.00099	.00030	.064	.00012	.00109	.00511	.00183	.001
%RSD	1.0066	.11789	.15682	.45939	.19234	.06082	.24618	.02388	.21673	.96661	.36302	.00479

#1	.51478	25.355	.51488	.51806	.51206	.49628	26.055	.51385	.50230	.52500	.50374	24.546
#2	.52216	25.397	.51374	.51471	.51346	.49670	26.145	.51402	.50076	.53222	.50633	24.548

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.938	F 27.962	.49814	26.153	.51594	.51218	25.788	.49832	.51313	23.83	.49960	.50526
Stddev	.008	.505	.00061	.601	.00367	.00008	.049	.00058	.00051	.06	.00063	.00293
%RSD	.03167	1.8060	.12150	2.2967	.71199	.01561	.18843	.11542	.09855	.2363	.12517	.58042

#1	25.932	27.605	.49857	26.578	.51335	.51224	25.823	.49873	.51277	23.79	.50004	.50733
#2	25.944	28.319	.49772	25.729	.51854	.51213	25.754	.49791	.51349	23.87	.49916	.50318

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		25.000										
Range		10.000%										

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.949	.48926	.51950	.49224	.52343	.52128	.53954
Stddev	.048	.00077	.00055	.00368	.00026	.00388	.00176
%RSD	.18642	.15680	.10597	.74725	.04941	.74424	.32713

#1	25.915	.48872	.51911	.48964	.52324	.51854	.53830
#2	25.984	.48980	.51989	.49484	.52361	.52402	.54079

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3420.3	5058.0	50335.	9685.6
Stddev	1.9	7.5	476.	18.2
%RSD	.05688	.14779	.94481	.18770

#1	3421.6	5063.3	49999.	9698.5
#2	3418.9	5052.8	50672.	9672.8

Sample Name: CCB Acquired: 11/12/2012 20:59:57 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00090	0.00636	-0.00024	0.00171	0.00002	-0.00001	0.00764	0.00012	-0.00024	-0.00020	0.00109	0.00425	0.12121
Stddev	0.00010	0.01224	0.00036	0.00013	0.00000	0.00006	0.00258	0.00006	0.00015	0.00014	0.00025	0.00051	0.05473
%RSD	11.476	192.48	150.57	7.8746	20.424	486.83	33.794	54.763	64.926	70.056	22.691	11.917	45.158

#1	-0.00097	0.01502	-0.00049	0.00180	0.00002	-0.00003	0.00946	0.00007	-0.00013	-0.00030	0.00092	0.00389	0.15991
#2	-0.00083	-0.00230	0.00002	0.00161	0.00001	-0.00005	0.00581	0.00016	-0.00034	-0.00010	0.00127	0.00461	0.08250

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.00401	-0.00013	-0.00431	0.00006	0.00020	0.02916	-0.00039	0.00097	F 0.0061	-0.00094	-0.00405	0.03382	0.00005
Stddev	0.00061	0.00002	0.00170	0.00002	0.00006	0.00238	0.00086	0.00099	0.0005	0.00006	0.00524	0.01448	0.00010
%RSD	15.321	15.383	39.395	24.233	30.724	8.1627	221.62	102.01	8.588	6.4032	129.19	42.811	208.18

#1	0.00357	-0.00014	-0.00311	0.00005	0.00024	0.03084	-0.00100	0.00167	0.0065	-0.00089	-0.00035	0.04406	0.00012
#2	0.00444	-0.00011	-0.00552	0.00008	0.00015	0.02748	0.00022	0.00027	0.0058	-0.00098	-0.00776	0.02358	-0.00002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									0.0030				
Low Limit									-0.0040				

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00004	0.00047	-0.00026	-0.00021	-0.00028
Stddev	0.00006	0.00016	0.00010	0.00014	0.00004
%RSD	168.66	32.732	39.209	65.354	13.258

#1	0.00001	0.00058	-0.00019	-0.00031	-0.00030
#2	-0.00008	0.00036	-0.00033	-0.00011	-0.00025

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3683.4	5154.9	52291.	9958.3
Stddev	11.3	15.7	8.	48.7
%RSD	.30749	.30511	.01523	.48877

#1	3691.4	5166.0	52296.	9923.9
#2	3675.4	5143.8	52285.	9992.7

Sample Name: 480-28129-F-3-A Acquired: 11/12/2012 21:02:08 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0038	.72414	.00152	.30249	.09293	.00001	95.889	.00015	.00015
Stddev	.00130	.00595	.00188	.00315	.00015	.00009	.319	.00011	.00001
%RSD	340.04	.82214	123.18	1.0412	.16562	1349.6	.33262	76.730	9.5786
#1	-.00131	.72835	.00020	.30027	.09282	-.00006	96.114	.00007	.00016
#2	.00054	.71993	.00285	.30472	.09304	.00007	95.663	.00022	.00014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00251	.00259	3.5409	3.1386	3.8482	.00289	50.641	.05597	.00017
Stddev	.00058	.00036	.0130	.0147	.0554	.00083	.011	.00082	.00021
%RSD	23.062	13.834	.36564	.46956	1.4405	28.768	.02191	1.4735	123.70
#1	.00210	.00234	3.5501	3.1490	3.8090	.00230	50.649	.05538	.00002
#2	.00291	.00285	3.5318	3.1282	3.8874	.00347	50.633	.05655	.00032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.000	.00077	.00214	4.042	-0.00046	-0.00319	8.9417	-0.00006	1.0023
Stddev	.061	.00000	.00030	.050	.00103	.00158	.0464	.00001	.0027
%RSD	.22531	.07866	13.815	1.232	225.37	49.561	.51907	20.554	.27147
#1	27.043	.00077	.00193	4.007	-.00119	-.00430	8.9745	-.00006	1.0043
#2	26.957	.00077	.00235	4.077	.00027	-.00207	8.9089	-.00005	1.0004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.01410	-.00252	.00231	.00349
Stddev	.00131	.00182	.00062	.00123
%RSD	9.2846	72.247	26.743	35.163
#1	.01318	-.00123	.00187	.00262
#2	.01503	-.00381	.00274	.00436

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3363.1	4958.4	49431.	9819.1
Stddev	22.5	32.7	206.	8.4
%RSD	.66962	.66029	.41645	.08545
#1	3379.0	4981.6	49285.	9825.1
#2	3347.1	4935.3	49576.	9813.2

Sample Name: 480-28129-F-4-A Acquired: 11/12/2012 21:04:28 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0170	.01178	.00110	.24864	.12630	.00001	74.310	.00010	-0.0004
Stddev	.00040	.01232	.00018	.00100	.00004	.00001	.580	.00016	.00006
%RSD	23.581	104.57	16.263	.40163	.02794	74.343	.78053	163.78	141.27

#1	-.00142	.02049	.00123	.24793	.12633	.00001	73.900	.00021	-.00008
#2	-.00198	.00307	.00097	.24934	.12628	.00002	74.721	-.00002	.00000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00166	.00147	.08851	3.5543	3.9477	.00648	39.602	.00832	.00327
Stddev	.00028	.00011	.00519	.0003	.0043	.00065	.037	.00008	.00006
%RSD	17.011	7.6515	5.8583	.00966	.10848	10.104	.09451	.95061	1.7490

#1	.00146	.00155	.09218	3.5540	3.9508	.00694	39.576	.00837	.00331
#2	.00186	.00140	.08484	3.5545	3.9447	.00602	39.629	.00826	.00323

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.3478	.00071	.00192	F 13.84	-0.00133	-0.00184	4.9550	-0.00045	.69267
Stddev	.0093	.00080	.00167	.06	.00136	.00478	.0294	.00010	.00197
%RSD	.11165	111.46	87.001	.4574	102.33	259.85	.59301	23.157	.28469

#1	8.3543	.00128	.00310	13.79	-.00229	.00154	4.9342	-.00052	.69128
#2	8.3412	.00015	.00074	13.88	-.00037	-.00522	4.9758	-.00037	.69407

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00061	-.00294	-.00002	.00259
Stddev	.00009	.00490	.00033	.00075
%RSD	14.503	166.63	1635.0	28.842

#1	.00054	.00052	-.00025	.00312
#2	.00067	-.00641	.00021	.00206

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3415.8	4955.0	49629.	10015.
Stddev	3.6	12.2	243.	96.
%RSD	.10569	.24605	.48945	.95381

#1	3418.3	4963.7	49800.	10083.
#2	3413.2	4946.4	49457.	9947.6

Sample Name: 480-28129-F-5-A Acquired: 11/12/2012 21:07:11 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0061	.01366	.00337	.29630	.06054	-0.0003	83.752	.00018	.00130
Stddev	.00071	.00190	.00237	.00144	.00000	.00009	.141	.00004	.00001
%RSD	116.99	13.885	70.161	.48446	.00387	258.01	.16812	22.248	1.0746

#1	-.00111	.01500	.00170	.29528	.06054	.00003	83.852	.00020	.00131
#2	-.00010	.01232	.00505	.29731	.06054	-.00010	83.653	.00015	.00129

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00319	.00104	1.1433	4.2429	5.0029	.01101	60.572	.02849	.00204
Stddev	.00011	.00009	.0012	.0013	.0033	.00069	.092	.00007	.00008
%RSD	3.3091	8.9677	.10537	.02985	.06617	6.3003	.15211	.25854	4.0617

#1	.00326	.00111	1.1442	4.2420	5.0005	.01150	60.507	.02854	.00198
#2	.00311	.00097	1.1425	4.2438	5.0052	.01052	60.637	.02844	.00210

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.308	.00590	.00203	F 22.22	-0.00033	-0.00017	6.1393	-0.00068	.52301
Stddev	.009	.00022	.00060	.09	.00004	.00367	.0227	.00065	.00038
%RSD	.06896	3.6864	29.811	.4047	13.153	2119.1	.37042	94.991	.07298

#1	13.301	.00575	.00160	22.15	-.00036	.00242	6.1232	-.00114	.52274
#2	13.314	.00606	.00245	22.28	-.00030	-.00277	6.1554	-.00022	.52328

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00083	-.00120	.00027	.00433
Stddev	.00015	.00035	.00014	.00007
%RSD	18.097	29.417	53.102	1.7284

#1	.00094	-.00095	.00037	.00438
#2	.00073	-.00145	.00017	.00428

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3338.2	4901.5	49137.	9861.1
Stddev	.7	6.9	149.	15.0
%RSD	.02141	.14128	.30367	.15254

#1	3338.7	4906.4	49242.	9871.7
#2	3337.7	4896.6	49031.	9850.4

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0158	.10245	.00099	.15728	.09340	.00003	158.34	.00023	.00581
Stddev	.00039	.00970	.00035	.00092	.00013	.00004	2.66	.00005	.00018
%RSD	24.604	9.4663	35.434	.58258	.14194	125.63	1.6774	20.148	3.1707

#1	-.00185	.09559	.00074	.15792	.09349	.00000	160.22	.00020	.00594
#2	-.00130	.10931	.00124	.15663	.09330	.00006	156.46	.00026	.00568

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00160	.00279	3.4375	3.6088	4.5545	.01405	84.394	.04443	.00309
Stddev	.00016	.00024	.0494	.0417	.0589	.00087	.111	.00014	.00004
%RSD	9.7011	8.7189	1.4370	1.1543	1.2940	6.1660	.13179	.30573	1.2701

#1	.00171	.00297	3.4725	3.6383	4.5962	.01344	84.473	.04433	.00306
#2	.00149	.00262	3.4026	3.5793	4.5128	.01467	84.316	.04453	.00311

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.077	.00441	.00206	F 76.93	.00001	-.00334	8.2875	-.00018	.71890
Stddev	.276	.00019	.00029	.28	.00015	.00183	.1404	.00011	.01223
%RSD	1.6149	4.2985	14.213	.3684	1780.7	54.868	1.6937	60.558	1.7014

#1	17.272	.00427	.00227	77.13	-.00010	-.00204	8.3868	-.00010	.72755
#2	16.882	.00454	.00185	76.73	.00011	-.00463	8.1883	-.00026	.71025

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00246	.00026	.00050	.00346
Stddev	.00050	.00167	.00006	.00060
%RSD	20.391	650.98	11.654	17.284

#1	.00211	-.00092	.00054	.00389
#2	.00282	.00144	.00045	.00304

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3276.1	4840.4	48983.	9963.7
Stddev	1.7	2.5	162.	121.5
%RSD	.05240	.05181	.33146	1.2199

#1	3274.9	4838.6	48869.	9877.8
#2	3277.3	4842.2	49098.	10050.

Sample Name: 480-28129-F-7-A Acquired: 11/12/2012 21:12:04 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0165	.06676	.00503	.56630	.11401	-0.0004	91.946	.00012	-0.00005
Stddev	.00003	.01359	.00005	.00133	.00021	.00007	.102	.00015	.00006
%RSD	1.9683	20.358	1.0394	.23408	.18315	149.07	.11090	123.09	117.19

#1	-.00163	.07637	.00499	.56537	.11386	-.00009	92.018	.00002	-.00001
#2	-.00167	.05715	.00506	.56724	.11416	.00000	91.874	.00023	-.00010

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00140	.00160	5.3093	2.3025	2.9516	.01513	63.784	.08983	.00765
Stddev	.00011	.00011	.0406	.0150	.0256	.00175	.019	.00017	.00031
%RSD	7.9694	6.6438	.76437	.65357	.86796	11.592	.02974	.18930	4.0931

#1	.00148	.00152	5.3379	2.3131	2.9697	.01638	63.771	.08971	.00787
#2	.00132	.00167	5.2806	2.2919	2.9335	.01389	63.798	.08995	.00743

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	60.072	.00051	.00031	.6016	-0.00149	-0.00232	8.4412	-0.00029	2.0894
Stddev	.778	.00056	.00025	.0292	.00095	.00262	.0157	.00004	.0141
%RSD	1.2944	108.65	79.805	4.847	63.695	112.99	.18597	15.157	.67670

#1	60.622	.00012	.00049	.6222	-.00082	-.00417	8.4523	-.00032	2.0994
#2	59.523	.00091	.00014	.5810	-.00216	-.00047	8.4301	-.00026	2.0794

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00178	.00009	.00062	.00159
Stddev	.00002	.00330	.00062	.00025
%RSD	.86196	3736.2	100.15	15.797

#1	.00179	.00243	.00018	.00141
#2	.00177	-.00225	.00106	.00176

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3293.1	4896.2	49017.	9874.3
Stddev	15.0	19.2	113.	15.8
%RSD	.45444	.39158	.23096	.16020

#1	3282.5	4882.6	49097.	9863.1
#2	3303.7	4909.7	48937.	9885.4

Sample Name: 480-28129-F-8-A Acquired: 11/12/2012 21:14:20 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0149	.02520	.00205	.79669	.09025	-0.00005	125.64	.00031	.01085
Stddev	.00011	.01446	.00076	.00435	.00049	.00007	.12	.00013	.00013
%RSD	7.1588	57.370	36.788	.54585	.54123	155.66	.09793	42.134	1.1738

#1	-.00141	.01498	.00259	.79976	.09060	-.00010	125.73	.00022	.01076
#2	-.00156	.03543	.00152	.79361	.08991	.00000	125.56	.00041	.01094

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00107	.00082	.33835	6.8828	9.1982	.02173	74.507	.39984	.01749
Stddev	.00045	.00009	.00128	.0033	.2190	.00034	.656	.00321	.00069
%RSD	41.975	11.049	.37703	.04848	2.3803	1.5669	.88007	.80314	3.9580

#1	.00139	.00089	.33926	6.8804	9.0434	.02197	74.971	.40211	.01798
#2	.00075	.00076	.33745	6.8851	9.3530	.02149	74.044	.39757	.01700

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	57.285	.03491	.00080	F 72.54	-0.00097	.00033	5.7607	-0.00026	1.6430
Stddev	.115	.00022	.00072	.73	.00067	.00260	.0168	.00018	.0001
%RSD	.20146	.64441	89.704	1.011	69.543	790.88	.29225	67.834	.00407

#1	57.203	.03507	.00131	73.06	-.00049	-.00151	5.7726	-.00039	1.6429
#2	57.366	.03475	.00029	72.02	-.00144	.00217	5.7488	-.00014	1.6430

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00138	.00016	.00037	.00506
Stddev	.00016	.00068	.00008	.00048
%RSD	11.802	430.60	22.450	9.4428

#1	.00150	.00064	.00043	.00540
#2	.00127	-.00032	.00031	.00472

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3256.1	4842.0	48684.	9554.9
Stddev	25.4	32.0	96.	11.2
%RSD	.78023	.66179	.19697	.11729

#1	3238.1	4819.3	48616.	9562.8
#2	3274.0	4864.6	48751.	9546.9

Sample Name: 480-28147-D-1-A Acquired: 11/12/2012 21:16:40 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0118	.07044	.00119	.01398	.01333	-0.0003	4.4727	.00004	-0.0001
Stddev	.00006	.00450	.00067	.00026	.00003	.00003	.0360	.00009	.00021
%RSD	5.3112	6.3837	56.335	1.8262	.23753	102.55	.80393	228.44	1983.9

#1	-.00122	.06726	.00166	.01416	.01331	-.00001	4.4981	-.00003	-.00016
#2	-.00114	.07362	.00071	.01380	.01335	-.00005	4.4473	.00011	.00014

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00770	.03409	.34851	.33513	-0.00020	.53785	.00273	.00025
Stddev	.00039	.00004	.00184	.01322	.00714	.00095	.00164	.00010	.00008
%RSD	1871.8	.54537	5.3916	3.7928	2.1315	480.05	.30576	3.5787	31.201

#1	.00030	.00767	.03279	.33917	.34018	.00047	.53901	.00280	.00019
#2	-.00026	.00773	.03539	.35786	.33008	-.00087	.53668	.00266	.00030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	80.941	-0.00042	.00058	7.780	.00061	-0.00234	6.3149	-0.00027	.01224
Stddev	.296	.00032	.00014	.013	.00199	.00054	.0257	.00058	.00019
%RSD	.36517	75.846	23.670	.1668	323.40	23.217	.40740	216.69	1.5557

#1	81.150	-.00064	.00048	7.771	.00202	-.00196	6.3331	.00014	.01237
#2	80.732	-.00019	.00068	7.790	-.00079	-.00272	6.2967	-.00067	.01210

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00014	-0.00100	.00003	.00830
Stddev	.00011	.00206	.00008	.00015
%RSD	84.457	205.08	238.09	1.8649

#1	.00005	-.00246	.00009	.00819
#2	.00022	.00045	-.00002	.00841

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3466.7	5023.7	49888.	9910.0
Stddev	14.8	17.2	62.	140.4
%RSD	.42596	.34295	.12331	1.4165

#1	3477.2	5035.9	49932.	9810.7
#2	3456.3	5011.5	49845.	10009.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0048	.01923	-0.0088	.00310	.00006	.00004	.13042	.00016	-0.0001
Stddev	.00011	.00084	.00038	.00000	.00001	.00005	.13571	.00013	.00006
%RSD	22.845	4.3892	43.188	.07740	17.447	135.39	104.06	82.726	537.27

#1	-0.0056	.01983	-0.0115	.00310	.00007	.00000	.03446	.00007	-0.0006
#2	-0.0040	.01863	-0.0061	.00310	.00005	.00008	.22638	.00026	.00003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	.00071	.00261	.08890	.00237	.00072	.00564	.00034	.00006
Stddev	.00003	.00026	.00277	.02658	.00041	.00079	.00235	.00004	.00007
%RSD	11.770	37.173	106.15	29.894	17.215	109.50	41.689	12.387	121.67

#1	.00025	.00089	.00065	.07011	.00266	.00128	.00731	.00037	.00011
#2	.00030	.00052	.00457	.10769	.00208	.00016	.00398	.00031	.00001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27192	.00002	.00172	F .0044	.00057	-.00212	.04001	.00035	.00132
Stddev	.29508	.00023	.00013	.0002	.00042	.00059	.03118	.00014	.00177
%RSD	108.52	1515.9	7.3898	4.231	73.908	27.847	77.921	40.476	134.35

#1	.06327	-0.0015	.00181	.0042	.00027	-0.00170	.01796	.00025	.00007
#2	.48057	.00018	.00163	.0045	.00087	-0.00253	.06205	.00045	.00257

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0030					
Low Limit				-.0040					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00045	.00026	-.00038	.00165
Stddev	.00013	.00172	.00005	.00097
%RSD	29.425	661.36	12.164	58.707

#1	.00035	.00148	-0.00035	.00097
#2	.00054	-0.00096	-0.00041	.00234

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3701.7	5193.5	52320.	9959.8
Stddev	5.0	11.1	63.	80.9
%RSD	.13604	.21462	.11989	.81191

#1	3698.1	5185.6	52364.	9902.6
#2	3705.2	5201.4	52275.	10017.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05170	10.326	.20631	.20822	.21115	.20584	10.642	.20530	.20435
Stddev	.00124	.031	.00018	.00113	.00263	.00072	.018	.00113	.00121
%RSD	2.4072	.29940	.08885	.54109	1.2445	.35049	.16731	.54969	.59214

#1	.05082	10.348	.20618	.20742	.20929	.20533	10.654	.20450	.20350
#2	.05258	10.304	.20644	.20902	.21301	.20635	10.629	.20610	.20521

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21533	.20355	10.187	10.430	11.303	.20189	10.706	.20566	.20666
Stddev	.00406	.00183	.021	.051	.075	.00049	.250	.00130	.00077
%RSD	1.8846	.89780	.20936	.48849	.66647	.24424	2.3342	.62968	.37058

#1	.21246	.20226	10.171	10.394	11.250	.20224	10.883	.20475	.20612
#2	.21820	.20484	10.202	10.466	11.356	.20154	10.529	.20658	.20720

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.395	.19739	.20465	F -.0027	.20040	.19621	10.691	.19119	.20883
Stddev	.006	.00144	.00221	.0034	.00155	.00007	.030	.00175	.00044
%RSD	.06139	.73122	1.0807	127.5	.77266	.03527	.27853	.91760	.21181

#1	10.390	.19637	.20309	-.0003	.19931	.19617	10.712	.18995	.20852
#2	10.399	.19841	.20622	-.0051	.20150	.19626	10.670	.19243	.20915

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				11.50					
Low Limit				8.500					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19009	.20211	.20620	.22795
Stddev	.00317	.00225	.00341	.00373
%RSD	1.6680	1.1118	1.6520	1.6359

#1	.18785	.20052	.20379	.22531
#2	.19234	.20370	.20861	.23058

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3562.1	5134.9	51422.	9587.1
Stddev	19.9	25.1	55.	31.3
%RSD	.55930	.48792	.10771	.32612

#1	3576.2	5152.6	51383.	9564.9
#2	3548.0	5117.2	51462.	9609.2

Sample Name: 480-28108-A-1-A Acquired: 11/12/2012 21:23:08 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0046	.38347	.00160	.04497	.10006	.00092	61.852	-0.0051	.01261
Stddev	.00070	.01516	.00014	.00062	.00001	.00015	.405	.00011	.00029
%RSD	152.73	3.9532	8.8362	1.3758	.00816	16.319	.65509	21.633	2.2650

#1	.00004	.37275	.00170	.04454	.10007	.00082	61.565	-.00043	.01240
#2	-.00096	.39419	.00150	.04541	.10005	.00103	62.138	-.00058	.01281

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00062	.00065	26.998	4.4331	4.8527	.03875	2.6564	.08669	.00032
Stddev	.00042	.00010	.126	.0032	.0151	.00001	.0134	.00019	.00025
%RSD	67.386	15.052	.46549	.07184	.31118	.01474	.50421	.21422	78.574

#1	.00092	.00059	26.909	4.4308	4.8634	.03875	2.6469	.08656	.00050
#2	.00033	.00072	27.087	4.4353	4.8420	.03875	2.6659	.08682	.00014

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.572	.01997	.00238	F 34.51	-0.00081	-0.00222	6.9798	-0.0001	1.3292
Stddev	.025	.00031	.00124	.18	.00048	.00548	.0158	.00029	.0028
%RSD	.19591	1.5447	52.150	.5208	59.018	246.94	.22653	5104.8	.21290

#1	12.555	.02019	.00150	34.38	-.00047	-.00610	6.9686	-.00021	1.3272
#2	12.589	.01975	.00326	34.64	-.00115	.00166	6.9910	.00020	1.3312

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00488	-.00091	.00041	.01163
Stddev	.00015	.00045	.00024	.00070
%RSD	3.1440	49.794	59.036	6.0336

#1	.00499	-.00123	.00024	.01113
#2	.00477	-.00059	.00058	.01213

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3491.9	5031.5	50299.	9879.9
Stddev	30.3	39.0	136.	56.2
%RSD	.86882	.77589	.27086	.56842

#1	3513.4	5059.1	50396.	9919.6
#2	3470.5	5003.9	50203.	9840.2

Sample Name: CCV Acquired: 11/12/2012 21:25:18 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51744	25.255	.50980	.51128	.51043	.49655	25.982	.51169	.50039	.53078	.50296	24.472
Stddev	.00063	.087	.00277	.00191	.00115	.00074	.040	.00157	.00065	.00029	.00164	.015
%RSD	.12151	.34399	.54389	.37334	.22621	.14887	.15244	.30679	.13035	.05451	.32611	.06080

#1	.51789	25.193	.50784	.50993	.50962	.49603	25.954	.51058	.49993	.53058	.50412	24.483
#2	.51700	25.316	.51176	.51263	.51125	.49707	26.010	.51280	.50085	.53099	.50180	24.462

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.808	F 27.705	.49769	25.596	.51780	.50990	25.608	.49724	.51079	23.82	.49910	.50045
Stddev	.046	.603	.00115	.023	.00013	.00205	.009	.00052	.00020	.00	.00047	.00313
%RSD	.17860	2.1775	.23081	.08850	.02449	.40241	.03705	.10367	.03896	.0153	.09514	.62494

#1	25.775	28.132	.49688	25.580	.51771	.50844	25.601	.49688	.51065	23.82	.49944	.50266
#2	25.840	27.279	.49851	25.612	.51789	.51135	25.615	.49761	.51093	23.82	.49876	.49824

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		25.000										
Range		10.000%										

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.889	.49051	.51598	.49739	.52065	.52174	.54451
Stddev	.083	.00083	.00094	.00140	.00251	.00228	.00178
%RSD	.32211	.17016	.18232	.28048	.48137	.43725	.32671

#1	25.830	.49110	.51531	.49837	.51888	.52336	.54576
#2	25.948	.48992	.51664	.49640	.52243	.52013	.54325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3407.1	5051.1	50100.	9734.9
Stddev	3.5	.9	110.	35.7
%RSD	.10385	.01782	.21887	.36719

#1	3404.6	5051.7	50022.	9709.6
#2	3409.6	5050.4	50178.	9760.2

Sample Name: CCB Acquired: 11/12/2012 21:27:30 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0067	.00080	.00036	.00164	.00021	.00004	.00373	.00029	.00011	.00041	.00106	.00166	.10455
Stddev	.00068	.00538	.00008	.00039	.00030	.00001	.00114	.00011	.00005	.00006	.00050	.00080	.00708
%RSD	101.78	676.14	21.431	23.662	142.54	18.303	30.540	38.816	41.749	13.629	46.959	48.311	6.7723

#1	-.00115	-.00301	.00041	.00192	.00000	.00004	.00453	.00021	.00008	.00037	.00071	.00109	.09954
#2	-.00019	.00460	.00031	.00137	.00042	.00005	.00292	.00037	.00014	.00045	.00141	.00222	.10956

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01115	-.00023	.00934	.00021	.00030	.01499	-.00011	.00102	F .0160	-.00058	-.00294	.01756	-.00013
Stddev	.01181	.00011	.01798	.00020	.00024	.02349	.00006	.00023	.0145	.00024	.00027	.00169	.00012
%RSD	105.87	47.541	192.53	92.223	80.358	156.72	57.985	23.003	90.95	41.855	9.0405	9.6260	92.868

#1	.00280	-.00031	-.00338	.00007	.00013	-.00162	-.00015	.00118	.0057	-.00075	-.00275	.01876	-.00022
#2	.01950	-.00015	.02205	.00035	.00047	.03160	-.00006	.00085	.0263	-.00041	-.00312	.01637	-.00005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	.00041	-.00057	.00005	-.00005
Stddev	.00003	.00089	.00156	.00023	.00059
%RSD	19.648	215.82	274.03	487.43	1077.2

#1	-.00012	-.00022	-.00167	-.00012	-.00047
#2	-.00016	.00104	.00053	.00021	.00036

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3684.5	5165.5	52592.	10144.
Stddev	16.0	13.6	45.	218.
%RSD	.43424	.26402	.08593	2.1462

#1	3695.8	5175.2	52560.	10298.
#2	3673.2	5155.9	52624.	9989.7

Sample Name: 480-28108-A-2-A Acquired: 11/12/2012 21:29:47 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0123	.27033	.00347	.02957	.11434	.0006	91.301	-0.0007	.00068
Stddev	.00090	.00786	.00025	.00061	.00051	.00007	.103	.00005	.00011
%RSD	73.176	2.9094	7.1929	2.0488	.44536	124.62	.11324	68.997	16.806

#1	-.00059	.27589	.00365	.02914	.11470	.00001	91.374	-.00010	.00076
#2	-.00186	.26476	.00330	.03000	.11398	.00011	91.228	-.00003	.00060

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00136	.00216	.22092	4.1846	4.6091	.04526	4.6071	.09415	.00075
Stddev	.00002	.00004	.00039	.0518	.0182	.00061	.0324	.00083	.00028
%RSD	1.5800	1.9565	.17869	1.2379	.39446	1.3454	.70355	.87731	36.649

#1	.00134	.00219	.22119	4.2213	4.6220	.04569	4.6300	.09473	.00056
#2	.00137	.00213	.22064	4.1480	4.5962	.04483	4.5842	.09357	.00095

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.8215	.00212	.00013	F 44.60	-0.0134	-0.00305	14.080	.00024	1.6485
Stddev	.0185	.00082	.00149	.12	.00231	.00292	.010	.00013	.0043
%RSD	.23671	38.911	1125.6	.2716	172.33	95.659	.07419	53.725	.26066

#1	7.8345	.00270	-.00092	44.52	.00029	-.00511	14.087	.00033	1.6516
#2	7.8084	.00153	.00119	44.69	-.00297	-.00099	14.073	.00015	1.6455

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00873	-.00043	.00039	.01021
Stddev	.00044	.00044	.00019	.00062
%RSD	4.9817	102.91	49.528	6.1233

#1	.00904	-.00012	.00052	.00976
#2	.00843	-.00074	.00025	.01065

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3446.0	4964.4	49610.	9798.7
Stddev	15.7	26.3	249.	25.9
%RSD	.45662	.53059	.50266	.26398

#1	3457.1	4983.0	49434.	9780.4
#2	3434.9	4945.7	49787.	9816.9

Sample Name: 480-28108-A-3-A Acquired: 11/12/2012 21:31:55 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0149	.03820	.00041	.00293	.00079	.00002	.08997	.00021	-0.0013
Stddev	.00033	.00626	.00222	.00034	.00000	.00018	.00179	.00001	.00003
%RSD	21.980	16.391	543.24	11.453	.53052	721.51	1.9899	2.6571	26.111

#1	-.00126	.03377	-.00116	.00317	.00079	.00015	.09123	.00022	-.00011
#2	-.00172	.04262	.00198	.00270	.00079	-.00010	.08870	.00021	-.00016

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.00028	.03664	.09485	.00390	.00028	.00662	.00100	.00018
Stddev	.00033	.00016	.00052	.00000	.00028	.00001	.00330	.00004	.00011
%RSD	645.15	58.688	1.4102	.00118	7.3017	4.7253	49.824	3.5279	61.980

#1	.00018	.00016	.03700	.09485	.00370	.00029	.00896	.00098	.00010
#2	-.00029	.00040	.03627	.09485	.00410	.00027	.00429	.00103	.00026

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05301	-0.00021	-0.00037	.0068	-0.00004	.00062	.02462	.00018	.00124
Stddev	.00454	.00025	.00056	.0058	.00027	.00331	.00529	.00043	.00001
%RSD	8.5678	122.64	152.83	85.04	651.76	536.86	21.478	235.78	.49680

#1	.05622	-.00003	-.00076	.0027	-.00023	-.00172	.02088	-.00012	.00124
#2	.04979	-.00039	.00003	.0108	.00015	.00295	.02835	.00048	.00124

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00008	-0.00096	-0.00029	.00246
Stddev	.00034	.00091	.00038	.00023
%RSD	427.34	95.151	129.44	9.2300

#1	-.00016	-.00161	-.00056	.00262
#2	.00032	-.00031	-.00002	.00230

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3692.0	5182.9	52238.	9669.7
Stddev	19.7	21.5	495.	98.6
%RSD	.53396	.41416	.94853	1.0198

#1	3706.0	5198.1	51887.	9739.4
#2	3678.1	5167.7	52588.	9600.0

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0155	.00488	.00155	.00068	.00018	-0.0002	.02599	.00011	-0.0004
Stddev	.00043	.00839	.00109	.00011	.00001	.00005	.00299	.00007	.00014
%RSD	27.909	172.09	70.544	15.565	6.5880	284.97	11.493	63.443	363.94

#1	-.00186	.01081	.00232	.00060	.00017	-.00005	.02388	.00016	-.00014
#2	-.00125	-.00106	.00078	.00075	.00019	.00002	.02810	.00006	.00006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0059	-0.0032	.00591	.06507	.00097	.00002	.00624	.00039	.00011
Stddev	.00033	.00034	.00242	.02196	.00030	.00107	.00111	.00006	.00025
%RSD	55.491	108.38	40.987	33.748	30.482	5079.7	17.725	14.508	223.48

#1	-.00036	-.00007	.00763	.04954	.00076	-.00073	.00546	.00043	-.00006
#2	-.00082	-.00056	.00420	.08060	.00118	.00078	.00702	.00035	.00028

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02529	-0.0021	.00174	.0055	-0.0003	-0.0437	.01951	.00001	.00016
Stddev	.00681	.00012	.00094	.0118	.00066	.00067	.00072	.00002	.00003
%RSD	26.921	56.543	53.743	214.0	2252.7	15.219	3.6772	141.25	21.124

#1	.02047	-.00030	.00241	-.0028	.00044	-.00484	.02002	.00000	.00019
#2	.03010	-.00013	.00108	.0138	-.00050	-.00390	.01901	.00002	.00014

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	-0.0009	.00034	-0.0030	.00043
Stddev	.00057	.00126	.00009	.00025
%RSD	639.21	369.41	28.835	59.208

#1	-.00049	-.00055	-.00037	.00025
#2	.00032	.00124	-.00024	.00061

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3666.4	5152.9	51189.	9817.4
Stddev	13.6	18.6	11.	31.0
%RSD	.37084	.36160	.02120	.31543

#1	3676.1	5166.0	51182.	9839.3
#2	3656.8	5139.7	51197.	9795.5

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05208	10.849	.21113	.22490	.22360	.20665	10.576	.20905	.20901
Stddev	.00018	.058	.00063	.00004	.00132	.00118	.066	.00082	.00079
%RSD	.33754	.53528	.29878	.01870	.59049	.57259	.62091	.39231	.37915

#1	.05221	10.808	.21068	.22487	.22453	.20581	10.529	.20963	.20958
#2	.05196	10.890	.21158	.22493	.22266	.20749	10.622	.20847	.20845

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21412	.20686	10.239	11.021	11.528	.21366	10.703	.21610	.21149
Stddev	.00051	.00015	.110	.098	.041	.00221	.021	.00033	.00097
%RSD	.23817	.07048	1.0770	.89337	.35577	1.0336	.19196	.15040	.45874

#1	.21448	.20696	10.161	10.951	11.557	.21210	10.718	.21633	.21218
#2	.21376	.20676	10.317	11.091	11.499	.21523	10.689	.21587	.21081

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.985	.20241	.20901	-.0005	.20309	.20124	11.182	.18860	.22886
Stddev	.086	.00016	.00164	.0054	.00040	.00370	.044	.00046	.00172
%RSD	.78448	.07703	.78620	1144.	.19842	1.8382	.38967	.24155	.75021

#1	10.924	.20230	.21017	-.0043	.20280	.20385	11.151	.18827	.22765
#2	11.046	.20252	.20785	.0033	.20337	.19862	11.213	.18892	.23008

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.20063	.20446	.20995	.23773
Stddev	.00121	.00222	.00147	.00141
%RSD	.60226	1.0882	.70166	.59195

#1	.20148	.20288	.21100	.23873
#2	.19977	.20603	.20891	.23674

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3531.7	5098.6	51466.	9963.3
Stddev	4.1	9.8	288.	13.2
%RSD	.11620	.19303	.55889	.13245

#1	3534.6	5105.5	51263.	9972.6
#2	3528.8	5091.6	51670.	9953.9

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05044	10.229	.20854	.20845	.20993	.20558	10.522	.20704	.20593
Stddev	.00074	.075	.00083	.00221	.00008	.00116	.110	.00166	.00111
%RSD	1.4706	.73162	.39925	1.0624	.03673	.56433	1.0465	.80174	.53734

#1	.04991	10.176	.20795	.21002	.20999	.20476	10.444	.20821	.20672
#2	.05096	10.282	.20913	.20689	.20988	.20640	10.600	.20586	.20515

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21688	.20233	10.100	10.382	10.475	.20137	10.465	.20673	.20900
Stddev	.00095	.00033	.053	.048	.146	.00042	.003	.00026	.00167
%RSD	.43598	.16498	.52665	.46647	1.3962	.21002	.02976	.12599	.80103

#1	.21621	.20256	10.063	10.347	10.371	.20167	10.462	.20654	.21019
#2	.21755	.20209	10.138	10.416	10.578	.20108	10.467	.20691	.20782

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.325	.19906	.20509	-.0053	.20013	.19553	10.530	.19168	.21059
Stddev	.051	.00221	.00002	.0020	.00249	.00208	.086	.00174	.00018
%RSD	.49529	1.1119	.00806	37.10	1.2428	1.0644	.81357	.90936	.08693

#1	10.289	.20062	.20508	-.0039	.20189	.19700	10.470	.19292	.21046
#2	10.361	.19749	.20510	-.0067	.19837	.19406	10.591	.19045	.21072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19136	.20349	.20619	.23160
Stddev	.00004	.00220	.00057	.00020
%RSD	.01962	1.0802	.27689	.08627

#1	.19139	.20504	.20579	.23174
#2	.19134	.20193	.20659	.23146

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3513.6	5074.8	51388.	10037.
Stddev	12.5	22.7	60.	145.
%RSD	.35573	.44786	.11702	1.4478

#1	3504.8	5058.8	51345.	10140.
#2	3522.4	5090.9	51430.	9934.5

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05243	10.010	.20834	.20821	.21191	.19979	10.254	.20684	.20531
Stddev	.00042	.335	.00120	.00135	.00006	.00710	.382	.00022	.00020
%RSD	.80442	3.3461	.57796	.64604	.02836	3.5534	3.7276	.10803	.09905

#1	.05213	9.7727	.20919	.20916	.21187	.19477	9.9837	.20700	.20545
#2	.05273	10.246	.20749	.20726	.21195	.20481	10.524	.20668	.20517

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21653	.20346	9.8518	10.080	10.312	.19536	10.513	.20692	.20761
Stddev	.00075	.00051	.3281	.369	.408	.00778	.001	.00073	.00103
%RSD	.34787	.25091	3.3308	3.6598	3.9603	3.9843	.01028	.35124	.49729

#1	.21600	.20383	9.6197	9.8193	10.024	.18986	10.514	.20640	.20834
#2	.21706	.20310	10.084	10.341	10.601	.20086	10.512	.20743	.20688

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.064	.19822	.20279	-.0058	.20073	.19773	10.299	.19106	.20506
Stddev	.335	.00063	.00002	.0014	.00173	.00192	.372	.00115	.00661
%RSD	3.3313	.31996	.01145	24.13	.86113	.97288	3.6168	.60126	3.2215

#1	9.8266	.19867	.20277	-.0068	.20196	.19637	10.036	.19187	.20039
#2	10.301	.19777	.20280	-.0048	.19951	.19909	10.562	.19024	.20973

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19325	.20409	.20646	.23092
Stddev	.00070	.00006	.00004	.00014
%RSD	.36159	.02903	.01964	.05991

#1	.19276	.20404	.20643	.23082
#2	.19375	.20413	.20649	.23101

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3533.2	5095.6	51526.	10237.
Stddev	5.8	12.4	19.	346.
%RSD	.16526	.24377	.03661	3.3781

#1	3529.1	5086.8	51512.	10482.
#2	3537.4	5104.3	51539.	9992.8

Sample Name: 480-28110-F-1-A Acquired: 11/12/2012 21:42:49 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0113	.10255	.00299	2.5394	.28307	.00006	85.628	.00016	.00122
Stddev	.00178	.00604	.00155	.0030	.00143	.00007	.751	.00011	.00005
%RSD	156.88	5.8875	51.848	.11838	.50536	116.84	.87747	70.224	4.4952

#1	.00012	.09828	.00189	2.5416	.28409	.00001	85.097	.00024	.00118
#2	-.00239	.10682	.00409	2.5373	.28206	.00010	86.160	.00008	.00126

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00149	.00575	.01360	121.49	100.78	.10421	81.138	.20778	.00179
Stddev	.00014	.00043	.00165	.81	.76	.00003	.507	.00140	.00020
%RSD	9.5712	7.4266	12.170	.67031	.75074	.03340	.62473	.67601	11.112

#1	.00159	.00605	.01243	120.91	101.32	.10424	81.497	.20877	.00165
#2	.00139	.00545	.01477	122.07	100.25	.10419	80.780	.20678	.00193

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	176.95	.01027	.00189	F 13.76	-0.00019	.00174	9.3610	-0.0002	1.2017
Stddev	1.09	.00073	.00060	.04	.00028	.00154	.0724	.00080	.0082
%RSD	.61539	7.0672	31.767	.3168	146.55	88.950	.77369	5192.9	.68439

#1	176.18	.00975	.00232	13.73	.00001	.00064	9.3098	-.00058	1.1959
#2	177.72	.01078	.00147	13.79	-.00038	.00283	9.4122	.00055	1.2076

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00096	.00114	.00052	.01593
Stddev	.00047	.00176	.00126	.00013
%RSD	49.623	154.10	240.61	.83774

#1	.00129	.00239	.00141	.01602
#2	.00062	-.00010	-.00037	.01583

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3148.4	4811.0	47411.	9854.4
Stddev	.2	.2	14.	63.5
%RSD	.00736	.00364	.02944	.64418

#1	3148.2	4811.2	47421.	9899.3
#2	3148.5	4810.9	47401.	9809.5

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0094	.09612	.00143	2.6205	.28564	-0.0008	87.229	.00021	.00136
Stddev	.00070	.00099	.00084	.0162	.00038	.00002	.128	.00003	.00020
%RSD	74.006	1.0340	58.738	.61940	.13343	26.573	.14719	14.994	14.576

#1	-.00045	.09542	.00084	2.6319	.28537	-.00009	87.320	.00024	.00122
#2	-.00143	.09682	.00202	2.6090	.28591	-.00006	87.138	.00019	.00150

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00144	.03232	.01713	121.10	98.731	.10421	81.914	.22689	.00178
Stddev	.00000	.00004	.00062	.02	.698	.00160	.102	.00097	.00026
%RSD	.21143	.13447	3.6258	.01973	.70724	1.5362	.12510	.42806	14.823

#1	.00143	.03229	.01669	121.11	98.237	.10534	81.986	.22758	.00197
#2	.00144	.03235	.01757	121.08	99.225	.10308	81.841	.22620	.00159

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	177.22	.01005	.00388	F 13.95	-0.00019	-0.00152	9.3248	.00066	1.2410
Stddev	.48	.00092	.00034	.05	.00052	.00625	.0364	.00022	.0004
%RSD	.27066	9.1404	8.8040	.3313	269.65	410.81	.38978	33.082	.03061

#1	177.55	.00940	.00413	13.98	.00018	-.00594	9.3505	.00082	1.2412
#2	176.88	.01070	.00364	13.91	-.00056	.00290	9.2991	.00051	1.2407

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00137	.00101	.00031	.00454
Stddev	.00086	.00122	.00038	.00034
%RSD	62.990	121.36	120.10	7.5125

#1	.00198	.00014	.00005	.00478
#2	.00076	.00187	.00058	.00430

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3127.8	4766.3	47618.	9835.6
Stddev	30.2	39.0	20.	11.9
%RSD	.96571	.81785	.04104	.12051

#1	3106.5	4738.7	47604.	9844.0
#2	3149.2	4793.8	47631.	9827.2

Sample Name: 480-28110-E-3-A Acquired: 11/12/2012 21:47:32 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0078	.95248	.00388	2.6370	.52795	.00000	114.90	-0.0013	.00131
Stddev	.00015	.00665	.00109	.0135	.00489	.00002	1.16	.00009	.00008
%RSD	19.469	.69868	28.086	.51231	.92669	595.08	1.0136	71.171	5.9395

#1	-.00067	.94777	.00465	2.6465	.53141	-.00001	115.73	-.00006	.00125
#2	-.00089	.95718	.00311	2.6274	.52449	.00002	114.08	-.00019	.00136

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00184	.14274	12.003	124.69	98.551	.10842	83.161	.48185	.00141
Stddev	.00017	.00048	.097	.89	2.163	.00051	.501	.00208	.00006
%RSD	9.0977	.33960	.80652	.71315	2.1945	.46616	.60278	.43083	4.4053

#1	.00172	.14240	12.072	125.32	97.021	.10878	82.807	.48038	.00137
#2	.00196	.14308	11.935	124.06	100.08	.10806	83.516	.48332	.00146

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	183.13	.01068	.00829	F 13.47	-0.0019	-0.00170	10.692	.00402	1.4707
Stddev	.71	.00023	.00108	.09	.00138	.00304	.140	.00056	.0107
%RSD	.38858	2.1724	12.991	.6316	724.68	179.61	1.3119	14.025	.72927

#1	183.63	.01085	.00753	13.53	.00078	-.00385	10.792	.00362	1.4783
#2	182.62	.01052	.00906	13.41	-.00116	.00046	10.593	.00442	1.4631

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00440	-.00176	.00128	.03182
Stddev	.00021	.00108	.00016	.00072
%RSD	4.8032	61.602	12.811	2.2507

#1	.00455	-.00253	.00140	.03131
#2	.00425	-.00099	.00117	.03232

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3127.7	4792.3	46903.	9645.3
Stddev	13.0	20.6	286.	62.3
%RSD	.41450	.42979	.60971	.64615

#1	3118.5	4777.7	47105.	9601.2
#2	3136.8	4806.8	46701.	9689.4

Sample Name: 480-28115-E-1-A Acquired: 11/12/2012 21:49:50 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0139	3.0562	.00156	.05473	.07096	.00010	15.417	.00047	.00257
Stddev	.00090	.0120	.00017	.00123	.00031	.00001	.019	.00011	.00001
%RSD	64.694	.39090	11.050	2.2438	.43756	15.270	.12050	22.690	.49280

#1	-.00076	3.0647	.00169	.05559	.07074	.00009	15.430	.00054	.00256
#2	-.00203	3.0478	.00144	.05386	.07118	.00011	15.404	.00039	.00258

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00689	.04219	4.0735	6.6110	6.6939	.00358	4.7452	.17636	.00519
Stddev	.00036	.00008	.0380	.0206	.0694	.00004	.0133	.00054	.00008
%RSD	5.2649	.20099	.93368	.31149	1.0372	1.0470	.27947	.30508	1.5382

#1	.00715	.04213	4.1004	6.6255	6.6448	.00360	4.7546	.17674	.00525
#2	.00663	.04225	4.0466	6.5964	6.7430	.00355	4.7358	.17598	.00514

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	33.189	.00854	.01312	4.312	.00332	-.00170	5.7206	.00102	.06810
Stddev	.092	.00042	.00061	.010	.00042	.00500	.0198	.00039	.00032
%RSD	.27719	4.8822	4.6652	.2234	12.771	294.33	.34613	38.251	.46429

#1	33.254	.00884	.01268	4.319	.00302	.00184	5.7346	.00075	.06833
#2	33.124	.00825	.01355	4.305	.00362	-.00524	5.7066	.00130	.06788

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.16020	-.00068	.01299	.25785
Stddev	.00273	.00033	.00016	.00001
%RSD	1.7045	47.858	1.2506	.00336

#1	.15827	-.00045	.01311	.25786
#2	.16213	-.00091	.01288	.25785

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3547.9	5136.9	51937.	10132.
Stddev	6.7	7.6	185.	15.
%RSD	.18765	.14768	.35592	.14917

#1	3552.6	5142.3	51807.	10142.
#2	3543.2	5131.6	52068.	10121.

Sample Name: CCV Acquired: 11/12/2012 21:51:54 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51572	25.393	.50785	.51182	.51431	.49909	26.062	.50851	.49771	.52585	.49853	24.679	26.143
Stddev	.00222	.176	.00139	.00203	.00168	.00254	.110	.00059	.00124	.00257	.00064	.108	.143
%RSD	.43067	.69412	.27378	.39613	.32734	.50862	.42263	.11511	.25013	.48884	.12762	.43721	.54618

#1	.51415	25.268	.50687	.51038	.51312	.49730	25.984	.50810	.49683	.52403	.49808	24.602	26.042
#2	.51729	25.517	.50884	.51325	.51550	.50089	26.140	.50893	.49859	.52766	.49898	24.755	26.244

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.864	.50118	25.261	.51223	.50630	25.769	.49570	.50902	23.69	.49618	.50023	26.030	.49025
Stddev	.342	.00402	.046	.00062	.00111	.071	.00038	.00033	.05	.00152	.00059	.160	.00179
%RSD	1.2740	.80162	.18072	.12045	.21847	.27737	.07595	.06396	.2031	.30655	.11801	.61617	.36426

#1	26.622	.49834	25.293	.51266	.50552	25.718	.49543	.50879	23.66	.49726	.49981	25.916	.48898
#2	27.106	.50402	25.229	.51179	.50708	25.820	.49597	.50925	23.73	.49511	.50064	26.143	.49151

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.51867	.49396	.51987	.52005	.54276
Stddev	.00281	.00196	.00042	.00089	.00123
%RSD	.54102	.39675	.08094	.17078	.22603

#1	.51668	.49258	.52017	.51943	.54363
#2	.52065	.49535	.51957	.52068	.54190

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3423.6	5074.8	50373.	9764.9
Stddev	5.0	5.9	98.	63.4
%RSD	.14685	.11565	.19404	.64930

#1	3427.1	5078.9	50304.	9809.7
#2	3420.0	5070.6	50442.	9720.1

Sample Name: CCB Acquired: 11/12/2012 21:53:58 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0126	.00848	-0.0169	.00440	.00001	-0.00003	.00423	.00017	.00013	-0.00005	.00057	.00225	.22086
Stddev	.00017	.00422	.00122	.00044	.00000	.00007	.00345	.00013	.00019	.00079	.00007	.00078	.00638
%RSD	13.231	49.742	71.780	10.032	46.790	209.88	81.592	76.837	147.36	1702.8	12.511	34.884	2.8881

#1	-0.0137	.01146	-0.0083	.00409	.00001	-0.00008	.00179	.00008	.00027	-0.00060	.00063	.00170	.22537
#2	-0.0114	.00550	-0.00255	.00471	.00001	.00002	.00667	.00026	-0.00001	.00051	.00052	.00281	.21635

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00530	.00042	.00328	.00004	.00023	.04795	.00000	.00120	F .0034	-0.00113	-0.00475	.01746	-0.00042
Stddev	.00021	.00023	.00126	.00001	.00011	.01031	.0003	.00224	.0029	.00146	.00055	.00706	.00004
%RSD	3.8652	54.338	38.291	39.427	47.729	21.510	11434.	186.74	82.99	129.88	11.623	40.420	10.032

#1	.00545	.00058	.00240	.00003	.00015	.04066	.00022	.00279	.0014	-0.00009	-0.00514	.01247	-0.00045
#2	.00516	.00026	.00417	.00005	.00030	.05524	-0.00022	-0.00039	.0055	-0.00216	-0.00436	.02245	-0.00039

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00005	.00006	.00063	-0.00031	-0.00002
Stddev	.00003	.00012	.00140	.00038	.00032
%RSD	63.312	213.67	221.11	123.82	1878.0

#1	-0.00007	-0.00003	-0.00036	-0.00004	.00021
#2	-0.00003	.00014	.00162	-0.00057	-0.00024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3706.4	5193.8	52923.	10066.
Stddev	8.1	12.2	238.	10.
%RSD	.21750	.23402	.44973	.09576

#1	3700.7	5185.2	52755.	10073.
#2	3712.1	5202.4	53091.	10059.

Sample Name: 480-28115-E-2-A Acquired: 11/12/2012 21:56:08 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0177	3.3093	.00283	.07018	.08939	.00015	31.685	.00196	.00316
Stddev	.00037	.0000	.00153	.00084	.00092	.00008	.002	.00003	.00019
%RSD	20.771	.00055	54.162	1.1934	1.0263	54.902	.00718	1.3345	5.9830
#1	-.00151	3.3093	.00392	.07077	.08874	.00021	31.683	.00194	.00330
#2	-.00203	3.3093	.00175	.06959	.09003	.00009	31.687	.00197	.00303

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00792	.04196	4.3686	12.293	15.158	.00447	12.748	.27591	.00594
Stddev	.00024	.00019	.0193	.016	.018	.00021	.119	.00142	.00016
%RSD	2.9718	.46394	.44248	.12837	.12141	4.7472	.92996	.51567	2.6119
#1	.00809	.04182	4.3822	12.282	15.171	.00462	12.664	.27490	.00605
#2	.00776	.04209	4.3549	12.304	15.145	.00432	12.832	.27691	.00583

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	83.518	.00610	.02032	F 11.67	.00348	-.00182	5.8094	.00153	.12831
Stddev	.128	.00087	.00009	.04	.00005	.00524	.0098	.00001	.00011
%RSD	.15269	14.263	.43310	.3781	1.5304	288.14	.16904	.90832	.08807
#1	83.427	.00549	.02038	11.70	.00352	-.00553	5.8024	.00152	.12823
#2	83.608	.00672	.02026	11.64	.00345	.00189	5.8163	.00154	.12839

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit 10.00
 Low Limit -.0100

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.18471	-.00085	.01302	.31527
Stddev	.00183	.00083	.00021	.00198
%RSD	.99236	97.046	1.6381	.62903
#1	.18341	-.00144	.01287	.31387
#2	.18601	-.00027	.01317	.31667

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3382.6	5005.8	49930.	10003.
Stddev	1.8	9.5	200.	2.
%RSD	.05309	.18948	.40123	.01719
#1	3383.9	4999.1	50071.	10002.
#2	3381.4	5012.5	49788.	10004.

Sample Name: 480-28115-E-3-A Acquired: 11/12/2012 21:58:17 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0108	.56936	.00107	.10520	.06273	.00005	29.351	.00042	.00101
Stddev	.00038	.00063	.00100	.00088	.00028	.00007	.160	.00013	.00023
%RSD	34.832	.11054	93.446	.84090	.44293	133.55	.54449	29.565	23.068

#1	-.00081	.56892	.00177	.10583	.06253	.00000	29.464	.00034	.00085
#2	-.00135	.56981	.00036	.10458	.06293	.00009	29.238	.00051	.00118

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00172	.01355	1.8639	11.794	15.755	.00144	18.548	.78521	.00516
Stddev	.00021	.00035	.0089	.049	.000	.00012	.021	.00240	.00004
%RSD	12.388	2.5948	.48011	.41363	.00024	8.2101	.11477	.30523	.74162

#1	.00157	.01330	1.8702	11.829	15.755	.00136	18.563	.78690	.00513
#2	.00187	.01380	1.8576	11.760	15.755	.00152	18.533	.78351	.00519

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	142.44	.00323	.00728	F 12.16	.00049	-.00216	3.3494	.00045	.15547
Stddev	.39	.00006	.00118	.11	.00201	.00066	.0041	.00056	.00035
%RSD	.27254	1.9803	16.241	.8894	410.43	30.788	.12266	124.03	.22272

#1	142.72	.00328	.00644	12.23	-.00093	-.00263	3.3523	.00006	.15571
#2	142.17	.00319	.00811	12.08	.00191	-.00169	3.3464	.00085	.15522

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.07098	-.00059	.00281	.12810
Stddev	.00275	.00169	.00002	.00074
%RSD	3.8735	284.84	.55746	.57693

#1	.07292	-.00179	.00282	.12757
#2	.06903	.00060	.00280	.12862

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3360.2	5008.9	49222.	9837.7
Stddev	9.7	11.1	184.	103.5
%RSD	.28783	.22086	.37368	1.0517

#1	3353.3	5001.1	49352.	9764.6
#2	3367.0	5016.7	49091.	9910.9

Sample Name: 480-28115-E-5-A Acquired: 11/12/2012 22:00:38 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0132	.04225	.00078	.04256	.01328	-0.0005	18.976	.00021	.00003
Stddev	.00012	.00949	.00245	.00034	.00005	.00004	.009	.00002	.00006
%RSD	8.7924	22.468	312.88	.79310	.38613	81.352	.04865	7.5213	215.57

#1	-.00140	.04896	-.00095	.04232	.01324	-.00008	18.983	.00019	.00006
#2	-.00124	.03553	.00252	.04280	.01331	-.00002	18.970	.00022	-.00001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00105	.07714	1.2729	1.3102	.00084	3.6555	.03193	.00015
Stddev	.00009	.00026	.00149	.0092	.0029	.00067	.0014	.00001	.00020
%RSD	40.176	24.726	1.9271	.72656	.21730	79.327	.03824	.02941	138.36

#1	.00017	.00087	.07819	1.2795	1.3122	.00131	3.6545	.03193	.00029
#2	.00030	.00124	.07609	1.2664	1.3082	.00037	3.6565	.03194	.00000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	41.754	.00035	.00095	4.259	-0.0006	.00019	2.8804	.00033	.07787
Stddev	.006	.00004	.00108	.017	.00006	.00086	.0347	.00009	.00005
%RSD	.01556	10.217	113.69	.3896	94.082	452.11	1.2031	28.564	.06464

#1	41.749	.00032	.00172	4.271	-.00010	.00079	2.9049	.00026	.07791
#2	41.758	.00037	.00019	4.248	-.00002	-.00042	2.8559	.00039	.07784

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00070	-.00022	-.00025	1.0540
Stddev	.00025	.00060	.00040	.0000
%RSD	35.684	276.82	160.00	.00247

#1	.00087	.00021	-.00054	1.0540
#2	.00052	-.00064	.00003	1.0540

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3527.2	5066.5	50856.	9903.6
Stddev	24.7	21.6	36.	21.0
%RSD	.69938	.42694	.07024	.21248

#1	3509.8	5051.2	50830.	9888.7
#2	3544.7	5081.8	50881.	9918.5

Sample Name: 480-28121-D-1-A Acquired: 11/12/2012 22:02:51 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0081	.04228	.12340	6.1761	.94748	-0.0004	258.25	.00021	.00600
Stddev	.00034	.00147	.00240	.0259	.00166	.00002	.25	.00016	.00009
%RSD	42.046	3.4828	1.9425	.41868	.17490	36.565	.09508	74.608	1.4981

#1	-.00057	.04124	.12171	6.1944	.94630	-.00006	258.07	.00032	.00606
#2	-.00105	.04333	.12510	6.1579	.94865	-.00003	258.42	.00010	.00593

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00724	.00215	1.5635	41.192	61.325	.04089	71.241	3.1461	.03063
Stddev	.00074	.00055	.0004	.158	1.058	.00029	.113	.0117	.00025
%RSD	10.165	25.377	.02437	.38248	1.7247	.70132	.15885	.37034	.82658

#1	.00776	.00254	1.5632	41.081	60.577	.04069	71.161	3.1378	.03081
#2	.00672	.00177	1.5638	41.303	62.072	.04110	71.321	3.1543	.03045

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	516.38	.03498	.00283	F 16.46	.00013	-.00013	14.189	.00089	1.2434
Stddev	1.12	.00015	.00084	.00	.00339	.00321	.082	.00078	.0034
%RSD	.21601	.42047	29.698	.0045	2691.1	2507.9	.58051	87.927	.27697

#1	515.59	.03508	.00224	16.46	.00253	.00214	14.131	.00144	1.2410
#2	517.17	.03488	.00342	16.46	-.00227	-.00240	14.247	.00034	1.2459

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00315	.00027	.00330	.00982
Stddev	.00018	.00057	.00032	.00001
%RSD	5.8187	215.49	9.7650	.05614

#1	.00302	.00067	.00307	.00981
#2	.00327	-.00014	.00352	.00982

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2937.9	4628.9	46149.	9747.6
Stddev	5.1	1.4	57.	60.5
%RSD	.17305	.03014	.12287	.62058

#1	2941.5	4629.9	46189.	9790.3
#2	2934.3	4627.9	46109.	9704.8

Sample Name: 480-28121-D-2-A Acquired: 11/12/2012 22:05:20 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0104	.04216	.09687	2.1620	.49369	.00005	108.15	.00012	.00245
Stddev	.00002	.02097	.00006	.0027	.00297	.00001	.60	.00002	.00007
%RSD	1.8269	49.730	.06326	.12698	.60221	11.421	.55155	19.463	2.8397

#1	-.00106	.05699	.09683	2.1640	.49159	.00004	107.72	.00010	.00240
#2	-.00103	.02734	.09691	2.1601	.49579	.00005	108.57	.00014	.00249

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00597	.00455	8.1304	39.984	60.483	.03459	55.554	.39980	.00346
Stddev	.00041	.00022	.0176	.137	.755	.00013	.341	.00207	.00030
%RSD	6.8971	4.8500	.21586	.34238	1.2475	.39008	.61468	.51810	8.7472

#1	.00626	.00471	8.1180	39.887	59.950	.03468	55.795	.40127	.00325
#2	.00568	.00440	8.1429	40.081	61.017	.03449	55.312	.39834	.00367

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	715.33	.02663	-.00010	4.248	-.00190	-.00183	21.645	.00115	.79708
Stddev	3.97	.00024	.00040	.002	.00120	.00618	.177	.00081	.00421
%RSD	.55548	.90864	412.61	.0385	62.898	336.83	.81637	70.498	.52843

#1	712.52	.02680	.00018	4.247	-.00106	.00254	21.520	.00058	.79410
#2	718.14	.02646	-.00038	4.249	-.00275	-.00621	21.770	.00172	.80006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00075	.00047	.00072	.01276
Stddev	.00004	.00103	.00012	.00036
%RSD	5.3066	219.37	16.172	2.8321

#1	.00072	.00120	.00064	.01250
#2	.00077	-.00026	.00081	.01301

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2933.0	4674.4	45423.	9823.0
Stddev	8.2	11.4	348.	20.1
%RSD	.28020	.24410	.76507	.20458

#1	2927.2	4666.4	45177.	9837.2
#2	2938.8	4682.5	45669.	9808.8

Sample Name: 480-28121-D-3-A Acquired: 11/12/2012 22:07:34 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0091	.06402	.22557	F 20.101	.49840	.00001	175.34	.00327	.06685
Stddev	.00016	.00188	.00042	.077	.00204	.00010	.87	.00021	.00048
%RSD	17.328	2.9343	.18731	.38463	.40946	882.03	.49666	6.5206	.72416

#1	-.00080	.06535	.22527	20.047	.49985	.00008	175.95	.00342	.06651
#2	-.00103	.06269	.22586	20.156	.49696	-.00006	174.72	.00312	.06719

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				20.000					
Low Limit				-.02000					

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08917	.30336	1.2299	319.85	^ *****	.81127	48.567	1.2702	.10858
Stddev	.00089	.00216	.0022	2.04	----	.00119	.039	.0039	.00019
%RSD	1.0020	.71124	.17991	.63692	----	.14705	.07997	.30327	.17406

#1	.08854	.30184	1.2283	321.29	^ ----	.81212	48.595	1.2730	.10845
#2	.08980	.30489	1.2314	318.41	^ ----	.81043	48.540	1.2675	.10872

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2103.4	.26154	.03025	F 77.76	.01328	.00376	22.068	.01482	1.6561
Stddev	4.6	.00118	.00257	.02	.00015	.00515	.039	.00110	.0022
%RSD	.21652	.45177	8.4809	.0302	1.1290	136.86	.17592	7.4404	.12968

#1	2100.1	.26071	.03207	77.74	.01339	.00012	22.096	.01560	1.6576
#2	2106.6	.26238	.02844	77.78	.01318	.00740	22.041	.01404	1.6546

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.02248	-.00070	.02029	.16944
Stddev	.00028	.00273	.00030	.00032
%RSD	1.2626	390.74	1.4835	.18998

#1	.02228	-.00263	.02008	.16921
#2	.02268	.00123	.02050	.16967

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2588.1	4377.9	42404.	9453.5
Stddev	9.9	13.1	93.	22.6
%RSD	.38134	.29920	.22040	.23923

#1	2595.1	4387.1	42470.	9437.5
#2	2581.1	4368.6	42338.	9469.5

Sample Name: 480-28121-D-4-A Acquired: 11/12/2012 22:09:47 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0113	.02648	.11299	3.0534	.68656	.00002	198.19	.00013	.00380
Stddev	.00096	.00644	.00020	.0065	.01213	.00005	3.62	.00004	.00015
%RSD	85.340	24.330	.17667	.21421	1.7661	228.10	1.8288	28.721	4.0002

#1	-.00045	.02193	.11285	3.0488	.67798	-.00001	195.63	.00016	.00369
#2	-.00181	.03104	.11313	3.0580	.69513	.00005	200.76	.00011	.00390

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01329	.00196	10.241	56.706	60.938	.09567	53.767	3.0279	.00226
Stddev	.00002	.00012	.190	1.042	1.390	.00118	.362	.0237	.00031
%RSD	.12939	6.2730	1.8530	1.8376	2.2804	1.2339	.67314	.78121	13.909

#1	.01331	.00188	10.107	55.969	59.955	.09484	54.023	3.0446	.00203
#2	.01328	.00205	10.375	57.443	61.921	.09651	53.511	3.0112	.00248

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	215.90	.01654	.00206	6.228	.00058	.00118	22.615	.00022	1.2667
Stddev	3.70	.00050	.00042	.011	.00097	.00002	.379	.00022	.0203
%RSD	1.7119	3.0282	20.451	.1782	167.01	2.0118	1.6767	100.49	1.5996

#1	213.29	.01619	.00176	6.220	-.00011	.00116	22.347	.00006	1.2524
#2	218.51	.01690	.00236	6.236	.00127	.00120	22.883	.00038	1.2811

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00800	.00161	.00434	.01570
Stddev	.00017	.00100	.00044	.00005
%RSD	2.1462	62.309	10.147	.32918

#1	.00812	.00232	.00465	.01567
#2	.00788	.00090	.00403	.01574

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3100.1	4768.5	47400.	9894.7
Stddev	1.5	7.5	419.	124.1
%RSD	.04822	.15707	.88452	1.2540

#1	3101.1	4773.8	47103.	9982.4
#2	3099.0	4763.2	47696.	9806.9

Sample Name: 480-28120-D-1-A Acquired: 11/12/2012 22:12:06 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0071	.10643	.00997	.14685	.12142	-0.0003	63.588	.00017	.00038
Stddev	.00027	.00658	.00098	.06091	.00060	.00006	.496	.00009	.00010
%RSD	38.771	6.1813	9.8183	41.476	.49803	171.85	.78068	51.483	25.776

#1	-.00090	.11109	.01066	.18991	.12185	-.00008	63.939	.00024	.00045
#2	-.00051	.10178	.00928	.10378	.12100	.00001	63.237	.00011	.00031

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00145	.00028	.16228	2.8685	2.1707	.01563	18.843	.15488	.00229
Stddev	.00001	.00021	.00332	.0998	.0434	.00058	.020	.00028	.00025
%RSD	.66514	74.389	2.0435	3.4808	1.9968	3.7282	.10793	.18106	10.822

#1	.00146	.00042	.16462	2.9391	2.2014	.01522	18.858	.15468	.00246
#2	.00145	.00013	.15993	2.7979	2.1401	.01604	18.829	.15508	.00211

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.3998	.00117	.00270	9.206	-0.00025	-0.00058	7.9577	-0.00035	.24279
Stddev	.0866	.00054	.00082	.100	.00043	.00204	.0617	.00075	.00172
%RSD	1.3527	45.835	30.386	1.086	174.20	348.94	.77528	215.37	.70699

#1	6.4610	.00155	.00212	9.276	.00006	-.00202	8.0013	.00018	.24400
#2	6.3386	.00079	.00327	9.135	-.00055	.00086	7.9141	-.00088	.24158

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00098	.00070	-.00007	.00092
Stddev	.00026	.00163	.00006	.00071
%RSD	26.631	232.01	80.806	76.884

#1	.00117	.00185	-.00003	.00143
#2	.00080	-.00045	-.00011	.00042

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3461.8	5019.1	49804.	9891.5
Stddev	16.5	14.7	223.	104.4
%RSD	.47692	.29248	.44777	1.0554

#1	3450.1	5008.8	49962.	9817.7
#2	3473.5	5029.5	49646.	9965.3

Sample Name: 480-28120-D-2-A Acquired: 11/12/2012 22:14:12 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0081	.10972	.00547	.88542	.22399	.00009	7.5454	.00006	.00013
Stddev	.00069	.00995	.00071	.00134	.00231	.00001	.0166	.00007	.00019
%RSD	84.763	9.0674	13.076	.15080	1.0294	15.861	.21980	116.73	146.94

#1	-.00129	.10268	.00597	.88637	.22562	.00010	7.5571	.00010	.00026
#2	-.00032	.11675	.00496	.88448	.22236	.00008	7.5337	.00001	-.00001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00043	.00099	.15108	3.5955	4.6683	.02239	1.8836	.27938	.00086
Stddev	.00039	.00027	.00114	.0202	.0828	.00036	.0398	.00202	.00050
%RSD	89.461	27.529	.75722	.56273	1.7743	1.5983	2.1127	.72394	58.453

#1	.00016	.00080	.15189	3.6098	4.7269	.02214	1.9117	.28081	.00051
#2	.00070	.00118	.15027	3.5812	4.6097	.02264	1.8555	.27795	.00122

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	268.16	-0.0039	-0.0040	.0133	.00073	-0.00236	3.4746	.00031	.18575
Stddev	2.32	.00031	.00048	.0003	.00114	.00234	.0023	.00023	.00056
%RSD	.86517	80.597	120.71	1.988	156.58	99.070	.06743	72.786	.30381

#1	269.80	-.00060	-.00074	.0131	.00154	-.00401	3.4729	.00015	.18615
#2	266.51	-.00017	-.00006	.0135	-.00008	-.00071	3.4762	.00047	.18535

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00082	.00073	.00014	.00131
Stddev	.00013	.00107	.00043	.00036
%RSD	15.472	146.00	298.07	27.427

#1	.00091	-.00002	.00044	.00157
#2	.00073	.00149	-.00016	.00106

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3229.5	4895.9	48394.	9846.8
Stddev	10.6	9.3	353.	22.9
%RSD	.32945	.19005	.73029	.23227

#1	3237.1	4902.5	48144.	9863.0
#2	3222.0	4889.3	48643.	9830.7

Sample Name: 480-28102-D-1-A Acquired: 11/12/2012 22:16:25 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0124	.10303	.03214	6.0509	.96574	-0.0004	142.33	.00014	.05523
Stddev	.00053	.01712	.00180	.0190	.00967	.00004	1.60	.00011	.00012
%RSD	42.562	16.612	5.6040	.31445	1.0014	116.49	1.1263	81.003	.21976

#1	-.00161	.11513	.03341	6.0644	.97258	-.00006	143.46	.00022	.05532
#2	-.00087	.09093	.03087	6.0375	.95891	-.00001	141.20	.00006	.05515

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05350	.02490	2.1854	360.61	168.13	.03811	112.22	.49038	.00512
Stddev	.00100	.00003	.0245	5.60	1.38	.00071	1.21	.00323	.00017
%RSD	1.8672	.10642	1.1190	1.5539	.82043	1.8663	1.0750	.65883	3.3656

#1	.05279	.02488	2.2027	364.57	169.11	.03861	113.08	.48810	.00524
#2	.05421	.02492	2.1681	356.64	167.16	.03761	111.37	.49266	.00500

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1506.6	.20980	.00303	F 22.88	.00228	.00144	28.817	.00516	1.1640
Stddev	14.7	.00042	.00123	.08	.00072	.00200	.222	.00004	.0108
%RSD	.97419	.19899	40.637	.3463	31.580	138.95	.77113	.70289	.93077

#1	1517.0	.20950	.00390	22.94	.00278	.00286	28.974	.00513	1.1716
#2	1496.2	.21009	.00216	22.83	.00177	.00003	28.660	.00518	1.1563

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.03186	-.00290	.03673	.10784
Stddev	.00095	.00047	.00049	.00028
%RSD	2.9732	16.139	1.3367	.26037

#1	.03253	-.00324	.03708	.10804
#2	.03119	-.00257	.03639	.10764

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2696.4	4444.4	42539.	9531.6
Stddev	14.4	18.9	137.	109.3
%RSD	.53405	.42476	.32282	1.1464

#1	2686.3	4431.1	42636.	9454.3
#2	2706.6	4457.8	42441.	9608.9

Sample Name: CCV Acquired: 11/12/2012 22:19:05 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52190	25.583	.50464	.52722	.52101	.50093	26.247	.50843	.49717	.53372	.50865	24.678
Stddev	.00094	.081	.00185	.00231	.00315	.00055	.072	.00221	.00194	.00055	.00121	.029
%RSD	.18010	.31633	.36650	.43854	.60409	.10898	.27284	.43547	.39026	.10379	.23834	.11951

#1	.52257	25.526	.50594	.52886	.51879	.50054	26.197	.51000	.49854	.53411	.50951	24.657
#2	.52124	25.640	.50333	.52559	.52324	.50132	26.298	.50687	.49580	.53332	.50779	24.699

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range												

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.913	24.714	.50554	25.615	.51933	.50587	25.739	.49347	.50548	23.73	.49490	.49563
Stddev	.034	.166	.00066	.034	.00045	.00190	.077	.00251	.00329	.01	.00222	.00160
%RSD	.12624	.67217	.13087	.13324	.08609	.37498	.29858	.50862	.65002	.0605	.44839	.32189

#1	26.937	24.832	.50601	25.591	.51965	.50721	25.684	.49524	.50780	23.74	.49647	.49450
#2	26.889	24.597	.50508	25.639	.51901	.50453	25.793	.49169	.50315	23.72	.49333	.49676

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range												

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.175	.48985	.51935	.50302	.51499	.52491	.54311
Stddev	.347	.00095	.00212	.00019	.00295	.00107	.00105
%RSD	1.2303	.19323	.40735	.03783	.57340	.20473	.19259

#1	28.420	.49052	.51786	.50288	.51708	.52567	.54237
#2	27.930	.48918	.52085	.50315	.51290	.52415	.54385

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range	25.000 10.000%						

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3420.1	5067.7	49858.	9847.9
Stddev	12.1	22.7	8.	9.3
%RSD	.35483	.44728	.01682	.09461

#1	3411.5	5051.7	49853.	9854.5
#2	3428.7	5083.7	49864.	9841.3

Sample Name: CCB Acquired: 11/12/2012 22:21:26 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0058	.00456	.00062	.01525	.00007	.00002	.01037	.00005	-0.0021	-0.0005	.00050	.00092
Stddev	.00005	.02202	.00022	.00077	.00001	.00002	.00010	.00007	.00017	.00011	.00043	.00066
%RSD	8.8992	482.54	36.012	5.0487	10.369	86.943	.96967	135.95	78.325	206.39	86.123	71.532

#1	-0.0054	.02013	.00046	.01579	.00006	.00003	.01044	.00000	-0.0009	-0.0013	.00020	.00045
#2	-0.0062	-.01101	.00078	.01470	.00007	.00001	.01030	.00010	-0.0033	.00002	.00081	.00138

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F_74995	.01745	-0.0003	.00871	.00013	.00004	.42057	.00020	.00092	.0023	.00280	-0.00175
Stddev	.01170	.00105	.00113	.00344	.00002	.00004	.00321	.00041	.00020	.0046	.00021	.00229
%RSD	1.5600	6.0307	3699.2	39.485	14.144	97.288	.76426	201.35	21.442	195.9	7.5851	130.96

#1	.74168	.01820	-0.00083	.01114	.00015	.00007	.41829	.00049	.00106	.0055	.00265	-0.0013
#2	.75822	.01671	.00077	.00628	.00012	.00001	.42284	-0.0009	.00078	-0.0009	.00295	-0.00337

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.50000											
Low Limit	-.50000											

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11088	.00015	.00002	.00023	-0.00132	-0.00036	-0.00002
Stddev	.01296	.00019	.00001	.00039	.00008	.00098	.00002
%RSD	11.690	129.67	31.321	169.88	6.0386	275.90	117.00

#1	.12004	.00029	.00003	-0.00005	-0.00137	.00034	-0.00003
#2	.10171	.00001	.00002	.00050	-0.00126	-0.00105	.00000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3663.8	5131.4	52589.	9925.3
Stddev	46.1	67.0	125.	1.4
%RSD	1.2582	1.3053	.23853	.01427

#1	3631.2	5084.0	52678.	9926.3
#2	3696.4	5178.7	52500.	9924.3

Sample Name: 480-28102-D-2-B Acquired: 11/12/2012 22:23:46 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00086	.09440	.22576	13.934	.84888	.00002	36.389	.00014	.08452
Stddev	.00016	.01065	.00075	.039	.00514	.00006	.177	.00000	.00005
%RSD	18.044	11.277	.33430	.28072	.60503	359.13	.48722	.99615	.05413

#1	.00075	.08687	.22630	13.962	.85251	.00006	36.515	.00013	.08449
#2	.00097	.10193	.22523	13.906	.84525	-.00003	36.264	.00014	.08455

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25375	.02245	4.1060	508.44	^ *****	.02699	61.740	.06552	.01179
Stddev	.00019	.00050	.0067	4.40	----	.00042	.152	.00116	.00057
%RSD	.07546	2.2165	.16270	.86624	----	1.5509	.24637	1.7682	4.8274

#1	.25362	.02210	4.1013	511.55	^ ----	.02669	61.632	.06470	.01139
#2	.25389	.02280	4.1107	505.33	^ ----	.02728	61.847	.06634	.01220

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2491.5	.51025	.00474	F 34.76	.03143	.00121	29.824	.02558	.52569
Stddev	3.3	.00016	.00025	.02	.00110	.00444	.116	.00116	.00069
%RSD	.13376	.03207	5.3418	.0541	3.5121	366.03	.39009	4.5480	.13081

#1	2489.1	.51036	.00456	34.77	.03221	.00435	29.742	.02640	.52617
#2	2493.8	.51013	.00492	34.75	.03065	-.00192	29.907	.02475	.52520

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.52894	-.00441	.24989	.06712
Stddev	.00140	.00220	.00126	.00026
%RSD	.26502	49.800	.50436	.38850

#1	.52795	-.00286	.25078	.06694
#2	.52993	-.00597	.24900	.06731

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2578.3	4351.3	41256.	9497.9
Stddev	1.8	2.0	70.	56.6
%RSD	.07133	.04647	.17001	.59628

#1	2577.0	4352.7	41206.	9538.0
#2	2579.6	4349.8	41305.	9457.9

Sample Name: 480-28127-A-1-A Acquired: 11/12/2012 22:26:08 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0130	.21885	.00581	.30335	.01715	.00005	17.280	.00214	.00292
Stddev	.00042	.00336	.00281	.07990	.00005	.00004	.117	.00172	.00193
%RSD	32.524	1.5354	48.435	26.341	.28505	87.017	.67454	80.367	66.155

#1	-.00100	.21647	.00780	.35985	.01712	.00007	17.198	.00335	.00429
#2	-.00159	.22123	.00382	.24685	.01719	.00002	17.363	.00092	.00156

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00156	.07102	.93795	15.093	13.273	.00227	4.5263	.06695	.00273
Stddev	.00025	.00054	.00852	.208	.299	.00065	.0337	.00026	.00168
%RSD	16.260	.76585	.90864	1.3812	2.2560	28.768	.74406	.38965	61.308

#1	.00138	.07064	.93192	14.946	13.061	.00181	4.5501	.06713	.00392
#2	.00174	.07141	.94397	15.241	13.484	.00273	4.5025	.06676	.00155

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	58.939	.00681	.00639	8.018	.00208	-.00040	8.2928	.00372	.11633
Stddev	.590	.00452	.00322	.086	.00117	.00043	.0204	.00165	.00108
%RSD	1.0005	66.424	50.404	1.068	56.224	107.52	.24647	44.337	.93251

#1	58.522	.01001	.00867	8.078	.00125	-.00070	8.3072	.00489	.11557
#2	59.356	.00361	.00412	7.957	.00291	-.00010	8.2783	.00255	.11710

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00394	.00120	.00021	.11928
Stddev	.00066	.00291	.00056	.00140
%RSD	16.809	243.49	263.23	1.1744

#1	.00347	.00325	-.00018	.12027
#2	.00440	-.00086	.00061	.11829

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3458.8	5053.4	50297.	9808.8
Stddev	17.5	7.6	291.	21.6
%RSD	.50614	.15058	.57789	.22060

#1	3446.4	5048.0	50092.	9824.1
#2	3471.2	5058.7	50503.	9793.5

Sample Name: 480-28127-A-3-A Acquired: 11/12/2012 22:28:19 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0150	.07974	.00128	.19409	.00826	.00007	17.278	.00009	.00036
Stddev	.00001	.01951	.00188	.00146	.00014	.00000	.325	.00001	.00029
%RSD	.72511	24.461	146.84	.75301	1.7077	5.6327	1.8794	16.959	79.835

#1	-.00151	.06595	.00260	.19513	.00836	.00007	17.508	.00008	.00016
#2	-.00150	.09354	-.00005	.19306	.00816	.00007	17.049	.00010	.00056

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00074	.03602	.38162	13.872	13.867	.00287	4.3511	.07246	.00076
Stddev	.00033	.00025	.01510	.367	.348	.00084	.0197	.00032	.00011
%RSD	44.585	.70197	3.9557	2.6439	2.5074	29.308	.45251	.44510	14.070

#1	.00051	.03584	.39230	14.131	14.113	.00347	4.3650	.07269	.00068
#2	.00098	.03620	.37095	13.613	13.621	.00228	4.3372	.07224	.00084

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	54.391	.00185	.00330	7.473	-.00137	-.00366	7.8161	.00038	.11424
Stddev	1.036	.00032	.00001	.049	.00060	.00112	.1913	.00003	.00222
%RSD	1.9040	17.270	.36645	.6570	43.351	30.580	2.4477	9.1506	1.9467

#1	55.123	.00162	.00331	7.507	-.00095	-.00445	7.9513	.00040	.11581
#2	53.659	.00208	.00329	7.438	-.00180	-.00287	7.6808	.00036	.11267

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00152	-.00122	-.00018	.07604
Stddev	.00056	.00058	.00023	.00062
%RSD	36.732	47.576	126.63	.81318

#1	.00113	-.00163	-.00034	.07648
#2	.00192	-.00081	-.00002	.07560

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3516.6	5090.9	50334.	9957.3
Stddev	15.3	29.3	96.	196.6
%RSD	.43596	.57642	.19116	1.9748

#1	3505.7	5070.2	50266.	9818.2
#2	3527.4	5111.7	50402.	10096.

Sample Name: MB 480-90035/7-B Acquired: 11/12/2012 22:30:25 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0110	.02405	.00075	F .02223	.00008	-0.00007	.04649	.00009	.00008
Stddev	.00001	.00547	.00175	.00242	.00001	.00009	.00439	.00010	.00009
%RSD	1.1110	22.738	234.59	10.868	17.940	133.76	9.4519	115.92	109.49

#1	-0.0109	.02791	-0.0049	.02394	.00007	-0.0013	.04960	.00016	.00002
#2	-0.0111	.02018	.00198	.02052	.00009	.00000	.04338	.00002	.00015

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.02000					
Low Limit				-.00800					

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0031	.00023	.00185	F .81215	.00994	.00046	.00625	.00019	.00008
Stddev	.00000	.00043	.00111	.02995	.00001	.00013	.00283	.00003	.00021
%RSD	.87462	184.41	60.184	3.6882	.10656	27.574	45.253	14.875	260.96

#1	-0.0030	-0.0007	.00106	.83333	.00995	.00037	.00825	.00017	.00023
#2	-0.0031	.00054	.00263	.79097	.00993	.00055	.00425	.00021	-.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.50000					
Low Limit				-.50000					

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.46808	-0.0028	.00117	F .0329	-0.0016	-0.00276	.03895	.00000	.00018
Stddev	.03301	.00003	.00033	.0192	.00122	.00067	.00431	.0004	.00002
%RSD	7.0525	9.3540	28.078	58.23	775.14	24.326	11.079	8405.1	11.577

#1	.49142	-0.0030	.00094	.0465	-0.0102	-0.00324	.03589	-0.0026	.00020
#2	.44474	-0.0026	.00140	.0194	.00071	-0.00229	.04200	.00025	.00017

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0030					
Low Limit				-.0040					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	-0.0014	-0.00202	-0.00016	.00159
Stddev	.00031	.00034	.00030	.00028
%RSD	218.32	17.026	191.19	17.648

#1	-0.0036	-0.00227	.00006	.00179
#2	.00008	-0.00178	-.00037	.00140

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3701.6	5191.6	52570.	9892.0
Stddev	4.6	7.1	96.	31.6
%RSD	.12473	.13627	.18341	.31944

#1	3704.8	5196.6	52638.	9869.7
#2	3698.3	5186.6	52501.	9914.3

Sample Name: LCS 480-90035/8-B Acquired: 11/12/2012 22:32:30 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05258	10.296	.20720	.22011	.21170	.20550	10.513	.20689	.20552
Stddev	.00080	.057	.00220	.00091	.00054	.00123	.074	.00065	.00022
%RSD	1.5171	.54994	1.0611	.41501	.25339	.59923	.70130	.31245	.10910

#1	.05201	10.256	.20875	.22076	.21132	.20463	10.461	.20735	.20536
#2	.05314	10.336	.20564	.21947	.21208	.20637	10.566	.20643	.20568

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21680	.20464	10.088	10.802	10.450	.20232	10.516	.20612	.20789
Stddev	.00016	.00062	.063	.053	.082	.00165	.022	.00035	.00002
%RSD	.07264	.30235	.62643	.49068	.78768	.81359	.21191	.17146	.01161

#1	.21691	.20420	10.044	10.764	10.391	.20116	10.501	.20587	.20788
#2	.21669	.20508	10.133	10.839	10.508	.20349	10.532	.20637	.20791

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.418	.20016	.20675	F -.0005	.20159	.19363	10.639	.19328	.20800
Stddev	.029	.00048	.00086	.0027	.00068	.00293	.037	.00073	.00070
%RSD	.28046	.24082	.41831	516.4	.33657	1.5120	.34661	.37572	.33616

#1	10.397	.19982	.20736	-.0025	.20111	.19570	10.613	.19277	.20751
#2	10.438	.20050	.20613	.0014	.20206	.19156	10.665	.19379	.20850

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				11.50					
Low Limit				8.500					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19321	.20262	.20796	F .23127
Stddev	.00025	.00038	.00088	.00337
%RSD	.13044	.18603	.42468	1.4592

#1	.19303	.20236	.20733	.22888
#2	.19338	.20289	.20858	.23366

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				.23000
Low Limit				.17000

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3543.9	5118.1	51572.	9992.2
Stddev	4.0	14.5	274.	61.9
%RSD	.11358	.28409	.53141	.61940

#1	3541.0	5107.8	51765.	10036.
#2	3546.7	5128.4	51378.	9948.4

Sample Name: 480-28005-F-1-C Acquired: 11/12/2012 22:34:36 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0130	.02159	.01673	.17100	.11753	.00012	108.28	.00027	.00009
Stddev	.00022	.00564	.00105	.00177	.00106	.00005	.95	.00009	.00010
%RSD	17.126	26.105	6.2790	1.0367	.90067	41.884	.88141	32.230	114.00

#1	-.00146	.02557	.01599	.17225	.11678	.00015	108.95	.00033	.00002
#2	-.00114	.01760	.01747	.16974	.11828	.00008	107.60	.00021	.00016

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00110	.00059	3.2058	3.0491	3.3688	.00277	79.485	.00773	.00105
Stddev	.00021	.00001	.0143	.0148	.0160	.00020	.738	.00011	.00016
%RSD	19.461	1.0660	.44489	.48447	.47612	7.2605	.92817	1.4641	15.698

#1	.00095	.00059	3.2159	3.0596	3.3802	.00291	78.963	.00765	.00093
#2	.00125	.00060	3.1957	3.0387	3.3575	.00263	80.007	.00781	.00117

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	55.054	.00193	.00039	2.261	.00170	.00044	6.6603	.00004	2.0460
Stddev	.222	.00039	.00106	.010	.00036	.00124	.0640	.00023	.0197
%RSD	.40385	20.106	271.58	.4358	20.978	283.79	.96135	516.06	.96100

#1	55.211	.00220	-.00036	2.254	.00145	.00132	6.7056	.00021	2.0599
#2	54.897	.00166	.00114	2.268	.00195	-.00044	6.6150	-.00012	2.0321

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00097	.00022	.00036	.00121
Stddev	.00036	.00240	.00042	.00038
%RSD	36.696	1096.4	114.98	31.480

#1	.00072	.00192	.00007	.00148
#2	.00122	-.00148	.00066	.00094

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3279.7	4897.8	48782.	9925.3
Stddev	15.9	20.8	287.	108.1
%RSD	.48390	.42462	.58863	1.0889

#1	3290.9	4912.5	48985.	9848.9
#2	3268.5	4883.1	48579.	10002.

Sample Name: 480-28005-F-2-C Acquired: 11/12/2012 22:36:52 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0096	.05414	.01407	.46597	.26430	.00033	137.67	.00011	.00057
Stddev	.00054	.00820	.00177	.00027	.00300	.00015	1.22	.00011	.00019
%RSD	56.317	15.148	12.600	.05765	1.1337	44.943	.88457	93.737	33.434

#1	-.00135	.05994	.01281	.46616	.26642	.00043	136.81	.00004	.00070
#2	-.00058	.04834	.01532	.46578	.26218	.00023	138.53	.00019	.00043

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00182	.00109	7.0158	6.0257	7.9976	.00577	95.568	.02081	.00091
Stddev	.00011	.00014	.0689	.0350	.0017	.00019	.438	.00004	.00001
%RSD	5.8644	12.828	.98217	.58107	.02148	3.2709	.45788	.21217	.80066

#1	.00190	.00118	6.9671	6.0505	7.9988	.00590	95.877	.02084	.00092
#2	.00175	.00099	7.0646	6.0010	7.9964	.00564	95.258	.02078	.00091

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	135.65	.00747	.00156	.9180	.00192	-.00321	8.8181	.00007	2.0315
Stddev	.30	.00021	.00019	.0031	.00270	.00174	.0168	.00013	.0144
%RSD	.21961	2.8110	12.346	.3408	140.41	54.177	.19080	179.28	.71035

#1	135.44	.00762	.00142	.9158	.00001	-.00198	8.8062	.00016	2.0213
#2	135.86	.00732	.00169	.9202	.00383	-.00444	8.8300	-.00002	2.0417

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00141	-.00166	.00057	.00248
Stddev	.00007	.00133	.00028	.00009
%RSD	5.3312	79.905	48.730	3.6191

#1	.00135	-.00072	.00076	.00241
#2	.00146	-.00260	.00037	.00254

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3180.5	4835.4	48062.	9802.0
Stddev	11.4	12.2	286.	52.1
%RSD	.35953	.25311	.59608	.53146

#1	3188.6	4844.1	47859.	9838.9
#2	3172.5	4826.8	48265.	9765.2

Sample Name: 480-28005-F-3-C Acquired: 11/12/2012 22:39:05 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0153	.02873	.00326	.63283	.45183	-0.0004	153.66	.00018	.00119
Stddev	.00018	.01741	.00326	.00201	.00100	.00012	.26	.00014	.00009
%RSD	11.552	60.586	99.837	.31705	.22089	341.92	.16904	79.943	7.3932

#1	-.00140	.01642	.00557	.63425	.45254	.00005	153.48	.00008	.00126
#2	-.00165	.04104	.00096	.63141	.45112	-.00012	153.84	.00028	.00113

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00154	.00126	7.3842	9.5108	13.705	.00868	104.76	.03375	.00024
Stddev	.00034	.00038	.0004	.0325	.185	.00080	.73	.00037	.00026
%RSD	22.013	30.080	.00612	.34123	1.3488	9.2678	.70114	1.0861	108.69

#1	.00178	.00153	7.3845	9.4879	13.836	.00925	105.28	.03401	.00006
#2	.00130	.00099	7.3839	9.5338	13.575	.00811	104.24	.03349	.00043

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	169.85	.00835	.00155	1.106	.00108	-0.00128	10.536	.00055	1.8009
Stddev	.38	.00004	.00001	.001	.00011	.00221	.019	.00018	.0024
%RSD	.22308	.51081	.73058	.1181	9.8730	172.10	.17693	32.087	.13495

#1	170.12	.00838	.00154	1.107	.00115	-.00284	10.549	.00043	1.7992
#2	169.59	.00832	.00155	1.105	.00100	.00028	10.523	.00068	1.8026

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00083	.00076	.00067	.00097
Stddev	.00005	.00356	.00025	.00021
%RSD	6.0158	466.30	37.762	21.263

#1	.00087	.00328	.00085	.00082
#2	.00080	-.00176	.00049	.00111

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3153.1	4810.9	48225.	9996.3
Stddev	7.1	3.1	258.	14.4
%RSD	.22516	.06408	.53439	.14368

#1	3158.2	4813.1	48043.	10006.
#2	3148.1	4808.7	48408.	9986.1

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0097	.05083	.00086	.22368	.14075	.00002	98.475	.00012	.00010
Stddev	.00045	.01073	.00110	.00012	.00043	.00010	.518	.00005	.00003
%RSD	46.024	21.106	128.29	.05281	.30461	527.97	.52616	43.494	31.015

#1	-.00066	.05841	.00164	.22377	.14045	-.00005	98.108	.00008	.00012
#2	-.00129	.04324	.00008	.22360	.14106	.00009	98.841	.00016	.00008

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00101	.00063	.60715	3.1074	3.4570	.00737	60.837	.07198	.00056
Stddev	.00020	.00011	.01718	.0173	.0056	.00051	.022	.00002	.00012
%RSD	20.179	17.052	2.8297	.55785	.16077	6.9689	.03683	.02767	21.308

#1	.00087	.00071	.59500	3.0952	3.4609	.00701	60.852	.07200	.00065
#2	.00116	.00056	.61930	3.1197	3.4531	.00774	60.821	.07197	.00048

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	34.731	.00035	.00181	F 26.49	-0.0063	-0.00054	9.4550	-0.00116	1.9048
Stddev	.223	.00008	.00009	.08	.00027	.00057	.0366	.00031	.0015
%RSD	.64312	21.858	5.1294	.3192	42.283	105.11	.38737	26.544	.07666

#1	34.573	.00030	.00175	26.55	-.00082	-.00014	9.4291	-.00137	1.9038
#2	34.889	.00041	.00188	26.43	-.00044	-.00094	9.4809	-.00094	1.9059

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00172	-0.00014	.00051	.00116
Stddev	.00043	.00003	.00049	.00042
%RSD	24.969	22.798	96.941	36.381

#1	.00142	-.00012	.00016	.00086
#2	.00203	-.00016	.00085	.00146

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3326.5	4920.5	49590.	9856.0
Stddev	4.1	3.4	134.	68.0
%RSD	.12371	.06873	.26986	.68996

#1	3329.4	4922.9	49685.	9904.1
#2	3323.6	4918.1	49495.	9808.0

Sample Name: 480-28005-F-5-C Acquired: 11/12/2012 22:43:24 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0197	.05559	.00100	.11466	.08081	-0.0004	198.18	.00030	-0.0010
Stddev	.00022	.01301	.00019	.00220	.00019	.00008	2.32	.00013	.00002
%RSD	11.245	23.406	18.616	1.9178	.24032	194.97	1.1711	42.971	17.799

#1	-.00181	.06479	.00086	.11622	.08067	.00002	199.82	.00039	-.00009
#2	-.00212	.04639	.00113	.11311	.08095	-.00010	196.54	.00021	-.00012

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00175	.00062	.38922	3.1850	3.8750	.00620	109.11	.81261	.00044
Stddev	.00002	.00058	.00667	.0379	.0788	.00019	.03	.00028	.00023
%RSD	1.1410	92.397	1.7145	1.1912	2.0345	3.1254	.02863	.03392	51.751

#1	.00177	.00103	.39394	3.2118	3.9307	.00607	109.13	.81281	.00061
#2	.00174	.00022	.38450	3.1581	3.8192	.00634	109.09	.81242	.00028

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.100	.00034	.00327	F 170.6	-0.00209	-0.00231	10.100	-0.00044	.97517
Stddev	.122	.00016	.00115	3.1	.00057	.00177	.084	.00084	.00818
%RSD	.67339	46.177	35.345	1.792	27.402	76.628	.83602	190.37	.83903

#1	18.186	.00023	.00245	172.7	-.00169	-.00106	10.160	-.00103	.98096
#2	18.014	.00045	.00408	168.4	-.00250	-.00357	10.040	.00015	.96939

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00230	-.00112	.00063	.00166
Stddev	.00067	.00236	.00012	.00013
%RSD	29.252	211.22	19.757	7.9375

#1	.00278	-.00279	.00072	.00175
#2	.00183	.00055	.00054	.00157

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3251.9	4829.0	48853.	9678.6
Stddev	24.4	45.7	164.	188.8
%RSD	.75091	.94732	.33563	1.9508

#1	3234.7	4796.6	48969.	9545.1
#2	3269.2	4861.3	48738.	9812.1

Sample Name: CCV Acquired: 11/12/2012 22:45:28 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51746	25.228	.51117	.50995	.50827	.49852	26.054	.50944	.49944	.53155	.50330	24.640
Stddev	.00431	.159	.00018	.00244	.00299	.00426	.072	.00109	.00131	.00698	.00526	.149
%RSD	.83376	.63166	.03487	.47791	.58787	.85458	.27781	.21433	.26183	1.3134	1.0443	.60283

#1	.52051	25.341	.51130	.50822	.51038	.50153	26.105	.50867	.49852	.53649	.50701	24.745
#2	.51440	25.116	.51104	.51167	.50616	.49551	26.003	.51021	.50036	.52661	.49958	24.535

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range												

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.059	F 28.049	.49801	25.747	.52178	.50652	25.622	.49789	.51173	23.83	.49826	.49529
Stddev	.034	.421	.00246	.317	.00514	.00219	.110	.00159	.00123	.17	.00453	.00494
%RSD	.13012	1.5000	.49317	1.2315	.98547	.43241	.42900	.31993	.24102	.7299	.91011	.99718

#1	26.083	28.347	.49975	25.971	.52541	.50497	25.700	.49677	.51086	23.71	.49505	.49180
#2	26.035	27.752	.49627	25.522	.51814	.50807	25.545	.49902	.51260	23.96	.50146	.49878

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range		25.000 10.000%										

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.800	.49609	.51506	.50339	.51830	.52165	.54760
Stddev	.119	.00174	.00137	.00633	.00005	.00724	.00808
%RSD	.46188	.35110	.26672	1.2580	.00878	1.3880	1.4753

#1	25.884	.49486	.51603	.50787	.51833	.52677	.55331
#2	25.715	.49732	.51409	.49892	.51826	.51653	.54188

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range							

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3407.8	5060.3	50043.	9667.1
Stddev	11.8	20.3	497.	57.7
%RSD	.34574	.40207	.99407	.59659

#1	3399.5	5045.9	49692.	9626.3
#2	3416.2	5074.6	50395.	9707.9

Sample Name: CCB Acquired: 11/12/2012 22:47:33 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0080	.00919	.00000	.00509	.00009	.00006	.00960	.00003	-0.0005	-0.0002	-0.0036	.00498	.27412
Stddev	.00023	.03275	.0026	.00011	.00012	.00011	.00406	.00010	.00007	.00034	.00044	.00361	.01562
%RSD	28.771	356.23	64174.	2.2565	123.76	188.71	42.289	322.43	121.76	2050.7	122.62	72.602	5.6977

#1	-0.0096	-0.1397	-0.00183	.00517	.00001	.00013	.00673	.00010	-0.0001	-0.0025	-0.0067	.00242	.26308
#2	-0.0063	.03235	.00182	.00500	.00018	-0.0002	.01248	-0.0004	-0.0010	.00022	-0.0005	.00754	.28517

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00817	-0.0043	.01143	.00016	.00011	.16899	-0.0045	.00111	F .0046	.00084	-0.00156	.01544	-0.00003
Stddev	.00363	.00178	.01336	.00008	.00015	.00184	.00027	.00031	.0015	.00171	.00338	.00227	.00009
%RSD	44.439	412.36	116.91	50.906	141.34	1.0904	60.947	27.630	32.18	202.00	216.48	14.708	287.82

#1	.00560	.00083	.00198	.00010	.00000	.17030	-0.0065	.00133	.0036	-0.0036	.00083	.01704	-0.00010
#2	.01074	-0.00169	.02088	.00021	.00022	.16769	-0.0026	.00090	.0057	.00205	-0.00395	.01383	.00003

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.00031	-0.00019	-0.00024	.00029
Stddev	.00003	.00038	.00169	.00042	.00062
%RSD	168.59	123.20	883.72	175.46	210.57

#1	-0.0004	-0.0004	-0.00139	-0.00054	.00073
#2	.00000	-0.00058	.00100	.00006	-0.00014

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3714.2	5217.0	52729.	10015.
Stddev	2.5	1.0	33.	29.
%RSD	.06843	.01939	.06251	.28866

#1	3712.4	5217.7	52752.	9995.0
#2	3716.0	5216.3	52705.	10036.

Sample Name: 480-28005-F-6-C Acquired: 11/12/2012 22:49:43 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0124	.09581	.00590	.13135	.15047	.00001	127.77	.00009	-0.0012
Stddev	.00028	.00142	.00089	.00037	.00031	.00009	1.55	.00019	.00019
%RSD	22.192	1.4787	15.143	.27943	.20428	1205.7	1.2112	221.39	161.01

#1	-.00143	.09481	.00653	.13161	.15025	.00007	128.86	-.00005	-.00025
#2	-.00105	.09681	.00527	.13109	.15069	-.00005	126.67	.00022	.00002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00115	.00087	3.5791	3.4941	4.2167	.00799	63.781	.05548	.00066
Stddev	.00034	.00011	.0502	.0037	.0628	.00031	.497	.00060	.00046
%RSD	29.531	12.788	1.4013	.10675	1.4898	3.8825	.77914	1.0889	69.593

#1	.00091	.00095	3.6146	3.4967	4.2611	.00820	63.430	.05505	.00033
#2	.00140	.00079	3.5436	3.4915	4.1723	.00777	64.132	.05591	.00098

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.989	.00031	.00172	F 26.86	-0.0013	-0.00204	9.2463	.00001	1.2997
Stddev	.326	.00002	.00072	.01	.00098	.00396	.0785	.00073	.0103
%RSD	1.0877	5.3256	41.776	.0354	736.85	193.52	.84862	9694.1	.79104

#1	30.219	.00030	.00223	26.87	.00056	.00075	9.3018	-.00051	1.3070
#2	29.758	.00032	.00121	26.85	-.00082	-.00484	9.1908	.00052	1.2925

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00318	-.00063	.00033	.00238
Stddev	.00021	.00112	.00037	.00093
%RSD	6.7189	176.87	111.64	39.059

#1	.00333	-.00142	.00060	.00173
#2	.00303	.00016	.00007	.00304

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3310.0	4910.2	49353.	9763.6
Stddev	5.3	5.6	368.	97.5
%RSD	.16123	.11486	.74541	.99846

#1	3313.8	4914.2	49614.	9694.6
#2	3306.3	4906.2	49093.	9832.5

Sample Name: 480-28005-F-7-C Acquired: 11/12/2012 22:51:48 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0076	.04152	.00094	.06922	.08335	-0.0003	109.72	.00058	.00070
Stddev	.00022	.01109	.00197	.00072	.00023	.00003	.86	.00045	.00036
%RSD	29.176	26.703	210.08	1.0336	.28103	95.254	.78715	78.142	52.153

#1	-0.0061	.03368	-0.0046	.06871	.08351	-0.0001	109.11	.00026	.00044
#2	-0.0092	.04935	.00233	.06972	.08318	-0.0005	110.33	.00090	.00095

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01623	.00132	2.1179	5.7099	6.7749	.00772	55.190	.06654	.00324
Stddev	.00007	.00028	.0124	.0415	.0440	.00036	.516	.00098	.00041
%RSD	.42746	21.373	.58331	.72671	.64865	4.6568	.93551	1.4665	12.796

#1	.01618	.00112	2.1091	5.6805	6.7439	.00746	54.825	.06585	.00295
#2	.01628	.00152	2.1266	5.7392	6.8060	.00797	55.555	.06723	.00353

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.918	.01372	.00196	F 18.61	-0.00122	-0.00290	6.9422	.00007	.33658
Stddev	.107	.00079	.00019	.02	.00076	.00031	.0783	.00024	.00042
%RSD	.35702	5.7247	9.9509	.1320	62.516	10.628	1.1282	319.55	.12424

#1	29.843	.01317	.00182	18.60	-0.0176	-0.00268	6.8868	-0.0009	.33629
#2	29.994	.01428	.00210	18.63	-0.0068	-0.00312	6.9976	.00024	.33688

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00188	-0.00049	-0.00021	.00261
Stddev	.00012	.00439	.00029	.00055
%RSD	6.2599	901.27	137.45	21.019

#1	.00179	-0.00359	-0.00042	.00222
#2	.00196	.00262	-0.0001	.00300

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3307.9	4911.5	49092.	9970.8
Stddev	28.6	44.1	462.	105.7
%RSD	.86397	.89838	.94095	1.0603

#1	3287.6	4880.3	49418.	10046.
#2	3328.1	4942.7	48765.	9896.1

Sample Name: 480-28005-F-8-C Acquired: 11/12/2012 22:53:54 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0102	.04743	-0.0013	.08619	.07622	-0.0007	119.55	.00021	-0.0001
Stddev	.00025	.00343	.00049	.00142	.00015	.00003	.31	.00012	.00002
%RSD	25.036	7.2311	385.17	1.6474	.19355	39.150	.26048	60.259	202.14

#1	-.00084	.04985	-.00048	.08519	.07632	-.00005	119.77	.00012	.00000
#2	-.00119	.04500	.00022	.08719	.07611	-.00009	119.33	.00029	-.00002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00129	.00111	.10593	6.5848	8.3205	.00591	56.255	.05444	.00104
Stddev	.00025	.00006	.00748	.0237	.0083	.00090	.253	.00025	.00006
%RSD	19.637	5.5653	7.0623	.35984	.10014	15.284	.44900	.45057	5.6236

#1	.00111	.00116	.10064	6.6016	8.3146	.00527	56.076	.05427	.00100
#2	.00147	.00107	.11122	6.5681	8.3264	.00655	56.434	.05461	.00108

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	43.149	.00149	.00117	F 20.62	-0.00080	-0.00157	7.0709	-0.00019	.69232
Stddev	.113	.00030	.00090	.09	.00035	.00081	.0348	.00058	.00013
%RSD	.26183	20.423	76.878	.4370	44.019	51.326	.49257	307.31	.01940

#1	43.229	.00171	.00054	20.55	-.00055	-.00214	7.0955	.00022	.69223
#2	43.069	.00128	.00181	20.68	-.00105	-.00100	7.0462	-.00060	.69242

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00086	-.00257	.00000	.00209
Stddev	.00066	.00054	.00007	.00033
%RSD	76.721	20.795	4179.4	15.875

#1	.00133	-.00219	.00005	.00232
#2	.00039	-.00295	-.00005	.00185

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3311.8	4927.3	48629.	9648.6
Stddev	10.9	28.3	18.	21.0
%RSD	.33060	.57489	.03793	.21782

#1	3319.5	4947.3	48642.	9633.7
#2	3304.0	4907.3	48616.	9663.4

Sample Name: 480-28005-F-9-C Acquired: 11/12/2012 22:56:00 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0127	.10562	.00252	.07357	.05391	-0.0004	113.74	.00041	-0.0002
Stddev	.00034	.00301	.00304	.00016	.00016	.00002	.13	.00017	.00025
%RSD	27.085	2.8509	120.27	.21145	.30442	35.361	.11355	40.015	1626.8

#1	-.00151	.10349	.00467	.07368	.05380	-.00006	113.83	.00030	.00016
#2	-.00103	.10775	.00038	.07346	.05403	-.00003	113.65	.00053	-.00019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00122	.00036	1.3412	3.8733	4.3520	.00655	53.990	.06912	.00110
Stddev	.00045	.00037	.0095	.0293	.0363	.00027	.157	.00008	.00004
%RSD	36.825	103.06	.70987	.75556	.83469	4.1116	.29001	.12246	3.6586

#1	.00154	.00010	1.3479	3.8940	4.3263	.00636	53.880	.06918	.00108
#2	.00090	.00062	1.3344	3.8527	4.3776	.00674	54.101	.06906	.00113

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.8097	.00029	.00254	F 23.00	.00054	-0.00066	8.4824	.00044	.33190
Stddev	.0084	.00029	.00095	.11	.00175	.00017	.0328	.00040	.00066
%RSD	.09529	100.10	37.509	.4777	323.21	24.909	.38720	89.762	.19845

#1	8.8038	.00008	.00186	23.07	.00178	-.00055	8.4591	.00072	.33143
#2	8.8157	.00049	.00321	22.92	-.00070	-.00078	8.5056	.00016	.33236

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00390	-.00162	.00018	.00143
Stddev	.00026	.00000	.00043	.00049
%RSD	6.5508	.13728	240.94	34.188

#1	.00372	-.00162	.00049	.00109
#2	.00408	-.00161	-.00013	.00178

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3383.1	4961.0	49962.	9929.3
Stddev	1.5	5.7	20.	1.0
%RSD	.04552	.11499	.03992	.00975

#1	3384.2	4956.9	49948.	9928.7
#2	3382.1	4965.0	49977.	9930.0

Sample Name: 480-28005-F-10-C Acquired: 11/12/2012 22:58:05 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0039	.02322	.00038	.16814	.24167	.00000	85.190	.00014	-0.0016
Stddev	.00024	.01036	.00261	.00035	.00862	.0000	.922	.00016	.00000
%RSD	61.386	44.613	681.95	.20755	3.5660	499.73	1.0827	117.57	3.1064
#1	-.00055	.01590	-.00146	.16839	.23558	.00001	84.538	.00026	-.00015
#2	-.00022	.03055	.00223	.16789	.24777	-.00002	85.842	.00002	-.00016

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00158	.00198	1.4729	3.3124	3.8843	.00799	48.045	.02469	.00124
Stddev	.00065	.00003	.0180	.0174	.1653	.00019	.195	.00202	.00008
%RSD	41.341	1.5175	1.2210	.52617	4.2545	2.3776	.40671	8.1709	6.1139
#1	.00204	.00196	1.4602	3.3001	4.0011	.00785	47.907	.02612	.00129
#2	.00112	.00200	1.4856	3.3247	3.7674	.00812	48.183	.02326	.00118

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.125	.00200	.00264	F 16.63	.00007	-.00041	7.6325	-.00056	1.3643
Stddev	.172	.00005	.00217	.03	.00044	.00257	.1055	.00079	.0123
%RSD	.94805	2.5090	82.035	.1541	667.88	622.34	1.3816	140.28	.90025
#1	18.004	.00204	.00418	16.61	-.00025	.00141	7.5580	.00000	1.3556
#2	18.247	.00197	.00111	16.64	.00038	-.00223	7.7071	-.00112	1.3729

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit 10.00
 Low Limit -.0100

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00097	.00127	.00056	.00190
Stddev	.00067	.00090	.00013	.00018
%RSD	69.142	71.294	23.480	9.6802
#1	.00145	.00063	.00065	.00203
#2	.00050	.00191	.00046	.00177

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3426.7	5016.2	50478.	9946.3
Stddev	15.1	16.7	270.	33.6
%RSD	.43936	.33269	.53445	.33739
#1	3437.3	5028.0	50669.	9970.0
#2	3416.1	5004.4	50287.	9922.6

Sample Name: 480-28005-F-11-C Acquired: 11/12/2012 23:00:07 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0155	.01812	.00102	.16344	.06980	-0.0008	131.03	.00029	.00128
Stddev	.00110	.00714	.00093	.00173	.00022	.00003	.07	.00003	.00009
%RSD	70.982	39.382	91.533	1.0581	.31976	32.828	.05129	9.7932	6.6593
#1	-.00077	.01308	.00036	.16466	.06964	-.00006	130.98	.00027	.00134
#2	-.00233	.02317	.00168	.16222	.06996	-.00009	131.08	.00031	.00122

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00168	.00173	.52549	7.1319	9.0581	.01027	65.464	.28975	.00216
Stddev	.00032	.00010	.00138	.0011	.0901	.00005	.236	.00112	.00008
%RSD	19.222	5.5064	.26256	.01551	.99491	.47657	.35998	.38546	3.6909
#1	.00191	.00166	.52647	7.1311	9.1219	.01023	65.297	.28896	.00222
#2	.00145	.00180	.52452	7.1327	8.9944	.01030	65.630	.29054	.00210

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	61.164	.00960	.00177	F 16.40	-0.00179	-0.00152	6.7836	-0.0001	.32072
Stddev	.098	.00036	.00006	.10	.00024	.00094	.0055	.00017	.00065
%RSD	.16053	3.7181	3.4063	.6161	13.622	61.407	.08090	2123.2	.20236
#1	61.095	.00935	.00181	16.47	-.00161	-.00218	6.7874	-.00013	.32026
#2	61.234	.00986	.00173	16.33	-.00196	-.00086	6.7797	.00011	.32118

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit 10.00
 Low Limit -.0100

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00109	.00081	.00046	.00213
Stddev	.00033	.00048	.00036	.00036
%RSD	30.643	59.560	78.601	16.896
#1	.00133	.00115	.00020	.00238
#2	.00085	.00047	.00072	.00187

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3245.3	4867.6	48997.	9973.0
Stddev	.1	6.7	275.	33.4
%RSD	.00289	.13818	.56149	.33442
#1	3245.2	4862.8	49191.	9996.5
#2	3245.3	4872.3	48802.	9949.4

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0117	.02141	.00133	.01238	.03822	-0.0006	74.522	.00018	-0.0005
Stddev	.00012	.00351	.00044	.00014	.00017	.00001	.306	.00005	.00013
%RSD	10.440	16.384	32.972	1.1010	.44133	10.920	.41119	26.150	253.48
#1	-.00109	.02390	.00163	.01248	.03810	-.00006	74.739	.00014	.00004
#2	-.00126	.01893	.00102	.01229	.03834	-.00007	74.306	.00021	-.00014

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00110	.00068	.00468	.78344	.66819	.00264	22.906	.00020	.00063
Stddev	.00003	.00023	.00117	.02147	.00430	.00071	.001	.00002	.00004
%RSD	2.9709	33.557	24.968	2.7403	.64280	26.704	.00446	11.347	6.0274
#1	.00113	.00052	.00551	.79863	.66515	.00214	22.906	.00019	.00060
#2	.00108	.00085	.00385	.76826	.67122	.00314	22.907	.00022	.00065

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.6549	-0.0017	.00055	6.097	-0.00091	.00199	6.2110	-0.00033	.07549
Stddev	.0313	.00012	.00087	.013	.00065	.00340	.0077	.00032	.00006
%RSD	.85608	72.093	156.78	.2146	71.120	171.08	.12398	96.877	.07506
#1	3.6770	-.00008	-.00006	6.088	-.00045	-.00042	6.2056	-.00010	.07553
#2	3.6328	-.00025	.00116	6.106	-.00136	.00439	6.2165	-.00056	.07545

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00049	.00044	.00092	.00089
Stddev	.00012	.00098	.00015	.00042
%RSD	24.591	219.74	15.781	47.109
#1	.00058	-.00025	.00103	.00118
#2	.00040	.00114	.00082	.00059

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3513.0	5075.5	51499.	10051.
Stddev	6.1	10.2	42.	17.
%RSD	.17239	.20013	.08062	.16939
#1	3517.2	5082.7	51528.	10039.
#2	3508.7	5068.3	51470.	10063.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0158	.02491	.00096	.01682	.02400	-0.0005	91.719	.00013	.00003
Stddev	.00113	.01006	.00006	.00071	.00006	.00003	1.261	.00007	.00003
%RSD	71.679	40.391	6.2187	4.2304	.25955	52.104	1.3748	57.536	118.45

#1	-.00078	.01779	.00092	.01733	.02405	-.00003	92.610	.00008	.00005
#2	-.00238	.03202	.00101	.01632	.02396	-.00007	90.827	.00018	.00000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00135	.00113	.00293	.90015	.79644	.00135	17.266	.00076	.00025
Stddev	.00024	.00015	.00053	.04950	.00266	.00023	.059	.00006	.00027
%RSD	17.675	13.113	18.080	5.4995	.33458	16.929	.34456	7.7005	106.75

#1	.00118	.00102	.00255	.93516	.79832	.00151	17.224	.00071	.00045
#2	.00152	.00123	.00330	.86515	.79455	.00118	17.308	.00080	.00006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9053	-0.0005	.00116	4.667	.00026	-0.00078	4.5016	.00016	.07414
Stddev	.0448	.00064	.00101	.103	.00034	.00406	.0726	.00026	.00123
%RSD	2.3518	1264.0	86.860	2.201	129.57	523.85	1.6126	157.88	1.6549

#1	1.9369	.00040	.00188	4.740	.00050	-.00365	4.5529	.00034	.07501
#2	1.8736	-.00051	.00045	4.595	.00002	.00210	4.4503	-.00002	.07328

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00071	.00054	.00003	.00105
Stddev	.00024	.00176	.00045	.00040
%RSD	33.369	329.21	1797.4	38.046

#1	.00087	.00178	.00035	.00077
#2	.00054	-.00071	-.00030	.00133

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3501.8	5051.4	50744.	9987.0
Stddev	10.1	10.4	25.	20.7
%RSD	.28702	.20633	.04968	.20706

#1	3508.9	5058.8	50726.	9972.4
#2	3494.7	5044.0	50761.	10002.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0126	.02518	.00129	.01376	.02255	.00000	47.986	-0.0002	-0.0016
Stddev	.00026	.01837	.00156	.00025	.00011	.0001	.043	.00003	.00031
%RSD	20.843	72.934	120.80	1.7952	.47612	1283.8	.08958	180.16	201.37

#1	-.00145	.01220	.00019	.01358	.02247	.00003	47.956	.00000	.00007
#2	-.00107	.03817	.00240	.01393	.02263	-.00004	48.016	-.00004	-.00038

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00090	.00031	.00087	.73969	.60572	.00348	15.750	.00077	.00112
Stddev	.00021	.00008	.00116	.00921	.00399	.00067	.139	.00000	.00018
%RSD	23.818	25.456	133.98	1.2449	.65857	19.181	.88382	.52629	16.312

#1	.00075	.00037	.00169	.74620	.60290	.00395	15.651	.00077	.00099
#2	.00105	.00026	.00005	.73318	.60854	.00301	15.848	.00076	.00125

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.7698	.00044	.00063	4.049	.00003	-.00442	5.6941	-.00051	.06891
Stddev	.0021	.00003	.00240	.013	.00103	.00175	.0123	.00054	.00016
%RSD	.04450	7.5225	379.92	.3125	3315.5	39.629	.21640	105.76	.22794

#1	4.7713	.00046	-.00106	4.058	.00076	-.00566	5.7028	-.00013	.06902
#2	4.7683	.00041	.00232	4.040	-.00069	-.00318	5.6854	-.00089	.06880

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00015	-.00101	.00049	.00234
Stddev	.00023	.00057	.00036	.00014
%RSD	155.05	56.022	72.907	5.9393

#1	-.00001	-.00061	.00024	.00244
#2	.00031	-.00141	.00075	.00224

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3518.6	5064.8	51188.	10067.
Stddev	2.9	3.3	345.	59.
%RSD	.08258	.06565	.67398	.58533

#1	3516.5	5062.4	51432.	10108.
#2	3520.6	5067.1	50944.	10025.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0106	-0.00756	-0.00015	.00436	.00468	-0.00002	9.7852	.00005	.00005
Stddev	.00031	.01092	.00107	.00041	.00002	.00005	.0254	.00011	.00001
%RSD	29.480	144.49	718.42	9.4491	.37141	199.59	.25965	220.85	13.003

#1	-0.0128	-0.01528	-0.00091	.00465	.00467	-0.00006	9.8032	-0.00003	.00004
#2	-0.00084	.00016	.00061	.00407	.00470	.00001	9.7672	.00012	.00005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	-0.00035	.00254	.29034	.10596	.00057	3.1950	.00012	.00040
Stddev	.00001	.00037	.00173	.02601	.00075	.00065	.0100	.00015	.00038
%RSD	7.3837	105.64	67.965	8.9598	.70971	114.29	.31369	121.66	94.568

#1	.00014	-0.00061	.00377	.30874	.10649	.00102	3.2021	.00023	.00013
#2	.00015	-0.00009	.00132	.27195	.10543	.00011	3.1879	.00002	.00068

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0592	.00001	.00024	.7941	.00014	-0.00154	1.1444	-0.00048	.01399
Stddev	.0180	.00022	.00012	.0014	.00112	.00284	.0205	.00018	.00005
%RSD	1.6942	1911.0	50.235	.1775	783.99	184.36	1.7908	38.390	.34399

#1	1.0719	.00016	.00016	.7931	.00093	-0.00355	1.1589	-0.00035	.01396
#2	1.0465	-0.00014	.00033	.7951	-0.00065	.00047	1.1299	-0.00061	.01402

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00030	.00034	.00008	.00064
Stddev	.00022	.00255	.00044	.00036
%RSD	73.368	749.71	569.07	56.168

#1	.00046	-0.00146	-0.00023	.00090
#2	.00015	.00214	.00039	.00039

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3670.0	5181.5	51742.	9968.1
Stddev	10.4	13.6	122.	46.4
%RSD	.28318	.26295	.23597	.46545

#1	3677.3	5191.2	51829.	9935.3
#2	3662.7	5171.9	51656.	10001.

Sample Name: CCV Acquired: 11/12/2012 23:10:32 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52322	25.549	.51278	.51171	.51843	.50127	26.360	.51246	.50166	.52617	.50712	24.758
Stddev	.00292	.151	.00286	.00352	.00178	.00193	.178	.00333	.00299	.00029	.00298	.056
%RSD	.55858	.58935	.55809	.68830	.34291	.38589	.67508	.64998	.59654	.05423	.58751	.22702

#1	.52115	25.443	.51480	.51420	.51718	.49990	26.235	.51482	.50378	.52637	.50501	24.718
#2	.52529	25.656	.51075	.50922	.51969	.50264	26.486	.51011	.49955	.52597	.50922	24.797

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.061	F 28.180	.50413	25.202	.51440	.50970	25.712	.49781	.51321	23.93	.50021	.49863
Stddev	.155	.401	.00344	.047	.00019	.00235	.089	.00143	.00428	.14	.00188	.00475
%RSD	.59435	1.4225	.68193	.18581	.03757	.46083	.34634	.28736	.83405	.5813	.37602	.95221

#1	25.951	27.896	.50170	25.235	.51426	.51137	25.649	.49882	.51624	24.03	.50154	.50199
#2	26.171	28.463	.50656	25.169	.51453	.50804	25.775	.49680	.51019	23.83	.49888	.49527

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		25.000										
Range		10.000%										

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.207	.49387	.51591	.50075	.51870	.52196	.53696
Stddev	.166	.00262	.00132	.00120	.00487	.00118	.00006
%RSD	.63265	.53080	.25558	.24020	.93975	.22625	.01067

#1	26.090	.49572	.51497	.49989	.52215	.52112	.53692
#2	26.324	.49201	.51684	.50160	.51525	.52279	.53700

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3415.7	5062.7	50555.	9570.0
Stddev	5.9	5.4	125.	90.3
%RSD	.17206	.10665	.24741	.94369

#1	3411.6	5058.9	50643.	9633.9
#2	3419.9	5066.6	50466.	9506.1

Sample Name: CCB Acquired: 11/12/2012 23:12:47 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0098	.00720	.00178	.00246	.00005	-0.00002	.00733	.00029	.00031	.00003	-0.00053	-0.00150	.18210
Stddev	.00031	.01589	.00013	.00016	.00002	.00004	.00233	.00050	.00048	.00040	.00018	.00221	.02649
%RSD	31.341	220.54	7.4100	6.4629	30.153	264.13	31.781	169.21	156.04	1211.1	34.314	147.39	14.549

#1	-0.00076	-0.00403	.00169	.00258	.00004	-0.00005	.00897	.00064	.00064	.00032	-0.00040	.00006	.20084
#2	-0.00120	.01844	.00187	.00235	.00007	.00001	.00568	-0.00006	-0.00003	-0.00025	-0.00065	-0.00306	.16337

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00465	-0.00039	.00729	.00008	.00058	.08742	.00016	.00099	F .0139	.00096	-0.00245	.00904	-0.00005
Stddev	.00010	.00053	.00314	.00005	.00010	.00132	.00022	.00103	.0169	.00123	.00153	.00081	.00024
%RSD	2.2194	134.75	43.129	58.513	18.175	1.5094	139.92	103.98	121.4	128.45	62.436	8.9510	437.13

#1	.00473	-0.00077	.00506	.00011	.00065	.08836	.00032	.00172	.0259	.00183	-0.00137	.00847	-0.00022
#2	.00458	-0.00002	.00951	.00005	.00050	.08649	.00000	.00026	.0020	.00009	-0.00353	.00962	.00011

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-0.0040				

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00008	.00002	.00018	.00038	.00010
Stddev	.00004	.00008	.00154	.00013	.00002
%RSD	47.424	437.15	875.99	32.959	18.095

#1	-0.00011	.00007	.00126	.00047	.00008
#2	-0.00006	-0.00004	-0.00091	.00029	.00011

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3752.4	5262.6	52760.	9978.3
Stddev	4.8	.3	26.	38.2
%RSD	.12836	.00495	.04964	.38275

#1	3749.0	5262.8	52741.	9951.2
#2	3755.8	5262.4	52778.	10005.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05284	10.395	.21308	.22742	.23638	.20772	56.323	.20898	.20736
Stddev	.00097	.116	.00273	.00054	.00255	.00177	1.031	.00127	.00216
%RSD	1.8444	1.1165	1.2790	.23847	1.0806	.85131	1.8298	.60611	1.0425
#1	.05215	10.477	.21500	.22781	.23458	.20897	57.052	.20988	.20889
#2	.05353	10.313	.21115	.22704	.23819	.20647	55.594	.20808	.20584

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21467	.20873	10.112	11.113	12.242	.20862	26.170	.21492	.21083
Stddev	.00030	.00438	.101	.145	.095	.00258	.021	.00035	.00175
%RSD	.13973	2.0988	.99581	1.3059	.77494	1.2345	.07928	.16062	.82866
#1	.21488	.20563	10.183	11.216	12.175	.21044	26.156	.21516	.21207
#2	.21446	.21182	10.040	11.011	12.309	.20680	26.185	.21468	.20959

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.903	.20279	.21164	3.983	.20673	.20280	16.440	.19270	.28130
Stddev	.166	.00236	.00045	.029	.00441	.00150	.228	.00097	.00314
%RSD	1.1141	1.1662	.21256	.7376	2.1328	.73923	1.3843	.50415	1.1153
#1	15.020	.20446	.21196	4.004	.20984	.20174	16.601	.19339	.28352
#2	14.785	.20111	.21132	3.962	.20361	.20386	16.280	.19201	.27908

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.20520	.20126	.21263	.23611
Stddev	.00047	.00138	.00111	.00349
%RSD	.22909	.68430	.52263	1.4767
#1	.20487	.20223	.21185	.23857
#2	.20553	.20029	.21342	.23364

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3487.0	5129.0	50231.	9986.5
Stddev	30.0	40.1	1028.	22.2
%RSD	.86043	.78194	2.0458	.22256
#1	3465.8	5100.7	49504.	10002.
#2	3508.3	5157.4	50958.	9970.8

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05138	10.197	.21166	.22025	.22925	.20516	57.932	.20552	.20419
Stddev	.00103	.043	.00048	.00154	.00007	.00010	.259	.00150	.00040
%RSD	2.0100	.42154	.22791	.69804	.02932	.04859	.44636	.72855	.19784

#1	.05211	10.227	.21200	.22134	.22930	.20523	58.114	.20658	.20448
#2	.05065	10.167	.21132	.21916	.22920	.20509	57.749	.20446	.20391

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21360	.20317	9.9288	10.956	12.059	.20507	26.210	.20308	.20728
Stddev	.00058	.00085	.0103	.021	.073	.00032	.099	.00096	.00057
%RSD	.27088	.42071	.10362	.19320	.60803	.15649	.37703	.47192	.27514

#1	.21401	.20378	9.9361	10.970	12.007	.20530	26.280	.20376	.20769
#2	.21319	.20257	9.9215	10.941	12.110	.20485	26.140	.20240	.20688

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.905	.19776	.20619	4.061	.20148	.19920	16.128	.19666	.27473
Stddev	.036	.00111	.00089	.023	.00053	.00014	.096	.00088	.00086
%RSD	.23845	.56163	.43028	.5764	.26420	.07230	.59471	.44899	.31141

#1	14.930	.19855	.20681	4.077	.20186	.19931	16.195	.19729	.27533
#2	14.880	.19698	.20556	4.044	.20110	.19910	16.060	.19604	.27412

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19313	.20232	.20578	.22536
Stddev	.00043	.00144	.00027	.00132
%RSD	.22234	.71352	.13014	.58564

#1	.19344	.20334	.20559	.22443
#2	.19283	.20130	.20597	.22629

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3438.3	5076.5	51176.	10160.
Stddev	6.3	14.4	75.	24.
%RSD	.18326	.28341	.14566	.23494

#1	3433.8	5066.4	51123.	10143.
#2	3442.7	5086.7	51228.	10177.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05215	10.336	.21046	.21978	.23250	.20656	58.507	.20740	.20616
Stddev	.00029	.050	.00118	.00057	.00085	.00050	.057	.00005	.00088
%RSD	.55740	.48344	.55998	.25981	.36493	.24139	.09747	.02498	.42731

#1	.05236	10.371	.20963	.21938	.23310	.20621	58.547	.20744	.20679
#2	.05195	10.300	.21129	.22018	.23190	.20691	58.466	.20737	.20554

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21604	.20309	10.020	11.059	12.075	.20561	26.174	.20517	.20817
Stddev	.00121	.00039	.040	.003	.004	.00107	.093	.00137	.00011
%RSD	.56031	.19415	.39423	.02710	.03617	.52133	.35582	.66533	.05437

#1	.21689	.20281	9.9920	11.057	12.071	.20637	26.108	.20420	.20809
#2	.21518	.20337	10.048	11.061	12.078	.20485	26.240	.20613	.20825

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.964	.19894	.20971	4.045	.20095	.19637	16.411	.19752	.27561
Stddev	.040	.00059	.00130	.033	.00345	.00316	.052	.00214	.00043
%RSD	.26944	.29690	.62070	.8170	1.7177	1.6080	.31584	1.0847	.15704

#1	14.992	.19936	.21063	4.022	.19851	.19414	16.447	.19903	.27591
#2	14.935	.19852	.20879	4.069	.20339	.19861	16.374	.19600	.27530

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19533	.20565	.20788	.23311
Stddev	.00014	.00205	.00038	.00062
%RSD	.06952	.99814	.18245	.26453

#1	.19523	.20710	.20761	.23355
#2	.19543	.20420	.20815	.23268

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3382.8	4994.4	49829.	9775.4
Stddev	33.4	37.2	173.	66.2
%RSD	.98630	.74547	.34719	.67728

#1	3359.2	4968.0	49952.	9822.2
#2	3406.3	5020.7	49707.	9728.6

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0139	.00682	.00058	.07843	.09967	-0.0007	175.98	.00016	.00145
Stddev	.00012	.00083	.00025	.00003	.00022	.00001	.34	.00012	.00013
%RSD	8.5159	12.225	43.066	.03860	.21816	15.724	.19236	73.164	8.9481

#1	-.00147	.00623	.00040	.07841	.09952	-.00006	175.74	.00024	.00136
#2	-.00131	.00741	.00075	.07846	.09982	-.00008	176.22	.00008	.00154

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00135	.00213	.00439	2.6084	3.1759	.00360	43.631	.05631	.00012
Stddev	.00033	.00032	.00246	.0055	.0009	.00057	.172	.00029	.00003
%RSD	24.268	14.827	55.997	.21084	.02774	15.898	.39439	.51517	21.411

#1	.00112	.00191	.00265	2.6123	3.1753	.00400	43.510	.05610	.00014
#2	.00158	.00236	.00613	2.6045	3.1766	.00320	43.753	.05651	.00010

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	22.329	.00393	-.00075	9.970	-.00145	.00072	7.6800	-.00032	.21142
Stddev	.063	.00098	.00079	.012	.00133	.00180	.0185	.00079	.00008
%RSD	.28399	24.799	105.64	.1233	92.020	252.14	.24126	248.73	.03859

#1	22.284	.00462	-.00019	9.961	-.00239	-.00056	7.6931	.00024	.21136
#2	22.374	.00324	-.00131	9.979	-.00051	.00199	7.6669	-.00088	.21148

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00121	.00024	.00066	.00121
Stddev	.00043	.00272	.00083	.00083
%RSD	35.838	1116.3	124.72	68.775

#1	.00090	.00217	.00125	.00179
#2	.00152	-.00168	.00008	.00062

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3310.1	4909.4	49310.	9904.4
Stddev	18.2	32.5	205.	26.8
%RSD	.54882	.66298	.41626	.27098

#1	3297.2	4886.4	49455.	9923.3
#2	3322.9	4932.5	49165.	9885.4

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0128	.21579	.00240	.01344	.04040	.00388	118.32	.00023	-0.0014
Stddev	.00005	.26067	.00090	.00004	.00039	.00568	2.97	.00015	.00015
%RSD	4.0856	120.80	37.432	.27216	.97587	146.41	2.5091	63.663	106.85

#1	-.00132	.03147	.00176	.01346	.04068	-.00014	120.42	.00034	-.00003
#2	-.00124	.40011	.00303	.01341	.04012	.00790	116.22	.00013	-.00025

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00062	.00101	.19294	1.4739	1.3568	.00529	39.667	.00019	.00018
Stddev	.00080	.00020	.27039	.2122	.0278	.00558	.218	.00001	.00021
%RSD	127.90	19.784	140.14	14.400	2.0503	105.33	.54916	3.5654	114.78

#1	.00006	.00116	.00175	1.3238	1.3765	.00135	39.821	.00020	.00003
#2	.00119	.00087	.38414	1.6239	1.3371	.00924	39.513	.00019	.00033

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.7677	.00033	.00117	3.558	-0.00101	.00131	6.1547	-0.00007	.10977
Stddev	.5708	.00028	.00072	.013	.00056	.00024	.1904	.00023	.00563
%RSD	11.973	83.060	61.654	.3766	55.753	18.230	3.0932	352.95	5.1330

#1	4.3641	.00053	.00169	3.548	-.00141	.00148	6.0201	.00010	.10579
#2	5.1714	.00014	.00066	3.567	-.00061	.00114	6.2893	-.00023	.11376

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00096	-.00066	.00078	.00161
Stddev	.00014	.00043	.00103	.00011
%RSD	14.249	65.227	133.07	7.0741

#1	.00106	-.00035	.00151	.00153
#2	.00087	-.00096	.00005	.00169

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3395.8	4967.8	50532.	10293.
Stddev	4.1	12.3	329.	252.
%RSD	.12027	.24776	.65190	2.4443

#1	3398.7	4976.5	50299.	10115.
#2	3392.9	4959.1	50765.	10471.

Sample Name: 480-28157-B-20-B Acquired: 11/12/2012 23:25:27 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0071	.00950	.00105	.00792	.00565	-0.0002	30.526	.00025	.00002
Stddev	.00055	.01597	.00077	.00038	.00045	.00001	.218	.00007	.00016
%RSD	77.768	168.07	72.606	4.8135	7.9607	41.590	.71572	26.243	805.44

#1	-.00110	-.00179	.00051	.00819	.00596	-.00002	30.681	.00029	-.00009
#2	-.00032	.02079	.00160	.00765	.00533	-.00001	30.372	.00020	.00013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00144	.00041	.00502	.62358	.49410	.00072	9.9912	.00051	-.00010
Stddev	.00006	.00010	.00209	.00642	.02552	.00007	.1640	.00021	.00016
%RSD	4.4077	24.933	41.658	1.0289	5.1657	9.8617	1.6410	40.495	157.92

#1	.00140	.00048	.00650	.61905	.51215	.00077	10.107	.00066	-.00021
#2	.00149	.00034	.00354	.62812	.47605	.00067	9.8752	.00036	.00001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8249	-.00015	.00274	3.361	.00009	-.00010	4.2368	-.00016	.03388
Stddev	.0213	.00028	.00036	.019	.00025	.00065	.0179	.00027	.00026
%RSD	1.1661	185.94	13.279	.5718	267.89	644.78	.42297	172.71	.77232

#1	1.8099	-.00035	.00299	3.375	.00027	.00036	4.2495	-.00035	.03406
#2	1.8400	.00005	.00248	3.348	-.00008	-.00056	4.2241	.00003	.03369

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00024	-.00101	.00016	.00206
Stddev	.00120	.00079	.00005	.00038
%RSD	499.76	78.409	31.176	18.272

#1	.00109	-.00157	.00019	.00233
#2	-.00061	-.00045	.00012	.00179

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3558.9	5078.6	51119.	9905.5
Stddev	5.3	7.8	42.	43.2
%RSD	.14988	.15419	.08295	.43596

#1	3555.1	5073.1	51089.	9875.0
#2	3562.7	5084.2	51149.	9936.1

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0025	.02192	.00153	.00905	.02749	-0.0007	68.361	.00023	.00037
Stddev	.00035	.01214	.00105	.00030	.00082	.00000	.096	.00001	.00030
%RSD	139.42	55.383	68.544	3.3560	2.9691	1.0917	.13973	3.4256	80.914

#1	-.00049	.03051	.00227	.00927	.02807	-.00007	68.429	.00022	.00059
#2	.00000	.01334	.00079	.00884	.02691	-.00007	68.294	.00023	.00016

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00308	.00190	.07180	1.2520	1.3223	.00067	21.499	.35005	.00127
Stddev	.00135	.00003	.00014	.0290	.0480	.00109	.109	.01920	.00020
%RSD	43.889	1.7719	.19550	2.3130	3.6271	162.02	.50823	5.4849	15.797

#1	.00404	.00192	.07170	1.2315	1.3562	.00144	21.422	.33647	.00113
#2	.00212	.00187	.07190	1.2725	1.2884	-.00010	21.577	.36362	.00142

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4658	.00147	.00095	2.635	.00050	-.00280	4.5558	.00017	.08439
Stddev	.0050	.00007	.00057	.014	.00015	.00030	.0194	.00074	.00010
%RSD	.20198	4.8450	60.127	.5403	29.922	10.832	.42585	429.06	.12155

#1	2.4693	.00142	.00135	2.625	.00039	-.00258	4.5421	-.00035	.08446
#2	2.4623	.00152	.00055	2.645	.00060	-.00301	4.5695	.00070	.08431

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00150	-.00008	.00067	.00334
Stddev	.00062	.00263	.00034	.00082
%RSD	41.300	3325.7	51.130	24.466

#1	.00194	-.00194	.00092	.00392
#2	.00106	.00178	.00043	.00276

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3497.8	5061.1	51279.	9703.8
Stddev	.1	6.3	89.	19.4
%RSD	.00212	.12541	.17325	.19955

#1	3497.8	5056.6	51342.	9717.5
#2	3497.9	5065.6	51216.	9690.1

Sample Name: 480-28157-B-22-B Acquired: 11/12/2012 23:30:10 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0123	.00405	-0.0082	.00841	.02823	-0.0003	54.909	.00006	-0.0004
Stddev	.00024	.00798	.00148	.00073	.00007	.00003	.250	.00007	.00001
%RSD	19.509	196.87	180.75	8.6717	.26035	99.001	.45484	123.90	26.273
#1	-.00140	.00970	.00023	.00892	.02828	-.00005	55.085	.00011	-.00003
#2	-.00106	-.00159	-.00187	.00789	.02818	-.00001	54.732	.00001	-.00004

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00137	.00048	.00349	.63785	.55707	.00279	19.094	.00022	.00080
Stddev	.00051	.00014	.00141	.00449	.01303	.00087	.097	.00007	.00027
%RSD	37.437	30.283	40.374	.70350	2.3396	31.199	.50776	32.287	33.228
#1	.00101	.00058	.00449	.63467	.56628	.00341	19.162	.00027	.00099
#2	.00174	.00038	.00249	.64102	.54785	.00218	19.025	.00017	.00061

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.7958	.00010	.00106	4.630	-0.00181	-0.00248	5.9867	-0.00022	.06667
Stddev	.0075	.00039	.00146	.022	.00156	.00021	.0157	.00018	.00001
%RSD	.26821	379.01	137.83	.4722	86.042	8.4345	.26182	79.529	.01563
#1	2.8011	.00038	.00209	4.646	-.00071	-.00233	5.9978	-.00010	.06667
#2	2.7905	-.00017	.00003	4.615	-.00292	-.00263	5.9756	-.00035	.06666

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00060	-.00159	.00083	.00196
Stddev	.00109	.00249	.00010	.00018
%RSD	180.20	156.03	11.903	8.9843
#1	.00137	-.00335	.00090	.00184
#2	-.00017	.00016	.00076	.00209

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3527.0	5088.8	51277.	9973.0
Stddev	6.1	11.2	42.	80.2
%RSD	.17269	.22034	.08115	.80465
#1	3531.3	5096.8	51247.	9916.3
#2	3522.7	5080.9	51306.	10030.

Sample Name: 480-28167-B-6-B Acquired: 11/12/2012 23:32:39 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0051	.00766	.00381	.00818	.03957	-0.0001	44.909	-0.0017	.00415
Stddev	.00028	.02086	.00263	.00038	.00048	.00006	1.585	.00000	.00005
%RSD	55.864	272.20	68.923	4.7004	1.2176	1061.3	3.5292	.36699	1.2754

#1	-0.0071	.02241	.00567	.00845	.03991	-0.0005	43.788	-0.0017	.00412
#2	-0.0031	-0.00709	.00195	.00791	.03922	.00004	46.030	-0.0017	.00419

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00151	.00223	3.5748	2.7411	3.4289	.01782	11.401	4.7710	.00946
Stddev	.00033	.00047	.1031	.1560	.1237	.00048	.216	.1098	.00020
%RSD	21.468	21.049	2.8839	5.6918	3.6070	2.6885	1.8933	2.3008	2.0905

#1	.00174	.00257	3.5019	2.6308	3.3414	.01748	11.553	4.8486	.00960
#2	.00128	.00190	3.6477	2.8514	3.5163	.01816	11.248	4.6934	.00932

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	60.486	.00701	.00235	9.677	-0.00074	.00146	25.534	-0.00049	.43599
Stddev	1.621	.00005	.00360	.041	.00109	.00018	.892	.00048	.01640
%RSD	2.6804	.74704	153.39	.4249	147.20	12.258	3.4944	96.732	3.7608

#1	59.340	.00705	.00490	9.648	.00003	.00158	24.903	-0.0083	.42440
#2	61.633	.00698	-0.00020	9.706	-0.00151	.00133	26.165	-0.0016	.44759

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00036	.00072	.00273	.01047
Stddev	.00013	.00093	.00060	.00023
%RSD	37.681	129.55	22.057	2.1787

#1	.00045	.00137	.00231	.01031
#2	.00026	.00006	.00316	.01063

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3499.7	5116.1	50105.	9999.1
Stddev	12.5	18.5	975.	253.6
%RSD	.35658	.36183	1.9459	2.5358

#1	3508.5	5129.2	49415.	10178.
#2	3490.8	5103.0	50794.	9819.8

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0083	.01142	.00004	.00184	.00002	-0.0001	.02690	.00007	-0.00003
Stddev	.00004	.00099	.00093	.00021	.00001	.00001	.00300	.00004	.00023
%RSD	5.3387	8.6557	2366.5	11.372	29.993	89.948	11.172	62.522	879.54

#1	-0.00086	.01072	-0.00062	.00170	.00002	-0.00001	.02477	.00009	-0.00019
#2	-0.00079	.01212	.00070	.00199	.00003	-0.00002	.02902	.00004	.00013

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0032	-0.00038	.00009	.11064	.00216	-0.00061	.00298	.00096	.00007
Stddev	.00019	.00030	.00062	.00704	.00030	.00055	.00003	.00011	.00029
%RSD	60.283	78.509	676.43	6.3612	14.100	89.725	1.0545	11.394	405.70

#1	-0.00018	-0.00059	.00053	.11561	.00238	-0.00099	.00301	.00104	.00028
#2	-0.00046	-0.00017	-0.00035	.10566	.00195	-0.00022	.00296	.00088	-0.00013

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07198	-0.00026	.00118	F -.0053	-0.00151	-0.00410	.00256	-0.00003	.00009
Stddev	.01359	.00022	.00084	.0023	.00034	.00162	.00541	.00008	.00000
%RSD	18.886	84.171	71.868	44.01	22.279	39.444	211.49	283.56	5.2033

#1	.08160	-0.00041	.00058	-0.0037	-0.00175	-0.00296	.00638	-0.00009	.00009
#2	.06237	-0.00011	.00177	-0.0070	-0.00127	-0.00524	-0.00127	.00003	.00009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.0030					
Low Limit				-.0040					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	-0.00027	-0.00192	-0.00072	-0.00022
Stddev	.00004	.00112	.00020	.00014
%RSD	13.704	58.232	27.549	64.198

#1	-0.00029	-0.00113	-0.00087	-0.00012
#2	-0.00024	-0.00271	-0.00058	-0.00032

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3694.6	5195.6	52230.	10049.
Stddev	4.2	11.1	44.	502.
%RSD	.11443	.21370	.08441	4.9997
#1	3697.6	5203.5	52262.	9693.9
#2	3691.6	5187.8	52199.	10404.

Sample Name: CCV Acquired: 11/12/2012 23:37:07 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51685	24.786	.51354	.51189	.50319	.48892	25.415	.51618	.50377	.52798	.50331	24.100	25.470
Stddev	.00290	1.458	.00252	.00047	.02879	.02652	1.422	.00005	.00054	.00494	.00144	1.294	1.328
%RSD	.56066	5.8808	.49148	.09117	5.7221	5.4252	5.5954	.00909	.10673	.93604	.28584	5.3682	5.2143

#1	.51890	25.816	.51532	.51222	.52355	.50767	26.421	.51621	.50339	.53148	.50433	25.015	26.409
#2	.51480	23.755	.51175	.51156	.48283	.47016	24.410	.51615	.50415	.52449	.50230	23.185	24.531

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.379	.48985	25.598	.51885	.51366	25.187	.50038	.51538	24.06	.50148	.50385	25.422	.49522
Stddev	1.078	.02664	.141	.00343	.00058	1.338	.00017	.00081	.00	.00153	.00910	1.424	.00055
%RSD	3.9379	5.4390	.55191	.66037	.11232	5.3117	.03420	.15633	.0165	.30467	1.8057	5.6029	.11050

#1	28.141	.50869	25.698	.52127	.51325	26.133	.50025	.51595	24.06	.50039	.51028	26.429	.49483
#2	26.617	.47101	25.499	.51642	.51406	24.241	.50050	.51482	24.07	.50256	.49741	24.414	.49561

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.50711	.49923	.52388	.52079	.54491
Stddev	.02647	.00319	.00304	.00202	.00294
%RSD	5.2206	.63897	.57950	.38838	.53873

#1	.52583	.50149	.52174	.52222	.54699
#2	.48839	.49698	.52603	.51936	.54283

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3389.5	5026.3	50306.	10032.
Stddev	7.8	4.7	240.	396.
%RSD	.22998	.09440	.47647	3.9447

#1	3395.0	5029.6	50137.	9752.1
#2	3384.0	5022.9	50476.	10312.

Sample Name: CCB Acquired: 11/12/2012 23:39:19 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0119	.01860	.00057	.00151	.00004	.00003	.00634	.00011	.00006	-0.00005	-0.00025	.00026	.10548
Stddev	.00023	.00563	.00081	.00048	.00000	.00006	.00232	.00024	.00003	.00034	.00031	.00175	.01493
%RSD	19.001	30.267	143.90	31.987	2.4139	181.29	36.542	221.63	49.312	633.97	127.29	662.42	14.152

#1	-0.0103	.01462	.00114	.00117	.00004	-0.0001	.00470	-0.0006	.00008	.00019	-0.0002	-0.0097	.11604
#2	-0.0136	.02259	-0.0001	.00185	.00004	.00008	.00798	.00028	.00004	-0.00030	-0.00047	.00150	.09493

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00351	.00031	.00098	.00005	.00008	.05288	-0.0020	-0.00008	-0.0024	-0.00053	-0.00330	.01924	-0.00013
Stddev	.00039	.00021	.00143	.00002	.00009	.00193	.00022	.00086	.0050	.00080	.00179	.01591	.00020
%RSD	11.217	68.991	145.91	47.374	107.62	3.6560	108.84	1096.0	204.9	150.53	54.229	82.699	153.44

#1	.00379	.00016	.00199	.00007	.00015	.05425	-0.0005	.00053	-0.0060	.00003	-0.00457	.00799	-0.00027
#2	.00323	.00045	-0.00003	.00003	.00002	.05152	-0.00035	-0.00069	.0011	-0.00110	-0.00204	.03049	.00001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	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	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.0011	.00000	.00106	-0.00036	-0.00017
Stddev	.00000	.0002	.00115	.00000	.00017
%RSD	4.3563	3365.3	108.27	1.0810	97.844

#1	-0.0012	-0.0012	.00025	-0.00036	-0.00005
#2	-0.0011	.00011	.00187	-0.00036	-0.00029

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3680.1	5172.2	51804.	9771.1
Stddev	8.7	20.2	340.	24.0
%RSD	.23594	.39119	.65611	.24579

#1	3673.9	5157.9	52045.	9754.1
#2	3686.2	5186.5	51564.	9788.1

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05301	10.362	.20565	.20764	.21529	.20533	10.544	.20580	.20472
Stddev	.00143	.051	.00063	.00093	.00199	.00112	.039	.00057	.00136
%RSD	2.6883	.49199	.30724	.44698	.92279	.54747	.37110	.27837	.66199

#1	.05200	10.326	.20610	.20830	.21388	.20453	10.516	.20621	.20568
#2	.05402	10.398	.20521	.20699	.21669	.20612	10.572	.20540	.20376

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22016	.20587	10.132	10.477	10.745	.20329	10.632	.20915	.20710
Stddev	.00295	.00277	.039	.045	.052	.00176	.143	.00251	.00071
%RSD	1.3417	1.3466	.38535	.42505	.48517	.86725	1.3490	1.1989	.34042

#1	.21807	.20391	10.104	10.446	10.781	.20205	10.530	.20737	.20759
#2	.22225	.20783	10.160	10.509	10.708	.20454	10.733	.21092	.20660

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.373	.19850	.20519	F .0208	.20065	.19319	10.719	.19189	.20879
Stddev	.044	.00168	.00088	.0364	.00025	.00760	.026	.00077	.00053
%RSD	.42319	.84392	.42652	174.9	.12581	3.9346	.23887	.40267	.25242

#1	10.342	.19968	.20581	.0466	.20047	.19857	10.701	.19244	.20842
#2	10.404	.19731	.20457	-.0049	.20083	.18782	10.737	.19134	.20917

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				11.50					
Low Limit				8.500					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19567	.20204	.20989	F .23522
Stddev	.00183	.00058	.00178	.00265
%RSD	.93533	.28729	.84636	1.1278

#1	.19437	.20245	.20864	.23334
#2	.19696	.20163	.21115	.23709

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				.23000
Low Limit				.17000

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3557.8	5141.0	50717.	9893.1
Stddev	30.1	41.3	648.	17.4
%RSD	.84466	.80415	1.2774	.17593

#1	3536.6	5111.8	51175.	9905.4
#2	3579.1	5170.2	50259.	9880.8

Sample Name: 480-28059-L-1-A Acquired: 11/12/2012 23:43:43 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0071	.02018	.00245	.32824	.13764	.00002	9.6852	.00003	.00023
Stddev	.00036	.00978	.00141	.00014	.00082	.00012	.0360	.00021	.00039
%RSD	50.854	48.495	57.638	.04298	.59710	801.83	.37135	629.10	169.41

#1	-.00046	.02710	.00345	.32814	.13822	.00010	9.6598	-.00011	.00050
#2	-.00097	.01326	.00145	.32834	.13706	-.00007	9.7106	.00018	-.00005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.00065	.07508	6.4171	10.712	.56615	1.6814	.02434	.00054
Stddev	.00060	.00003	.00329	.0128	.259	.00035	.0052	.00006	.00015
%RSD	781.08	4.4615	4.3811	.19877	2.4201	.06243	.30878	.26066	28.718

#1	-.00035	.00067	.07275	6.4081	10.895	.56590	1.6851	.02439	.00065
#2	.00050	.00063	.07741	6.4261	10.529	.56640	1.6778	.02430	.00043

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	411.07	-0.0038	.00267	.0613	.00024	.00014	2.4656	.00017	.52379
Stddev	2.25	.00040	.00248	.0011	.00011	.00388	.0110	.00099	.00120
%RSD	.54640	105.40	93.067	1.802	46.759	2704.2	.44474	592.67	.22835

#1	409.48	-.00010	.00091	.0605	.00016	.00289	2.4578	.00087	.52294
#2	412.65	-.00067	.00442	.0621	.00032	-.00260	2.4733	-.00053	.52463

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00009	.00001	-.00039	.00015
Stddev	.00112	.00072	.00036	.00063
%RSD	1274.9	8360.7	91.186	429.07

#1	.00088	.00051	-.00014	.00060
#2	-.00070	-.00050	-.00064	-.00030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3150.3	4866.1	46997.	9762.8
Stddev	1.7	1.7	57.	19.9
%RSD	.05396	.03588	.12024	.20368

#1	3149.1	4864.8	46957.	9748.7
#2	3151.5	4867.3	47037.	9776.9

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0033	.01369	-0.0019	.06797	.02899	.00000	1.9723	.00009	-0.00008
Stddev	.00032	.00991	.00110	.00015	.00098	.00004	.0189	.00007	.00013
%RSD	98.978	72.388	584.10	.22634	3.3782	798.63	.95625	73.602	176.05

#1	-0.00056	.00668	.00059	.06786	.02830	.00003	1.9856	.00014	-0.00017
#2	-0.00010	.02069	-0.00097	.06808	.02968	-0.00002	1.9590	.00004	.00002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00018	.00028	.01621	1.4331	1.6312	.11502	.35341	.00491	.00032
Stddev	.00003	.00024	.00200	.0272	.0069	.00144	.01862	.00016	.00003
%RSD	15.423	84.435	12.320	1.8945	.42208	1.2537	5.2684	3.2680	8.8068

#1	-0.00016	.00045	.01479	1.4523	1.6361	.11603	.34024	.00479	.00030
#2	-0.00019	.00011	.01762	1.4139	1.6264	.11400	.36658	.00502	.00034

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	83.353	-0.00024	.00098	.0065	-0.00136	-0.00177	.49849	.00033	.10635
Stddev	.153	.00043	.00099	.0025	.00050	.00171	.00347	.00044	.00026
%RSD	.18360	178.13	100.77	38.29	36.829	96.711	.69650	132.97	.24757

#1	83.462	.00006	.00028	.0048	-0.00171	-0.00298	.49604	.00002	.10654
#2	83.245	-0.00054	.00168	.0083	-0.00100	-0.00056	.50095	.00064	.10617

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	-0.00026	-0.00074	-0.00015	-0.00016
Stddev	.00049	.00062	.00037	.00022
%RSD	187.34	84.013	244.12	140.97

#1	.00008	-0.00118	.00011	-0.00031
#2	-0.00061	-0.00030	-0.00041	.00000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3460.7	5063.9	49558.	9801.3
Stddev	25.3	40.6	1414.	100.1
%RSD	.73216	.80248	2.8530	1.0217

#1	3442.8	5035.2	50558.	9730.5
#2	3478.7	5092.7	48558.	9872.1

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05328	10.382	.21930	.53422	.33659	.20943	19.853	.21373	.21932
Stddev	.00010	.029	.00327	.00378	.00341	.00159	.041	.00107	.00158
%RSD	.19172	.28191	1.4914	.70778	1.0127	.76003	.20558	.50224	.72065

#1	.05321	10.362	.22162	.53690	.33418	.20830	19.824	.21449	.22044
#2	.05336	10.403	.21699	.53155	.33901	.21055	19.882	.21297	.21821

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21697	.20765	10.243	16.799	27.060	.75038	12.008	.23657	.21166
Stddev	.00333	.00198	.055	.102	.075	.00466	.113	.00205	.00158
%RSD	1.5338	.95581	.53651	.61010	.27609	.62126	.94144	.86669	.74485

#1	.21462	.20625	10.205	16.726	27.112	.74709	11.928	.23512	.21277
#2	.21933	.20905	10.282	16.871	27.007	.75368	12.088	.23802	.21054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	408.82	.21282	.21627	.0575	.20532	.20240	13.710	.20235	.72500
Stddev	2.50	.00102	.00352	.0033	.00464	.00126	.103	.00163	.00562
%RSD	.61128	.47784	1.6288	5.692	2.2603	.62184	.75219	.80466	.77466

#1	407.05	.21354	.21876	.0598	.20860	.20151	13.637	.20350	.72103
#2	410.59	.21210	.21378	.0552	.20203	.20329	13.783	.20120	.72898

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.20635	.20290	.21384	.24435
Stddev	.00144	.00238	.00245	.00295
%RSD	.69773	1.1746	1.1460	1.2078

#1	.20533	.20458	.21210	.24226
#2	.20737	.20121	.21557	.24643

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3111.7	4875.6	47725.	9767.3
Stddev	8.4	13.0	414.	55.7
%RSD	.26943	.26623	.86740	.56999

#1	3105.7	4866.5	48017.	9806.6
#2	3117.6	4884.8	47432.	9727.9

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05460	10.461	.22307	.53201	.34198	.20943	19.911	.21373	.21855
Stddev	.00127	.005	.00151	.00169	.00710	.00049	.157	.00120	.00176
%RSD	2.3273	.05063	.67665	.31725	2.0754	.23595	.79081	.56240	.80714

#1	.05371	10.464	.22414	.53320	.33696	.20978	20.022	.21458	.21980
#2	.05550	10.457	.22201	.53081	.34700	.20908	19.800	.21288	.21731

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21968	.20921	10.207	16.938	26.499	.75793	11.862	.22785	.20972
Stddev	.00754	.00437	.040	.056	.137	.00154	.384	.00747	.00077
%RSD	3.4310	2.0888	.38757	.33109	.51545	.20330	3.2365	3.2789	.36743

#1	.21435	.20612	10.235	16.898	26.402	.75902	11.591	.22256	.21027
#2	.22501	.21230	10.179	16.978	26.596	.75684	12.133	.23313	.20918

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	409.32	.21021	.21613	.0542	.20706	.20143	13.375	.20760	.72195
Stddev	.90	.00186	.00092	.0044	.00009	.00063	.061	.00064	.00148
%RSD	.21957	.88481	.42662	8.069	.04344	.31209	.45849	.30907	.20545

#1	409.95	.21152	.21548	.0573	.20712	.20099	13.419	.20805	.72300
#2	408.68	.20889	.21678	.0511	.20699	.20188	13.332	.20715	.72091

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19735	.20199	.21390	.24036
Stddev	.00731	.00233	.00662	.00815
%RSD	3.7036	1.1515	3.0947	3.3891

#1	.19219	.20364	.20921	.23460
#2	.20252	.20035	.21858	.24612

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3127.6	4895.6	47134.	9965.6
Stddev	20.8	20.5	70.	83.8
%RSD	.66401	.41968	.14924	.84082

#1	3112.9	4881.1	47184.	9906.3
#2	3142.3	4910.1	47084.	10025.

Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05387	10.426	.21969	.53773	.33761	.20643	19.526	.21434	.21769
Stddev	.00074	.023	.00282	.01006	.00075	.00044	.016	.00386	.00328
%RSD	1.3814	.21709	1.2855	1.8711	.22152	.21263	.08434	1.8006	1.5072

#1	.05334	10.410	.22169	.54484	.33708	.20612	19.515	.21707	.22001
#2	.05439	10.442	.21769	.53061	.33814	.20674	19.538	.21161	.21537

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22001	.20813	10.093	16.759	26.894	.73851	11.947	.22942	.21019
Stddev	.00022	.00034	.012	.105	.084	.00146	.049	.00078	.00241
%RSD	.10184	.16321	.11607	.62679	.31268	.19821	.41385	.33951	1.1444

#1	.22017	.20789	10.084	16.685	26.834	.73748	11.912	.22887	.21189
#2	.21985	.20837	10.101	16.833	26.953	.73955	11.982	.22997	.20849

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	402.04	.20974	.21654	.0572	.20641	.20609	13.104	.20667	.70958
Stddev	.44	.00313	.00560	.0025	.00008	.00574	.015	.00407	.00186
%RSD	.10953	1.4936	2.5871	4.286	.03775	2.7857	.11792	1.9711	.26206

#1	401.73	.21195	.22050	.0589	.20647	.21015	13.093	.20955	.70826
#2	402.35	.20752	.21258	.0554	.20636	.20203	13.115	.20379	.71089

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.19689	.20369	.21106	.24044
Stddev	.00073	.00429	.00017	.00038
%RSD	.37053	2.1075	.07993	.15851

#1	.19637	.20672	.21094	.24071
#2	.19741	.20065	.21117	.24017

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3125.5	4882.9	48034.	9854.4
Stddev	46.2	65.5	3.	51.3
%RSD	1.4768	1.3414	.00566	.52098

#1	3092.8	4836.5	48032.	9818.1
#2	3158.1	4929.2	48035.	9890.7

Sample Name: 480-27667-C-3-E Acquired: 11/12/2012 23:55:16 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0187	.23692	.00293	.02987	.03514	-0.0016	192.06	.00072	.00321
Stddev	.00057	.00297	.00122	.00074	.00001	.00011	.57	.00075	.00059
%RSD	30.636	1.2544	41.546	2.4836	.02987	69.186	.29827	104.84	18.267

#1	-.00146	.23482	.00207	.02935	.03515	-.00023	191.65	.00019	.00280
#2	-.00227	.23902	.00380	.03040	.03513	-.00008	192.46	.00125	.00363

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00246	.00101	2.0913	2.2636	2.6488	.02000	91.362	.16340	.01159
Stddev	.00005	.00037	.0118	.0025	.0224	.00021	.028	.00035	.00051
%RSD	2.0346	36.563	.56465	.11118	.84559	1.0644	.03117	.21285	4.3718

#1	.00243	.00075	2.0829	2.2618	2.6329	.02015	91.382	.16315	.01123
#2	.00250	.00127	2.0996	2.2653	2.6646	.01985	91.342	.16365	.01195

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.5444	.00481	.00196	F 134.2	.00009	-0.00243	10.850	.00010	.19368
Stddev	.0112	.00072	.00051	1.9	.00169	.00316	.027	.00058	.00013
%RSD	.13081	15.049	25.777	1.388	1886.6	130.09	.25222	586.68	.06854

#1	8.5365	.00430	.00160	135.5	-.00111	-.00466	10.830	-.00031	.19358
#2	8.5523	.00532	.00232	132.9	.00129	-.00019	10.869	.00051	.19377

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00634	-.00029	.00064	.00492
Stddev	.00156	.00114	.00020	.00041
%RSD	24.681	397.93	30.865	8.3845

#1	.00744	.00052	.00050	.00521
#2	.00523	-.00109	.00078	.00463

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3285.4	4862.4	48992.	9997.0
Stddev	26.5	35.5	27.	78.2
%RSD	.80513	.72910	.05555	.78191

#1	3266.6	4837.4	49011.	10052.
#2	3304.1	4887.5	48972.	9941.7

Sample Name: 27862-1 tot raw Acquired: 11/12/2012 23:57:25 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 { 74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-00096	.01998	.02244	3.0649	.18471	.00008	280.38	.00146	.01325
Stddev	.00121	.00254	.00010	.1264	.00150	.00003	1.45	.00027	.00095
%RSD	125.16	12.694	.44964	4.1237	.81195	40.820	.51700	18.721	7.1499

#1	-.00182	.01819	.02251	3.1542	.18364	.00010	281.40	.00166	.01392
#2	-.00011	.02178	.02237	2.9755	.18577	.00006	279.35	.00127	.01258

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 { 44}	766.490 { 44}2	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00985	.00321	4.6868	288.84	^ *****	.06784	F 294.64	.24876	.00880
Stddev	.00021	.00015	.0206	1.21	----	.00060	1.16	.00011	.00072
%RSD	2.0940	4.5411	.43921	.41997	----	.88078	.39279	.04602	8.1917

#1	.00971	.00331	4.7014	289.70	^ -----	.06742	293.83	.24884	.00931
#2	.01000	.00311	4.6723	287.98	165.64	.06826	295.46	.24868	.00829

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							250.00		
Low Limit							-20000		

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 { 41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 { 83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1164.4	.21348	.00136	F 406.5	.00040	.00766	12.441	.00368	.92708
Stddev	1.8	.01124	.00130	19.8	.00035	.00099	.125	.00095	.00053
%RSD	.15114	5.2658	95.622	4.880	85.718	12.959	1.0053	25.822	.05741

#1	1163.2	.22143	.00228	420.5	.00065	.00836	12.353	.00435	.92670
#2	1165.7	.20553	.00044	392.5	.00016	.00696	12.530	.00301	.92746

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00496	-.00983	.00874	.03271
Stddev	.00030	.00130	.00075	.00153
%RSD	6.0136	13.268	8.6002	4.6756

#1	.00475	-.01075	.00927	.03163
#2	.00517	-.00891	.00821	.03379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2894.4	4672.1	43982.	9617.3
Stddev	127.4	195.5	572.	114.4
%RSD	4.4005	4.1836	1.3006	1.1894

#1	2804.3	4533.9	44386.	9698.2
#2	2984.4	4810.3	43577.	9536.4

Sample Name: 27883-1 tot raw Acquired: 11/12/2012 23:59:47 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0053	-0.0096	.00549	.00923	.16729	-0.0004	73.442	-0.0002	.01343
Stddev	.00086	.00822	.00055	.00063	.00051	.00004	.419	.00005	.00012
%RSD	162.78	82.507	10.077	6.7828	.30326	103.69	.57080	225.51	.89269

#1	.00008	-.01578	.00510	.00967	.16765	-.00001	73.739	.00001	.01352
#2	-.00114	-.00415	.00588	.00878	.16693	-.00006	73.146	-.00006	.01335

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00072	.00025	4.6541	2.3865	1.5737	.00149	44.312	.53973	.00027
Stddev	.00014	.00005	.0286	.0709	.0393	.00071	.077	.00089	.00012
%RSD	19.517	21.028	.61511	2.9696	2.4947	47.620	.17311	.16528	45.054

#1	.00082	.00021	4.6743	2.4366	1.5460	.00099	44.366	.54036	.00035
#2	.00062	.00028	4.6338	2.3363	1.6015	.00199	44.258	.53910	.00018

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.7089	.03033	.00114	1.751	-0.00020	-0.00493	5.4821	-0.00053	.03976
Stddev	.0116	.00016	.00037	.022	.00121	.00262	.0144	.00024	.00030
%RSD	.42738	.51887	32.356	1.233	604.34	53.036	.26181	45.324	.76088

#1	2.7171	.03022	.00140	1.766	-.00105	-.00308	5.4923	-.00070	.03998
#2	2.7007	.03044	.00088	1.736	.00065	-.00678	5.4720	-.00036	.03955

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00073	.00048	.00024	.01839
Stddev	.00011	.00088	.00057	.00030
%RSD	14.606	183.65	236.31	1.6216

#1	.00065	.00110	-.00016	.01860
#2	.00080	-.00014	.00065	.01818

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3603.6	5223.1	51919.	10132.
Stddev	7.2	8.2	69.	38.
%RSD	.19954	.15609	.13239	.37419

#1	3608.6	5228.8	51870.	10106.
#2	3598.5	5217.3	51968.	10159.

Sample Name: 27903-1 tot raw Acquired: 11/13/2012 0:01:54 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0092	.00305	.01233	.06072	.25589	-0.0001	100.41	.00000	.00042
Stddev	.00017	.01618	.00043	.00027	.00220	.00005	.18	.00005	.00003
%RSD	18.918	530.42	3.4975	.44359	.85971	862.28	.17769	1469.8	8.0575

#1	-.00080	.01449	.01202	.06053	.25433	.00003	100.53	-.00003	.00040
#2	-.00105	-.00839	.01263	.06091	.25744	-.00004	100.28	.00004	.00045

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00132	.00090	1.6789	3.8968	^ *****	.00397	39.758	.03479	.00237
Stddev	.00104	.00084	.0113	.0174	----	.00006	.563	.00345	.00001
%RSD	78.524	93.000	.67240	.44597	----	1.6003	1.4165	9.9113	.40201

#1	.00205	.00150	1.6869	3.9091	^ ----	.00402	40.156	.03723	.00236
#2	.00059	.00031	1.6709	3.8845	4.5039	.00393	39.359	.03235	.00238

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	32.301	.00066	.00023	F 19.64	-0.0062	-0.0408	6.2846	-0.0060	.53836
Stddev	.047	.00007	.00056	.11	.00172	.00215	.0289	.00025	.00173
%RSD	.14678	11.354	246.46	.5503	278.41	52.775	.46018	41.931	.32216

#1	32.334	.00060	-.00017	19.72	.00060	-.00560	6.3050	-.00042	.53714
#2	32.267	.00071	.00062	19.57	-.00184	-.00256	6.2641	-.00078	.53959

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00178	.00009	.00075	.00108
Stddev	.00122	.00278	.00034	.00105
%RSD	68.631	3254.0	45.106	97.804

#1	.00264	-.00188	.00099	.00182
#2	.00092	.00205	.00051	.00033

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3489.0	5114.6	50790.	10112.
Stddev	8.1	9.1	208.	10.
%RSD	.23347	.17765	.40986	.10000

#1	3494.7	5121.0	50937.	10104.
#2	3483.2	5108.2	50643.	10119.

Sample Name: CCV Acquired: 11/13/2012 0:04:02 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52335	25.663	.50822	.51069	.52318	.49986	26.367	.51045	.50029	.53114	.50520	24.628
Stddev	.00654	.075	.00133	.00405	.00013	.00122	.007	.00246	.00349	.00645	.00383	.036
%RSD	1.2495	.29270	.26229	.79398	.02417	.24371	.02542	.48214	.69829	1.2143	.75905	.14579

#1	.51872	25.716	.50728	.50782	.52309	.50072	26.362	.50871	.49782	.52658	.50249	24.653
#2	.52797	25.610	.50916	.51355	.52327	.49900	26.372	.51219	.50276	.53570	.50791	24.603

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.370	F 27.801	.50606	25.479	.51469	.50690	25.865	.49445	.50726	23.69	.49691	.50055
Stddev	.007	.081	.00087	.307	.00517	.00505	.032	.00255	.00113	.13	.00077	.00472
%RSD	.02842	.28999	.17138	1.2045	1.0053	.99674	.12198	.51669	.22251	.5610	.15579	.94240

#1	26.364	27.744	.50668	25.262	.51103	.50332	25.887	.49264	.50646	23.60	.49636	.50389
#2	26.375	27.858	.50545	25.696	.51834	.51047	25.843	.49626	.50806	23.79	.49746	.49722

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		25.000										
Range		10.000%										

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	26.275	.49117	.52273	.49581	.51872	.52662	.54423
Stddev	.029	.00329	.00016	.00579	.00243	.00714	.00951
%RSD	.11021	.67023	.03149	1.1686	.46786	1.3551	1.7466

#1	26.254	.48885	.52261	.49172	.52044	.52157	.53751
#2	26.295	.49350	.52285	.49991	.51701	.53167	.55095

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3398.0	5036.6	49696.	9605.6
Stddev	8.0	8.3	472.	.9
%RSD	.23507	.16409	.94950	.00932

#1	3403.6	5042.5	50030.	9606.2
#2	3392.3	5030.8	49363.	9605.0

Sample Name: CCB Acquired: 11/13/2012 0:06:13 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00076	.00825	.00194	.00878	.00005	-0.00002	.00712	.00099	.00088	-0.00011	-0.00007	.00098	.26619
Stddev	.00012	.00480	.00008	.00729	.00001	.00007	.00231	.00084	.00073	.00036	.00051	.00223	.05548
%RSD	16.110	58.178	4.0848	83.031	23.757	313.15	32.500	85.215	82.955	327.87	722.44	227.43	20.843

#1	-0.00067	.01165	.00188	.00362	.00006	-0.00007	.00876	.00039	.00036	.00014	.00029	-0.00060	.30542
#2	-0.00084	.00486	.00200	.01393	.00004	.00003	.00548	.00158	.00139	-0.00036	-0.00044	.00256	.22696

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00781	-0.00005	.00568	-0.00001	.00104	.14272	.00064	.00301	F .6999	.00026	-0.00050	.02542	.00074
Stddev	.00015	.00068	.00302	.00004	.00069	.00346	.00109	.00063	.9233	.00165	.00554	.01776	.00028
%RSD	1.9462	1387.1	53.136	245.16	66.134	2.4211	170.63	20.958	131.9	625.85	1110.8	69.857	37.229

#1	.00791	.00043	.00781	-0.00004	.00056	.14516	-0.0013	.00256	.0470	.00143	-0.00442	.03798	.00055
#2	.00770	-0.00053	.00355	.00001	.00153	.14028	.00140	.00345	1.353	-0.00090	.00342	.01286	.00094

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	-0.00004	-0.00027	.00063	-0.00037	.00043
Stddev	.00006	.00025	.00156	.00013	.00018
%RSD	164.20	94.679	245.89	35.851	41.590

#1	-0.00008	-0.00045	-0.00047	-0.00046	.00030
#2	.00001	-0.00009	.00173	-0.00028	.00055

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3686.3	5185.6	52474.	9729.8
Stddev	69.6	59.3	166.	70.9
%RSD	1.8878	1.1441	.31693	.72853

#1	3735.5	5227.5	52356.	9679.7
#2	3637.0	5143.6	52592.	9779.9

Sample Name: 27903-5 tot raw Acquired: 11/13/2012 0:08:28 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0127	.02878	.00331	.07455	.16540	.00022	102.05	.00058	.00091
Stddev	.00007	.00758	.00262	.00055	.00147	.00002	.70	.00071	.00066
%RSD	5.9143	26.347	79.121	.74192	.89174	8.7469	.68433	122.43	72.741

#1	-.00121	.03415	.00516	.07494	.16644	.00020	101.56	.00108	.00138
#2	-.00132	.02342	.00146	.07416	.16436	.00023	102.55	.00008	.00044

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00099	.00102	.46204	4.5889	6.4099	.00463	36.954	.25431	.00219
Stddev	.00035	.00031	.00530	.0660	.0578	.00112	.512	.00276	.00065
%RSD	35.662	29.871	1.1472	1.4386	.90106	24.292	1.3861	1.0850	29.831

#1	.00123	.00124	.45829	4.5423	6.4507	.00384	37.316	.25626	.00265
#2	.00074	.00081	.46579	4.6356	6.3690	.00543	36.592	.25236	.00173

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	50.169	.00146	.00194	F 16.39	-0.0062	-0.00384	4.5404	.00009	.58672
Stddev	.053	.00005	.00051	.04	.00069	.00057	.0386	.00052	.00498
%RSD	.10536	3.4190	26.085	.2366	111.01	14.788	.85099	590.50	.84933

#1	50.207	.00149	.00230	16.36	-.00013	-.00344	4.5131	.00045	.58320
#2	50.132	.00142	.00158	16.41	-.00111	-.00425	4.5678	-.00028	.59025

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00141	.00084	.00087	.00026
Stddev	.00028	.00179	.00016	.00001
%RSD	19.866	212.61	18.616	3.2948

#1	.00122	.00211	.00076	.00025
#2	.00161	-.00042	.00098	.00027

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3520.0	5195.7	50939.	9932.9
Stddev	25.1	40.8	237.	4.6
%RSD	.71198	.78557	.46429	.04597

#1	3537.7	5224.6	50772.	9929.7
#2	3502.3	5166.9	51107.	9936.2

Sample Name: 27975-5 dis raw Acquired: 11/13/2012 0:10:36 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0158	.00081	.20867	.12177	.56561	-0.00005	183.89	-0.00052	.00122
Stddev	.00043	.00670	.00128	.00009	.00640	.00004	2.05	.00011	.00019
%RSD	26.972	823.82	.61388	.07369	1.1323	85.495	1.1171	22.083	15.422

#1	-.00188	.00555	.20776	.12170	.56108	-.00002	182.44	-.00044	.00135
#2	-.00128	-.00392	.20958	.12183	.57014	-.00008	185.35	-.00060	.00109

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00070	.00090	22.529	2.8837	3.8326	.03760	77.674	1.8781	.00110
Stddev	.00045	.00030	.208	.0226	.0816	.00111	.529	.0149	.00012
%RSD	65.206	32.708	.92444	.78462	2.1289	2.9500	.68072	.79062	11.242

#1	.00102	.00069	22.382	2.8677	3.7749	.03681	78.048	1.8886	.00118
#2	.00038	.00111	22.676	2.8997	3.8903	.03838	77.300	1.8676	.00101

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.701	.00419	.00230	F 20.47	.00078	-0.00172	29.254	-0.00036	.61988
Stddev	.150	.00016	.00135	.01	.00040	.00030	.211	.00034	.00843
%RSD	1.0218	3.7662	58.411	.0273	50.856	17.138	.72002	94.996	1.3591

#1	14.595	.00430	.00135	20.47	.00107	-.00151	29.106	-.00060	.61392
#2	14.807	.00407	.00326	20.48	.00050	-.00193	29.403	-.00012	.62584

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00154	-.00105	.00155	.00400
Stddev	.00055	.00084	.00044	.00056
%RSD	35.613	80.435	28.109	13.990

#1	.00116	-.00165	.00124	.00440
#2	.00193	-.00045	.00186	.00360

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3390.6	5051.0	50147.	10052.
Stddev	14.6	20.7	259.	166.
%RSD	.43193	.41026	.51623	1.6470

#1	3400.9	5065.6	49964.	10169.
#2	3380.2	5036.3	50330.	9935.0

Sample Name: 27832-2 tot raw Acquired: 11/13/2012 0:12:48 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0148	.00128	.00312	.01017	.02107	-0.0001	43.944	.00005	.00020
Stddev	.00056	.00442	.00163	.00005	.00037	.00012	.115	.00014	.00001
%RSD	37.908	344.76	52.092	.44912	1.7717	1611.0	.26132	296.73	2.8526

#1	-.00188	-.00184	.00427	.01014	.02134	-.00009	43.863	.00014	.00020
#2	-.00109	.00441	.00197	.01021	.02081	.00008	44.025	-.00005	.00019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00136	.00080	.06184	1.4192	1.7730	.00137	4.3030	.64134	.00003
Stddev	.00057	.00037	.01521	.0430	.0037	.00104	.0615	.00530	.00012
%RSD	42.058	46.331	24.597	3.0283	.20905	75.902	1.4297	.82601	337.28

#1	.00096	.00054	.07260	1.3888	1.7756	.00064	4.3465	.64509	.00012
#2	.00177	.00107	.05108	1.4496	1.7704	.00211	4.2595	.63760	-.00005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	108.05	.00010	.00128	6.564	-0.00048	-0.00303	4.9283	-0.00053	.16359
Stddev	.00	.00017	.00038	.003	.00060	.00260	.0065	.00013	.00041
%RSD	.00167	164.12	30.132	.0467	125.26	85.781	.13257	24.419	.25273

#1	108.05	-.00002	.00155	6.566	-.00090	-.00487	4.9329	-.00062	.16329
#2	108.05	.00022	.00101	6.562	-.00005	-.00119	4.9237	-.00044	.16388

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00033	.00168	.00056	.00256
Stddev	.00023	.00221	.00028	.00026
%RSD	69.036	131.31	49.859	10.030

#1	.00049	.00325	.00036	.00237
#2	.00017	.00012	.00075	.00274

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3507.9	5187.7	50726.	10002.
Stddev	3.9	7.4	220.	61.
%RSD	.11058	.14349	.43418	.60600

#1	3510.6	5192.9	50882.	10045.
#2	3505.1	5182.4	50571.	9959.1

Sample Name: 27832-4 tot raw Acquired: 11/13/2012 0:14:54 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0078	.35867	.01322	.09005	.36976	.00000	151.73	-0.0026	.00682
Stddev	.00093	.00824	.00414	.00134	.00005	.00001	.24	.00084	.00058
%RSD	120.01	2.2988	31.295	1.4905	.01277	223.12	.16092	317.74	8.5259

#1	-.00144	.35284	.01029	.08910	.36979	.00000	151.91	-.00086	.00641
#2	-.00012	.36450	.01614	.09099	.36973	.00001	151.56	.00033	.00723

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00117	.00409	50.009	6.1645	9.1062	.02531	32.289	3.7057	.00058
Stddev	.00011	.00026	.017	.0005	.2019	.00053	.068	.0038	.00096
%RSD	9.3393	6.3240	.03347	.00847	2.2171	2.1024	.21010	.10298	164.21

#1	.00109	.00391	49.997	6.1648	9.2489	.02493	32.337	3.7084	-.00009
#2	.00125	.00427	50.021	6.1641	8.9634	.02569	32.241	3.7030	.00126

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	87.504	.00592	.00252	2.097	-0.0047	.00120	10.220	.00036	.80805
Stddev	.066	.00058	.00174	.298	.00032	.00077	.000	.00036	.00124
%RSD	.07513	9.7889	69.022	14.21	68.683	64.032	.00427	100.87	.15292

#1	87.457	.00551	.00129	1.887	-.00069	.00066	10.220	.00061	.80717
#2	87.550	.00633	.00375	2.308	-.00024	.00174	10.220	.00010	.80892

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.01052	.00446	.00251	.01118
Stddev	.00075	.00092	.00029	.00006
%RSD	7.1289	20.642	11.554	.51482

#1	.00999	.00381	.00230	.01114
#2	.01105	.00511	.00271	.01122

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3356.6	5084.1	49269.	9974.9
Stddev	22.2	15.9	224.	8.7
%RSD	.65993	.31331	.45540	.08738

#1	3341.0	5072.8	49428.	9968.8
#2	3372.3	5095.3	49110.	9981.1

Sample Name: 27832-6 tot raw Acquired: 11/13/2012 0:17:02 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0180	.01217	.00376	.00745	.03796	-0.0006	109.03	.00007	.00071
Stddev	.00001	.00971	.00020	.00004	.00002	.00008	.34	.00006	.00003
%RSD	.66868	79.812	5.4128	.59851	.06562	132.10	.31177	77.590	3.6230

#1	-.00179	.00530	.00361	.00748	.03798	.00000	108.79	.00003	.00072
#2	-.00180	.01904	.00390	.00742	.03795	-.00011	109.27	.00011	.00069

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00220	.00300	2.1124	1.2927	2.2056	.00287	19.214	.54756	.00026
Stddev	.00042	.00025	.0155	.0021	.0209	.00049	.137	.00243	.00013
%RSD	19.054	8.3908	.73314	.16305	.94921	17.059	.71115	.44470	50.945

#1	.00191	.00282	2.1014	1.2912	2.1908	.00321	19.310	.54928	.00016
#2	.00250	.00318	2.1233	1.2942	2.2205	.00252	19.117	.54584	.00035

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	430.44	.00109	-0.00018	F 24.13	-0.00095	-0.00419	5.6014	-0.00051	.38368
Stddev	2.02	.00012	.00057	.08	.00051	.00416	.0440	.00001	.00247
%RSD	.47025	11.353	309.93	.3369	53.459	99.469	.78613	1.5796	.64411

#1	429.01	.00118	.00022	24.19	-.00131	-.00713	5.5703	-.00052	.38193
#2	431.87	.00100	-.00059	24.08	-.00059	-.00124	5.6325	-.00051	.38542

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00113	.00289	.00003	.00102
Stddev	.00008	.00038	.00017	.00024
%RSD	7.0301	13.119	632.42	23.521

#1	.00107	.00262	-.00009	.00085
#2	.00118	.00316	.00015	.00119

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3165.1	4927.1	47872.	9880.3
Stddev	22.4	34.7	44.	111.6
%RSD	.70663	.70421	.09265	1.1294

#1	3181.0	4951.6	47841.	9959.2
#2	3149.3	4902.6	47903.	9801.4

Sample Name: 27846-1 tot raw Acquired: 11/13/2012 0:19:11 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0187	.68595	.00054	.01405	.02431	.00000	26.668	-0.0019	.00007
Stddev	.00004	.00116	.00143	.00049	.00015	.0000	.303	.00012	.00006
%RSD	2.3329	.16851	262.76	3.4767	.61184	86.298	1.1351	66.314	92.035

#1	-.00184	.68513	-.00047	.01371	.02441	.00000	26.883	-.00010	.00011
#2	-.00190	.68676	.00155	.01440	.02420	-.00001	26.454	-.00027	.00002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00059	.34318	4.1220	4.5476	.02146	.86833	.03018	.00189
Stddev	.00031	.00001	.00391	.0030	.0206	.00044	.00108	.00017	.00013
%RSD	124.46	1.4953	1.1399	.07263	.45326	2.0672	.12417	.57090	7.0675

#1	.00047	.00060	.34594	4.1241	4.5622	.02178	.86757	.03030	.00198
#2	.00003	.00059	.34041	4.1199	4.5330	.02115	.86909	.03006	.00179

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.266	.00044	.00247	F 10.57	-0.0012	-0.00107	3.8969	-0.00030	.55251
Stddev	.111	.00013	.00084	.05	.00053	.00548	.0029	.00049	.00392
%RSD	.98114	29.697	34.195	.4575	441.04	512.74	.07561	161.74	.70995

#1	11.344	.00054	.00306	10.61	.00025	.00281	3.8990	.00004	.55529
#2	11.187	.00035	.00187	10.54	-.00049	-.00494	3.8948	-.00065	.54974

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.01704	.00112	.00045	.01384
Stddev	.00071	.00001	.00067	.00013
%RSD	4.1842	.73125	149.60	.94286

#1	.01653	.00112	-.00003	.01393
#2	.01754	.00113	.00092	.01375

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3765.6	5314.1	52464.	9971.9
Stddev	18.1	26.1	383.	79.3
%RSD	.47958	.49038	.73065	.79560

#1	3778.4	5332.5	52193.	9915.8
#2	3752.8	5295.7	52735.	10028.

Sample Name: 27875-9 tot raw Acquired: 11/13/2012 0:21:17 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0024	-0.0046	.00107	.00490	.02547	.00010	8.9808	-0.0002	.00027
Stddev	.00092	.01509	.00148	.00026	.00001	.00004	.0164	.00016	.00008
%RSD	379.94	3245.2	138.13	5.2192	.04548	42.416	.18243	847.49	27.981

#1	-.00089	-.01114	.00212	.00472	.02547	.00007	8.9924	-.00013	.00033
#2	.00041	.01021	.00002	.00508	.02546	.00013	8.9692	.00010	.00022

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0011	.00100	.03525	1.0333	.90988	.00636	6.1920	.00184	-0.0016
Stddev	.00026	.00004	.00309	.0095	.00149	.00040	.0111	.00006	.00009
%RSD	231.39	4.1444	8.7545	.91793	.16358	6.3461	.17848	3.4202	52.402

#1	.00007	.00097	.03307	1.0266	.91094	.00607	6.1842	.00188	-.00022
#2	-.00030	.00103	.03744	1.0400	.90883	.00664	6.1998	.00179	-.00010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.3604	.00061	.00096	.9311	-0.0052	-0.00264	6.9798	-0.0016	.03925
Stddev	.0169	.00004	.00040	.0365	.00065	.00302	.0356	.00031	.00015
%RSD	.17996	7.1172	42.137	3.925	124.78	114.50	.50983	190.76	.37489

#1	9.3485	.00064	.00124	.9569	-.00006	-.00050	7.0050	-.00039	.03914
#2	9.3723	.00058	.00067	.9053	-.00099	-.00477	6.9547	.00006	.03935

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00021	-0.00065	.00019	.00432
Stddev	.00003	.00033	.00042	.00032
%RSD	12.458	51.482	222.82	7.4806

#1	.00023	-.00041	-.00011	.00455
#2	.00019	-.00089	.00049	.00409

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3764.6	5304.3	52575.	9987.6
Stddev	4.3	6.5	217.	10.9
%RSD	.11526	.12291	.41253	.10909

#1	3767.7	5308.9	52728.	9979.9
#2	3761.6	5299.7	52422.	9995.3

Sample Name: 27741-13 tot raw Acquired: 11/13/2012 0:23:31 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0120	.08233	.00233	.27703	.01161	.00014	4.5870	-0.0010	.00031
Stddev	.00042	.01470	.00138	.00013	.00003	.00009	2.8920	.00015	.00013
%RSD	34.621	17.860	59.129	.04669	.21792	65.093	63.047	149.97	41.563

#1	-.00091	.09273	.00331	.27712	.01159	.00020	6.6320	-.00020	.00022
#2	-.00150	.07194	.00136	.27694	.01163	.00007	2.5421	.00001	.00041

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0014	.00030	.54943	2.9958	4.6089	.17562	.33419	.00414	.00061
Stddev	.00013	.00013	.38241	.0162	.0410	.01002	.00131	.00034	.00020
%RSD	90.641	43.842	69.601	.53930	.88994	5.7079	.39176	8.1296	32.885

#1	-.00023	.00039	.81984	2.9844	4.5799	.16853	.33512	.00438	.00047
#2	-.00005	.00021	.27903	3.0072	4.6379	.18270	.33327	.00391	.00075

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	163.95	.00057	.00282	F 10.43	-0.00072	-0.00493	4.3160	-0.00017	.09823
Stddev	4.71	.00005	.00080	.00	.00089	.00277	.0564	.00035	.01381
%RSD	2.8746	8.3859	28.508	.0412	124.04	56.248	1.3064	211.03	14.055

#1	160.62	.00060	.00225	10.43	-.00135	-.00689	4.3559	-.00042	.10799
#2	167.29	.00053	.00338	10.44	-.00009	-.00297	4.2762	.00008	.08846

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00120	-.00131	.00033	.00061
Stddev	.00012	.00059	.00024	.00022
%RSD	10.047	45.256	74.380	36.237

#1	.00112	-.00173	.00015	.00077
#2	.00129	-.00089	.00050	.00045

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3493.7	5192.2	50553.	10133.
Stddev	8.4	25.9	307.	122.
%RSD	.23915	.49971	.60753	1.2055

#1	3499.6	5210.6	50770.	10220.
#2	3487.8	5173.9	50336.	10047.

Sample Name: 27741-1 tot raw Acquired: 11/13/2012 0:25:51 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0104	.01002	.00174	.02388	.07155	-0.0006	251.23	.00003	-0.00008
Stddev	.00065	.00112	.00147	.00055	.00004	.00002	.11	.00002	.00017
%RSD	61.947	11.204	84.419	2.3120	.05879	35.454	.04448	83.285	217.96

#1	-.00059	.00923	.00070	.02349	.07158	-.00005	251.15	.00001	.00004
#2	-.00150	.01082	.00278	.02427	.07152	-.00008	251.31	.00005	-.00020

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00096	.00087	.00612	1.8784	2.3416	.02248	42.501	.00795	-0.00007
Stddev	.00013	.00007	.00180	.0004	.0159	.00023	.170	.00002	.00001
%RSD	13.336	7.6314	29.373	.02189	.67971	1.0400	.39984	.30143	17.340

#1	.00087	.00092	.00485	1.8781	2.3304	.02232	42.621	.00796	-.00006
#2	.00105	.00082	.00740	1.8787	2.3529	.02265	42.381	.00793	-.00008

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.3959	.00049	.00081	F 117.7	.00119	.00075	8.1450	-0.00099	.57171
Stddev	.0225	.00010	.00100	.1	.00011	.00079	.0175	.00081	.00079
%RSD	.23961	19.901	124.03	.0572	9.2531	106.05	.21474	82.516	.13832

#1	9.3800	.00043	.00151	117.8	.00127	.00130	8.1574	-.00156	.57115
#2	9.4118	.00056	.00010	117.7	.00111	.00019	8.1327	-.00041	.57227

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00156	-.00020	.00034	.00098
Stddev	.00023	.00219	.00038	.00058
%RSD	14.770	1103.1	110.59	59.688

#1	.00172	.00135	.00007	.00057
#2	.00140	-.00175	.00061	.00139

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3365.9	4958.4	49198.	9835.9
Stddev	5.6	10.7	93.	78.8
%RSD	.16778	.21556	.18983	.80069

#1	3369.9	4966.0	49132.	9891.6
#2	3361.9	4950.9	49264.	9780.2

Sample Name: 27777-4 tot raw Acquired: 11/13/2012 0:28:09 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0146	.10417	-0.0094	.02331	.02468	.00005	19.191	-0.0009	.00002
Stddev	.00010	.00108	.00111	.00039	.00019	.00008	.088	.00001	.00006
%RSD	6.6993	1.0384	118.71	1.6881	.77300	161.15	.45794	11.809	256.26

#1	-.00139	.10493	-.00173	.02304	.02482	.00011	19.129	-.00008	.00006
#2	-.00153	.10340	-.00015	.02359	.02455	-.00001	19.253	-.00010	-.00002

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00099	.00301	.07991	3.0006	3.5101	.00109	5.6582	.00822	.00055
Stddev	.00012	.00026	.00382	.0157	.0677	.00006	.0436	.00012	.00010
%RSD	11.721	8.6163	4.7803	.52330	1.9291	5.1186	.77105	1.5086	18.830

#1	.00090	.00320	.07721	2.9895	3.4623	.00113	5.6891	.00831	.00048
#2	.00107	.00283	.08261	3.0117	3.5580	.00105	5.6274	.00813	.00062

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.309	.00225	.00288	4.320	.00068	-.00330	4.0848	-.00099	.06104
Stddev	.219	.00015	.00010	.009	.00075	.00026	.0548	.00018	.00054
%RSD	.89988	6.8095	3.4783	.2085	110.35	8.0017	1.3420	18.368	.88201

#1	24.154	.00236	.00295	4.314	.00015	-.00349	4.0460	-.00086	.06066
#2	24.464	.00214	.00281	4.326	.00121	-.00311	4.1235	-.00111	.06142

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00197	-.00033	.00048	.01792
Stddev	.00019	.00131	.00030	.00047
%RSD	9.6634	402.33	63.213	2.6401

#1	.00210	.00060	.00069	.01826
#2	.00183	-.00125	.00026	.01759

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3665.4	5227.6	51903.	10065.
Stddev	11.8	15.2	276.	167.
%RSD	.32114	.29058	.53233	1.6574

#1	3673.7	5238.3	51708.	10183.
#2	3657.1	5216.8	52099.	9946.8

Sample Name: CCV Acquired: 11/13/2012 0:30:20 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52034	25.021	.51338	.50981	.51074	.48813	26.698	.51029	.49933	.52642	.50579	24.004
Stddev	.00189	.413	.00286	.00363	.00949	.00880	1.206	.00134	.00060	.00384	.00023	.390
%RSD	.36230	1.6512	.55702	.71162	1.8587	1.8031	4.5161	.26325	.12032	.72864	.04465	1.6254

#1	.51901	25.313	.51540	.51237	.51745	.49436	25.845	.51124	.49975	.52371	.50563	24.280
#2	.52167	24.729	.51135	.50724	.50403	.48191	27.550	.50934	.49890	.52914	.50595	23.728

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.540	F 27.978	.49593	25.346	.51311	.50828	25.976	.49360	.50855	23.81	.50051	.50420
Stddev	.402	.457	.00955	.043	.00178	.00068	.724	.00131	.00128	.05	.00099	.00504
%RSD	1.5739	1.6329	1.9250	.16865	.34610	.13421	2.7876	.26574	.25213	.2266	.19774	.99940

#1	25.824	27.655	.50268	25.315	.51185	.50876	25.464	.49453	.50764	23.77	.50121	.50776
#2	25.255	28.301	.48918	25.376	.51437	.50780	26.488	.49267	.50946	23.85	.49981	.50063

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		25.000										
Range		10.000%										

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.590	.49142	.51058	.49457	.51865	.52276	.54257
Stddev	.236	.00048	.00472	.00017	.00124	.00487	.00490
%RSD	.92405	.09853	.92391	.03426	.23922	.93141	.90289

#1	25.757	.49176	.51392	.49445	.51953	.51932	.53911
#2	25.423	.49108	.50725	.49469	.51777	.52620	.54603

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3426.5	5078.6	50135.	9758.3
Stddev	1.0	11.6	58.	105.8
%RSD	.02980	.22915	.11575	1.0845

#1	3425.8	5070.3	50094.	9833.1
#2	3427.2	5086.8	50176.	9683.5

Sample Name: CCB Acquired: 11/13/2012 0:32:30 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0121	.00622	.00139	.00121	.00001	.00004	.01010	-0.0002	.00014	.00007	-0.00064	.00487	.13735
Stddev	.00003	.01135	.00089	.00016	.00001	.00000	.00133	.00014	.00019	.00004	.00011	.00200	.00816
%RSD	2.6215	182.54	64.063	13.120	102.58	5.0544	13.164	628.56	130.46	51.395	17.384	41.130	5.9423

#1	-0.0123	-0.0181	.00202	.00110	.00002	.00004	.00916	.00008	.00028	.00010	-0.0071	.00629	.14313
#2	-0.0119	.01425	.00076	.00132	.00000	.00004	.01104	-0.0012	.00001	.00004	-0.00056	.00346	.13158

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00457	.00071	.00166	.00009	.00023	.07040	-0.0027	.00073	F .0132	.00065	-0.00005	.01796	-0.00073
Stddev	.00051	.00087	.00256	.00006	.00000	.00287	.00007	.00023	.0031	.00225	.00203	.01077	.00005
%RSD	11.206	122.57	154.34	62.340	.60445	4.0765	27.295	31.327	23.68	348.87	3882.6	59.980	7.3552

#1	.00494	.00133	-0.0015	.00013	.00023	.07243	-0.0021	.00057	.0110	-0.00095	.00138	.01034	-0.00069
#2	.00421	.00010	.00347	.00005	.00023	.06837	-0.0032	.00089	.0154	.00224	-0.0149	.02557	-0.00077

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.00017	-0.00013	-0.00015	.00012
Stddev	.00003	.00021	.00025	.00017	.00053
%RSD	638.20	120.90	187.47	111.68	428.39

#1	.00003	.00032	.00004	-0.00027	-0.00025
#2	-0.00002	.00003	-0.00031	-0.00003	.00050

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3736.5	5234.2	52114.	9938.3
Stddev	2.6	9.7	73.	38.9
%RSD	.06861	.18535	.14035	.39130

#1	3734.7	5241.1	52166.	9965.8
#2	3738.3	5227.4	52062.	9910.8

Sample Name: 27778-12 tot raw Acquired: 11/13/2012 0:34:40 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0126	.25707	.00019	.01354	.23624	.00139	13.697	.00007	.01061
Stddev	.00013	.00505	.00123	.00012	.00048	.00002	.200	.00000	.00011
%RSD	10.273	1.9644	663.07	.91289	.20321	1.2954	1.4584	7.0920	.99372

#1	-.00135	.25350	-.00069	.01345	.23658	.00138	13.838	.00007	.01054
#2	-.00116	.26064	.00106	.01362	.23590	.00140	13.556	.00006	.01069

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00061	.00179	.00563	2.1224	2.9627	.00498	13.161	.15095	.00004
Stddev	.00026	.00032	.00144	.0406	.0215	.00110	.022	.00019	.00022
%RSD	41.869	17.904	25.621	1.9123	.72528	22.070	.16636	.12805	553.11

#1	.00043	.00156	.00461	2.1511	2.9779	.00575	13.145	.15109	-.00011
#2	.00079	.00202	.00665	2.0937	2.9475	.00420	13.176	.15081	.00019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	76.000	.01775	-.00028	1.731	-.00016	-.00209	3.9357	-.00019	.10211
Stddev	1.223	.00019	.00003	.006	.00139	.00109	.0633	.00029	.00149
%RSD	1.6088	1.0686	12.233	.3243	847.42	51.860	1.6070	152.85	1.4623

#1	76.865	.01789	-.00025	1.735	-.00115	-.00286	3.9804	-.00040	.10317
#2	75.136	.01762	-.00030	1.727	.00082	-.00133	3.8910	.00002	.10106

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	-.00016	.00057	-.00020	.01796
Stddev	.00018	.00063	.00023	.00011
%RSD	112.05	110.04	118.09	.63369

#1	-.00028	.00102	-.00036	.01804
#2	-.00003	.00013	-.00003	.01788

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3588.5	5295.8	51980.	10001.
Stddev	17.7	16.4	26.	100.
%RSD	.49339	.31002	.05021	.99574

#1	3601.1	5307.4	51999.	9930.6
#2	3576.0	5284.2	51962.	10071.

Sample Name: 27778-16 tot raw Acquired: 11/13/2012 0:36:47 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00185	.00390	.00077	.00017	.00469	-0.00003	.01302	.00015	.00033
Stddev	.00414	.00543	.00235	.00011	.00631	.00003	.00445	.00041	.00030
%RSD	224.27	139.23	303.58	65.782	134.46	81.693	34.174	268.62	90.277

#1	-.00108	.00006	.00244	.00025	.00023	-.00005	.00988	.00044	.00054
#2	.00477	.00774	-.00089	.00009	.00916	-.00001	.01617	-.00014	.00012

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00307	.00277	.00345	.14953	^ *****	-0.00110	.26469	.00448	.00039
Stddev	.00393	.00428	.00100	.02106	----	.00056	.36667	.00577	.00010
%RSD	127.95	154.41	28.946	14.084	----	51.193	138.53	128.73	25.298

#1	.00029	-.00025	.00416	.16443	.00385	-.00070	.00542	.00040	.00046
#2	.00585	.00580	.00274	.13464	^ ----	-.00150	.52396	.00857	.00032

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.14552	.00015	.00092	.0133	-0.00088	-0.00234	.00349	-0.00023	-0.00005
Stddev	.00135	.00031	.00039	.0169	.00024	.00066	.00350	.00007	.00006
%RSD	.92710	201.49	42.465	126.9	27.841	28.095	100.06	28.519	121.36

#1	.14456	.00037	.00120	.0252	-.00070	-.00188	.00597	-.00028	-.00009
#2	.14647	-.00007	.00064	.0014	-.00105	-.00281	.00102	-.00018	-.00001

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00284	.00015	.00258	.00365
Stddev	.00366	.00022	.00444	.00480
%RSD	129.03	145.39	172.55	131.56

#1	.00025	.00000	-.00057	.00025
#2	.00543	.00031	.00572	.00705

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3851.0	5369.5	52290.	9859.3
Stddev	9.8	12.2	53.	62.1
%RSD	.25377	.22668	.10120	.63014

#1	3857.9	5378.1	52328.	9903.3
#2	3844.1	5360.9	52253.	9815.4

Sample Name: 27778-3 tot raw Acquired: 11/13/2012 0:38:56 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0118	.05276	.00059	.00212	.02356	.00021	3.8741	-0.0010	.00120
Stddev	.00041	.01151	.00124	.00002	.00004	.00005	.0162	.00017	.00009
%RSD	34.509	21.808	208.85	.70979	.18255	24.154	4.1819	174.86	7.7892

#1	-0.00089	.04463	-0.00028	.00211	.02360	.00017	3.8856	-0.00022	.00114
#2	-0.00147	.06090	.00147	.00213	.02353	.00024	3.8627	.00002	.00127

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.00452	.00786	1.4984	1.5844	.00252	4.1623	.02302	-0.00006
Stddev	.00018	.00009	.00167	.0184	.0294	.00059	.0102	.00004	.00008
%RSD	167.23	1.9922	21.204	1.2275	1.8530	23.479	.24453	.17633	140.78

#1	-0.00002	.00445	.00903	1.4854	1.6052	.00294	4.1551	.02299	.00000
#2	.00024	.00458	.00668	1.5114	1.5637	.00211	4.1695	.02305	-0.00011

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.818	.00641	.00097	.0343	.00056	-0.00278	5.1742	-0.00099	.02016
Stddev	.027	.00030	.00035	.0002	.00002	.00019	.0205	.00033	.00005
%RSD	.22702	4.7221	36.563	.5587	3.2844	6.8014	.39682	33.052	.22975

#1	11.837	.00620	.00122	.0342	.00058	-0.00265	5.1887	-0.00123	.02019
#2	11.799	.00663	.00072	.0345	.00055	-0.00292	5.1597	-0.00076	.02013

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00055	-0.00001	-0.00051	.00863
Stddev	.00067	.00093	.00052	.00067
%RSD	122.91	16351.	100.63	7.7521

#1	.00007	-0.00066	-0.00088	.00910
#2	.00102	.00065	-0.00015	.00816

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3777.9	5331.1	52797.	10094.
Stddev	29.7	29.2	433.	58.
%RSD	.78578	.54748	.82031	.57506

#1	3798.9	5351.7	53103.	10053.
#2	3756.9	5310.4	52491.	10135.

Sample Name: 27876-3 dis raw Acquired: 11/13/2012 0:41:06 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0117	.01436	.00558	1.3833	3.9339	-0.0001	243.39	.00010	.00014
Stddev	.00002	.00247	.00309	.0365	.0019	.00005	.88	.00018	.00033
%RSD	1.9263	17.201	55.335	2.6381	.04873	449.82	.36343	186.25	239.57

#1	-.00119	.01262	.00777	1.3575	3.9326	-.00005	244.02	.00023	.00038
#2	-.00116	.01611	.00340	1.4091	3.9353	.00002	242.77	-.00003	-.00010

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00169	.00088	3.6812	9.3421	15.864	.11499	77.609	.55264	.00052
Stddev	.00070	.00018	.0018	.0413	.042	.00076	.443	.00441	.00008
%RSD	41.487	20.962	.05000	.44207	.26422	.66311	.57045	.79721	15.980

#1	.00119	.00101	3.6825	9.3129	15.893	.11445	77.922	.55576	.00058
#2	.00218	.00075	3.6799	9.3713	15.834	.11552	77.296	.54953	.00046

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	244.58	.01019	.00090	.6524	.00034	-0.00075	8.4382	.00047	4.0806
Stddev	.99	.00003	.00116	.0069	.00226	.00011	.0196	.00020	.0031
%RSD	.40628	.31963	129.51	1.053	661.42	14.117	.23267	43.004	.07699

#1	243.88	.01017	.00172	.6573	.00194	-.00068	8.4521	.00032	4.0784
#2	245.29	.01022	.00008	.6476	-.00126	-.00083	8.4243	.00061	4.0829

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00150	.00086	-.00040	.00091
Stddev	.00112	.00201	.00060	.00016
%RSD	75.058	232.99	148.12	17.823

#1	.00070	-.00056	-.00083	.00102
#2	.00229	.00229	.00002	.00079

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3168.5	4901.1	47350.	9809.4
Stddev	13.6	5.2	193.	27.5
%RSD	.42953	.10566	.40745	.28026

#1	3178.1	4904.8	47214.	9828.9
#2	3158.8	4897.5	47487.	9790.0

Sample Name: 27876-6 dis raw Acquired: 11/13/2012 0:43:43 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0108	.01604	.00079	.15780	.04695	-0.00007	121.10	.00003	.00011
Stddev	.00085	.00640	.00016	.00160	.00083	.00006	.01	.00017	.00002
%RSD	78.925	39.868	19.954	1.0127	1.7736	76.671	.00584	641.63	15.878

#1	-.00168	.01152	.00068	.15893	.04754	-.00003	121.09	.00014	.00012
#2	-.00048	.02057	.00090	.15667	.04636	-.00011	121.10	-.00009	.00010

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00081	.00029	.11254	4.0780	5.2464	.02619	35.127	.42721	.00141
Stddev	.00018	.00049	.00227	.0081	.0016	.00004	.219	.00289	.00014
%RSD	22.702	166.92	2.0155	.19756	.03006	.15247	.62282	.67739	10.243

#1	.00094	.00064	.11414	4.0723	5.2453	.02617	34.973	.42516	.00151
#2	.00068	-.00005	.11094	4.0837	5.2475	.02622	35.282	.42925	.00131

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.151	.00004	.00126	F 73.52	.00127	-0.00051	8.2410	-0.00039	1.0000
Stddev	.001	.00034	.00065	.24	.00077	.00237	.0300	.00020	.0030
%RSD	.00892	819.77	51.710	.3272	61.005	461.69	.36385	50.370	.30137

#1	15.150	-.00020	.00080	73.69	.00181	.00116	8.2198	-.00054	.99791
#2	15.152	.00028	.00172	73.35	.00072	-.00219	8.2622	-.00025	1.0022

Check ? Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit 10.00
 Low Limit -.0100

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00093	-.00057	.00047	-.00023
Stddev	.00006	.00098	.00013	.00050
%RSD	6.2201	172.91	28.626	220.62

#1	.00097	.00013	.00037	-.00058
#2	.00089	-.00126	.00056	.00013

Check ? Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3495.9	5097.5	50517.	9983.0
Stddev	4.8	7.6	175.	19.1
%RSD	.13791	.14895	.34596	.19157

#1	3492.4	5092.2	50641.	9996.5
#2	3499.3	5102.9	50394.	9969.4

Sample Name: 27876-5 dis raw Acquired: 11/13/2012 0:45:55 Type: Unk
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Line	328.068 {103}	308.215 {109}	189.042 {478}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}	228.802 {447}	228.616 {447}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_2243)	(In2306)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0018	.01493	.01931	.04201	.05908	-0.0005	274.16	-0.0009	.00160
Stddev	.00063	.01986	.00140	.00954	.00024	.00001	1.03	.00008	.00002
%RSD	346.09	133.02	7.2519	22.701	.40866	14.370	.37566	92.690	1.1866

#1	.00026	.00089	.01832	.03527	.05891	-0.0005	274.89	-0.0003	.00161
#2	-.00063	.02898	.02030	.04875	.05925	-0.0006	273.43	-0.0015	.00159

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020
Line	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2	257.610 {131}	202.030 {467}
IS Ref	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3600)	(Y_2243)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00157	.00066	15.192	2.7837	3.9427	.02068	76.162	F 15.737	.00013
Stddev	.00021	.00009	.011	.0301	.0146	.00079	.419	.071	.00029
%RSD	13.685	14.268	.07471	1.0816	.37085	3.8137	.55053	.45096	220.01

#1	.00142	.00059	15.184	2.7624	3.9324	.02013	75.865	15.687	.00034
#2	.00172	.00072	15.200	2.8050	3.9531	.02124	76.458	15.787	-.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit								15.000	
Low Limit								-.00300	

Elem	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077
Line	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2	189.989 {477}	407.771 {83}
IS Ref	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)	(In2306)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.6075	.00161	.00246	F 65.39	-0.00208	.00710	11.403	-0.0072	.43556
Stddev	.0114	.00026	.00165	.43	.00050	.00015	.111	.00045	.00210
%RSD	.14926	16.136	67.104	.6552	24.241	2.0635	.97033	62.544	.48135

#1	7.6155	.00143	.00129	65.70	-.00243	.00699	11.324	-.00040	.43408
#2	7.5995	.00180	.00363	65.09	-.00172	.00720	11.481	-.00103	.43704

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.00					
Low Limit				-.0100					

Elem	Ti3349	Ti1908	V_2924	Zn2062
Line	334.904 {101}	190.856 {477}	292.402 {115}	206.200 {163}
IS Ref	(Y_3600)	(In2306)	(Y_3600)	(Y_3600)
Units	ppm	ppm	ppm	ppm
Avg	.00152	.01232	.00675	.26626
Stddev	.00058	.00278	.00067	.00253
%RSD	38.308	22.569	9.9886	.95052

#1	.00193	.01429	.00627	.26447
#2	.00111	.01035	.00723	.26805

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3317.9	4961.9	48143.	9677.4
Stddev	33.4	40.2	412.	61.6
%RSD	1.0069	.80917	.85681	.63636

#1	3294.3	4933.5	48435.	9720.9
#2	3341.5	4990.3	47851.	9633.8

Sample Name: CCV Acquired: 11/13/2012 0:48:15 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52289	25.350	.51017	.50668	.51701	.49670	25.999	.50831	.49951	.53090	.50770	24.508
Stddev	.00094	.052	.00060	.00185	.00036	.00180	.018	.00127	.00237	.00064	.00168	.060
%RSD	.17915	.20683	.11779	.36493	.06932	.36308	.06835	.25040	.47516	.11963	.33165	.24321

#1	.52355	25.387	.51059	.50537	.51676	.49798	26.012	.50741	.49783	.53135	.50889	24.550
#2	.52223	25.313	.50974	.50798	.51727	.49543	25.986	.50921	.50119	.53045	.50650	24.466

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.936	F 28.020	.50160	25.522	.51840	.50546	25.664	.49282	.51017	23.78	.49847	.49810
Stddev	.011	.241	.00163	.108	.00187	.00091	.015	.00220	.00063	.08	.00060	.00024
%RSD	.04268	.86052	.32470	.42410	.36042	.17973	.06004	.44681	.12270	.3381	.11988	.04743

#1	25.944	27.849	.50275	25.599	.51972	.50481	25.675	.49127	.50972	23.72	.49804	.49794
#2	25.928	28.190	.50044	25.446	.51708	.50610	25.653	.49438	.51061	23.84	.49889	.49827

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		25.000										
Range		10.000%										

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.958	.49202	.51739	.49991	.51430	.52587	.54557
Stddev	.037	.00394	.00014	.00075	.00361	.00016	.00033
%RSD	.14172	.80172	.02646	.14962	.70239	.03058	.05966

#1	25.932	.48923	.51749	.50043	.51175	.52576	.54534
#2	25.984	.49481	.51730	.49938	.51686	.52598	.54580

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3399.4	5038.5	49544.	9736.8
Stddev	8.7	2.9	62.	6.4
%RSD	.25682	.05665	.12537	.06624

#1	3405.6	5040.5	49500.	9732.2
#2	3393.2	5036.5	49588.	9741.3

Sample Name: CCB Acquired: 11/13/2012 0:50:26 Type: QC
 Method: ICAP1(v378) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0077	.05231	.00011	.00151	.00005	.00083	.06152	.00006	.00013	.00017	-.00030	.04489	.15845
Stddev	.00008	.05925	.00003	.00012	.00000	.00112	.05496	.00005	.00018	.00038	.00020	.05871	.05674
%RSD	9.9643	113.26	22.207	8.2068	10.083	135.04	89.341	74.025	139.49	228.82	66.698	130.79	35.812

#1	-.00083	.01042	.00010	.00142	.00005	.00004	.02265	.00010	.00000	-.00010	-.00045	.00338	.11833
#2	-.00072	.09421	.00013	.00159	.00004	.00162	.10038	.00003	.00026	.00044	-.00016	.08641	.19857

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00633	.00017	.00714	.00011	.00023	.09057	-.00026	.00086	F .0103	-.00033	-.00094	.06479	.00005
Stddev	.00037	.00133	.00175	.00003	.00018	.05996	.00012	.00103	.0021	.00008	.00236	.04942	.00001
%RSD	5.8851	782.13	24.559	23.259	78.714	66.205	47.413	119.67	20.07	23.331	249.92	76.275	23.959

#1	.00659	-.00077	.00590	.00013	.00036	.04817	-.00035	.00159	.0118	-.00038	.00072	.02984	.00006
#2	.00607	.00111	.00838	.00009	.00010	.13296	-.00017	.00013	.0089	-.00027	-.00261	.09973	.00004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									.0030				
Low Limit									-.0040				

Elem	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm
Avg	.00089	-.00010	-.00025	-.00055	.00047
Stddev	.00118	.00030	.00025	.00013	.00076
%RSD	132.12	299.70	101.70	23.483	161.84

#1	.00006	-.00031	-.00007	-.00046	.00100
#2	.00173	.00011	-.00043	-.00064	-.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					
Low Limit					

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3683.8	5167.2	52377.	9875.8
Stddev	7.1	1.8	202.	167.7
%RSD	.19296	.03428	.38473	1.6985

#1	3688.8	5168.5	52519.	9757.2
#2	3678.8	5165.9	52234.	9994.4

Run File: I2111312A

Instrument: ICAP2

Analyst: MDM

Data Review: UMH 11/14/12

Spikes IDs: 663502, 663489, 827402(Sn), 986484(Ag), 565444(TCLP), 827410 (Si)

Pipette IDs: 11-12-12-(1-7,8,10,13,14)

Internal Standard: 1043086

Seq#	Run File ID	Sample ID	Date / Time	Type
1	I2111312A	IC-1025739	11/13/12 01:40 PM	Standard
2	I2111312A	IC-1025818	11/13/12 01:42 PM	Standard
3	I2111312A	IC-1025816	11/13/12 01:44 PM	Standard
4	I2111312A	IC-1025807	11/13/12 01:46 PM	Standard
5	I2111312A	ICV-1043084	11/13/12 01:49 PM	QC
6	I2111312A	ICB-1025739	11/13/12 01:51 PM	QC
7	I2111312A	CRI-1043085	11/13/12 01:53 PM	QC
8	I2111312A	ICSA-1032685	11/13/12 01:55 PM	QC
9	I2111312A	ICSAB-1019579	11/13/12 01:58 PM	QC
10	I2111312A	CCV-1022412	11/13/12 02:00 PM	QC
11	I2111312A	CCB-1025739	11/13/12 02:02 PM	QC
12	I2111312A	MB 480-90237/1-A	11/13/12 02:04 PM	Unknown
13	I2111312A	LCS 480-90237/2-A	11/13/12 02:07 PM	Unknown
14	I2111312A	480-28173-I-1-A	11/13/12 02:09 PM	Unknown
15	I2111312A	CCV	11/13/12 02:11 PM	QC
16	I2111312A	CCB	11/13/12 02:13 PM	QC
17	I2111312A	480-28176-I-1-A	11/13/12 02:16 PM	Unknown
18	I2111312A	480-28177-H-1-A	11/13/12 02:18 PM	Unknown
19	I2111312A	480-28177-H-1-A SD@5	11/13/12 02:21 PM	Unknown
20	I2111312A	480-28177-H-1-A PDS	11/13/12 02:23 PM	Unknown
21	I2111312A	480-28177-I-1-A MS	11/13/12 02:25 PM	Unknown
22	I2111312A	480-28177-H-1-B MSD	11/13/12 02:27 PM	Unknown
23	I2111312A	480-28205-E-1-A	11/13/12 02:30 PM	Unknown
24	I2111312A	480-28205-E-2-A	11/13/12 02:32 PM	Unknown
25	I2111312A	480-28205-E-3-A	11/13/12 02:34 PM	Unknown
26	I2111312A	480-28205-E-4-A	11/13/12 02:36 PM	Unknown
27	I2111312A	CCV	11/13/12 02:39 PM	QC
28	I2111312A	CCB	11/13/12 02:41 PM	QC
29	I2111312A	480-28205-E-5-A	11/13/12 02:43 PM	Unknown
30	I2111312A	480-28197-F-1-A	11/13/12 02:46 PM	Unknown
31	I2111312A	480-28197-E-2-A	11/13/12 02:48 PM	Unknown
32	I2111312A	480-28197-F-3-A	11/13/12 02:50 PM	Unknown
33	I2111312A	480-28197-E-4-A	11/13/12 02:52 PM	Unknown
34	I2111312A	480-28197-E-6-A	11/13/12 02:55 PM	Unknown
35	I2111312A	480-28258-C-2-A	11/13/12 02:57 PM	Unknown
36	I2111312A	480-28258-C-3-A	11/13/12 02:59 PM	Unknown
37	I2111312A	480-28258-C-4-A	11/13/12 03:02 PM	Unknown
38	I2111312A	480-28258-C-5-A	11/13/12 03:04 PM	Unknown
39	I2111312A	CCV	11/13/12 03:06 PM	QC
40	I2111312A	CCB	11/13/12 03:08 PM	QC
41	I2111312A	480-28258-C-6-A	11/13/12 03:11 PM	Unknown

42	I2111312A	480-28258-C-7-A	11/13/12 03:13 PM Unknown
43	I2111312A	MB 480-90035/11-B	11/13/12 03:16 PM Unknown
44	I2111312A	LCS 480-90035/12-B	11/13/12 03:18 PM Unknown
45	I2111312A	480-28254-C-1-A	11/13/12 03:20 PM Unknown
46	I2111312A	480-28254-C-2-A	11/13/12 03:22 PM Unknown
47	I2111312A	480-28254-C-3-A	11/13/12 03:25 PM Unknown
48	I2111312A	480-28254-C-4-A	11/13/12 03:27 PM Unknown
49	I2111312A	480-28254-C-5-A	11/13/12 03:29 PM Unknown
50	I2111312A	480-28254-C-6-A	11/13/12 03:32 PM Unknown
51	I2111312A	CCV	11/13/12 03:34 PM QC
52	I2111312A	CCB	11/13/12 03:36 PM QC
53	I2111312A	480-28254-C-7-A	11/13/12 03:38 PM Unknown
54	I2111312A	480-28254-C-8-A	11/13/12 03:41 PM Unknown
55	I2111312A	480-28254-C-9-A	11/13/12 03:43 PM Unknown
56	I2111312A	480-28254-C-10-A	11/13/12 03:45 PM Unknown
57	I2111312A	480-28254-C-11-A	11/13/12 03:48 PM Unknown
58	I2111312A	480-28254-C-12-A	11/13/12 03:50 PM Unknown
59	I2111312A	480-28254-C-13-A	11/13/12 03:52 PM Unknown
60	I2111312A	480-28254-C-14-A	11/13/12 03:55 PM Unknown
61	I2111312A	480-28243-F-1-A	11/13/12 03:57 PM Unknown
62	I2111312A	480-28243-F-1-A SD@5	11/13/12 03:59 PM Unknown
63	I2111312A	CCV	11/13/12 04:01 PM QC
64	I2111312A	CCB	11/13/12 04:04 PM QC
65	I2111312A	480-28243-F-1-A PDS	11/13/12 04:06 PM Unknown
66	I2111312A	480-28243-F-1-B MS	11/13/12 04:08 PM Unknown
67	I2111312A	480-28243-F-1-C MSD	11/13/12 04:11 PM Unknown
68	I2111312A	480-28243-F-2-A	11/13/12 04:13 PM Unknown
69	I2111312A	480-28243-F-3-A	11/13/12 04:15 PM Unknown
70	I2111312A	480-28243-F-4-A	11/13/12 04:17 PM Unknown
71	I2111312A	480-28243-F-5-A	11/13/12 04:20 PM Unknown
72	I2111312A	480-28243-F-6-A	11/13/12 04:22 PM Unknown
73	I2111312A	MB 480-90035/15-B	11/13/12 04:24 PM Unknown
74	I2111312A	LCS 480-90035/16-B	11/13/12 04:26 PM Unknown
75	I2111312A	CCV	11/13/12 04:29 PM QC
76	I2111312A	CCB	11/13/12 04:31 PM QC
77	I2111312A	480-28213-B-1-A	11/13/12 04:33 PM Unknown
78	I2111312A	480-28213-B-2-A	11/13/12 04:35 PM Unknown
79	I2111312A	480-28213-B-3-A	11/13/12 04:38 PM Unknown
80	I2111312A	480-28213-B-3-A SD@5	11/13/12 04:40 PM Unknown
81	I2111312A	480-28213-B-3-A PDS	11/13/12 04:42 PM Unknown
82	I2111312A	480-28213-B-3-B MS	11/13/12 04:44 PM Unknown
83	I2111312A	480-28213-B-3-C MSD	11/13/12 04:47 PM Unknown
84	I2111312A	480-28213-B-4-A	11/13/12 04:49 PM Unknown
85	I2111312A	480-28213-B-5-A	11/13/12 04:51 PM Unknown
86	I2111312A	480-28194-E-1-A	11/13/12 04:53 PM Unknown
87	I2111312A	CCV	11/13/12 04:56 PM QC
88	I2111312A	CCB	11/13/12 04:58 PM QC
89	I2111312A	480-28194-E-2-A	11/13/12 05:01 PM Unknown
90	I2111312A	480-28194-C-3-A	11/13/12 05:03 PM Unknown
91	I2111312A	480-28194-C-4-A	11/13/12 05:06 PM Unknown

92	I2111312A	480-28194-C-5-A	11/13/12 05:08 PM Unknown
93	I2111312A	480-28245-F-1-A	11/13/12 05:11 PM Unknown
94	I2111312A	480-28245-F-2-A	11/13/12 05:13 PM Unknown
95	I2111312A	480-28245-F-3-A	11/13/12 05:15 PM Unknown
96	I2111312A	480-28245-F-4-A	11/13/12 05:18 PM Unknown
97	I2111312A	480-28245-F-5-A	11/13/12 05:20 PM Unknown
98	I2111312A	480-28245-F-6-A	11/13/12 05:22 PM Unknown
99	I2111312A	CCV	11/13/12 05:24 PM QC
100	I2111312A	CCB	11/13/12 05:27 PM QC
101	I2111312A	480-28245-F-7-A	11/13/12 05:29 PM Unknown
102	I2111312A	480-28245-F-8-A	11/13/12 05:31 PM Unknown
103	I2111312A	480-28245-F-9-A	11/13/12 05:34 PM Unknown
104	I2111312A	MB 480-90326/1-A	11/13/12 05:36 PM Unknown
105	I2111312A	LCS 480-90326/2-A	11/13/12 05:38 PM Unknown
106	I2111312A	480-28228-C-1-B	11/13/12 05:40 PM Unknown
107	I2111312A	480-28228-C-1-B SD@5	11/13/12 05:43 PM Unknown
108	I2111312A	480-28228-C-1-B PDS	11/13/12 05:45 PM Unknown
109	I2111312A	480-28228-C-1-C MS	11/13/12 05:47 PM Unknown
110	I2111312A	480-28228-C-1-D MSD	11/13/12 05:50 PM Unknown
111	I2111312A	CCV	11/13/12 05:52 PM QC
112	I2111312A	CCB	11/13/12 05:54 PM QC
113	I2111312A	MB 480-90154/1-A	11/13/12 05:57 PM Unknown
114	I2111312A	LCSSRM 480-90154/2-A	11/13/12 05:59 PM Unknown
115	I2111312A	480-27893-B-1-E	11/13/12 06:01 PM Unknown
116	I2111312A	480-27893-B-1-E SD@5	11/13/12 06:04 PM Unknown
117	I2111312A	480-27893-B-1-E PDS	11/13/12 06:06 PM Unknown
118	I2111312A	480-27893-B-1-F MS	11/13/12 06:08 PM Unknown
119	I2111312A	480-27893-B-1-G MSD	11/13/12 06:10 PM Unknown
120	I2111312A	480-28183-B-1-A	11/13/12 06:13 PM Unknown
121	I2111312A	480-28193-A-1-A	11/13/12 06:15 PM Unknown
122	I2111312A	480-28193-A-2-A	11/13/12 06:17 PM Unknown
123	I2111312A	CCV	11/13/12 06:19 PM QC
124	I2111312A	CCB	11/13/12 06:21 PM QC
125	I2111312A	MB 480-90180/1-A	11/13/12 06:24 PM Unknown
126	I2111312A	LCSSRM 480-90180/2-A	11/13/12 06:26 PM Unknown
127	I2111312A	480-28096-A-1-A	11/13/12 06:28 PM Unknown
128	I2111312A	480-28096-A-1-A SD@5	11/13/12 06:31 PM Unknown
129	I2111312A	480-28096-A-1-A PDS	11/13/12 06:33 PM Unknown
130	I2111312A	480-28096-A-1-B MS	11/13/12 06:35 PM Unknown
131	I2111312A	480-28096-A-1-C MSD	11/13/12 06:38 PM Unknown
132	I2111312A	480-28096-A-2-A	11/13/12 06:40 PM Unknown
133	I2111312A	480-28096-A-3-A	11/13/12 06:42 PM Unknown
134	I2111312A	480-28096-A-4-A	11/13/12 06:45 PM Unknown
135	I2111312A	CCV	11/13/12 06:47 PM QC
136	I2111312A	CCB	11/13/12 06:49 PM QC
137	I2111312A	480-28096-A-5-A	11/13/12 06:51 PM Unknown
138	I2111312A	480-28096-A-6-A	11/13/12 06:53 PM Unknown
139	I2111312A	480-28096-A-7-A	11/13/12 06:56 PM Unknown
140	I2111312A	480-28096-A-8-A	11/13/12 06:58 PM Unknown
141	I2111312A	480-28096-A-9-A	11/13/12 07:00 PM Unknown

142	I2111312A	480-28096-A-10-A	11/13/12 07:02 PM Unknown
143	I2111312A	480-28096-A-11-A	11/13/12 07:04 PM Unknown
144	I2111312A	480-28096-A-12-A	11/13/12 07:07 PM Unknown
145	I2111312A	480-28096-A-13-A	11/13/12 07:09 PM Unknown
146	I2111312A	480-28096-A-14-A	11/13/12 07:11 PM Unknown
147	I2111312A	CCV	11/13/12 07:14 PM QC
148	I2111312A	CCB	11/13/12 07:16 PM QC
149	I2111312A	480-28096-A-15-A	11/13/12 07:18 PM Unknown
150	I2111312A	480-28096-A-16-A	11/13/12 07:21 PM Unknown
151	I2111312A	480-28096-A-17-A	11/13/12 07:23 PM Unknown
152	I2111312A	480-28096-A-18-A	11/13/12 07:25 PM Unknown
153	I2111312A	480-28096-A-19-A	11/13/12 07:27 PM Unknown
154	I2111312A	480-28096-A-20-A	11/13/12 07:30 PM Unknown
155	I2111312A	MB 480-90181/1-A	11/13/12 07:32 PM Unknown
156	I2111312A	LCSSRM 480-90181/2-A	11/13/12 07:34 PM Unknown
157	I2111312A	480-28096-A-21-A	11/13/12 07:37 PM Unknown
158	I2111312A	28096-A-21-A SD@5	11/13/12 07:39 PM Unknown
159	I2111312A	CCV	11/13/12 07:41 PM QC
160	I2111312A	CCB	11/13/12 07:44 PM QC
161	I2111312A	480-28096-A-21-A PDS	11/13/12 07:46 PM Unknown
162	I2111312A	480-28096-A-21-B MS	11/13/12 07:48 PM Unknown
163	I2111312A	480-28096-A-21-C MSD	11/13/12 07:50 PM Unknown
164	I2111312A	480-28096-A-22-A	11/13/12 07:53 PM Unknown
165	I2111312A	480-28096-A-23-A	11/13/12 07:55 PM Unknown
166	I2111312A	480-28096-A-25-A	11/13/12 07:57 PM Unknown
167	I2111312A	480-28096-A-26-A	11/13/12 08:00 PM Unknown
168	I2111312A	480-28096-A-27-A	11/13/12 08:02 PM Unknown
169	I2111312A	480-28096-A-28-A	11/13/12 08:04 PM Unknown
170	I2111312A	480-28096-A-29-A	11/13/12 08:06 PM Unknown
171	I2111312A	CCV	11/13/12 08:09 PM QC
172	I2111312A	CCB	11/13/12 08:11 PM QC
173	I2111312A	480-28096-A-30-A	11/13/12 08:13 PM Unknown
174	I2111312A	480-28096-A-31-A	11/13/12 08:16 PM Unknown
175	I2111312A	480-28096-A-32-A	11/13/12 08:18 PM Unknown
176	I2111312A	480-28096-A-33-A	11/13/12 08:20 PM Unknown
177	I2111312A	480-28096-A-34-A	11/13/12 08:22 PM Unknown
178	I2111312A	480-28096-A-35-A	11/13/12 08:24 PM Unknown
179	I2111312A	480-28096-A-36-A	11/13/12 08:27 PM Unknown
180	I2111312A	480-28096-A-37-A	11/13/12 08:29 PM Unknown
181	I2111312A	480-28096-A-38-A	11/13/12 08:31 PM Unknown
182	I2111312A	480-28096-A-39-A	11/13/12 08:33 PM Unknown
183	I2111312A	CCV	11/13/12 08:36 PM QC
184	I2111312A	CCB	11/13/12 08:38 PM QC
185	I2111312A	480-28096-A-40-A	11/13/12 08:40 PM Unknown
186	I2111312A	MB 480-90228/1-B	11/13/12 08:42 PM Unknown
187	I2111312A	LCS 480-90228/2-B	11/13/12 08:44 PM Unknown
188	I2111312A	480-27956-C-10-B	11/13/12 08:47 PM Unknown
189	I2111312A	480-27956-C-11-B	11/13/12 08:50 PM Unknown
190	I2111312A	480-28095-C-8-B	11/13/12 08:52 PM Unknown
191	I2111312A	480-28095-C-16-B	11/13/12 08:55 PM Unknown

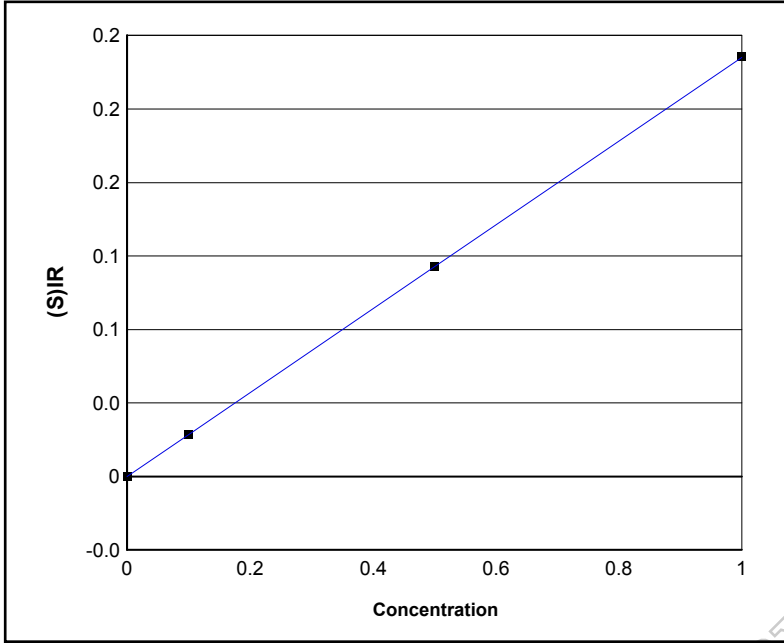
192	I2111312A	28095-C-16-B SD@5	11/13/12 08:57 PM Unknown
193	I2111312A	480-28095-C-16-B PDS	11/13/12 09:00 PM Unknown
194	I2111312A	480-28095-C-16-C MS	11/13/12 09:02 PM Unknown
195	I2111312A	CCV	11/13/12 09:04 PM QC
196	I2111312A	CCB	11/13/12 09:06 PM QC
197	I2111312A	480-28095-C-16-D MSD	11/13/12 09:09 PM Unknown
198	I2111312A	480-28095-C-17-B	11/13/12 09:11 PM Unknown
199	I2111312A	480-28110-D-3-B	11/13/12 09:14 PM Unknown
200	I2111312A	480-28163-C-12-B	11/13/12 09:16 PM Unknown
201	I2111312A	480-28163-F-14-B	11/13/12 09:18 PM Unknown
202	I2111312A	480-28210-N-1-B	11/13/12 09:21 PM Unknown
203	I2111312A	RB	11/13/12 09:23 PM Unknown
204	I2111312A	RB	11/13/12 09:25 PM Unknown
205	I2111312A	RB	11/13/12 09:28 PM Unknown
206	I2111312A	480-28050-D-4-B	11/13/12 09:30 PM Unknown
207	I2111312A	CCV	11/13/12 09:33 PM QC
208	I2111312A	CCB	11/13/12 09:35 PM QC
209	I2111312A	MB 480-90501/1-A	11/13/12 09:37 PM Unknown
210	I2111312A	LCS 480-90501/2-A	11/13/12 09:40 PM Unknown
211	I2111312A	480-28292-A-2-A	11/13/12 09:42 PM Unknown
212	I2111312A	480-28292-A-7-A	11/13/12 09:44 PM Unknown
213	I2111312A	28292-A-7-A SD@5	11/13/12 09:47 PM Unknown
214	I2111312A	480-28292-A-7-A PDS	11/13/12 09:49 PM Unknown
215	I2111312A	480-28292-A-7-B MS	11/13/12 09:51 PM Unknown
216	I2111312A	480-28292-A-7-C MSD	11/13/12 09:54 PM Unknown
217	I2111312A	MB 480-90152/1-A	11/13/12 09:56 PM Unknown
218	I2111312A	LCSSRM 480-90152/2-A	11/13/12 09:58 PM Unknown
219	I2111312A	CCV	11/13/12 10:01 PM QC
220	I2111312A	CCB	11/13/12 10:03 PM QC
221	I2111312A	LCDSRM 480-90152/3-A	11/13/12 10:05 PM Unknown
222	I2111312A	480-28130-A-1-A	11/13/12 10:07 PM Unknown
223	I2111312A	480-28130-A-2-A	11/13/12 10:10 PM Unknown
224	I2111312A	480-28130-A-3-A	11/13/12 10:12 PM Unknown
225	I2111312A	480-28130-A-4-A	11/13/12 10:14 PM Unknown
226	I2111312A	480-28130-A-5-A	11/13/12 10:16 PM Unknown
227	I2111312A	480-28130-A-5-A SD@5	11/13/12 10:19 PM Unknown
228	I2111312A	480-28130-A-5-A PDS	11/13/12 10:21 PM Unknown
229	I2111312A	480-28130-A-5-B MS	11/13/12 10:23 PM Unknown
230	I2111312A	480-28130-A-5-C MSD	11/13/12 10:25 PM Unknown
231	I2111312A	CCV	11/13/12 10:28 PM QC
232	I2111312A	CCB	11/13/12 10:30 PM QC
233	I2111312A	480-28130-A-6-A	11/13/12 10:32 PM Unknown
234	I2111312A	480-28130-A-7-A	11/13/12 10:35 PM Unknown
235	I2111312A	480-28130-A-8-A	11/13/12 10:37 PM Unknown
236	I2111312A	480-28130-A-9-A	11/13/12 10:39 PM Unknown
237	I2111312A	480-28130-B-10-A	11/13/12 10:41 PM Unknown
238	I2111312A	480-28130-B-11-A	11/13/12 10:44 PM Unknown
239	I2111312A	480-28130-B-12-A	11/13/12 10:46 PM Unknown
240	I2111312A	480-28130-B-13-A	11/13/12 10:48 PM Unknown
241	I2111312A	480-28130-B-14-A	11/13/12 10:50 PM Unknown

242	I2111312A	480-28130-B-15-A	11/13/12 10:52 PM Unknown
243	I2111312A	CCV	11/13/12 10:55 PM QC
244	I2111312A	CCB	11/13/12 10:57 PM QC
245	I2111312A	480-28130-B-16-A	11/13/12 10:59 PM Unknown
246	I2111312A	480-28130-B-17-A	11/13/12 11:01 PM Unknown
247	I2111312A	480-28130-B-18-A	11/13/12 11:04 PM Unknown
248	I2111312A	480-28130-B-19-A	11/13/12 11:06 PM Unknown
249	I2111312A	480-28130-B-20-A	11/13/12 11:08 PM Unknown
250	I2111312A	480-28137-E-5-A	11/13/12 11:10 PM Unknown
251	I2111312A	480-28137-E-7-A	11/13/12 11:13 PM Unknown
252	I2111312A	480-28137-E-8-A@5	11/13/12 11:15 PM Unknown
253	I2111312A	480-28137-E-9-A	11/13/12 11:18 PM Unknown
254	I2111312A	480-28137-E-9-A@10	11/13/12 11:20 PM Unknown
255	I2111312A	CCV	11/13/12 11:22 PM QC
256	I2111312A	CCB	11/13/12 11:25 PM QC
257	I2111312A	480-28137-E-10-A	11/13/12 11:27 PM Unknown
258	I2111312A	MB 480-90055/1-A	11/13/12 11:29 PM Unknown
259	I2111312A	LCS 480-90055/2-A	11/13/12 11:32 PM Unknown
260	I2111312A	480-28155-A-4-A	11/13/12 11:34 PM Unknown
261	I2111312A	480-28156-A-1-A	11/13/12 11:36 PM Unknown
262	I2111312A	480-28156-A-2-A	11/13/12 11:39 PM Unknown
263	I2111312A	480-28156-A-3-A	11/13/12 11:41 PM Unknown
264	I2111312A	480-28156-A-3-A@2	11/13/12 11:43 PM Unknown
265	I2111312A	480-28167-A-2-A	11/13/12 11:46 PM Unknown
266	I2111312A	480-28166-B-1-A	11/13/12 11:48 PM Unknown
267	I2111312A	CCV	11/13/12 11:50 PM QC
268	I2111312A	CCB	11/13/12 11:53 PM QC
269	I2111312A	480-27365-D-1-B	11/13/12 11:55 PM Unknown
270	I2111312A	RB	11/13/12 11:58 PM Unknown
271	I2111312A	RB	11/14/12 12:00 AM Unknown
272	I2111312A	RB	11/14/12 12:02 AM Unknown
273	I2111312A	RB	11/14/12 12:05 AM Unknown
274	I2111312A	RB	11/14/12 12:07 AM Unknown
275	I2111312A	CRI-1043085	11/14/12 12:09 AM QC
276	I2111312A	ICSA-1032685	11/14/12 12:11 AM QC
277	I2111312A	ICSAB-1019579	11/14/12 12:14 AM QC
278	I2111312A	CCV	11/14/12 12:16 AM QC
279	I2111312A	CCB	11/14/12 12:18 AM QC

I2111312A

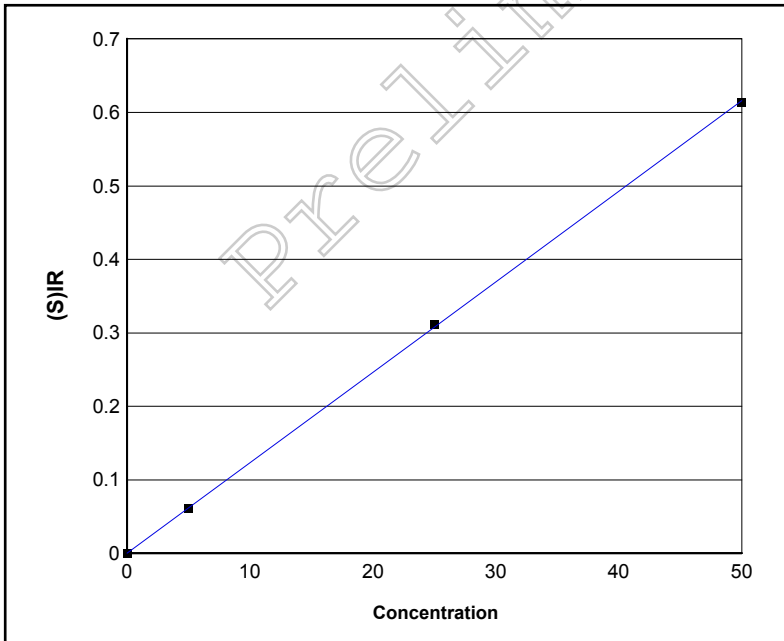
Author: MDM
 Published: 11/14/2012 9:14:37AM
 Instrument Name: ICAP 2
 Method Name: ICAP2 2012 (112)

Serial Number: 20094602



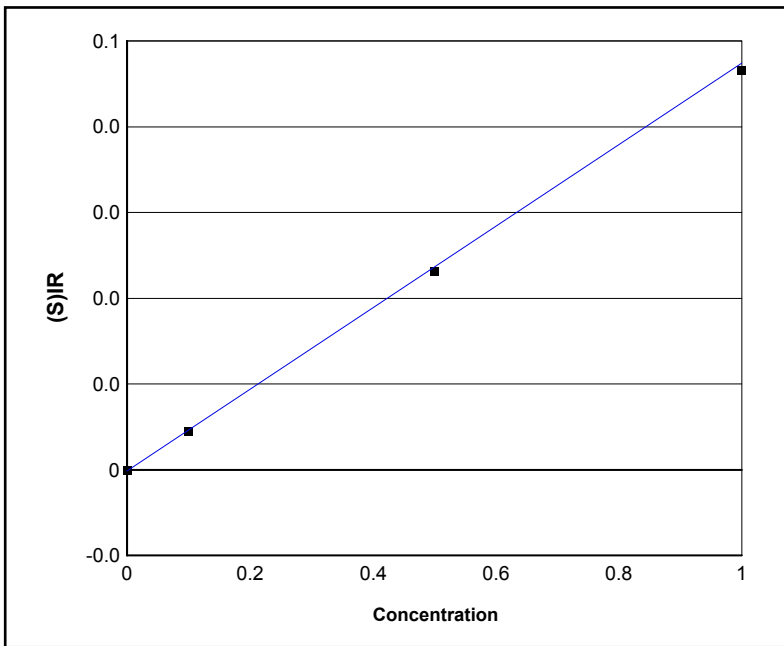
Element Name: Ag	
Element Wavelength: Ag 328.068 nm	
Concentration Units: ppm	
Date of Calibration: 11/13/2012 1:49:05PM	
Date of Fit: 11/13/2012 1:49:05PM	
Type of Fit: Linear	
Correlation: 1.00000	
A0 (Offset): -0.000057466	
A1 (Gain): 0.22822	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	
Slope: 1.0000	QC Normalize
Y Int: 0.00000	Slope factor: 1.0000
	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000004199	0.00000	-0.000057370	0.000010678	1
IC4	1.0000	1.00000	-0.00023916	-0.023916	0.22830	0.00013823	1
IC2	0.10000	0.100000	-0.00055474	-0.55474	0.022658	0.00018736	1
IC3	0.50000	0.50000	0.00079390	0.15878	0.11433	0.00012944	1



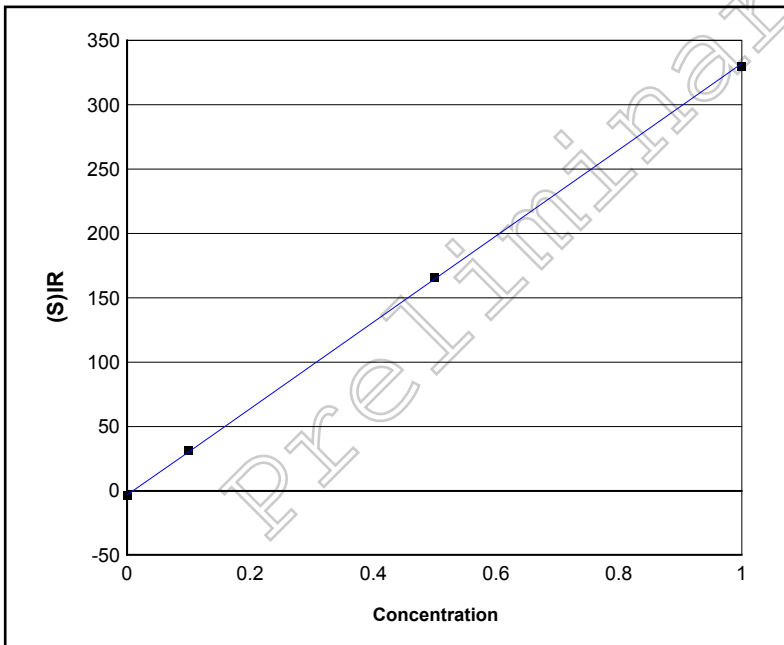
Element Name: Al	
Element Wavelength: Al 308.215 nm	
Concentration Units: ppm	
Date of Calibration: 11/13/2012 1:49:05PM	
Date of Fit: 11/13/2012 1:49:05PM	
Type of Fit: Linear	
Correlation: 0.99998	
A0 (Offset): 0.000089253	
A1 (Gain): 0.012314	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	
Slope: 1.0000	QC Normalize
Y Int: 0.00000	Slope factor: 1.0000
	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000068413	0.00000	0.000089337	0.00012262	1
IC4	50.000	49.790	-0.21077	-0.42155	0.61309	0.0017928	1
IC2	5.0000	4.9700	-0.034898	-0.69797	0.061219	0.00030505	1
IC3	25.000	25.250	0.24567	0.98269	0.31091	0.00033494	1



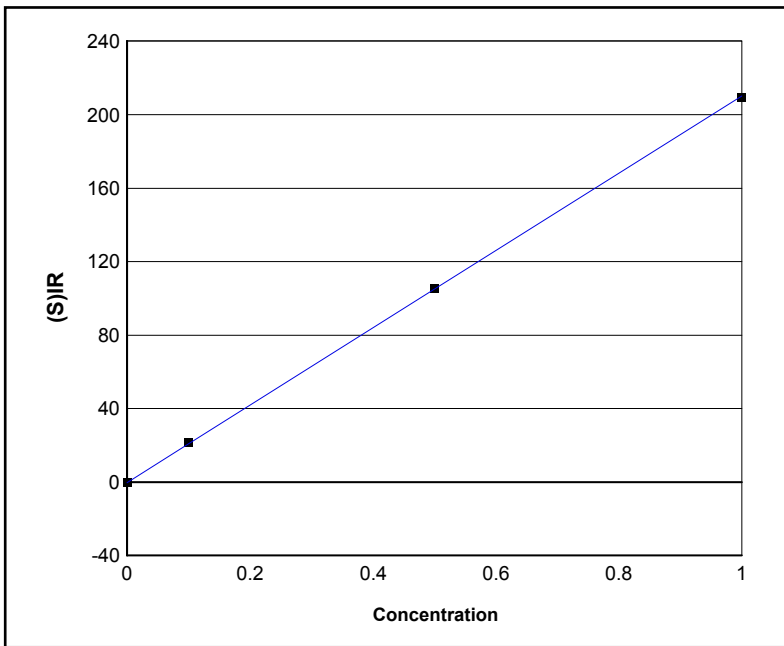
Element Name:	As		
Element Wavelength:	As 189.042 nm		
Concentration Units:	ppm		
Date of Calibration:	11/13/2012 1:49:05PM		
Date of Fit:	11/13/2012 1:49:05PM		
Type of Fit:	Linear		
Correlation:	0.99999		
A0 (Offset):	-0.00010671		
A1 (Gain):	0.047566		
A2 (Curvature):	0.00000		
n (Exponent):	1.0000		
Reslope		QC Normalize	
Slope:	1.0000	Slope factor:	1.0000
Y Int:	0.00000	Offset:	0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000016438	0.00000	-0.00010663	0.000033670	1
IC4	1.0000	1.0000	0.0032847	0.32847	0.046622	0.000053281	1
IC2	0.10000	0.100000	-0.0016441	-1.6441	0.0044723	0.000058252	1
IC3	0.50000	0.50000	-0.0016406	-0.32812	0.023101	0.00013422	1



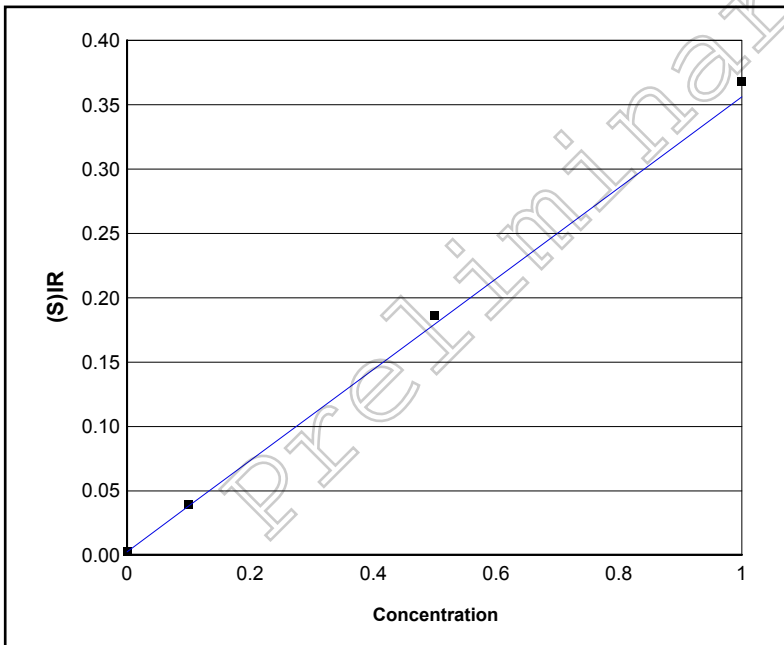
Element Name:	As		
Element Wavelength:	As 193.759 nm		
Concentration Units:	ppm		
Date of Calibration:	11/13/2012 1:49:05PM		
Date of Fit:	11/13/2012 1:49:05PM		
Type of Fit:	Linear		
Correlation:	1.0000		
A0 (Offset):	-3.397		
A1 (Gain):	335.7		
A2 (Curvature):	0.0000		
n (Exponent):	1.000		
Reslope		QC Normalize	
Slope:	1.000	Slope factor:	1.000
Y Int:	0.0000	Offset:	0.0000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.0000	0.0000000000	-0.000002683	0.0000	-3.398	0.2357	1
IC4	1.000	0.9900	-0.006577	-0.6577	330.1	0.8637	1
IC2	0.1000	0.1000	0.002532	2.532	31.02	0.6869	1
IC3	0.5000	0.5000	0.004045	0.8091	165.8	0.5550	1



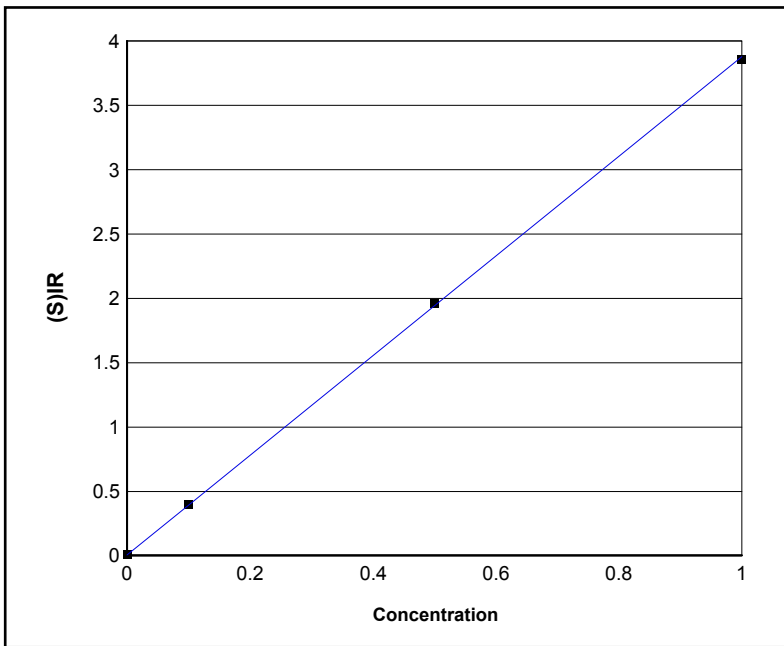
Element Name:	As
Element Wavelength:	As 197.262 nm
Concentration Units:	ppm
Date of Calibration:	11/13/2012 1:49:05PM
Date of Fit:	11/13/2012 1:49:05PM
Type of Fit:	Linear
Correlation:	1.0000
A0 (Offset):	-0.3425
A1 (Gain):	210.6
A2 (Curvature):	0.0000
n (Exponent):	1.000
Reslope	
Slope:	1.000
Y Int:	0.0000
QC Normalize	
Slope factor:	1.000
Offset:	0.0000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.0000	0.000000000	-0.000002774	0.0000	-0.3431	0.2261	1
IC4	1.000	0.9900	-0.005694	-0.5694	209.0	0.01368	1
IC2	0.1000	0.1000	0.002756	2.756	21.30	1.021	1
IC3	0.5000	0.5000	0.002938	0.5876	105.6	0.08505	1



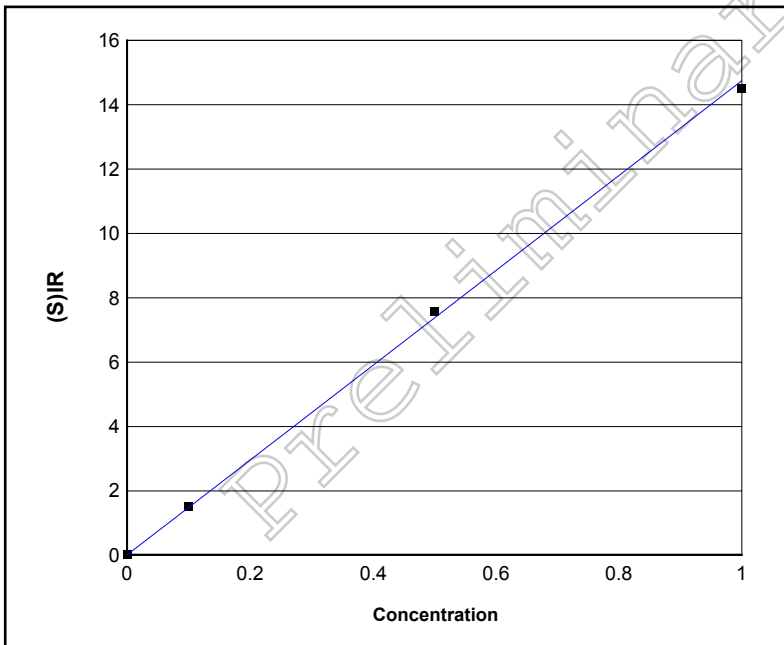
Element Name:	B
Element Wavelength:	B 208.959 nm
Concentration Units:	ppm
Date of Calibration:	11/13/2012 1:49:05PM
Date of Fit:	11/13/2012 1:49:05PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	0.0025775
A1 (Gain):	0.35353
A2 (Curvature):	0.00000
n (Exponent):	1.0000
Reslope	
Slope:	1.0000
Y Int:	0.00000
QC Normalize	
Slope factor:	1.0000
Offset:	0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.0000006528	0.00000	0.0025773	0.000050435	1
IC4	1.0000	1.00000	-0.0026465	-0.26465	0.36782	0.00019950	1
IC2	0.10000	0.10000	0.00048514	0.48514	0.039367	0.000044820	1
IC3	0.50000	0.50000	0.0021613	0.43227	0.18643	0.000035892	1



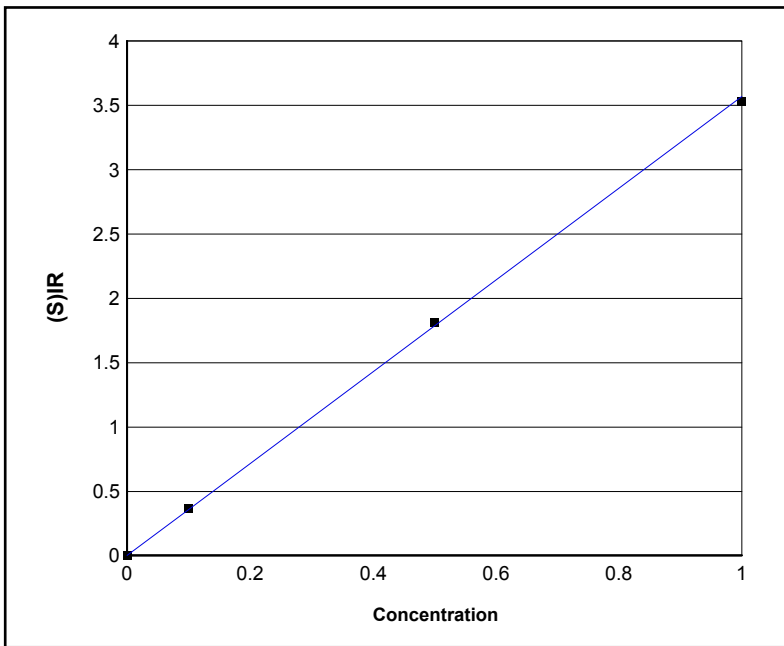
Element Name:	Ba	
Element Wavelength:	Ba 455.403 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99997	
A0 (Offset):	0.0046887	
A1 (Gain):	3.8750	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000012629	0.00000	0.0046838	0.00068016	1
IC4	1.0000	0.99000	-0.0060979	-0.60979	3.8560	0.0028364	1
IC2	0.10000	0.10000	0.00081635	0.81635	0.39535	0.0021850	1
IC3	0.50000	0.51000	0.0052815	1.0563	1.9626	0.000025529	1



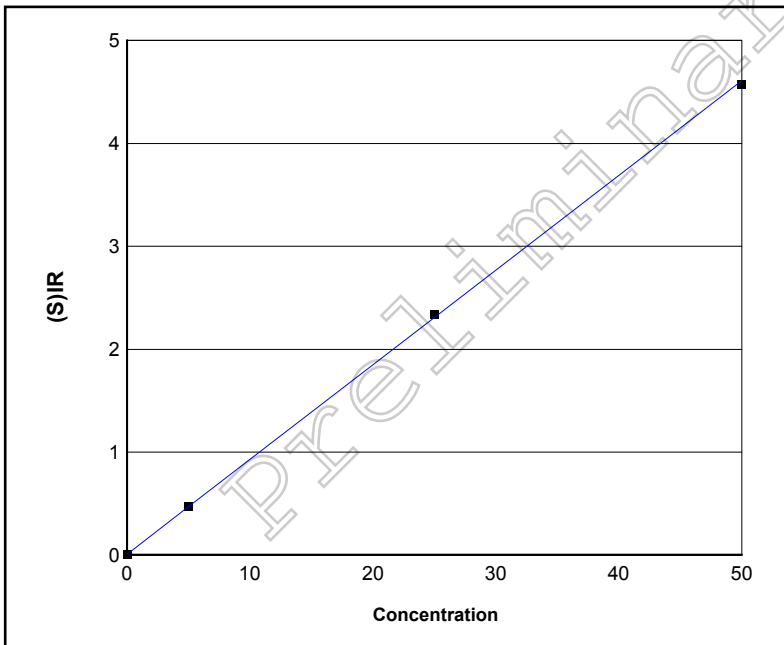
Element Name:	Ba	
Element Wavelength:	Ba 455.403 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99978	
A0 (Offset):	0.0028901	
A1 (Gain):	14.745	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000039967	0.00000	0.0028312	0.000010120	1
IC4	1.0000	0.98000	-0.016282	-1.6282	14.507	0.074042	1
IC2	0.10000	0.10000	0.0029606	2.9606	1.5210	0.00060130	1
IC3	0.50000	0.51000	0.013321	2.6642	7.5716	0.0029824	1



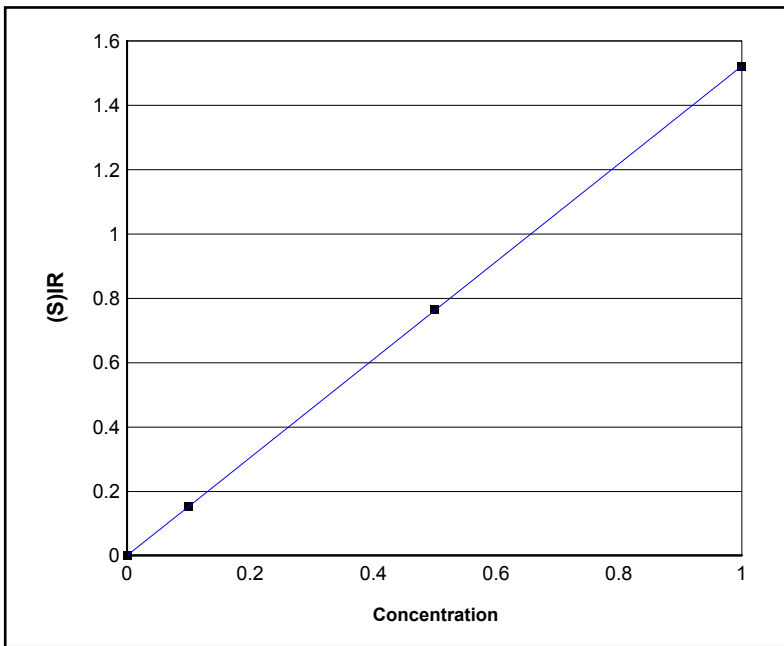
Element Name:	Be	
Element Wavelength:	Be 313.042 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99991	
A0 (Offset):	0.000071718	
A1 (Gain):	3.5698	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000030896	0.00000	0.000060689	0.00023397	1
IC4	1.0000	0.99000	-0.010161	-1.0161	3.5341	0.00090841	1
IC2	0.10000	0.10000	0.0025920	2.5920	0.36635	0.00063856	1
IC3	0.50000	0.51000	0.0075687	1.5137	1.8122	0.0012804	1



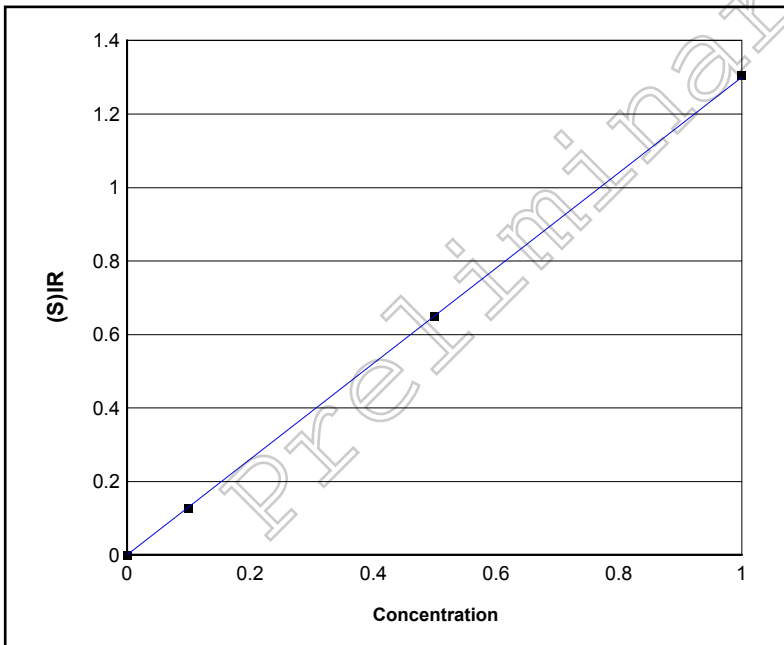
Element Name:	Ca	
Element Wavelength:	Ca 317.933 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99996	
A0 (Offset):	0.0078546	
A1 (Gain):	0.092061	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.000078310	0.00000	0.0078473	0.00028573	1
IC4	50.000	49.640	-0.36353	-0.72706	4.5774	0.010804	1
IC2	5.0000	5.0500	0.052446	1.0489	0.47299	0.0015069	1
IC3	25.000	25.310	0.31108	1.2443	2.3380	0.0044839	1



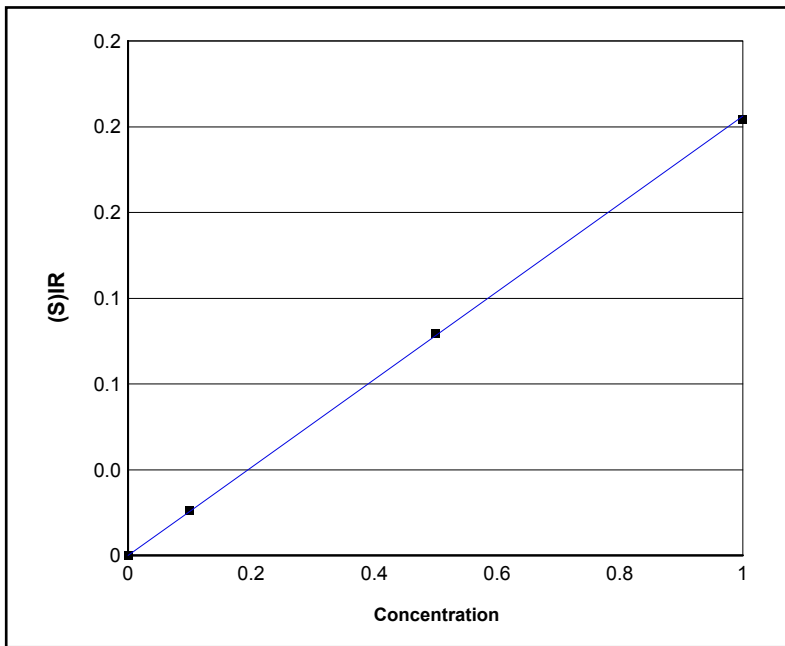
Element Name:	Cd	
Element Wavelength:	Cd 228.802 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	1.00000	
A0 (Offset):	0.00041450	
A1 (Gain):	1.5221	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000003676	0.00000	0.00041506	0.000035437	1
IC4	1.0000	1.00000	-0.0010112	-0.10112	1.5221	0.000084640	1
IC2	0.10000	0.100000	-0.00058595	-0.58595	0.15184	0.000057932	1
IC3	0.50000	0.50000	0.0015972	0.31944	0.76445	0.0012733	1



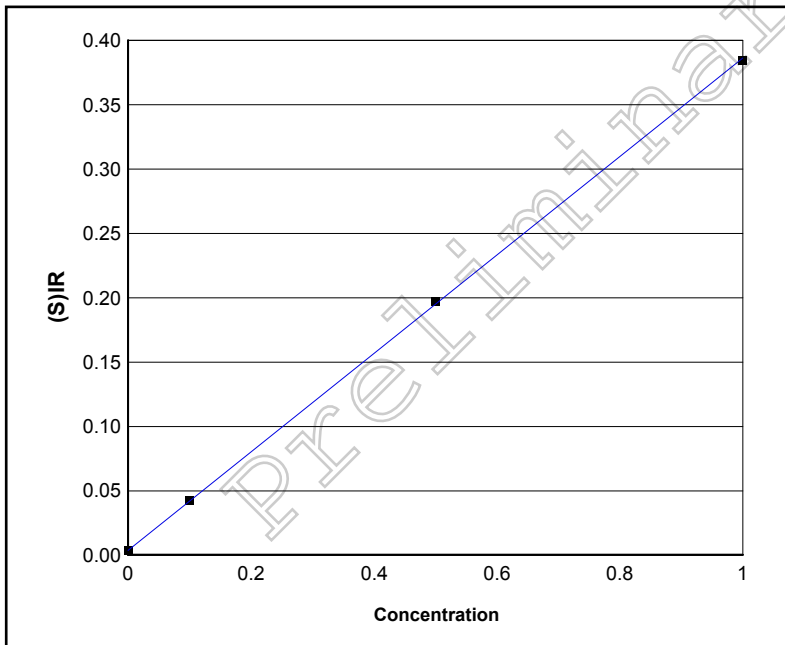
Element Name:	Co	
Element Wavelength:	Co 228.616 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99997	
A0 (Offset):	0.000080414	
A1 (Gain):	1.3002	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000024831	0.00000	0.000083642	0.00013821	1
IC4	1.0000	1.0000	0.0033389	0.33389	1.3058	0.00096248	1
IC2	0.10000	0.100000	-0.0026865	-2.6865	0.12673	0.00033668	1
IC3	0.50000	0.50000	-0.00065246	-0.13049	0.64994	0.0011370	1



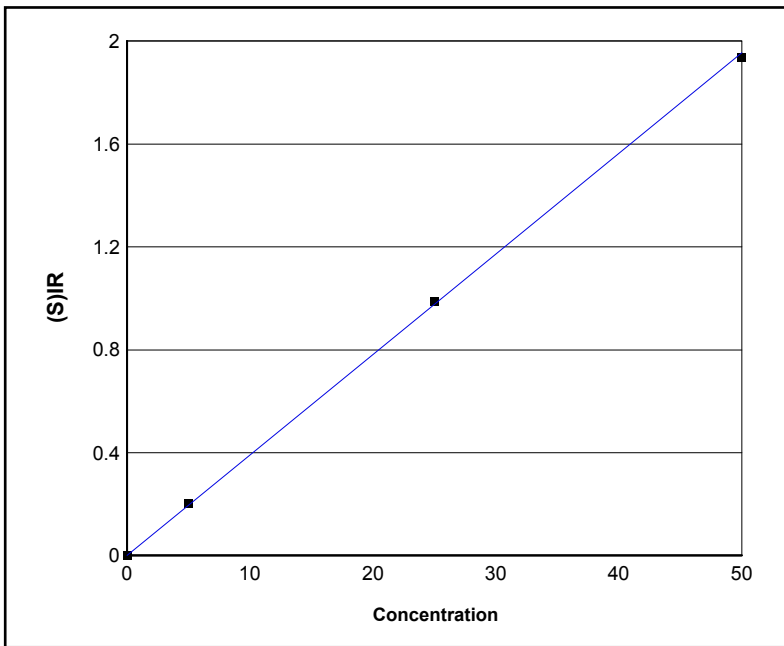
Element Name:	Cr	
Element Wavelength:	Cr 267.716 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99996	
A0 (Offset):	0.000035895	
A1 (Gain):	0.20495	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000017172	0.00000	0.000035543	0.000062413	1
IC4	1.0000	0.99000	-0.0065487	-0.65487	0.20365	0.00096869	1
IC2	0.10000	0.10000	0.0013279	1.3279	0.020803	0.000025107	1
IC3	0.50000	0.51000	0.0052208	1.0442	0.10358	0.0000058760	1



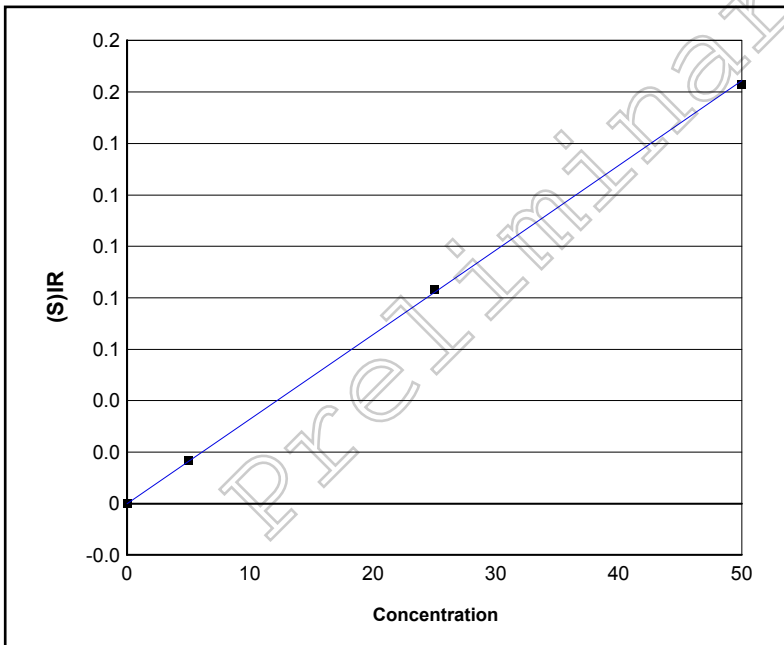
Element Name:	Cu	
Element Wavelength:	Cu 324.754 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99997	
A0 (Offset):	0.0036530	
A1 (Gain):	0.38262	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000018193	0.00000	0.0036523	0.000099565	1
IC4	1.0000	0.99000	-0.0061815	-0.61815	0.38409	0.0014370	1
IC2	0.10000	0.10000	0.0015014	1.5014	0.042508	0.000036474	1
IC3	0.50000	0.50000	0.0046801	0.93602	0.19685	0.00018246	1



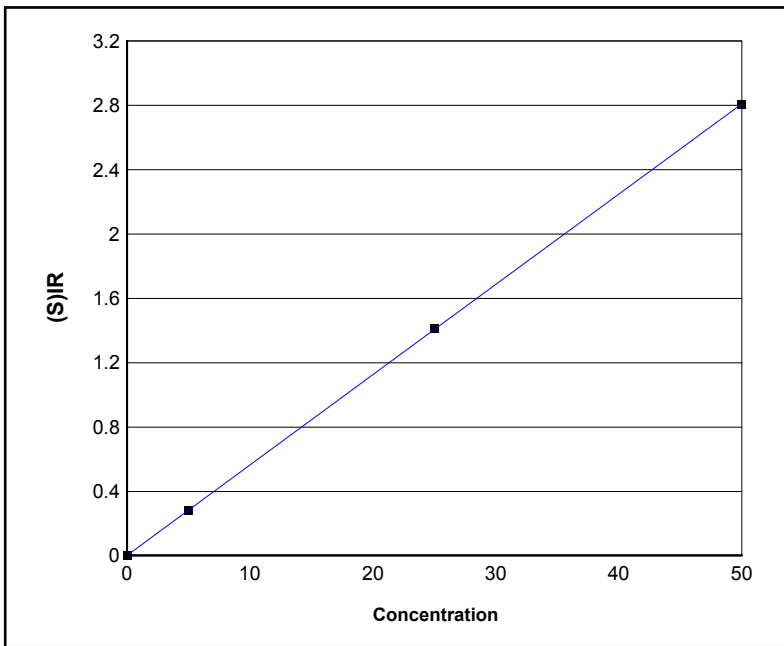
Element Name:	Fe	
Element Wavelength:	Fe 259.940 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99993	
A0 (Offset):	0.000051156	
A1 (Gain):	0.039093	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000000	-0.00016308	0.00000	0.000044780	0.00013610	1
IC4	50.000	49.560	-0.44240	-0.88481	1.9374	0.00098438	1
IC2	5.0000	5.1500	0.14855	2.9710	0.20132	0.00019759	1
IC3	25.000	25.290	0.29385	1.1754	0.98887	0.00083246	1



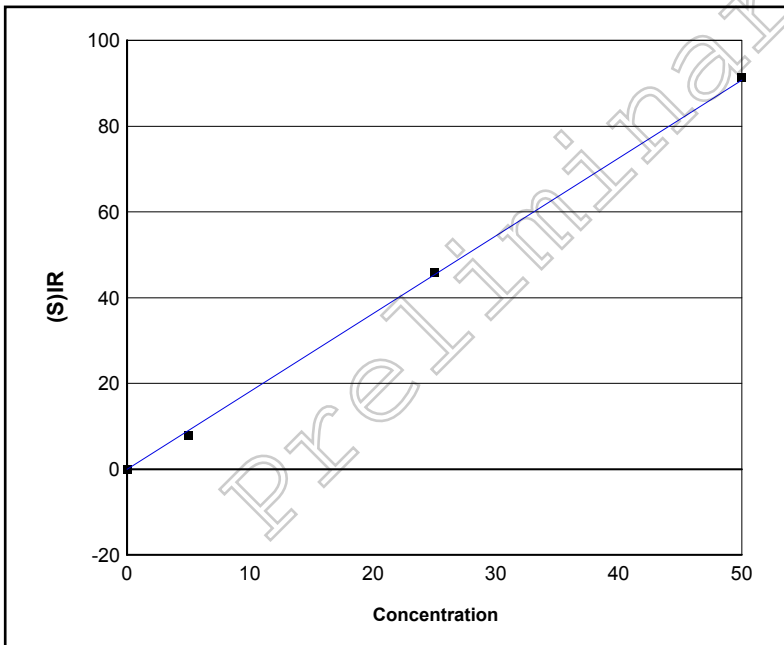
Element Name:	Fe	
Element Wavelength:	Fe 271.441 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99995	
A0 (Offset):	-0.00011639	
A1 (Gain):	0.0032892	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000000	-0.00010335	0.00000	-0.00011673	0.00015144	1
IC4	50.000	49.610	-0.39087	-0.78173	0.16306	0.000062915	1
IC2	5.0000	5.0800	0.080334	1.6067	0.016594	0.00016156	1
IC3	25.000	25.310	0.31053	1.2421	0.083135	0.00025768	1



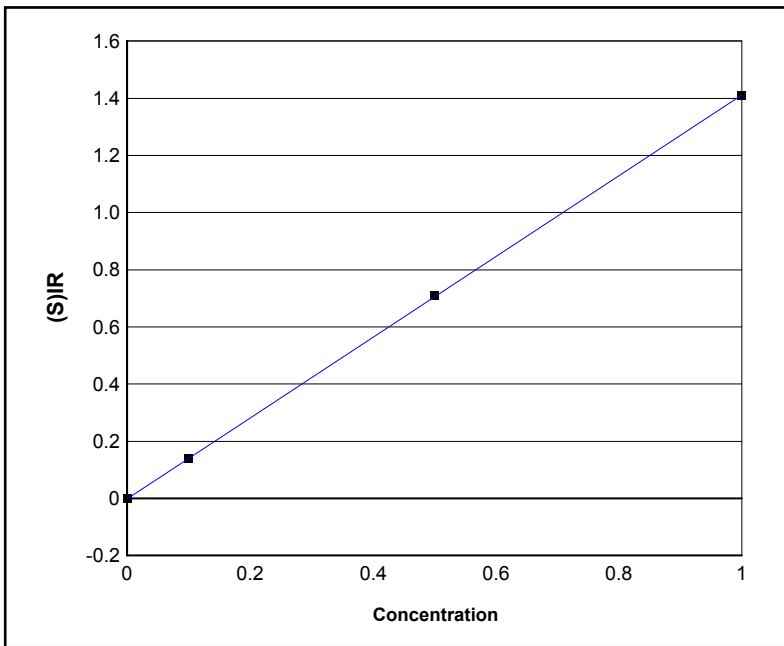
Element Name:	K	
Element Wavelength:	K 766.490 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99999	
A0 (Offset):	0.0012386	
A1 (Gain):	0.056183	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000000	0.000039409	0.00000	0.0012408	0.00018974	1
IC4	50.000	49.900	-0.098541	-0.19708	2.8049	0.0077135	1
IC2	5.0000	4.9400	-0.061578	-1.2316	0.27870	0.00061275	1
IC3	25.000	25.160	0.16012	0.64048	1.4148	0.00078733	1



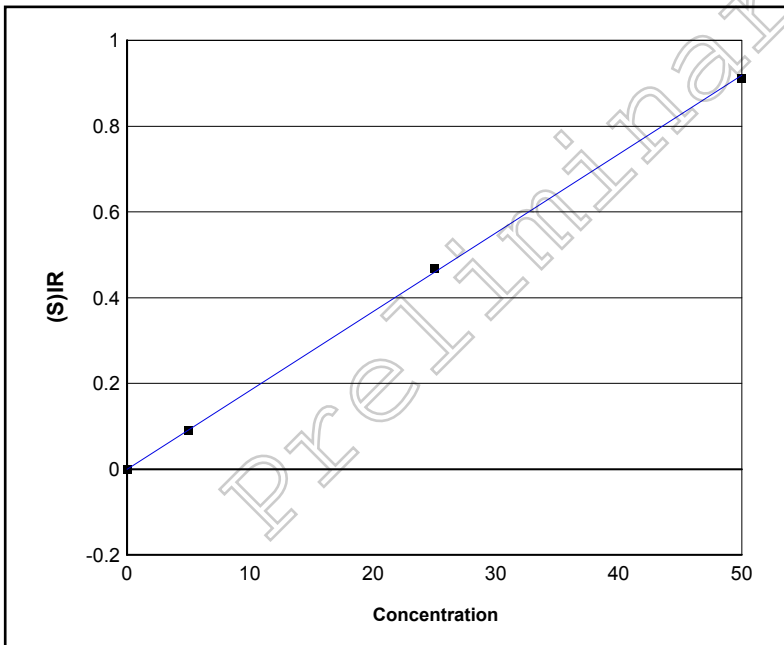
Element Name:	K	
Element Wavelength:	K 766.490 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99934	
A0 (Offset):	-0.00049897	
A1 (Gain):	1.8163	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000000	0.00059627	0.00000	0.00058403	0.000079602	1
IC4	50.000	50.360	0.36403	0.72806	91.475	1.1792	1
IC2	5.0000	4.3000	-0.69984	-13.997	7.8098	0.016713	1
IC3	25.000	25.340	0.33581	1.3432	46.016	0.27989	1



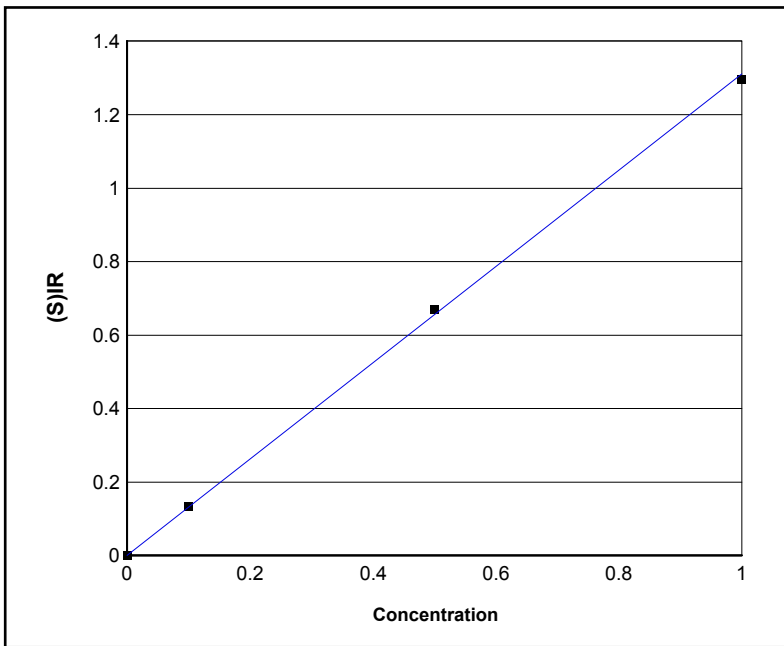
Element Name:	Li
Element Wavelength:	Li 670.784 nm
Concentration Units:	ppm
Date of Calibration:	11/13/2012 1:49:05PM
Date of Fit:	11/13/2012 1:49:05PM
Type of Fit:	Linear
Correlation:	0.99999
A0 (Offset):	-0.0014071
A1 (Gain):	1.4136
A2 (Curvature):	0.00000
n (Exponent):	1.0000
Reslope QC Normalize	
Slope:	1.0000
Y Int:	0.00000
Slope factor:	1.0000
Offset:	0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000008403	0.00000	-0.0014060	0.000072016	1
IC2	0.10000	0.100000	-0.0012120	-1.2120	0.13824	0.0014705	1
IC3	0.50000	0.50000	0.0025051	0.50101	0.70892	0.0015685	1
IC4	1.0000	1.00000	-0.0012931	-0.12931	1.4103	0.0017598	1



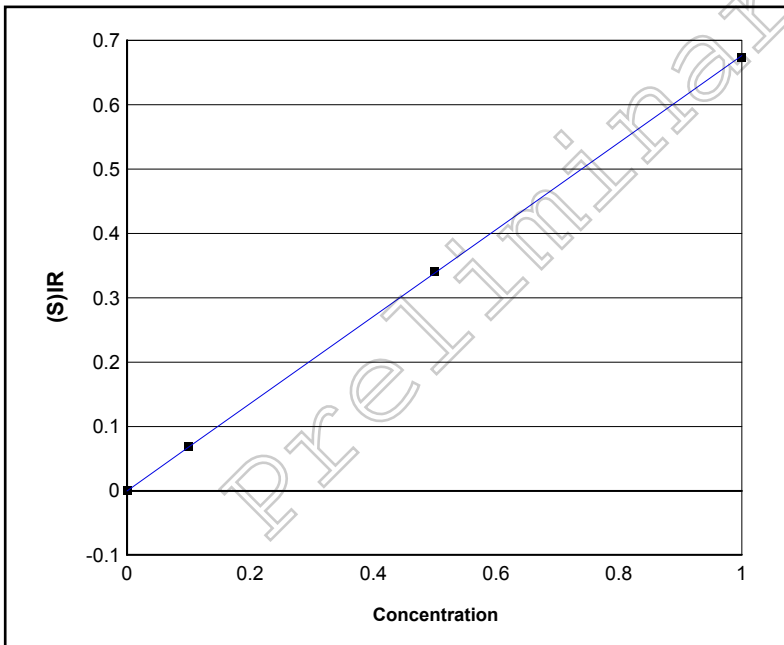
Element Name:	Mg
Element Wavelength:	Mg 279.079 nm
Concentration Units:	ppm
Date of Calibration:	11/13/2012 1:49:05PM
Date of Fit:	11/13/2012 1:49:05PM
Type of Fit:	Linear
Correlation:	0.99994
A0 (Offset):	-0.000075906
A1 (Gain):	0.018391
A2 (Curvature):	0.00000
n (Exponent):	1.0000
Reslope QC Normalize	
Slope:	1.0000
Y Int:	0.00000
Slope factor:	1.0000
Offset:	0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.000036412	0.00000	-0.000076576	0.0000013960	1
IC4	50.000	49.600	-0.40293	-0.80586	0.91207	0.0041216	1
IC2	5.0000	5.0000	-0.0048517	-0.097035	0.091790	0.00010127	1
IC3	25.000	25.410	0.40778	1.6311	0.46720	0.00076971	1



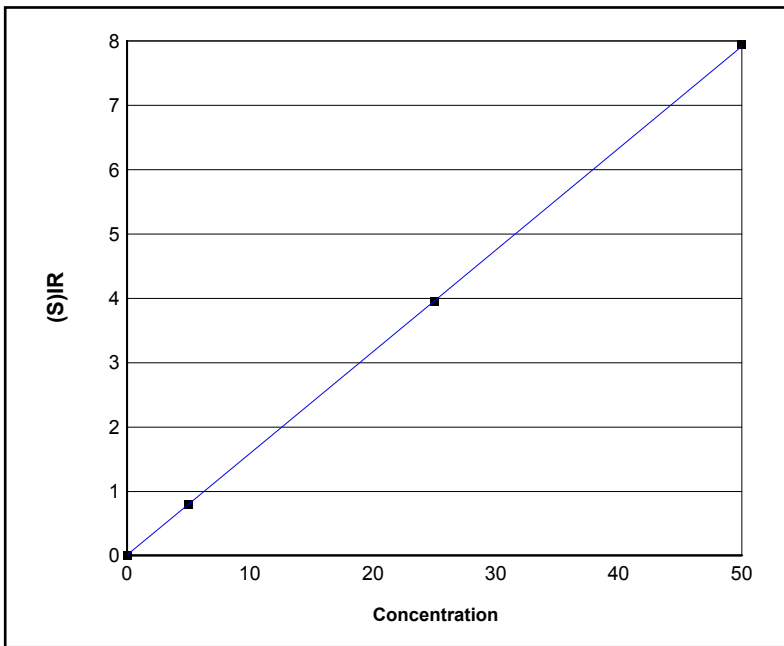
Element Name:	Mn	
Element Wavelength:	Mn 257.610 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99989	
A0 (Offset):	0.00069629	
A1 (Gain):	1.3107	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000024753	0.00000	0.00069304	0.000035422	1
IC4	1.0000	0.99000	-0.011517	-1.1517	1.2963	0.0067974	1
IC2	0.10000	0.10000	0.0016545	1.6545	0.13393	0.00031687	1
IC3	0.50000	0.51000	0.0098630	1.9726	0.66897	0.0011017	1



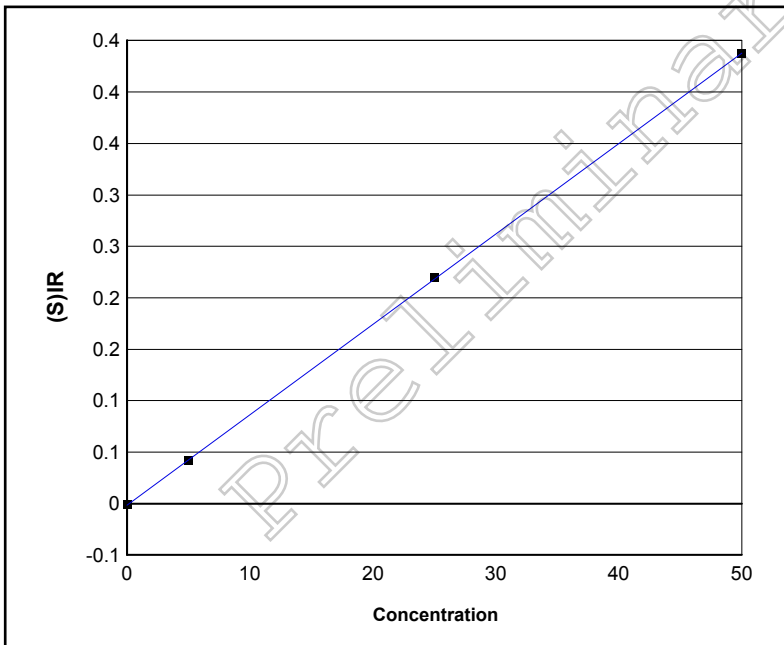
Element Name:	Mo	
Element Wavelength:	Mo 202.030 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99998	
A0 (Offset):	-0.000065733	
A1 (Gain):	0.67653	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000014905	0.00000	-0.000066741	0.00012617	1
IC4	1.0000	1.00000	-0.0044957	-0.44957	0.67343	0.0015364	1
IC2	0.10000	0.10000	0.0013012	1.3012	0.068468	0.00023884	1
IC3	0.50000	0.50000	0.0031946	0.63891	0.34036	0.00022960	1



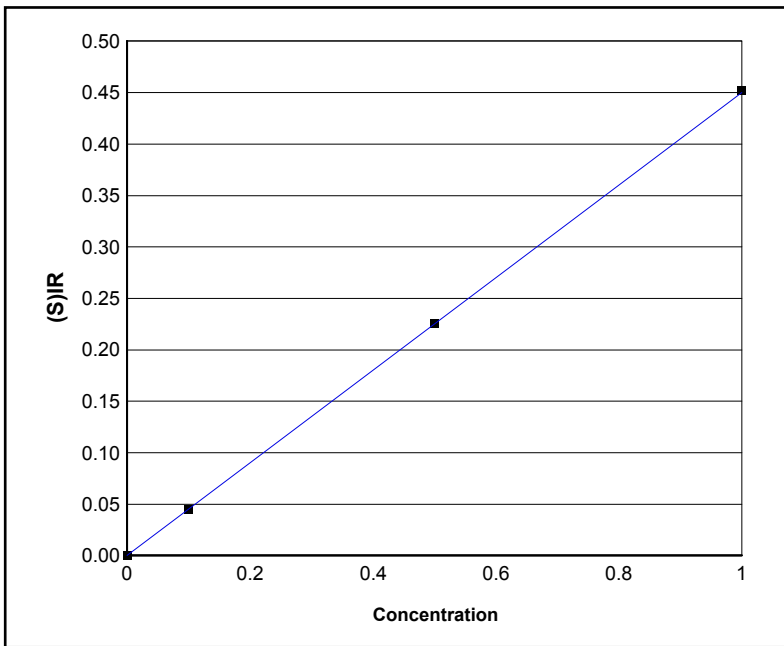
Element Name:	Na	
Element Wavelength:	Na 589.592 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99999	
A0 (Offset):	0.0072436	
A1 (Gain):	0.15827	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	0.000063331	0.00000	0.0072536	0.0010261	1
IC4	50.000	50.140	0.14184	0.28369	7.9432	0.0050802	1
IC2	5.0000	4.9400	-0.061433	-1.2287	0.78887	0.0027813	1
IC3	25.000	24.920	-0.080410	-0.32164	3.9513	0.0014572	1



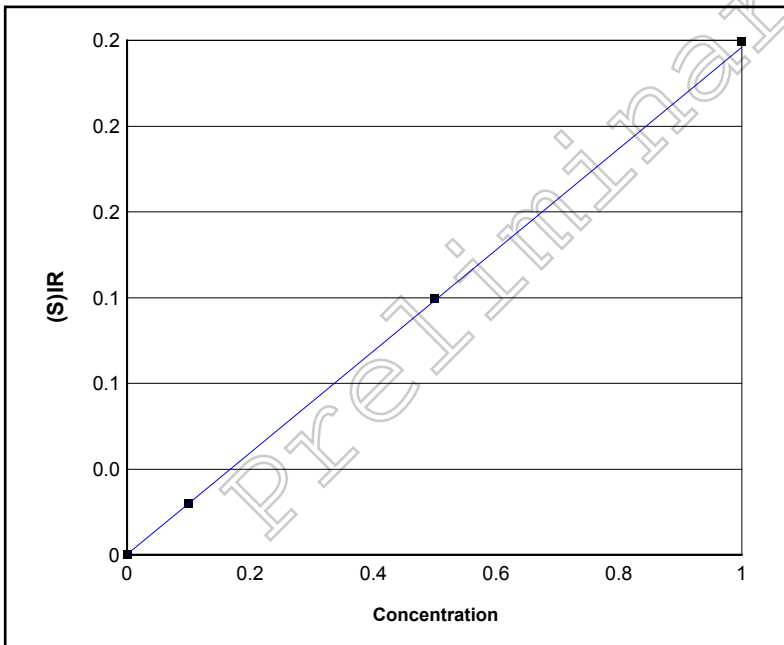
Element Name:	Na	
Element Wavelength:	Na 818.326 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99998	
A0 (Offset):	-0.0013551	
A1 (Gain):	0.0087847	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	0.000077912	0.00000	-0.0013544	0.00053377	1
IC4	50.000	49.990	-0.011430	-0.022860	0.43778	0.00049331	1
IC2	5.0000	4.9000	-0.098819	-1.9764	0.041700	0.00031316	1
IC3	25.000	25.110	0.11025	0.44099	0.21923	0.00052079	1



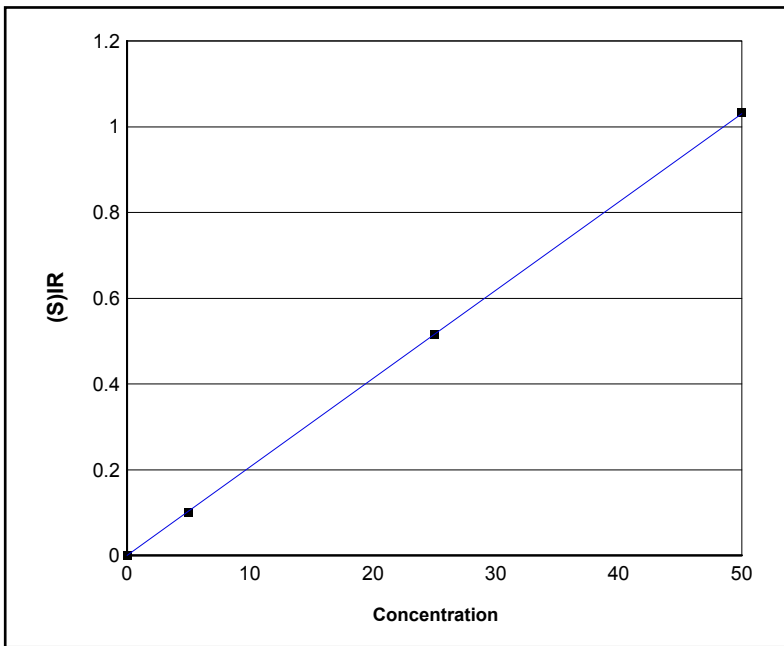
Element Name: Ni	
Element Wavelength: Ni 231.604 nm	
Concentration Units: ppm	
Date of Calibration: 11/13/2012 1:49:05PM	
Date of Fit: 11/13/2012 1:49:05PM	
Type of Fit: Linear	
Correlation: 0.99999	
A0 (Offset): 0.00013399	
A1 (Gain): 0.44994	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000015365	0.00000	0.00013468	0.000010870	1
IC4	1.0000	1.0000	0.0026251	0.26251	0.45199	0.00084284	1
IC2	0.10000	0.100000	-0.0015924	-1.5924	0.044485	0.000081401	1
IC3	0.50000	0.50000	-0.0010327	-0.20653	0.22501	0.00039389	1



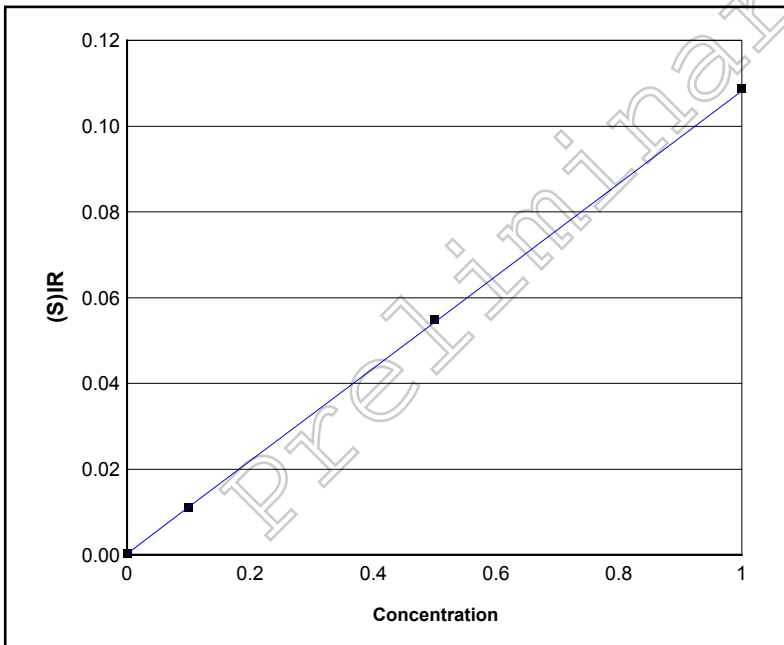
Element Name: Pb	
Element Wavelength: Pb 220.353 nm	
Concentration Units: ppm	
Date of Calibration: 11/13/2012 1:49:05PM	
Date of Fit: 11/13/2012 1:49:05PM	
Type of Fit: Linear	
Correlation: 0.99999	
A0 (Offset): 0.00023563	
A1 (Gain): 0.23655	
A2 (Curvature): 0.00000	
n (Exponent): 1.0000	
Reslope	QC Normalize
Slope: 1.0000	Slope factor: 1.0000
Y Int: 0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000011618	0.00000	0.00023590	0.000017537	1
IC4	1.0000	1.0000	0.0016299	0.16299	0.23963	0.00088467	1
IC2	0.10000	0.100000	-0.0012485	-1.2485	0.023842	0.000077672	1
IC3	0.50000	0.50000	-0.00038146	-0.076292	0.11965	0.0011629	1



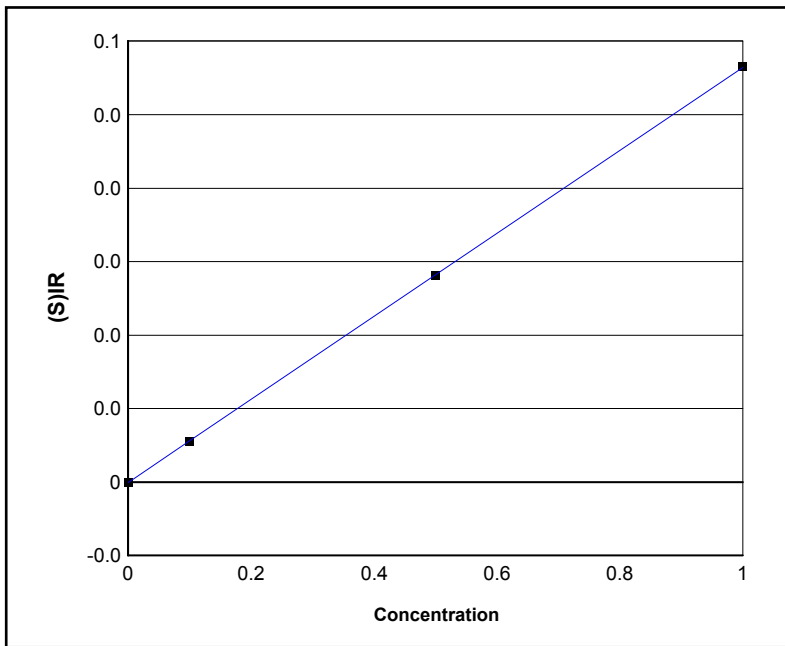
Element Name:	S	
Element Wavelength:	S 182.034 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99998	
A0 (Offset):	0.00014327	
A1 (Gain):	0.020623	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000000	0.00010017	0.00000	0.00014534	0.000038464	1
IC2	5.0000	4.8900	-0.11042	-2.2084	0.10098	0.00031316	1
IC3	25.000	24.990	-0.0079598	-0.031839	0.51555	0.00068954	1
IC4	50.000	50.120	0.11838	0.23676	1.0337	0.0012378	1



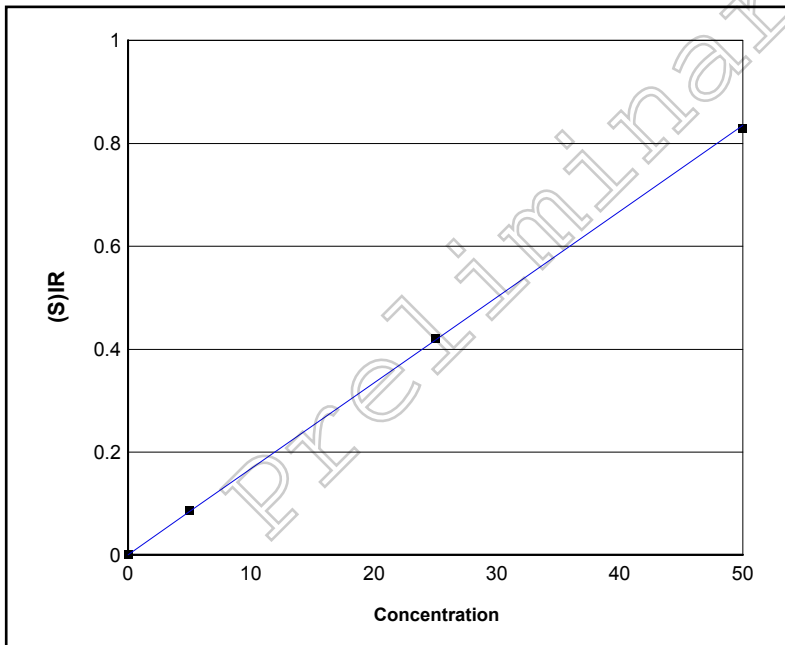
Element Name:	Sb	
Element Wavelength:	Sb 206.833 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99999	
A0 (Offset):	0.00032453	
A1 (Gain):	0.10790	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.000000000	-0.0000000418	0.00000	0.00032452	0.00010755	1
IC4	1.0000	1.00000	-0.0022988	-0.22988	0.10888	0.00028265	1
IC2	0.10000	0.100000	-0.00023510	-0.23510	0.011179	0.00014190	1
IC3	0.50000	0.50000	0.0025339	0.50678	0.055000	0.000090449	1



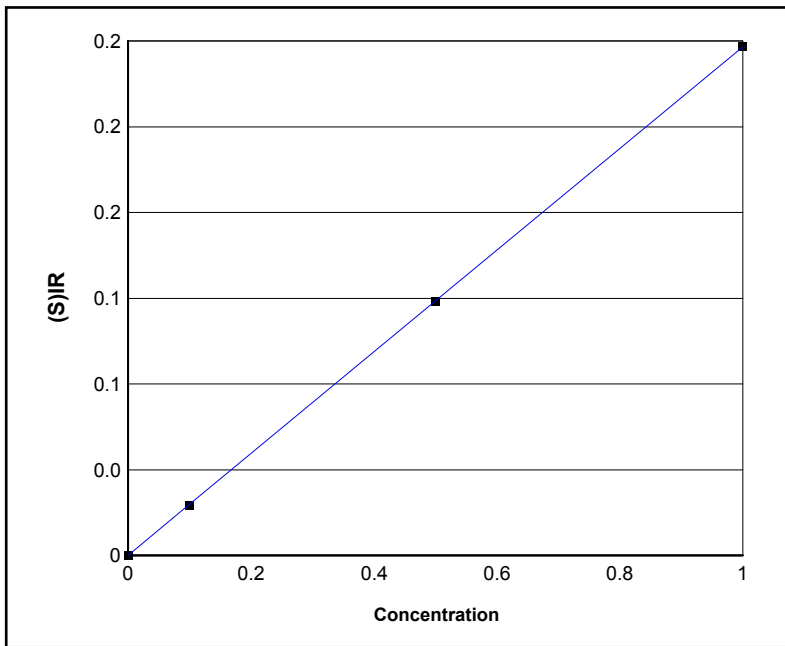
Element Name:	Se	
Element Wavelength:	Se 196.090 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99998	
A0 (Offset):	-0.000058270	
A1 (Gain):	0.056504	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000019021	0.00000	-0.000058163	0.000016836	1
IC4	1.0000	1.0000	0.0037407	0.37407	0.056617	0.000026952	1
IC2	0.10000	0.100000	-0.0019101	-1.9101	0.0054802	0.000025248	1
IC3	0.50000	0.50000	-0.0018306	-0.36613	0.028070	0.000023887	1



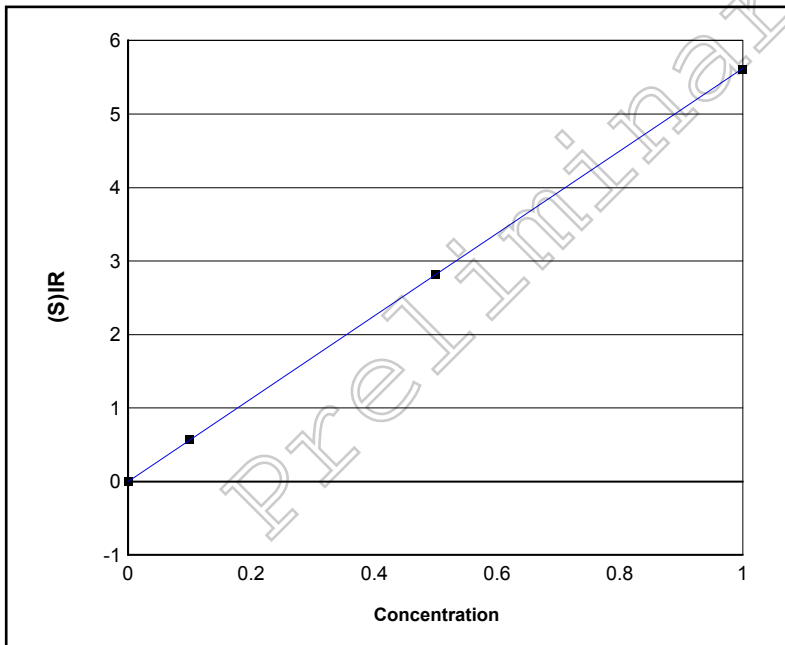
Element Name:	Si	
Element Wavelength:	Si 288.158 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99996	
A0 (Offset):	0.00074348	
A1 (Gain):	0.016689	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.00000000	-0.00011345	0.00000	0.00074159	0.0000000728	1
IC2	5.0000	5.1000	0.10236	2.0471	0.085899	0.00011131	1
IC3	25.000	25.210	0.21325	0.85301	0.42154	0.0019701	1
IC4	50.000	49.680	-0.31561	-0.63122	0.82995	0.00055909	1



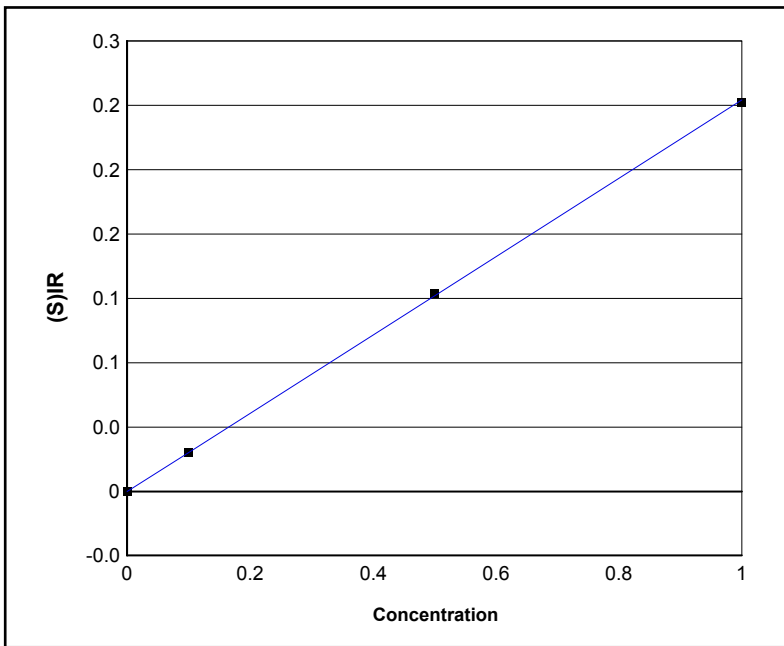
Element Name:	Sn	
Element Wavelength:	Sn 189.989 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99998	
A0 (Offset):	0.00016223	
A1 (Gain):	0.23716	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000021043	0.00000	0.00016273	0.00014885	1
IC4	1.0000	1.0000	0.0018917	0.18917	0.23732	0.0010680	1
IC2	0.10000	0.100000	-0.0023939	-2.3939	0.023266	0.00029383	1
IC3	0.50000	0.50000	0.00050224	0.10045	0.11864	0.000025886	1



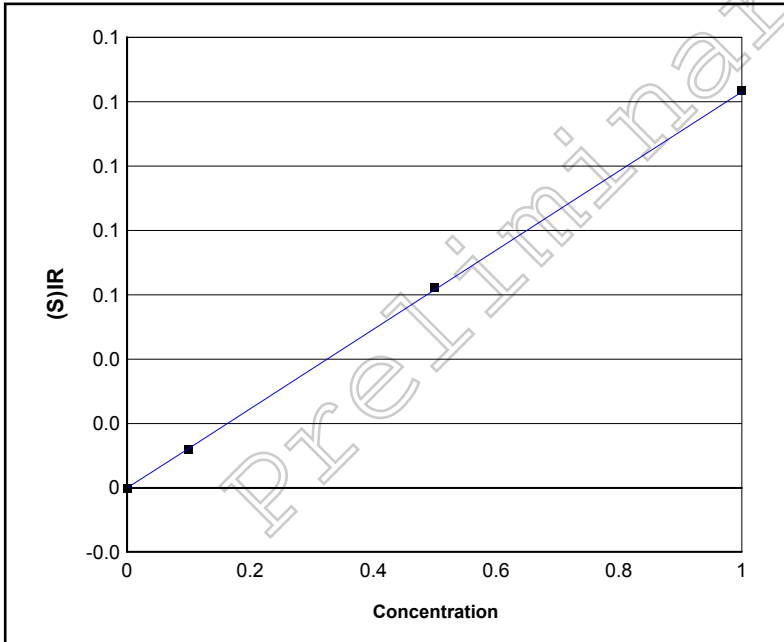
Element Name:	Sr	
Element Wavelength:	Sr 407.771 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99998	
A0 (Offset):	-0.0013566	
A1 (Gain):	5.6245	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000015962	0.00000	-0.0013656	0.00021443	1
IC2	0.10000	0.10000	0.0015176	1.5176	0.56963	0.00059881	1
IC3	0.50000	0.50000	0.0023033	0.46067	2.8238	0.00054251	1
IC4	1.0000	1.00000	-0.0038210	-0.38210	5.6016	0.00041051	1



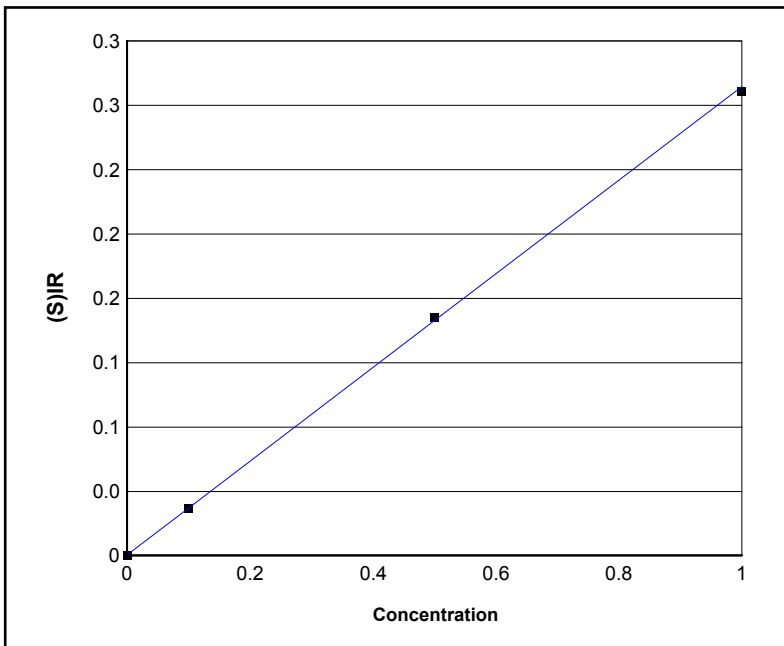
Element Name:	Ti		
Element Wavelength:	Ti 334.904 nm		
Concentration Units:	ppm		
Date of Calibration:	11/13/2012 1:49:05PM		
Date of Fit:	11/13/2012 1:49:05PM		
Type of Fit:	Linear		
Correlation:	0.99997		
A0 (Offset):	-0.00022533		
A1 (Gain):	0.24358		
A2 (Curvature):	0.00000		
n (Exponent):	1.0000		
Reslope QC Normalize			
Slope:	1.0000	Slope factor:	1.0000
Y Int:	0.00000	Offset:	0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000003004	0.00000	-0.00022540	0.000062664	1
IC4	1.0000	0.99000	-0.0058059	-0.58059	0.24208	0.00095850	1
IC2	0.10000	0.100000	-0.00035020	-0.35020	0.024061	0.00017882	1
IC3	0.50000	0.51000	0.0061561	1.2312	0.12313	0.00036521	1



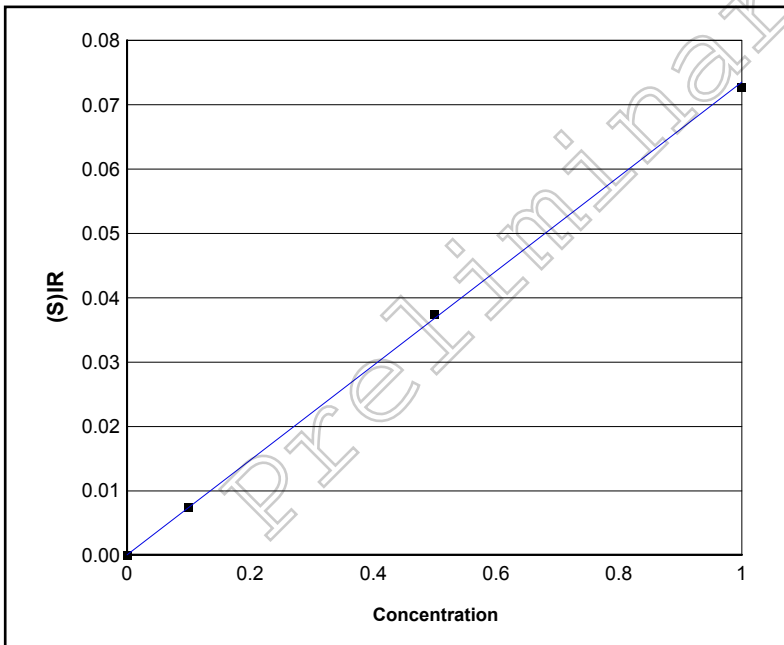
Element Name:	Ti		
Element Wavelength:	Ti 190.856 nm		
Concentration Units:	ppm		
Date of Calibration:	11/13/2012 1:49:05PM		
Date of Fit:	11/13/2012 1:49:05PM		
Type of Fit:	Linear		
Correlation:	0.99998		
A0 (Offset):	-0.00014025		
A1 (Gain):	0.12317		
A2 (Curvature):	0.00000		
n (Exponent):	1.0000		
Reslope QC Normalize			
Slope:	1.0000	Slope factor:	1.0000
Y Int:	0.00000	Offset:	0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	0.0000012781	0.00000	-0.00014009	0.000075364	1
IC4	1.0000	1.00000	-0.0020580	-0.20580	0.12345	0.000048451	1
IC2	0.10000	0.100000	-0.0018548	-1.8548	0.012016	0.000079463	1
IC3	0.50000	0.50000	0.0039128	0.78256	0.062264	0.00031104	1



Element Name:	V	
Element Wavelength:	V 292.402 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99994	
A0 (Offset):	0.00030656	
A1 (Gain):	0.29155	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000012586	0.00000	0.00030619	0.00019866	1
IC4	1.0000	0.99000	-0.0084310	-0.84310	0.28877	0.0016682	1
IC2	0.10000	0.10000	0.00051940	0.51940	0.029550	0.00016348	1
IC3	0.50000	0.51000	0.0079116	1.5823	0.14807	0.00051923	1



Element Name:	Zn	
Element Wavelength:	Zn 206.200 nm	
Concentration Units:	ppm	
Date of Calibration:	11/13/2012 1:49:05PM	
Date of Fit:	11/13/2012 1:49:05PM	
Type of Fit:	Linear	
Correlation:	0.99991	
A0 (Offset):	0.0000043296	
A1 (Gain):	0.073565	
A2 (Curvature):	0.00000	
n (Exponent):	1.0000	
	Reslope	QC Normalize
Slope:	1.0000	Slope factor: 1.0000
Y Int:	0.00000	Offset: 0.00000

Standard Name	Stated	Found	Diff	% Diff	(S)IR	Stddev	Emphasis
IC1	0.00000	0.0000000000	-0.0000013996	0.00000	0.0000042267	0.000028711	1
IC4	1.0000	0.99000	-0.010262	-1.0262	0.072764	0.00055508	1
IC2	0.10000	0.10000	0.00046667	0.46667	0.0073901	0.000044017	1
IC3	0.50000	0.51000	0.0097955	1.9591	0.037482	0.000064574	1

Sample Name: IC1 Acquired: 11/13/2012 13:19:26 Type: Cal
 Method: ICAP2 2012 (v112) Mode: IR Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0015	.00005	-0.0011	-2.713	-0.983	.00279	.00361	.00303	-0.0031	.00814	.00032	-0.0004
Stddev	.00034	.00002	.00000	.198	.0919	.00009	.00063	.00005	.00006	.00022	.00006	.00016
%RSD	226.99	51.749	.77075	7.302	93.48	3.1097	17.313	1.5218	18.331	2.6715	18.593	370.75

#1	.00009	.00003	-.00011	-2.853	-.0333	.00273	.00405	.00306	-.00027	.00799	.00028	.00007
#2	-.00039	.00006	-.00011	-2.573	-.1633	.00286	.00317	.00300	-.00035	.00830	.00036	-.00016

Elem	Cr2677	Cu3247	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0006	.00388	-0.0007	-0.0006	-0.0023	.00157	-0.00229	-0.0004	.00063	-0.0011	.00678	-0.00238
Stddev	.00006	.00011	.00002	.00029	.00284	.00032	.00018	.00006	.00008	.00006	.00052	.00042
%RSD	104.14	2.7722	24.265	447.47	1242.7	20.114	7.8180	150.60	12.704	50.838	7.6436	17.804

#1	-.00010	.00381	-.00008	-.00027	-.00224	.00134	-.00242	.00000	.00069	-.00007	.00641	-.00208
#2	-.00002	.00396	-.00006	.00014	.00178	.00179	-.00217	-.00009	.00057	-.00015	.00715	-.00267

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00006	.00024	.00024	.00035	.00010	.00071	.00026	-0.00091	-0.00029	-0.00024	.00030	-0.00002
Stddev	.00026	.00038	.00016	.00013	.00005	.00003	.00007	.00055	.00019	.00008	.00008	.00002
%RSD	464.26	155.28	68.080	37.307	49.257	3.9508	26.758	61.248	65.662	33.952	27.161	126.86

#1	-.00013	.00051	.00036	.00044	.00014	.00073	.00031	-.00130	-.00042	-.00030	.00025	.00000
#2	.00024	-.00002	.00012	.00026	.00007	.00069	.00021	-.00051	-.00015	-.00019	.00036	-.00003

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3593.2	5096.5	28805.	10125.
Stddev	8.2	19.6	163.	16.
%RSD	.22851	.38375	.56629	.16163

#1	3599.0	5110.4	28690.	10136.
#2	3587.4	5082.7	28921.	10113.

Preliminary

Sample Name: IC2 Acquired: 11/13/2012 13:21:43 Type: Cal
 Method: ICAP2 2012 (v112) Mode: IR Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02288	.06222	.00435	31.17	22.05	.03984	.39974	1.5624	.36794	.47734	.15093	.12722	.02141
Stddev	.00025	.00090	.00013	.10	.77	.00028	.00085	.0008	.00146	.00007	.00064	.00002	.00008
%RSD	1.1138	1.4476	3.0495	.3191	3.476	.69191	.21182	.05188	.39575	.01516	.42221	.01192	.38359

#1	.02306	.06158	.00426	31.24	22.59	.03965	.39915	1.5618	.36691	.47729	.15048	.12721	.02147
#2	.02270	.06286	.00444	31.10	21.51	.04004	.40034	1.5629	.36897	.47740	.15138	.12723	.02135

Elem	Cu3247	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.04344	.20008	.01681	.28252	7.8839	.14079	.09542	.13734	.06829	.78282	.04310	.04479	.02383
Stddev	.00006	.00091	.00028	.00042	.0210	.00024	.00024	.00015	.00034	.00536	.00096	.00013	.00016
%RSD	.13835	.45381	1.6730	.15006	.26590	.16829	.24647	.11145	.50270	.68478	2.2178	.28567	.65207

#1	.04340	.19944	.01701	.28282	7.8691	.14096	.09526	.13723	.06805	.77903	.04242	.04488	.02394
#2	.04348	.20072	.01662	.28222	7.8987	.14062	.09559	.13745	.06853	.78661	.04377	.04470	.02372

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.10076	.01140	.00546	.08555	.02328	.56809	.02516	.01199	.03069	.00769
Stddev	.00050	.00022	.00004	.00019	.00024	.00153	.00006	.00013	.00037	.00001
%RSD	.49650	1.9434	.79032	.21711	1.0423	.26984	.23113	1.0690	1.1951	.10164

#1	.10041	.01124	.00543	.08542	.02311	.56700	.02520	.01208	.03095	.00770
#2	.10111	.01155	.00549	.08568	.02345	.56917	.02511	.01190	.03043	.00769

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3558.8	5084.6	28689.	10324.
Stddev	9.2	21.0	14.	14.
%RSD	.25922	.41346	.04753	.13935

#1	3565.3	5099.5	28698.	10334.
#2	3552.3	5069.7	28679.	10314.

Preliminary

Sample Name: IC3 Acquired: 11/13/2012 13:23:55 Type: Cal
 Method: ICAP2 2012 (v112) Mode: IR Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.11476	.31206	.02314	168.6	106.5	.18648	1.9777	7.7480	1.8081	2.3225	.76059	.65038	.10360
Stddev	.00050	.00221	.00009	1.0	1.8	.00098	.0146	.0057	.0174	.0226	.00208	.00160	.00040
%RSD	.43438	.70728	.36912	.5865	1.659	.52766	.73780	.07303	.96429	.97237	.27361	.24544	.38350

#1	.11441	.31049	.02320	167.9	105.3	.18578	1.9674	7.7440	1.7957	2.3065	.75912	.64925	.10332
#2	.11511	.31362	.02308	169.3	107.8	.18717	1.9880	7.7520	1.8204	2.3384	.76206	.65151	.10388

Elem	Cu3247	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.20091	.97992	.08365	1.4226	46.475	.71351	.47568	.67485	.34064	3.9148	.21919	.22586	.11946
Stddev	.00042	.00927	.00115	.0159	.686	.00577	.00032	.00021	.00139	.0307	.00036	.00028	.00060
%RSD	.20830	.94556	1.3752	1.1144	1.4765	.80805	.06812	.03185	.40819	.78514	.16306	.12461	.49823

#1	.20061	.97336	.08284	1.4114	45.990	.70944	.47591	.67470	.33966	3.8931	.21894	.22566	.11904
#2	.20120	.98647	.08446	1.4338	46.961	.71759	.47545	.67501	.34162	3.9366	.21945	.22606	.11989

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.51144	.05495	.02839	.42017	.11822	2.8115	.12588	.06208	.15144	.03767
Stddev	.00157	.00018	.00023	.00374	.00007	.0187	.00032	.00018	.00035	.00006
%RSD	.30631	.32202	.82070	.88919	.05865	.66564	.25068	.28756	.23114	.14852

#1	.51034	.05483	.02855	.41752	.11827	2.7983	.12565	.06195	.15169	.03763
#2	.51255	.05508	.02823	.42281	.11817	2.8248	.12610	.06220	.15120	.03771

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3359.4	4992.8	28205.	10249.
Stddev	10.3	14.3	59.	56.
%RSD	.30703	.28638	.20767	.54940

#1	3366.7	5002.9	28247.	10288.
#2	3352.2	4982.7	28164.	10209.

Preliminary

Sample Name: IC4 Acquired: 11/13/2012 13:26:05 Type: Cal
 Method: ICAP2 2012 (v112) Mode: IR Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	23340	60181	04588	331.8	209.2	36391	3.7680	14.868	3.4569	4.4855	1.5032	1.3034	21019
Stddev	.00006	.00941	.00009	.1	.5	.00009	.0636	.103	.0533	.0746	.0007	.0054	.00008
%RSD	.02540	1.5628	.20163	.0287	.2383	.02353	1.6871	.69287	1.5417	1.6630	.04540	.41257	.03922

#1	.23344	.59516	.04581	331.7	208.8	.36385	3.7231	14.941	3.4193	4.4327	1.5037	1.3072	.21025
#2	.23336	.60846	.04594	331.9	209.6	.36397	3.8130	14.795	3.4946	4.5382	1.5028	1.2996	.21013

Elem	Cu3247	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	39381	1.8860	16025	2.7462	94.476	1.3793	95230	1.3462	66748	7.6875	42767	45264	23892
Stddev	.00025	.0315	.00250	.0437	1.180	.0227	.00164	.0010	.00048	.1376	.00792	.00046	.00070
%RSD	.06263	1.6691	1.5620	1.5918	1.2494	1.6479	.17248	.07046	.07142	1.7901	1.8528	.10203	.29161

#1	.39399	1.8638	.15848	2.7153	93.642	1.3632	.95346	1.3469	.66781	7.5902	.42207	.45297	.23843
#2	.39364	1.9083	.16202	2.7771	95.311	1.3954	.95114	1.3455	.66714	7.7848	.43327	.45232	.23942

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.0166	10770	05588	80846	23850	5.4384	25160	12248	30126	07650
Stddev	.0003	.00065	.00013	.01490	.00018	.0950	.00030	.00082	.00002	.00023
%RSD	.02440	.60437	.23289	1.8427	.07548	1.7468	.11994	.67032	.00506	.30613

#1	1.0164	.10724	.05597	.79793	.23862	5.3712	.25182	.12307	.30125	.07667
#2	1.0167	.10816	.05579	.81899	.23837	5.5056	.25139	.12190	.30127	.07633

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3202.5	4909.0	27023.	10107.
Stddev	4.2	1.0	21.	9.
%RSD	.13188	.02088	.07704	.08870

#1	3199.6	4909.7	27038.	10114.
#2	3205.5	4908.2	27009.	10101.

Sample Name: ICV-1043084 Acquired: 11/13/2012 13:28:20 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.37386	18.624	.37023	.3808	.3820	.37299	.38074	.37772	19.077	.37106	.36318	.37953	.37075
Stddev	.00133	.001	.00003	.0025	.0034	.00025	.00059	.00182	.078	.00020	.00014	.00054	.00050
%RSD	.35510	.00433	.00781	.6543	.8976	.06671	.15408	.48161	.40938	.05334	.03736	.14247	.13615

#1	.37292	18.624	.37025	.3790	.3796	.37281	.38033	.37644	19.022	.37120	.36309	.37991	.37110
#2	.37479	18.625	.37021	.3825	.3845	.37316	.38116	.37901	19.132	.37092	.36328	.37914	.37039

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.648	18.809	18.460	.37268	18.234	.37731	.37022	18.837	.36464	.36616	18.317	.37842	.37213
Stddev	.130	.078	.132	.00096	.012	.00023	.00062	.027	.00037	.00036	.006	.00130	.00076
%RSD	.69801	.41684	.71377	.25744	.06586	.05970	.16643	.14241	.10279	.09870	.03391	.34386	.20552

#1	18.556	18.754	18.366	.37200	18.226	.37747	.37065	18.818	.36438	.36641	18.321	.37750	.37267
#2	18.740	18.864	18.553	.37336	18.243	.37715	.36978	18.856	.36491	.36590	18.312	.37934	.37159

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	19.147	.37033	.37955	.37528	.37407	.36865	z *****	z *****	.37989
Stddev	.091	.00141	.00151	.00036	.00040	.00168	-----	-----	.00034
%RSD	.47783	.38019	.39908	.09510	.10791	.45677	-----	-----	.08993

#1	19.083	.37133	.37848	.37553	.37436	.36984	z 3684.	z 12290.	.38013
#2	19.212	.36933	.38062	.37503	.37379	.36746	z 3687.	z 12270.	.37965

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3453.4	5079.9	28049.	10307.
Stddev	2.0	.8	24.	27.
%RSD	.05850	.01477	.08521	.26471

#1	3454.9	5080.4	28032.	10326.
#2	3452.0	5079.4	28066.	10287.

Sample Name: ICB-1025739 Acquired: 11/13/2012 13:30:29 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00021	.00625	.00157	.0006	.0026	.00255	.00002	.00002	-0.00402	F .00256	.00248	.00065
Stddev	.00035	.00918	.00431	.0058	.0020	.00365	.00001	.00007	.00183	.00351	.00330	.00106
%RSD	162.30	147.03	274.11	899.2	76.90	143.27	35.505	313.32	45.673	137.13	132.92	163.17

#1	-0.00003	-0.00025	-0.00148	-0.0034	.0012	-0.00003	.00002	-0.00003	-0.00532	.00008	.00015	.00140
#2	.00046	.01274	.00462	.0047	.0040	.00513	.00001	.00007	-0.00272	.00505	.00482	-0.00010

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit										.00100		
Low Limit										-.00150		

Elem	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.00566	.00094	.00130	-0.00028	-0.00147	.00005	.00297	.00141	.00206	.00152	F .12193
Stddev	.00019	.00161	.00786	.00012	.00062	.00455	.00006	.00360	.00430	.00333	.00181	.17494
%RSD	58.382	28.484	838.84	9.1171	221.40	309.73	113.96	121.20	304.54	161.43	118.86	143.48

#1	.00019	.00452	-0.00462	.00138	.00016	.00175	.00009	.00042	.00445	-0.00029	.00024	-0.00177
#2	.00046	.00680	.00650	.00121	-0.00072	-0.00469	.00001	.00551	-0.00163	.00442	.00280	.24563

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.05000
Low Limit												-.05000

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00228	-0.00032	.01273	.00214	-0.00013	-0.00004	.00385	.00019	z *****	z *****	.00020
Stddev	.00410	.00102	.01592	.00355	.00005	.00020	.00168	.00034	z *****	z *****	.00002
%RSD	179.54	318.25	125.05	166.19	37.338	544.94	43.720	180.64	z *****	z *****	10.488

#1	-0.00061	-0.00104	.02399	-0.00037	-0.00017	.00010	.00266	.00043	z 3648.	z 12050.	.00019
#2	.00518	.00040	.00147	.00465	-0.00010	-0.00018	.00504	-0.00005	z 3680.	z 12240.	.00022

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit											
Low Limit											

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3594.0	5052.9	28586.	10197.
Stddev	4.0	15.8	.	78.
%RSD	.11158	.31357	.00169	.76139

#1	3596.9	5064.1	28585.	10142.
#2	3591.2	5041.7	28586.	10252.

Sample Name: CRI-1043085 Acquired: 11/13/2012 13:32:45 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00330	.18647	.00960	.0099	.0109	.02055	.00211	.00210	.51310	.00104	.00390	.00408
Stddev	.00023	.01017	.00012	.0004	.0021	.00054	.00003	.00005	.00001	.00007	.00010	.00073
%RSD	7.0802	5.4556	1.2245	3.958	19.40	2.6452	1.3378	2.3058	.00287	6.2884	2.6559	17.874

#1	.00347	.17927	.00952	.0096	.0124	.02094	.00213	.00213	.51309	.00100	.00382	.00357
#2	.00314	.19366	.00969	.0101	.0094	.02017	.00209	.00207	.51311	.00109	.00397	.00460

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range												

Elem	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01042	.05492	.52347	.39365	.02959	.20619	.00264	.01102	1.0575	.00988	.00482	.00672
Stddev	.00032	.00036	.02267	.00081	.00023	.00075	.00002	.00024	.0053	.00005	.00067	.00462
%RSD	3.1197	.64703	4.3302	.20631	.77647	.36461	.68019	2.1873	.49639	.45894	13.862	68.803

#1	.01019	.05517	.53950	.39307	.02942	.20672	.00265	.01085	1.0538	.00991	.00529	.00999
#2	.01065	.05467	.50744	.39422	.02975	.20566	.00262	.01119	1.0612	.00984	.00435	.00345

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value Range												

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01886	.01196	.54943	W .00525	.00497	.00545	.01939	.00518	z *****	z *****	.01088
Stddev	.00020	.00298	.02802	.00001	.00014	.00040	.00007	.00016	----	----	.00001
%RSD	1.0498	24.961	5.0992	.22890	2.9060	7.3144	.38132	3.0574	----	----	.12469

#1	.01900	.01407	.56924	.00524	.00507	.00574	.01944	.00529	z 3672.	z 12300.	.01089
#2	.01872	.00985	.52962	.00526	.00487	.00517	.01934	.00507	z 3678.	z 12270.	.01087

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range				.01000 -30.000%							

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3665.6	5169.0	28880.	10295.
Stddev	3.0	2.0	82.	3.
%RSD	.08264	.03794	.28331	.03014
#1	3667.7	5170.4	28938.	10297.
#2	3663.4	5167.6	28822.	10292.

Sample Name: IC1 Acquired: 11/13/2012 13:40:14 Type: Cal
 Method: ICAP2 2012 (v112) Mode: IR Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	-0.0006	.00009	-0.0011	-3.398	-3.3431	.00258	.00468	.00283	.00006	.00785	.00042	.00008
Stddev	.00001	.00012	.00003	.236	.2261	.00005	.00068	.00001	.00023	.00029	.00004	.00014
%RSD	18.612	137.26	31.575	6.937	65.91	1.9569	14.522	.35745	385.52	3.6411	8.5378	165.24

#1	-0.0006	.00000	-0.0008	-3.564	-.5030	.00261	.00516	.00282	-.00010	.00805	.00044	.00018
#2	-0.0005	.00018	-0.0013	-3.231	-.1832	.00254	.00420	.00284	.00023	.00765	.00039	-.00001

Elem	Cr2677	Cu3247	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00004	.00365	.00004	-.00012	.00124	.00058	-.00141	-.00008	.00069	-.00007	.00725	-.00135
Stddev	.00006	.00010	.00014	.00015	.00019	.00008	.00007	.00000	.00004	.00013	.00103	.00053
%RSD	175.60	2.7261	303.93	129.73	15.292	13.630	5.1222	1.8230	5.1111	189.04	14.145	39.410

#1	.00008	.00372	-.00005	-.00001	.00111	.00064	-.00146	-.00008	.00067	-.00016	.00798	-.00173
#2	-.00001	.00358	.00014	-.00022	.00137	.00053	-.00136	-.00008	.00072	.00002	.00653	-.00098

Elem	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.00013	.00024	.00015	.00032	-.00006	.00074	.00016	-.00137	-.00023	-.00014	.00031	.00000
Stddev	.00001	.00002	.00004	.00011	.00002	.00000	.00015	.00021	.00006	.00008	.00020	.00003
%RSD	8.0710	7.4338	26.465	33.142	28.946	.00982	91.474	15.703	27.801	53.797	64.880	679.27

#1	.00014	.00025	.00017	.00025	-.00005	.00074	.00027	-.00152	-.00018	-.00019	.00017	.00002
#2	.00013	.00022	.00012	.00040	-.00007	.00074	.00006	-.00121	-.00027	-.00009	.00045	-.00002

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3592.8	5039.9	29128.	10294.
Stddev	.7	1.2	180.	48.
%RSD	.01847	.02433	.61750	.46270

#1	3592.4	5040.8	29255.	10327.
#2	3593.3	5039.0	29001.	10260.

Preliminary

Sample Name: IC2 Acquired: 11/13/2012 13:42:30 Type: Cal
 Method: ICAP2 2012 (v112) Mode: IR Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.02266	.06122	.00447	31.02	21.30	.03937	.39535	1.5210	.36635	.47299	.15184	.12673	.02080
Stddev	.00019	.00031	.00006	.69	1.02	.00004	.00218	.0006	.00064	.00151	.00006	.00034	.00003
%RSD	.82690	.49830	1.3025	2.214	4.793	.11385	.55267	.03953	.17430	.31859	.03815	.26567	.12069

#1	.02279	.06100	.00443	31.51	22.02	.03940	.39380	1.5206	.36590	.47192	.15188	.12649	.02082
#2	.02253	.06144	.00451	30.53	20.57	.03934	.39689	1.5214	.36680	.47405	.15180	.12697	.02079

Elem	Cu3247	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.04251	.20132	.01659	.27870	7.8098	.13824	.09179	.13393	.06847	.78887	.04170	.04448	.02384
Stddev	.00004	.00020	.00016	.00061	.0167	.00147	.00010	.00032	.00024	.00278	.00031	.00008	.00008
%RSD	.08580	.09815	.97364	.21986	.21400	1.0638	.11033	.23659	.34884	.35257	.75097	.18298	.32578

#1	.04248	.20118	.01671	.27826	7.8216	.13720	.09172	.13371	.06864	.78690	.04192	.04454	.02390
#2	.04253	.20146	.01648	.27913	7.7980	.13928	.09186	.13416	.06830	.79084	.04148	.04443	.02379

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.10098	.01118	.00548	.08590	.02327	.56963	.02406	.01202	.02955	.00739
Stddev	.00031	.00014	.00003	.00011	.00029	.00060	.00018	.00008	.00016	.00004
%RSD	.31012	1.2693	.46071	.12958	1.2629	.10512	.74317	.66133	.55321	.59562

#1	.10120	.01108	.00546	.08598	.02347	.56921	.02393	.01207	.02943	.00736
#2	.10076	.01128	.00550	.08582	.02306	.57005	.02419	.01196	.02967	.00742

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3548.7	5044.9	29317.	10442.
Stddev	4.3	.3	39.	23.
%RSD	.11990	.00498	.13434	.21603

#1	3551.7	5044.8	29345.	10426.
#2	3545.7	5045.1	29290.	10458.

Preliminary

Sample Name: IC3 Acquired: 11/13/2012 13:44:42 Type: Cal
 Method: ICAP2 2012 (v112) Mode: IR Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.11433	.31091	.02310	165.8	105.6	.18643	1.9626	7.5716	1.8122	2.3380	.76445	.64994	.10358
Stddev	.00013	.00033	.00013	.6	.1	.00004	.0000	.0030	.0013	.0045	.00127	.00114	.00001
%RSD	.11321	.10773	.58099	.3347	.0806	.01925	.00130	.03939	.07066	.19178	.16656	.17494	.00567

#1	.11424	.31115	.02320	165.4	105.5	.18641	1.9627	7.5695	1.8113	2.3348	.76355	.65074	.10358
#2	.11442	.31068	.02301	166.2	105.6	.18646	1.9626	7.5737	1.8131	2.3412	.76535	.64913	.10359

Elem	Cu3247	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.19685	.98887	.08313	1.4148	46.016	.70892	.46720	.66897	.34036	3.9513	.21923	.22501	.11965
Stddev	.00018	.00083	.00026	.0008	.280	.00157	.00077	.00110	.00023	.0015	.00052	.00039	.00116
%RSD	.09269	.08418	.30996	.05565	.60824	.22125	.16475	.16468	.06746	.03688	.23755	.17506	.97191

#1	.19698	.98828	.08295	1.4154	46.214	.70781	.46774	.66975	.34053	3.9523	.21886	.22528	.12047
#2	.19672	.98946	.08332	1.4143	45.819	.71003	.46666	.66819	.34020	3.9502	.21960	.22473	.11883

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	.51555	.05500	.02807	.42154	.11864	2.8238	.12313	.06226	.14807	.03748
Stddev	.00069	.00009	.00002	.00197	.00003	.0005	.00037	.00031	.00052	.00006
%RSD	.13375	.16446	.08510	.46735	.02182	.01921	.29660	.49955	.35066	.17228

#1	.51507	.05494	.02809	.42015	.11862	2.8242	.12339	.06204	.14844	.03753
#2	.51604	.05506	.02805	.42293	.11865	2.8235	.12288	.06248	.14771	.03744

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3339.9	4952.1	28256.	10265.
Stddev	9.0	1.4	126.	37.
%RSD	.26903	.02874	.44752	.36009

#1	3333.5	4951.1	28166.	10291.
#2	3346.2	4953.1	28345.	10239.

Preliminary

Sample Name: IC4 Acquired: 11/13/2012 13:46:54 Type: Cal
 Method: ICAP2 2012 (v112) Mode: IR Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	22830	61309	04662	330.1	209.0	36782	3.8560	14.507	3.5341	4.5774	1.5221	1.3058	20365
Stddev	.00014	.00179	.00005	.9	.0	.00020	.0028	.074	.0009	.0108	.0001	.0010	.00097
%RSD	.06055	.29242	.11428	.2617	.0065	.05424	.07356	.51038	.02570	.23602	.00556	.07371	.47567

#1	.22840	.61182	.04666	329.5	209.0	.36796	3.8540	14.455	3.5334	4.5698	1.5220	1.3065	.20296
#2	.22821	.61436	.04658	330.7	209.0	.36768	3.8580	14.560	3.5347	4.5851	1.5221	1.3052	.20433

Elem	Cu3247	Fe2599	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	38409	1.9374	16306	2.8049	91.475	1.4103	91207	1.2963	67343	7.9432	43778	45199	23963
Stddev	.00144	.0010	.00006	.0077	1.179	.0018	.00412	.0068	.00154	.0051	.00049	.00084	.00088
%RSD	.37413	.05081	.03858	.27500	1.2891	.12478	.45190	.52437	.22814	.06396	.11268	.18647	.36917

#1	.38511	1.9367	.16301	2.7994	92.309	1.4091	.90915	1.2915	.67451	7.9396	.43813	.45259	.23901
#2	.38308	1.9381	.16310	2.8103	90.641	1.4116	.91498	1.3011	.67234	7.9468	.43743	.45139	.24026

Elem	S_1820	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Zn2062
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1.0337	10888	05662	82995	23732	5.6016	24208	12345	28877	07276
Stddev	.0012	.00028	.00003	.00056	.00107	.0004	.00096	.00005	.00167	.00056
%RSD	.11974	.25960	.04760	.06736	.45004	.00733	.39594	.03925	.57768	.76286

#1	1.0329	.10908	.05664	.82955	.23808	5.6019	.24140	.12348	.28759	.07237
#2	1.0346	.10868	.05660	.83034	.23657	5.6014	.24276	.12342	.28995	.07316

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3184.8	4850.7	27893.	10264.
Stddev	1.7	2.0	104.	56.
%RSD	.05207	.04110	.37186	.54665

#1	3183.6	4849.3	27966.	10304.
#2	3186.0	4852.2	27820.	10224.

Preliminary

Sample Name: ICV-1043084 Acquired: 11/13/2012 13:49:10 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.36569	18.340	.36531	.3796	.3732	.36755	.37244	.37225	18.778	.36758	.36249	.37176	.36208
Stddev	.00226	.078	.00319	.0011	.0002	.00057	.00219	.00054	.113	.00021	.00118	.00047	.00392
%RSD	.61789	.42722	.87242	.2934	.0460	.15383	.58758	.14601	.60024	.05830	.32417	.12586	1.0819

#1	.36728	18.395	.36756	.3789	.3731	.36715	.37399	.37263	18.857	.36743	.36333	.37143	.36485
#2	.36409	18.285	.36306	.3804	.3733	.36795	.37089	.37187	18.698	.36773	.36166	.37209	.35931

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.343	18.480	18.488	.36781	17.961	.37193	.36773	18.525	.36457	.36740	18.148	.37372	.36578
Stddev	.080	.039	.391	.00001	.006	.00029	.00001	.060	.00047	.00027	.007	.00439	.00184
%RSD	.43424	.21326	2.1124	.00293	.03402	.07801	.00341	.32553	.12910	.07431	.03687	1.1757	.50215

#1	18.399	18.507	18.764	.36780	17.965	.37214	.36774	18.568	.36490	.36721	18.153	.37061	.36448
#2	18.287	18.452	18.212	.36782	17.957	.37173	.36773	18.483	.36424	.36760	18.143	.37683	.36708

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	18.888	.36890	.37449	.36868	.37021	.36536	z *****	z *****	.37357
Stddev	.063	.00186	.00087	.00144	.00137	.00122	-----	-----	.00065
%RSD	.33258	.50285	.23343	.38957	.36965	.33504	-----	-----	.17312

#1	18.933	.37021	.37511	.36969	.36924	.36623	z 3805.	z 12500.	.37311
#2	18.844	.36759	.37387	.36766	.37117	.36450	z 3822.	z 12550.	.37403

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3440.0	5054.9	28915.	10456.
Stddev	4.4	1.4	119.	46.
%RSD	.12773	.02785	.41070	.44398

#1	3436.8	5053.9	28832.	10423.
#2	3443.1	5055.9	28999.	10488.

Sample Name: ICB-1025739 Acquired: 11/13/2012 13:51:22 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.01726	.00032	.0010	.0020	.00011	.00003	.00001	.00131	-0.00007	.00012	-0.00040	.00086
Stddev	.00033	.00712	.00005	.0002	.0021	.00024	.00001	.00002	.00085	.00006	.00015	.00026	.00010
%RSD	776.42	41.271	14.816	20.36	106.1	225.05	30.108	191.99	64.442	78.377	123.95	63.939	11.664

#1	.00027	.02229	.00029	.0011	.0035	-0.00006	.00003	.00003	.00191	-0.00011	.00023	-0.00022	.00093
#2	-0.00019	.01222	.00035	.0008	.0005	.00028	.00004	.00000	.00072	-0.00003	.00001	-0.00058	.00079

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00282	.01234	.00253	.00023	.00521	-0.00002	.00059	-0.00250	-0.00006	.00029	.00281	.00217	.00340
Stddev	.00524	.01143	.00044	.00016	.00328	.00004	.00023	.00640	.00007	.00289	.00566	.00048	.00027
%RSD	186.01	92.578	17.251	71.573	63.020	249.83	38.278	256.64	116.59	987.26	201.13	22.285	7.8154

#1	.00652	.00426	.00222	.00034	.00752	.00001	.00043	.00203	-0.00001	-0.00175	.00681	.00251	.00359
#2	-0.00089	.02042	.00284	.00011	.00289	-0.00005	.00075	-0.00702	.00011	.00234	-0.00119	.00182	.00321

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00215	-0.00029	.00000	-0.00007	.00117	.00049	z *****	z *****	-0.0062
Stddev	.01702	.00018	.0001	.00059	.00177	.00003	z *****	z *****	.00016
%RSD	791.35	63.858	1420.5	805.34	151.34	6.9317	-----	-----	25.738

#1	.01419	-0.00042	.00004	-0.00049	.00242	.00052	z 3740.	z 12260.	-0.00073
#2	-0.00989	-0.00016	-0.00005	.00034	-0.00008	.00047	z 3748.	z 12300.	-0.00051

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3579.4	5025.3	29256.	10278.
Stddev	5.4	.2	32.	7.
%RSD	.15101	.00446	.10847	.06713

#1	3575.6	5025.1	29278.	10274.
#2	3583.3	5025.4	29233.	10283.

Sample Name: CRI-1043085 Acquired: 11/13/2012 13:53:39 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00195	.22466	.01088	.0102	.0126	.02032	.00211	.00201	.50759	.00087	.00389	.00403
Stddev	.00022	.02476	.00053	.0014	.0003	.00003	.00002	.00002	.00184	.00006	.00009	.00005
%RSD	11.535	11.020	4.8757	13.79	2.706	.16951	.83611	1.0033	.36153	7.0504	2.3790	1.3606

#1	.00211	.24216	.01125	.0112	.0129	.02030	.00213	.00203	.50889	.00091	.00382	.00400
#2	.00179	.20715	.01050	.0092	.0124	.02035	.00210	.00200	.50629	.00083	.00395	.00407

Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.00300											
Range	-30.000%											

Elem	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01062	.05579	.49290	.39546	.02900	.20408	.00262	.01068	1.0143	.01030	.00452	.01506
Stddev	.00003	.00009	.00475	.00099	.00029	.00614	.00002	.00029	.0198	.00003	.00028	.00255
%RSD	.29243	.15994	.96371	.24923	1.0039	3.0068	.93111	2.6945	1.9537	.32960	6.2438	16.922

#1	.01060	.05573	.49626	.39476	.02879	.20842	.00260	.01048	1.0003	.01033	.00472	.01686
#2	.01064	.05586	.48954	.39615	.02920	.19974	.00263	.01089	1.0283	.01028	.00432	.01325

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
Value												
Range												

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01907	.01379	.53658	W .00599	.00497	.00527	.01829	.00530	z *****	z *****	.01116
Stddev	.00014	.00085	.01607	.00056	.00002	.00054	.00011	.00022	----	----	.00059
%RSD	.71775	6.1590	2.9953	9.2698	.40911	10.283	.62398	4.1022	----	----	5.3318

#1	.01898	.01319	.54794	.00560	.00495	.00489	.01837	.00545	z 3792.	z 12440.	.01074
#2	.01917	.01440	.52521	.00638	.00498	.00565	.01821	.00515	z 3797.	z 12490.	.01158

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value				.01000							
Range				-30.000%							

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3681.0	5176.6	29982.	10387.
Stddev	7.9	15.8	21.	24.
%RSD	.21355	.30599	.06890	.22649
#1	3686.6	5187.8	29967.	10371.
#2	3675.5	5165.4	29997.	10404.

Sample Name: ICSA-1032685 Acquired: 11/13/2012 13:55:57 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem Units	Ag3280 ppm	Al3082 ppm	As1890 ppm	As1937 ppm	As1972 ppm	B_2089 ppm	Ba4554-2 ppm	Be3130 ppm	Ca3179 ppm	Cd2288 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm
Avg	-0.0023	478.93	-0.00763	F 4.491	-0.0036	-0.00412	.00042	-0.00004	453.97	.00177	.00055	.00054	.00295
Stddev	.00008	1.52	.00445	.0028	.0035	.00005	.00000	.00006	5.88	.00002	.00014	.00011	.00061
%RSD	33.882	.31796	58.330	.6187	95.60	1.1346	.70448	138.35	1.2944	1.1476	26.424	20.729	20.663

#1	-0.0017	477.86	-0.01077	.4471	-0.0012	-0.00408	.00042	-0.00009	449.82	.00178	.00065	.00046	.00338
#2	-0.0028	480.01	-0.00448	.4511	-0.0061	-0.00415	.00042	.00000	458.13	.00176	.00045	.00062	.00252

Check ? High Limit	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Low Limit				.0200									
				-.0200									

Elem Units	Fe2714 ppm	K_7664 ppm	K_7664-2 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm
Avg	178.67	-14494	-0.00882	.00984	493.92	.00084	-0.00242	-0.01383	-0.00098	.00443	-0.06290	.00160	-0.00114
Stddev	.37	.02013	.00026	.00001	.57	.00006	.00004	.00216	.00001	.00003	.00448	.00116	.00029
%RSD	.20724	13.891	2.9995	.05517	.11596	7.2450	1.8333	15.634	1.2017	.65930	7.1279	72.668	25.123

#1	178.41	-13070	-0.00864	.00984	494.32	.00088	-0.00245	-0.01536	-0.00097	.00441	-0.05973	.00078	-0.00094
#2	178.93	-15917	-0.00901	.00984	493.51	.00079	-0.00239	-0.01231	-0.00099	.00445	-0.06607	.00242	-0.00135

Check ? High Limit	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Low Limit													

Elem Units	Si2881 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Y_3600-2 Cts/S	Y_3710 Cts/S	Zn2062 ppm
Avg	.00618	.00264	.00536	.00339	-0.00577	.00245	z *****	z *****	.00094
Stddev	.01321	.00056	.00008	.00027	.00108	.00011	z *****	z *****	.00037
%RSD	213.65	21.222	1.5848	8.0678	18.678	4.3523	z *****	z *****	38.974

#1	-0.00316	.00224	.00530	.00319	-0.00653	.00253	z 3659.	z 12050.	.00120
#2	.01553	.00303	.00542	.00358	-0.00501	.00238	z 3663.	z 12030.	.00068

Check ? High Limit	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Low Limit									

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3774 Cts/S
Avg	2703.9	4472.9	25399.	10065.
Stddev	16.6	21.8	27.	13.
%RSD	.61392	.48754	.10620	.13149

#1	2692.2	4457.5	25380.	10074.
#2	2715.7	4488.4	25418.	10055.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21805	492.07	.10176	F .5643	.1001	-.00103	.49344	.48043	455.31	.99310	.48610	.47780	.51736
Stddev	.00079	1.29	.00120	.0106	.0123	.00117	.00034	.00210	4.38	.02023	.00862	.00030	.00075
%RSD	.36398	.26205	1.1818	1.875	12.30	113.93	.06852	.43761	.96233	2.0368	1.7742	.06229	.14439

#1	.21861	491.16	.10091	.5718	.1088	-.00186	.49320	.47894	452.21	1.0074	.49220	.47801	.51683
#2	.21749	492.98	.10261	.5568	.0914	-.00020	.49367	.48192	458.41	.97880	.48001	.47759	.51789

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.1000									
Range				20.00%									

Elem	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	89.787	-.06440	.01050	.51985	508.61	.46200	-.00083	.04114	.96000	.05625	.00427	.59269	.04904
Stddev	.470	.00253	.00012	.00244	1.11	.00163	.00116	.00743	.01534	.00278	.06773	.01396	.00812
%RSD	.52319	3.9299	1.1247	.47021	.21774	.35300	139.57	18.056	1.5979	4.9475	1584.8	2.3546	16.567

#1	89.454	-.06619	.01042	.51813	509.39	.46315	-.00165	.03589	.97085	.05821	-.04362	.60255	.05479
#2	90.119	-.06261	.01059	.52158	507.83	.46085	-.00001	.04639	.94915	.05428	.05216	.58282	.04330

Check ?	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	1.0251	.00275	.48673	.00268	.08658	.47725	z *****	z *****	.96069
Stddev	.0076	.00191	.00122	.00062	.00256	.00056	----	----	.00293
%RSD	.74070	69.528	.25069	23.031	2.9605	.11663	----	----	.30488

#1	1.0197	.00140	.48587	.00224	.08840	.47764	z 3711.	z 12200.	.96276
#2	1.0305	.00411	.48760	.00311	.08477	.47685	z 3690.	z 12120.	.95862

Check ?	None	None	None	None	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2743.3	4524.5	25642.	10164.
Stddev	8.6	13.3	59.	73.
%RSD	.31367	.29474	.23068	.71509

#1	2749.4	4533.9	25600.	10215.
#2	2737.2	4515.0	25684.	10112.

Sample Name: CCV-1022412 Acquired: 11/13/2012 14:00:28 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49113	24.596	49375	5044	4994	49204	49995	49680	25.477	49499	48893	49900	48697
Stddev	.00279	.005	.00059	.0020	.0001	.00111	.00283	.00174	.030	.00058	.00042	.00092	.00110
%RSD	.56878	.02170	.11943	.3998	.0229	.22644	.56591	.34938	.11968	.11746	.08684	.18464	.22551

#1	.48916	24.592	.49417	.5029	.4993	.49125	.49794	.49557	25.456	.49540	.48923	.49835	.48620
#2	.49311	24.600	.49334	.5058	.4995	.49283	.50195	.49803	25.499	.49458	.48863	.49965	.48775

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.644	24.695	24.935	48624	24.245	50134	49297	24.770	49108	49512	24.548	50311	49600
Stddev	.043	.049	.234	.00021	.119	.00157	.00016	.004	.00125	.00387	.012	.00175	.00369
%RSD	.17459	.19903	.93648	.04370	.48981	.31392	.03328	.01464	.25459	.78138	.04885	.34796	.74447

#1	24.613	24.660	24.770	.48609	24.161	.50022	.49309	24.768	.49197	.49786	24.540	.50187	.49861
#2	24.674	24.729	25.100	.48639	24.329	.50245	.49286	24.773	.49020	.49239	24.557	.50435	.49339

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	25.121	50013	49677	49773	49322	49112	z *****	z *****	50825
Stddev	.040	.00032	.00001	.00289	.00198	.00168	-----	-----	.00101
%RSD	.15884	.06341	.00217	.58162	.40053	.34298	-----	-----	.19949

#1	25.149	.50036	.49677	.49568	.49462	.48993	z 3673.	z 12070.	.50753
#2	25.093	.49991	.49676	.49977	.49183	.49231	z 3666.	z 12000.	.50897

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3358.1	4974.9	28340.	10009.
Stddev	7.1	.8	87.	45.
%RSD	.21198	.01589	.30804	.44657

#1	3353.1	4975.5	28402.	10041.
#2	3363.2	4974.4	28279.	9977.8

Sample Name: CCB-1025739 Acquired: 11/13/2012 14:02:38 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	.00434	-0.00227	.0025	.0000	-0.00117	.00001	.00006	.00826	-0.00009	-0.00003	.00011	.00077
Stddev	.00004	.01064	.00296	.0024	.0005	.00003	.00000	.00005	.00318	.00013	.00028	.00064	.00030
%RSD	239.16	245.37	130.28	93.08	9342.	2.6704	32.386	93.348	38.553	141.43	998.15	601.18	38.954

#1	-0.0005	.01186	-0.0436	.0042	-0.0003	-0.00115	.00001	.00010	.01051	.00000	.00017	.00056	.00055
#2	.00001	-.00319	-.00018	.0009	.0003	-0.00119	.00002	.00002	.00601	-.00018	-.00023	-.00035	.00098

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00297	.01153	.00201	-0.00015	.00639	-0.00002	.00044	.00400	-0.00007	.00190	.00336	-0.00034	.00222
Stddev	.00384	.02567	.00051	.00063	.00047	.00011	.00002	.00284	.00004	.00179	.00035	.00110	.00241
%RSD	129.55	222.66	25.423	424.79	7.3343	501.07	4.6488	71.049	50.878	94.283	10.448	325.79	108.62

#1	.00568	.02968	.00238	-.00059	.00606	.00006	.00043	.00199	-.00005	.00063	.00361	-.00111	.00393
#2	.00025	-.00662	.00165	.00030	.00672	-.00010	.00046	.00601	.00010	.00316	.00311	.00044	.00052

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01059	-0.00039	.00009	-0.00024	-0.00114	.00013	z *****	z *****	-0.00037
Stddev	.02191	.00014	.00002	.00010	.00065	.00033	z *****	z *****	.00011
%RSD	206.88	36.730	23.102	43.377	56.687	256.96	-----	-----	28.999

#1	.02608	-.00029	.00011	-.00016	-.00159	-.00011	z 3743.	z 12310.	-.00045
#2	-.00490	-.00049	.00008	-.00031	-.00068	.00037	z 3753.	z 12350.	-.00030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3596.5	5017.7	29253.	10307.
Stddev	7.1	11.6	25.	43.
%RSD	.19639	.23184	.08543	.41365

#1	3591.5	5009.5	29236.	10277.
#2	3601.5	5025.9	29271.	10337.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0104	.08087	-0.00165	.0034	.0018	-0.0044	.0002	.00007	.05991
Stddev	.00016	.01752	.00171	.0001	.0036	.00009	.00003	.00013	.03291
%RSD	15.537	21.660	103.88	1.563	192.6	19.996	172.36	182.34	54.931

#1	-0.0093	.09326	-0.00286	.0034	-0.007	-0.0050	.00000	.00016	.08319
#2	-0.0116	.06849	-0.00044	.0033	.0044	-0.0038	.00003	-0.0002	.03664

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0016	-0.0002	-0.0007	.00086	.01456	.01260	.00121	-0.0013	.00435
Stddev	.00012	.00025	.00029	.00006	.01397	.00153	.00023	.00044	.00280
%RSD	72.939	1237.1	426.31	7.5112	95.958	12.113	19.153	343.34	64.472

#1	-0.0024	.00015	.00014	.00090	.02445	.01152	.00138	.00018	.00236
#2	-0.0008	-0.0019	-0.0027	.00081	.00468	.01368	.00105	-0.0044	.00633

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	.00003	-0.02933	-0.0008	.00008	-0.00215	.00019	.00240	-0.01009
Stddev	.00002	.00018	.00414	.00008	.00055	.00353	.00089	.00108	.00282
%RSD	30.768	576.55	14.121	100.73	678.94	164.16	479.51	45.052	27.977

#1	-0.0004	-0.0010	-.02640	-0.0002	.00047	.00035	-0.0044	.00163	-.01209
#2	-0.0007	.00016	-.03226	-0.0014	-0.0031	-0.00464	.00081	.00316	-0.00810

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0026	.00012	.00042	-0.0010	.00021	F *****	*****	.00206
Stddev	.00047	.00007	.00004	.00021	.00032	----	----	.00052
%RSD	181.06	62.191	10.596	217.21	151.05	----	----	25.353

#1	.00007	.00017	.00045	-0.00025	-0.0001	3846.	12640.	.00169
#2	-0.00059	.00007	.00039	.00005	.00043	3857.	12700.	.00243

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						12.00		
Low Limit						8.000		

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3650.4	5097.9	30155.	10579.
Stddev	4.9	5.4	11.	41.
%RSD	.13486	.10613	.03618	.39225

#1	3647.0	5101.7	30162.	10550.
#2	3653.9	5094.1	30147.	10609.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05032	10.046	.20460	.2120	.2142	.20459	.20620	.20451	10.125
Stddev	.00032	.011	.00023	.0023	.0011	.00032	.00089	.00044	.006
%RSD	.63331	.10546	.11220	1.083	.4986	.15624	.43011	.21558	.05771

#1	.05054	10.053	.20444	.2104	.2150	.20436	.20557	.20420	10.129
#2	.05009	10.038	.20476	.2137	.2135	.20482	.20682	.20482	10.121

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20214	.20092	.20376	.20155	10.114	9.9216	9.4796	.19896	9.9768
Stddev	.00014	.00022	.00131	.00168	.024	.0021	.0780	.00094	.0307
%RSD	.06996	.11009	.64514	.83156	.23643	.02105	.82244	.47481	.30733

#1	.20204	.20076	.20283	.20036	10.097	9.9201	9.5347	.19829	9.9551
#2	.20224	.20107	.20469	.20273	10.130	9.9231	9.4245	.19963	9.9985

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19960	.20422	9.9988	.19789	.19982	.00129	.20716	.19667	10.307
Stddev	.00060	.00094	.0514	.00017	.00165	.00051	.00296	.00149	.025
%RSD	.30205	.46149	.51392	.08570	.82676	39.245	1.4275	.75590	.24258

#1	.19917	.20356	9.9624	.19801	.20099	.00165	.20507	.19772	10.289
#2	.20002	.20489	10.035	.19777	.19865	.00093	.20925	.19562	10.324

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.19618	.20406	.19374	.19278	.19705	*****	*****	.21126
Stddev	.00112	.00056	.00074	.00087	.00111	----	----	.00045
%RSD	.57096	.27459	.38105	.45226	.56457	----	----	.21128

#1	.19697	.20366	.19322	.19216	.19626	3848.	12670.	.21095
#2	.19538	.20445	.19426	.19339	.19784	3880.	12770.	.21158

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3514.8	5033.5	29489.	10591.
Stddev	3.1	6.0	156.	26.
%RSD	.08703	.11895	.52833	.24487

#1	3517.0	5037.7	29599.	10573.
#2	3512.7	5029.2	29378.	10610.

Sample Name: 480-28173-I-1-A Acquired: 11/13/2012 14:09:27 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.02042	-0.00041	.0029	.0005	1.0203	.01837	-0.0005	114.65
Stddev	.00004	.00376	.00327	.0017	.0001	.0015	.00002	.00002	.21
%RSD	87.061	18.390	795.95	57.86	31.24	.14497	.11709	33.499	.18573

#1	-.00002	.01776	.00190	.0017	.0006	1.0192	.01836	-.00004	114.50
#2	-.00007	.02307	-.00272	.0041	.0004	1.0213	.01839	-.00006	114.80

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	.00003	.00011	.00552	.32659	9.7574	12.804	.01185	19.321
Stddev	.00003	.00007	.00046	.00027	.00013	.0101	.057	.00018	.010
%RSD	18.159	227.92	421.29	4.9705	.03997	.10307	.44433	1.5207	.05207

#1	.00016	-.00002	.00044	.00571	.32650	9.7645	12.764	.01197	19.314
#2	.00020	.00008	-.00022	.00532	.32668	9.7503	12.844	.01172	19.328

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06600	.00848	94.589	.00231	-0.00085	67.625	.00082	.00324	2.7582
Stddev	.00041	.00000	.102	.00034	.00030	.024	.00039	.00302	.0298
%RSD	.61530	.03584	.10800	14.496	34.969	.03568	46.769	93.144	1.0816

#1	.06629	.00848	94.517	.00255	-.00064	67.642	.00055	.00111	2.7371
#2	.06572	.00849	94.661	.00208	-.00107	67.608	.00110	.00537	2.7793

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00023	1.6672	.00200	-.00110	.00043	*****	*****	.01720
Stddev	.00003	.0010	.00047	.00133	.00052	----	----	.00050
%RSD	14.574	.05896	23.347	120.71	120.85	----	----	2.8789

#1	.00020	1.6679	.00167	-.00016	.00080	3759.	12360.	.01755
#2	.00025	1.6665	.00233	-.00204	.00006	3744.	12320.	.01685

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3242.1	4778.3	27595.	10297.
Stddev	3.4	3.3	6.	32.
%RSD	.10542	.06831	.02172	.31064

#1	3239.7	4776.0	27591.	10320.
#2	3244.5	4780.6	27599.	10274.

Sample Name: CCV Acquired: 11/13/2012 14:11:47 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49055	24.237	49401	5081	4998	49680	49470	48986	24.816	49509	48439	49430	48532
Stddev	.00121	.100	.00423	.0006	.0019	.00129	.00006	.00003	.026	.00046	.00055	.00066	.00142
%RSD	.24583	.41430	.85574	.1172	.3820	.25962	.01251	.00652	.10468	.09312	.11372	.13291	.29167

#1	.49140	24.308	.49102	.5086	.5011	.49771	.49474	.48988	24.798	.49542	.48478	.49476	.48432
#2	.48970	24.166	.49700	.5077	.4984	.49589	.49465	.48984	24.834	.49476	.48400	.49383	.48632

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.336	24.407	25.213	48466	23.767	49373	49343	24.757	48898	49088	24.652	50629	49489
Stddev	.127	.085	.086	.00119	.064	.00043	.00101	.012	.00047	.00278	.022	.00232	.00178
%RSD	.52127	.34790	.34179	.24465	.26782	.08680	.20542	.04708	.09547	.56684	.08842	.45830	.36001

#1	24.246	24.467	25.152	.48550	23.722	.49343	.49414	24.749	.48931	.49284	24.668	.50464	.49363
#2	24.425	24.347	25.274	.48382	23.812	.49404	.49271	24.765	.48865	.48891	24.637	.50793	.49615

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	24.813	49479	49742	48954	49181	48311	z *****	z *****	49531
Stddev	.019	.00002	.00039	.00167	.00001	.00013	-----	-----	.00024
%RSD	.07594	.00368	.07740	.34105	.00231	.02772	-----	-----	.04850

#1	24.800	.49480	.49715	.48836	.49180	.48302	z 3817.	z 12560.	.49548
#2	24.826	.49478	.49769	.49072	.49182	.48321	z 3814.	z 12510.	.49514

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3379.0	4977.3	28798.	10412.
Stddev	10.7	6.7	79.	57.
%RSD	.31768	.13559	.27264	.55136

#1	3371.4	4972.5	28853.	10453.
#2	3386.6	4982.1	28742.	10372.

Sample Name: CCB Acquired: 11/13/2012 14:13:57 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	.00563	-0.00099	.0023	.0026	-0.00122	.00002	-0.00009	.00997	-0.00013	-0.00010	-0.00001	.00070
Stddev	.00036	.00159	.00007	.0004	.0004	.00000	.00004	.00005	.00299	.00009	.00008	.00070	.00015
%RSD	496.41	28.257	7.3378	19.18	15.44	.30792	189.42	60.646	30.008	70.713	86.333	4757.3	21.232

#1	.00018	.00676	-0.00094	.0020	.0023	-0.00121	.00005	-0.00005	.00786	-0.00007	-0.00016	-0.00051	.00060
#2	-0.00033	.00451	-0.00104	.0026	.0029	-0.00122	-0.00001	-0.00012	.01209	-0.00020	-0.00004	.00048	.00081

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00369	.00409	.00185	-0.00053	.00035	-0.00001	.00040	.00065	.00002	-0.00048	-0.00189	.00212	-0.00143
Stddev	.00399	.00232	.00003	.00052	.00409	.00002	.00011	.00881	.00009	.00117	.00116	.00167	.00025
%RSD	108.16	56.633	1.8453	98.327	1153.4	356.40	26.242	1356.3	450.97	245.12	61.606	78.938	17.738

#1	.00652	.00245	.00183	-0.00016	-0.00254	-0.00002	.00033	.00688	-0.00004	.00035	-0.00107	.00094	-0.00161
#2	.00087	.00573	.00188	-0.00090	.00324	.00001	.00048	-0.00558	.00009	-0.00131	-0.00271	.00331	-0.00125

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00898	.00004	.00015	-0.00018	-0.00060	.00029	z *****	z *****	.00202
Stddev	.02406	.00009	.00010	.00004	.00012	.00007	-----	-----	.00009
%RSD	267.83	255.92	63.954	19.348	19.580	23.752	-----	-----	4.2283

#1	-0.00803	.00010	.00022	-0.00021	-0.00069	.00024	z 3779.	z 12380.	.00208
#2	.02600	-0.00003	.00008	-0.00016	-0.00052	.00034	z 3749.	z 12330.	.00196

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3591.7	5009.2	29042.	10274.
Stddev	8.7	7.4	258.	70.
%RSD	.24249	.14796	.88883	.68114

#1	3585.6	5004.0	29224.	10323.
#2	3597.9	5014.5	28859.	10224.

Sample Name: 480-28176-I-1-A Acquired: 11/13/2012 14:16:14 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.07718	-.00092	.0033	.0028	.44582	.02378	.00046	60.724
Stddev	.00055	.01134	.00226	.0006	.0005	.00314	.00003	.00062	.268
%RSD	1513.8	14.688	245.28	17.29	17.13	.70399	.13109	133.79	.44072

#1	.00042	.08519	.00068	.0029	.0025	.44804	.02380	.00090	60.535
#2	-.00035	.06916	-.00251	.0038	.0031	.44360	.02376	.00002	60.913

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.00003	-.00049	.00453	.20354	8.2958	11.734	.05871	21.614
Stddev	.00001	.00003	.00022	.00003	.02983	.0071	.201	.00052	.070
%RSD	4.4479	86.624	45.694	.59978	14.655	.08524	1.7151	.88829	.32242

#1	.00012	.00001	-.00065	.00454	.22463	8.2908	11.876	.05908	21.565
#2	.00013	.00005	-.00033	.00451	.18245	8.3008	11.592	.05834	21.663

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08654	.02617	159.72	.00192	.00141	87.482	.00146	.00347	2.4839
Stddev	.00024	.00012	.36	.00021	.00038	.323	.00053	.00449	.0196
%RSD	.27444	.46852	.22351	11.065	26.900	.36873	35.979	129.31	.78877

#1	.08637	.02608	159.47	.00207	.00168	87.710	.00183	.00665	2.4978
#2	.08671	.02626	159.97	.00177	.00114	87.254	.00109	.00030	2.4701

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00058	.58843	.00070	.00108	.00079	*****	*****	.01843
Stddev	.00025	.00171	.00004	.00028	.00009	----	----	.00060
%RSD	43.252	.28991	5.1901	25.691	10.776	----	----	3.2828

#1	-.00040	.58722	.00067	.00128	.00085	3819.	12540.	.01886
#2	-.00075	.58963	.00072	.00089	.00073	3784.	12470.	.01800

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3226.0	4809.9	27883.	10414.
Stddev	3.9	5.2	27.	45.
%RSD	.12066	.10835	.09790	.42854

#1	3228.7	4806.2	27864.	10445.
#2	3223.2	4813.5	27902.	10382.

Sample Name: 480-28177-H-1-A Acquired: 11/13/2012 14:18:38 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0044	.22941	.00169	.0046	.0041	.12632	.04614	-0.0007	82.227
Stddev	.00006	.01899	.00248	.0017	.0026	.00005	.00002	.00005	.288
%RSD	14.036	8.2767	146.11	36.91	65.10	.03980	.04794	75.772	.35049

#1	-.00049	.24284	-.00006	.0058	.0059	.12628	.04613	-.00003	82.023
#2	-.00040	.21599	.00345	.0034	.0022	.12635	.04616	-.00011	82.431

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00021	.00004	.00069	.00487	.41277	5.1556	7.1836	.01432	20.912
Stddev	.00007	.00028	.00005	.00024	.00538	.0341	.0608	.00002	.002
%RSD	32.590	678.54	6.5296	4.9483	1.3044	.66137	.84605	.12452	.01129

#1	.00016	-.00016	.00072	.00470	.40896	5.1315	7.2266	.01431	20.914
#2	.00026	.00024	.00066	.00505	.41657	5.1797	7.1406	.01433	20.911

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06046	.00366	137.24	.00155	.00246	42.562	.00071	.00020	4.4605
Stddev	.00025	.00012	1.40	.00035	.00055	.008	.00154	.00181	.0646
%RSD	.41184	3.2141	1.0215	22.336	22.299	.01875	217.81	911.91	1.4486

#1	.06064	.00374	136.25	.00180	.00284	42.556	-.00038	.00148	4.4148
#2	.06029	.00358	138.23	.00131	.00207	42.567	.00180	-.00108	4.5062

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00038	.57274	.00546	-.00064	.00220	****	****	.02276
Stddev	.00000	.00417	.00034	.00136	.00012	----	----	.00026
%RSD	.94312	.72723	6.2664	211.59	5.5700	----	----	1.1637

#1	.00038	.56980	.00522	.00032	.00229	3791.	12430.	.02257
#2	.00038	.57569	.00570	-.00160	.00212	3771.	12440.	.02294

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3238.2	4797.5	27877.	10348.
Stddev	2.9	.2	40.	20.
%RSD	.08953	.00372	.14497	.19183

#1	3236.2	4797.7	27849.	10362.
#2	3240.3	4797.4	27906.	10334.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0026	.05570	.00011	.0027	.0013	.02323	.00943	-0.0013	16.733
Stddev	.00047	.00216	.00070	.0005	.0006	.00005	.00002	.00007	.116
%RSD	179.21	3.8717	660.32	18.63	48.92	.21533	.22580	51.652	.69052
#1	-.00060	.05418	-.00039	.0031	.0018	.02326	.00944	-.00018	16.652
#2	.00007	.05723	.00060	.0023	.0009	.02319	.00941	-.00009	16.815

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00001	-0.00021	.00170	.08687	1.0370	.99711	.00273	4.2394
Stddev	.00008	.00013	.00023	.00030	.00244	.0526	.00040	.00040	.0039
%RSD	85.732	1766.2	110.38	17.433	2.8078	5.0718	.04004	14.791	.09305
#1	.00014	-.00008	-.00037	.00191	.08515	1.0742	.99739	.00302	4.2367
#2	.00004	.00010	-.00005	.00149	.08860	.99984	.99682	.00245	4.2422

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01196	.00071	27.296	.00041	.00049	8.1650	.00028	-0.00046	.88975
Stddev	.00009	.00006	.114	.00008	.00171	.0358	.00076	.00157	.00773
%RSD	.72029	8.5147	.41607	20.322	346.28	.43876	273.74	343.58	.86901
#1	.01202	.00075	27.216	.00035	.00170	8.1904	-.00026	-.00157	.88428
#2	.01190	.00067	27.376	.00046	-.00071	8.1397	.00082	.00066	.89522

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00039	.11536	.00111	-0.00027	.00068	*****	*****	.00480
Stddev	.00007	.00019	.00027	.00071	.00024	----	----	.00012
%RSD	16.789	.16775	24.333	262.03	35.693	----	----	2.5661
#1	-.00034	.11522	.00092	.00023	.00085	3802.	12440.	.00488
#2	-.00044	.11550	.00130	-.00078	.00051	3769.	12350.	.00471

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3496.0	4993.2	28995.	10292.
Stddev	7.2	13.0	48.	83.
%RSD	.20608	.25952	.16712	.80405
#1	3490.9	4984.0	28961.	10350.
#2	3501.1	5002.4	29030.	10233.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05141	10.476	.21779	.2187	.2164	.33732	.24816	.21053	90.029
Stddev	.00083	.019	.00141	.0002	.0015	.00054	.00022	.00022	.182
%RSD	1.6218	.18120	.64772	.0950	.6946	.15960	.08738	.10648	.20230

#1	.05082	10.463	.21878	.2185	.2174	.33770	.24801	.21068	90.158
#2	.05200	10.490	.21679	.2188	.2153	.33694	.24831	.21037	89.900

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21060	.21090	.20402	.20966	10.667	15.439	20.555	.22108	30.625
Stddev	.00007	.00004	.00186	.00082	.020	.016	.229	.00034	.016
%RSD	.03107	.02055	.90976	.39153	.18761	.10485	1.1149	.15428	.05167

#1	.21064	.21093	.20533	.20908	10.653	15.451	20.393	.22132	30.636
#2	.21055	.21086	.20271	.21024	10.681	15.428	20.717	.22084	30.614

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.26763	.21367	144.42	.20942	.20956	41.356	.21536	.21051	15.454
Stddev	.00022	.00028	.12	.00047	.00196	.054	.00195	.00098	.030
%RSD	.08277	.13301	.08617	.22478	.93375	.12943	.90684	.46612	.19163

#1	.26779	.21346	144.33	.20909	.21094	41.394	.21398	.20981	15.433
#2	.26748	.21387	144.50	.20975	.20818	41.319	.21674	.21120	15.474

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.20220	.76823	.21368	.20031	.20434	*****	*****	.24128
Stddev	.00103	.00033	.00285	.00060	.00048	----	----	.00136
%RSD	.51083	.04279	1.3349	.29925	.23519	----	----	.56439

#1	.20293	.76846	.21569	.20073	.20468	3771.	12430.	.24224
#2	.20147	.76800	.21166	.19988	.20400	3789.	12480.	.24031

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3192.4	4807.4	27759.	10360.
Stddev	1.8	3.1	1.	18.
%RSD	.05626	.06376	.00474	.17513

#1	3191.1	4805.2	27758.	10347.
#2	3193.7	4809.5	27760.	10373.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05029	10.283	.21091	.2111	.2098	.33340	.24362	.20389	90.113
Stddev	.00032	.095	.00088	.0016	.0006	.00150	.00004	.00067	.347
%RSD	.63868	.92718	.41508	.7558	.2920	.45002	.01733	.33104	.38487

#1	.05052	10.215	.21153	.2122	.2094	.33234	.24365	.20341	89.868
#2	.05006	10.350	.21029	.2100	.2103	.33446	.24359	.20437	90.358

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20510	.20243	.20186	.20465	10.333	15.154	20.542	.21530	30.275
Stddev	.00092	.00005	.00089	.00069	.034	.014	.017	.00059	.031
%RSD	.44818	.02510	.43857	.33825	.33357	.08952	.08116	.27230	.10377

#1	.20575	.20247	.20123	.20513	10.309	15.144	20.531	.21571	30.297
#2	.20445	.20240	.20248	.20416	10.358	15.163	20.554	.21488	30.252

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25413	.20588	145.77	.19989	.20229	42.240	.21206	.20674	14.795
Stddev	.00023	.00048	.58	.00025	.00243	.006	.00051	.00228	.089
%RSD	.08987	.23431	.39893	.12663	1.2022	.01430	.24043	1.1014	.59844

#1	.25397	.20622	145.36	.19971	.20057	42.235	.21170	.20513	14.732
#2	.25429	.20554	146.18	.20007	.20401	42.244	.21243	.20835	14.857

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.20065	.76659	.19763	.18889	.19570	****	****	.22964
Stddev	.00080	.00177	.00059	.00265	.00111	----	----	.00132
%RSD	.39672	.23031	.29988	1.4024	.56662	----	----	.57684

#1	.20009	.76534	.19721	.19076	.19648	3827.	12600.	.23057
#2	.20121	.76784	.19805	.18702	.19491	3787.	12460.	.22870

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3187.2	4776.6	27887.	10439.
Stddev	2.6	5.2	32.	97.
%RSD	.08210	.10849	.11398	.92806

#1	3189.1	4772.9	27910.	10508.
#2	3185.4	4780.2	27865.	10371.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05130	10.103	.21034	.2094	.2026	.32807	.24121	.20089	88.925
Stddev	.00009	.335	.00199	.0024	.0049	.00007	.00019	.00679	3.441
%RSD	.17029	3.3160	.94696	1.164	2.439	.02034	.07737	3.3824	3.8692

#1	.05136	10.339	.20893	.2077	.1991	.32802	.24134	.20569	91.358
#2	.05124	9.8657	.21174	.2111	.2061	.32812	.24108	.19608	86.492

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20433	.20470	.20386	.20185	10.227	14.902	20.139	.21102	30.438
Stddev	.00004	.00052	.00073	.00023	.405	.414	.170	.00463	.089
%RSD	.01886	.25333	.36037	.11396	3.9641	2.7793	.84351	2.1928	.29203

#1	.20436	.20434	.20334	.20202	10.514	15.195	20.019	.21429	30.375
#2	.20430	.20507	.20438	.20169	9.9406	14.609	20.259	.20775	30.501

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25603	.20502	143.22	.20189	.20341	41.578	.20730	.20569	14.579
Stddev	.00087	.00008	3.66	.00060	.00081	.023	.00090	.00409	.571
%RSD	.34119	.03913	2.5581	.29773	.39609	.05647	.43494	1.9863	3.9160

#1	.25541	.20496	145.81	.20232	.20284	41.561	.20794	.20280	14.983
#2	.25665	.20507	140.63	.20147	.20398	41.594	.20666	.20858	14.175

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.20216	.75339	.19798	.19257	.19706	*****	*****	.23484
Stddev	.00115	.01887	.00125	.00113	.00110	----	----	.00385
%RSD	.56729	2.5042	.63160	.58640	.56002	----	----	1.6377

#1	.20135	.76673	.19710	.19177	.19628	3747.	12240.	.23212
#2	.20297	.74005	.19887	.19337	.19784	3806.	12560.	.23756

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3151.3	4763.8	27484.	10301.
Stddev	1.4	.6	64.	211.
%RSD	.04479	.01327	.23367	2.0462

#1	3150.3	4763.3	27529.	10152.
#2	3152.3	4764.2	27438.	10450.

Sample Name: 480-28205-E-1-A Acquired: 11/13/2012 14:30:13 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0091	8.3326	.00015	.0124	-0.0022	.02005	.01565	.02366	72.391
Stddev	.00152	.0062	.00263	.0001	.0005	.00096	.00000	.00008	.122
%RSD	167.89	.07410	1718.0	.8996	21.94	4.7922	.02352	.34076	.16788

#1	-.00198	8.3369	-.00170	.0125	-.0025	.01937	.01565	.02372	72.477
#2	.00017	8.3282	.00201	.0123	-.0018	.02073	.01565	.02360	72.305

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00901	.16383	.00148	.01358	44.689	4.2568	4.5747	.02417	21.870
Stddev	.00001	.00017	.00033	.00031	.127	.0171	.0168	.00038	.001
%RSD	.16375	.10252	22.323	2.2516	.28510	.40094	.36643	1.5911	.00298

#1	.00902	.16395	.00124	.01337	44.779	4.2688	4.5866	.02444	21.871
#2	.00900	.16371	.00171	.01380	44.598	4.2447	4.5629	.02389	21.870

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3924	-0.0049	5.2810	.16826	.00092	138.28	-0.0143	.00173	14.178
Stddev	.0034	.00006	.0310	.00071	.00100	.24	.00133	.00072	.026
%RSD	.24376	12.165	.58648	.41945	108.93	.17519	92.432	41.650	.18463

#1	1.3900	-.00053	5.3029	.16777	.00021	138.10	-.00237	.00224	14.197
#2	1.3948	-.00045	5.2591	.16876	.00163	138.45	-.00050	.00122	14.160

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00021	.19713	-.00019	-.00212	.00042	*****	*****	.44286
Stddev	.00005	.00081	.00085	.00136	.00072	----	----	.00224
%RSD	24.247	.40932	441.11	64.420	171.71	----	----	.50523

#1	.00025	.19770	-.00079	-.00308	.00092	4030.	13220.	.44128
#2	.00018	.19656	.00041	-.00115	-.00009	4020.	13230.	.44444

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3358.2	5210.4	30508.	11050.
Stddev	2.8	4.2	53.	36.
%RSD	.08366	.08021	.17320	.32650

#1	3356.2	5213.3	30546.	11024.
#2	3360.2	5207.4	30471.	11075.

Sample Name: 480-28205-E-2-A Acquired: 11/13/2012 14:32:24 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0022	3.4743	.00981	.0139	.0079	.07255	.12602	.00189	91.045
Stddev	.00061	.0150	.00180	.0028	.0041	.00059	.00055	.00005	.003
%RSD	276.18	.43232	18.311	19.82	52.00	.81845	.43851	2.6185	.00369

#1	.00021	3.4637	.00854	.0119	.0108	.07297	.12563	.00186	91.048
#2	-.00065	3.4849	.01108	.0158	.0050	.07213	.12641	.00193	91.043

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00076	.01312	.03727	.00533	34.980	7.5838	8.2294	.02231	23.723
Stddev	.00005	.00012	.00025	.00045	.066	.0096	.1053	.00097	.053
%RSD	7.1478	.87878	.67483	8.4313	.18731	.12646	1.2798	4.3281	.22553

#1	.00080	.01304	.03709	.00565	34.934	7.5906	8.3038	.02299	23.685
#2	.00073	.01320	.03744	.00501	35.027	7.5770	8.1549	.02162	23.761

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.2489	.00029	6.1746	.01124	.00274	116.72	-.00153	.00022	30.036
Stddev	.0042	.00006	.0093	.00005	.00248	.03	.00062	.00060	.024
%RSD	.18607	20.984	.15090	.41274	90.834	.02150	40.484	275.33	.07967

#1	2.2460	.00024	6.1680	.01121	.00449	116.74	-.00109	-.00021	30.053
#2	2.2519	.00033	6.1812	.01128	.00098	116.70	-.00196	.00064	30.019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00000	.44388	.07740	-.00037	.02351	*****	*****	.04148
Stddev	.0002	.00152	.00183	.00018	.00045	----	----	.00024
%RSD	89566.	.34298	2.3622	48.700	1.9198	----	----	.56771

#1	-.00011	.44280	.07869	-.00024	.02319	3820.	12520.	.04164
#2	.00011	.44496	.07610	-.00049	.02383	3837.	12610.	.04131

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3359.2	4845.0	28636.	10486.
Stddev	3.2	10.0	42.	19.
%RSD	.09471	.20657	.14723	.18041

#1	3361.5	4852.1	28606.	10473.
#2	3357.0	4837.9	28666.	10500.

Sample Name: 480-28205-E-3-A Acquired: 11/13/2012 14:34:41 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0020	.00972	-0.00049	.0022	.0009	-0.0143	.00008	-0.0012	.05770
Stddev	.00036	.00093	.00344	.0006	.0029	.00025	.00003	.00006	.00268
%RSD	174.02	9.5204	699.67	28.43	310.1	17.193	37.389	50.237	4.6359

#1	.00005	.00906	-.00292	.0026	-.0011	-.00161	.00010	-.00016	.05581
#2	-.00046	.01037	.00194	.0017	.0030	-.00126	.00006	-.00008	.05960

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0012	-0.0006	-0.0011	.00099	.00683	.01446	.00471	-0.0029	.00337
Stddev	.00007	.00021	.00034	.00031	.00200	.00657	.00019	.00075	.00300
%RSD	57.270	375.16	299.68	31.644	29.288	45.423	4.1113	254.62	89.134

#1	-.00007	-.00020	.00013	.00077	.00542	.00982	.00484	-.00083	.00549
#2	-.00017	.00009	-.00035	.00121	.00825	.01911	.00457	.00024	.00124

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	-0.0003	-0.00873	-0.00030	-0.00080	.01386	-0.0029	.00046	-0.00506
Stddev	.00003	.00015	.00600	.00011	.00080	.00183	.00019	.00263	.00380
%RSD	7.5427	495.57	68.681	37.841	99.366	13.208	64.525	573.60	75.024

#1	.00032	-.00013	-.00449	-.00038	-.00137	.01516	-.00016	.00232	-.00774
#2	.00036	.00007	-.01297	-.00022	-.00024	.01257	-.00042	-.00140	-.00238

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0016	-0.0001	-0.0011	-0.0037	.00009	*****	*****	.00197
Stddev	.00035	.00002	.00011	.00050	.00019	----	----	.00029
%RSD	217.42	225.29	93.294	135.13	224.47	----	----	14.752

#1	.00009	.00001	-.00004	-.00073	.00022	3859.	12600.	.00217
#2	-.00041	-.00003	-.00019	-.00002	-.00005	3831.	12570.	.00176

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3623.2	5042.3	29912.	10462.
Stddev	8.5	2.1	47.	66.
%RSD	.23563	.04225	.15841	.62984

#1	3629.2	5043.8	29945.	10509.
#2	3617.2	5040.8	29878.	10416.

Sample Name: 480-28205-E-4-A Acquired: 11/13/2012 14:36:58 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0067	.01658	-0.0054	.0026	.0014	-0.0134	.0005	-0.0009	.01832
Stddev	.00047	.00891	.00160	.0006	.0018	.00017	.00000	.00004	.00652
%RSD	70.873	53.724	293.57	22.59	127.5	12.346	2.0551	37.821	35.606

#1	-0.0033	.01028	.00058	.0022	.0001	-0.0145	.00005	-0.0007	.02293
#2	-0.0100	.02288	-0.0167	.0030	.0027	-0.0122	.00005	-0.0012	.01370

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-0.0010	-0.0027	.00170	.00039	-0.0106	.00172	.00000	.00283
Stddev	.00006	.00023	.00022	.00022	.00138	.00069	.00035	.0005	.00414
%RSD	589.47	233.27	80.337	12.937	356.83	65.582	20.351	116390.	146.44

#1	-0.0003	.00006	-0.0042	.00154	-0.0059	-0.0057	.00196	.00034	.00576
#2	.00005	-0.0026	-0.0012	.00185	.00136	-0.0155	.00147	-0.0035	-0.0010

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.00019	-0.1007	-0.0020	.00035	.00473	-0.0072	-0.0146	-0.0388
Stddev	.00005	.00000	.00061	.00007	.00004	.00534	.00075	.00157	.00026
%RSD	89.261	1.1027	6.0778	36.586	12.297	112.86	103.52	107.57	6.7341

#1	.00008	.00019	-0.1050	-0.0025	.00032	.00850	-0.0019	-0.0257	-0.0407
#2	.00002	.00019	-0.0963	-0.0015	.00038	.00096	-0.0125	-0.0035	-0.0370

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0009	-0.0001	-0.0026	-0.0072	.00025	*****	*****	.00112
Stddev	.00011	.00002	.00038	.00050	.00038	----	----	.00011
%RSD	128.75	150.89	146.43	68.573	152.19	----	----	10.071

#1	-0.0017	.00000	.00001	-0.0108	.00053	3896.	12790.	.00104
#2	-0.0001	-0.0003	-0.0053	-0.0037	-0.0002	3908.	12830.	.00120

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3633.3	5037.7	30052.	10665.
Stddev	4.4	3.5	44.	35.
%RSD	.12201	.06945	.14677	.33250

#1	3636.4	5040.2	30021.	10640.
#2	3630.1	5035.2	30083.	10690.

Sample Name: CCV Acquired: 11/13/2012 14:39:17 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49344	24.023	49299	5067	5015	49849	48897	48569	24.339	49605	48189	49134	48299
Stddev	.00008	.151	.00538	.0075	.0065	.00511	.00116	.00020	.029	.00302	.00249	.00171	.00065
%RSD	.01589	.62683	1.0913	1.488	1.298	1.0252	.23780	.04171	.12038	.60917	.51712	.34783	.13457

#1	.49349	23.917	.49679	.5120	.5061	.50211	.48815	.48555	24.318	.49818	.48365	.49254	.48253
#2	.49338	24.130	.48919	.5014	.4969	.49488	.48980	.48583	24.360	.49391	.48012	.49013	.48345

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.315	24.213	25.087	48691	23.072	48331	49532	24.957	48614	48637	24.858	51057	49891
Stddev	.042	.013	.215	.00038	.051	.00273	.00419	.049	.00302	.00455	.156	.00593	.00095
%RSD	.17475	.05178	.85694	.07868	.21990	.56478	.84640	.19655	.62204	.93575	.62657	1.1609	.19100

#1	24.285	24.204	25.239	.48664	23.037	.48138	.49829	24.922	.48828	.48959	24.968	.51476	.49959
#2	24.345	24.222	24.935	.48718	23.108	.48524	.49236	24.991	.48400	.48316	24.747	.50638	.49824

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	24.694	49270	50326	48312	49007	47508	z *****	z *****	48224
Stddev	.033	.00303	.00178	.00081	.00585	.00074	-----	-----	.00263
%RSD	.13292	.61410	.35421	.16722	1.1944	.15610	-----	-----	.54540

#1	24.670	.49484	.50200	.48255	.49420	.47455	z 3901.	z 12840.	.48038
#2	24.717	.49056	.50452	.48370	.48593	.47560	z 3916.	z 12850.	.48410

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3366.2	4934.7	29128.	10668.
Stddev	6.5	5.5	17.	5.
%RSD	.19328	.11224	.05976	.04272

#1	3370.8	4938.6	29140.	10671.
#2	3361.6	4930.8	29116.	10665.

Sample Name: CCB Acquired: 11/13/2012 14:41:27 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00053	.02390	.00029	.0019	.0031	-.00154	.00005	-.00006	.01100	-.00022	.00006	-.00054	.00096
Stddev	.00093	.00023	.00106	.0025	.0015	.00023	.00001	.00004	.00193	.00001	.00005	.00044	.00004
%RSD	174.14	.94727	364.41	131.9	48.42	14.774	20.324	63.664	17.512	5.5721	91.080	80.791	4.6090

#1	.00119	.02374	-.00046	.0037	.0020	-.00138	.00006	-.00003	.01236	-.00023	.00002	-.00023	.00100
#2	-.00012	.02406	.00104	.0001	.0041	-.00171	.00004	-.00008	.00963	-.00021	.00010	-.00085	.00093

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00687	.03314	.00274	-.00012	.00455	.00011	.00032	.00475	-.00030	.00080	.00398	.00033	.00034
Stddev	.00479	.00636	.00089	.00151	.00659	.00003	.00014	.00305	.00032	.00010	.00266	.00066	.00024
%RSD	69.765	19.188	32.475	1242.9	144.69	26.644	44.159	64.291	106.97	12.029	66.832	199.68	69.396

#1	.01025	.02864	.00337	-.00119	.00921	.00009	.00022	.00690	-.00007	.00073	.00586	-.00014	.00051
#2	.00348	.03763	.00211	.00094	-.00011	.00013	.00042	.00259	-.00053	.00087	.00210	.00080	.00017

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01044	.00022	.00014	.00017	.00012	.00080	z *****	z *****	.00217
Stddev	.01101	.00010	.00008	.00004	.00040	.00014	z *****	z *****	.00039
%RSD	105.50	47.063	56.548	25.354	327.23	17.810	z *****	z *****	18.180

#1	.01823	.00029	.00019	.00020	.00041	.00070	z 3738.	z 12210.	.00189
#2	.00265	.00015	.00008	.00014	-.00016	.00090	z 3710.	z 12170.	.00245

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3547.8	4951.7	29194.	10121.
Stddev	3.1	2.8	13.	21.
%RSD	.08871	.05620	.04522	.21226

#1	3545.5	4953.7	29204.	10136.
#2	3550.0	4949.8	29185.	10105.

Sample Name: 480-28205-E-5-A Acquired: 11/13/2012 14:43:45 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.35812	-.00169	.0042	.0014	.07714	.04984	-.00004	63.549
Stddev	.00003	.02921	.00122	.0019	.0010	.00037	.00009	.00003	.150
%RSD	14.342	8.1561	72.024	45.18	71.67	.47829	.17072	79.048	.23678

#1	.00021	.33746	-.00083	.0029	.0007	.07740	.04990	-.00002	63.443
#2	.00017	.37877	-.00256	.0056	.0021	.07688	.04978	-.00006	63.656

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00019	.00236	.00254	5.8135	6.0819	6.2096	.06888	6.9345
Stddev	.00024	.00017	.00046	.00021	.0067	.0076	.0994	.00019	.0349
%RSD	1244.7	89.261	19.372	8.1246	.11522	.12584	1.6014	.27660	.50342

#1	-.00015	.00007	.00269	.00239	5.8087	6.0765	6.1393	.06902	6.9592
#2	.00019	.00031	.00204	.00268	5.8182	6.0874	6.2799	.06875	6.9098

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11154	.00098	11.608	.00107	-.00014	16.965	-.00079	.00314	11.089
Stddev	.00026	.00022	.045	.00059	.00059	.011	.00091	.00352	.103
%RSD	.23053	22.348	.39160	54.628	434.77	.06434	114.80	112.06	.92691

#1	.11172	.00114	11.576	.00149	.00028	16.973	-.00015	.00564	11.016
#2	.11136	.00083	11.640	.00066	-.00055	16.957	-.00143	.00065	11.161

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00047	.31038	.00950	-.00094	.00186	****	****	.01277
Stddev	.00032	.00161	.00185	.00034	.00022	----	----	.00036
%RSD	68.255	.51793	19.483	36.465	12.034	----	----	2.8068

#1	-.00070	.30925	.00819	-.00070	.00170	3842.	12540.	.01252
#2	-.00024	.31152	.01081	-.00119	.00201	3822.	12540.	.01303

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3453.6	4920.9	29011.	10393.
Stddev	2.8	1.5	33.	22.
%RSD	.08193	.03088	.11390	.21247

#1	3451.6	4922.0	29034.	10408.
#2	3455.6	4919.8	28987.	10377.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0039	.03321	-0.00108	.0000	.0044	.00437	.01785	-0.00013	4.3143
Stddev	.00010	.02120	.00042	.001	.0001	.00053	.00001	.00003	.0202
%RSD	25.426	63.827	38.775	1834.	1.543	12.206	.04956	21.298	.46916

#1	-.00032	.01822	-.00079	-.0004	.0044	.00474	.01786	-.00015	4.3286
#2	-.00046	.04820	-.00138	.0003	.0045	.00399	.01785	-.00011	4.3000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.01491	-0.00003	.00179	.70706	2.7577	2.3114	.00031	.73454
Stddev	.00003	.00017	.00050	.00011	.00604	.0299	.0139	.00043	.00615
%RSD	106.61	1.1463	1459.1	6.0675	.85422	1.0831	.60229	138.06	.83794

#1	.00001	.01479	-.00039	.00172	.70278	2.7788	2.3213	.00062	.73889
#2	.00006	.01503	.00032	.00187	.71133	2.7366	2.3016	.00001	.73019

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.34400	.00021	3.1414	.00130	.00094	2.2369	-0.00045	-0.00104	6.3807
Stddev	.00000	.00001	.0097	.00031	.00134	.0136	.00064	.00147	.0526
%RSD	.00082	6.2128	.30926	23.609	142.38	.60885	143.19	141.69	.82483

#1	.34400	.00020	3.1482	.00152	.00188	2.2466	-.00090	.00000	6.4179
#2	.34400	.00022	3.1345	.00109	-.00001	2.2273	.00001	-.00208	6.3434

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00016	.02165	.00107	-0.00066	-0.00011	****	****	.01921
Stddev	.00073	.00000	.00007	.00188	.00027	----	----	.00061
%RSD	448.56	.00140	6.3119	286.00	241.26	----	----	3.1640

#1	-.00035	.02165	.00112	-.00199	-.00030	3931.	12850.	.01878
#2	.00068	.02165	.00102	.00067	.00008	3956.	12960.	.01964

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3635.2	5042.8	30087.	10729.
Stddev	2.1	5.6	67.	61.
%RSD	.05812	.11077	.22120	.57250

#1	3636.7	5038.9	30134.	10686.
#2	3633.8	5046.8	30040.	10773.

Sample Name: 480-28197-E-2-A Acquired: 11/13/2012 14:48:17 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0067	.01746	.00331	.0052	.0038	.00340	.03359	-0.0010	25.325
Stddev	.00047	.00113	.00239	.0028	.0013	.00011	.00050	.00001	.095
%RSD	70.233	6.4584	72.072	52.93	34.28	3.3206	1.4952	7.6200	.37371

#1	-.00100	.01667	.00500	.0033	.0047	.00348	.03394	-.00009	25.258
#2	-.00034	.01826	.00162	.0071	.0029	.00332	.03323	-.00010	25.392

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0017	-0.0014	-0.0046	.00124	.01932	4.1573	3.8402	.00343	1.8816
Stddev	.00008	.00002	.00075	.00040	.00254	.0113	.0325	.00245	.0212
%RSD	45.588	10.609	164.89	32.629	13.164	.27167	.84640	71.399	1.1279

#1	-.00023	-.00015	.00008	.00095	.02111	4.1653	3.8631	.00517	1.8966
#2	-.00012	-.00013	-.00099	.00152	.01752	4.1493	3.8172	.00170	1.8666

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11844	.00793	8.0592	.00019	.00037	2.3657	.00026	.00128	5.6328
Stddev	.00220	.00008	.0004	.00003	.00033	.0003	.00014	.00072	.0301
%RSD	1.8613	1.0201	.00477	13.906	90.000	.01447	52.025	56.189	.53506

#1	.12000	.00799	8.0594	.00017	.00013	2.3655	.00036	.00077	5.6115
#2	.11688	.00787	8.0589	.00020	.00060	2.3659	.00017	.00179	5.6541

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0064	.06160	.00002	.00028	.00034	*****	*****	.00107
Stddev	.00041	.00002	.00031	.00092	.00024	----	----	.00013
%RSD	63.238	.03898	1585.4	329.69	68.950	----	----	12.165

#1	-.00035	.06158	.00024	.00093	.00017	3823.	12470.	.00117
#2	-.00093	.06162	-.00020	-.00037	.00051	3794.	12400.	.00098

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3535.7	4985.5	29115.	10303.
Stddev	3.5	3.4	257.	65.
%RSD	.09999	.06864	.88419	.63169

#1	3538.2	4987.9	28933.	10349.
#2	3533.2	4983.0	29297.	10257.

Sample Name: 480-28197-F-3-A Acquired: 11/13/2012 14:50:32 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0032	.04863	.00186	.0027	.0033	.00933	.01499	-0.0006	9.1045
Stddev	.00001	.00816	.00089	.0009	.0017	.00012	.00004	.00003	.0858
%RSD	3.9005	16.777	47.599	34.26	51.92	1.2701	.28896	43.996	.94229

#1	-0.0031	.05439	.00123	.0034	.0021	.00941	.01496	-0.0008	9.1652
#2	-0.0032	.04286	.00249	.0020	.0045	.00925	.01502	-0.0004	9.0439

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0012	.00005	-0.00051	.00146	.00387	2.7534	2.5285	.00003	1.7728
Stddev	.00005	.00020	.00046	.00028	.00108	.0422	.0080	.00035	.0128
%RSD	39.428	394.17	90.902	18.901	27.981	1.5342	.31689	1292.9	.72302

#1	-0.0015	-0.0009	-0.0018	.00165	.00310	2.7832	2.5228	-0.0022	1.7819
#2	-0.0009	.00019	-0.00083	.00126	.00463	2.7235	2.5341	.00027	1.7638

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00249	.00019	8.7791	-0.0027	-0.0067	5.6375	.00216	.00030	5.8641
Stddev	.00006	.00003	.0305	.00014	.00047	.0036	.00031	.00263	.0691
%RSD	2.2133	14.883	.34736	52.566	70.632	.06447	14.323	874.31	1.1782

#1	.00245	.00017	8.8007	-0.0017	-0.0100	5.6350	.00237	.00216	5.9130
#2	.00252	.00021	8.7576	-0.0037	-0.0033	5.6401	.00194	-0.00156	5.8153

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0088	.04204	-0.0024	.00054	.00008	*****	*****	.00230
Stddev	.00061	.00035	.00003	.00141	.00006	----	----	.00012
%RSD	69.652	.83576	13.659	262.18	84.826	----	----	5.3638

#1	-0.0131	.04229	-0.0022	.00153	.00003	3844.	12600.	.00238
#2	-0.0045	.04179	-0.0026	-0.0046	.00012	3914.	12850.	.00221

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3586.1	5009.4	29661.	10573.
Stddev	.8	7.8	53.	148.
%RSD	.02307	.15494	.17935	1.4041

#1	3586.6	5014.9	29699.	10468.
#2	3585.5	5003.9	29624.	10678.

Sample Name: 480-28197-E-4-A Acquired: 11/13/2012 14:52:46 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0055	.01847	.00212	.0014	.0039	.00782	.01724	-0.0009	13.362
Stddev	.00022	.00532	.00150	.0008	.0016	.00012	.00001	.00002	.016
%RSD	39.556	28.779	70.438	56.23	42.36	1.5475	.08276	25.239	.12065

#1	-0.0070	.02223	.00107	.0020	.0027	.00790	.01723	-0.0011	13.350
#2	-0.0039	.01471	.00318	.0009	.0050	.00773	.01725	-0.0008	13.373

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0016	-0.0002	.00006	.00172	.01495	3.3343	3.6051	.00115	1.6329
Stddev	.00014	.00017	.00088	.00030	.00301	.0178	.0066	.00037	.0096
%RSD	87.416	727.71	1412.8	17.666	20.165	.53453	.18334	32.095	.58771

#1	-0.0025	.00010	-0.00056	.00150	.01708	3.3217	3.6097	.00089	1.6261
#2	-0.0006	-0.00014	.00069	.00193	.01282	3.3469	3.6004	.00141	1.6397

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09835	.00726	40.970	-0.00030	-0.00012	6.0682	-0.00050	-0.00031	7.4683
Stddev	.00029	.00030	.048	.00070	.00209	.0004	.00024	.00129	.0062
%RSD	.29257	4.0919	.11689	230.80	1715.0	.00640	47.814	416.28	.08281

#1	.09815	.00705	40.936	-0.00080	.00136	6.0685	-0.00033	.00060	7.4639
#2	.09856	.00747	41.004	.00019	-0.00160	6.0680	-0.00067	-0.00123	7.4726

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0047	.03733	.00011	.00009	.00018	****	****	.00234
Stddev	.00006	.00000	.00038	.00094	.00009	----	----	.00036
%RSD	11.888	.00940	358.56	1100.0	49.474	----	----	15.223

#1	-0.0043	.03733	-0.00016	.00075	.00012	3872.	12660.	.00259
#2	-0.0051	.03733	.00038	-0.00058	.00024	3882.	12690.	.00208

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3496.0	4961.1	29395.0	10525.0
Stddev	1.7	1.5	55.	14.
%RSD	.04887	.02971	.18786	.12978

#1	3497.2	4962.2	29356.	10515.
#2	3494.8	4960.1	29434.	10535.

Sample Name: 480-28197-E-6-A Acquired: 11/13/2012 14:55:00 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	.00257	.00206	.0025	.0024	.00795	.01734	-0.0006	13.614
Stddev	.00017	.01314	.00379	.0005	.0018	.00002	.00007	.00002	.007
%RSD	1309.8	511.12	184.61	21.83	74.50	.23991	.38719	29.519	.04930

#1	.00011	-.00672	.00474	.0021	.0011	.00796	.01730	-.00007	13.619
#2	-.00014	.01186	-.00063	.0029	.0037	.00793	.01739	-.00005	13.610

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0019	-0.0011	.00012	.00173	.02134	3.3805	3.6569	.00243	1.6479
Stddev	.00009	.00019	.00016	.00006	.00387	.0079	.0391	.00026	.0108
%RSD	46.455	176.79	141.45	3.6686	18.155	.23264	1.0703	10.520	.65277

#1	-.00013	.00003	.00023	.00178	.02407	3.3860	3.6292	.00261	1.6555
#2	-.00026	-.00024	.00000	.00169	.01860	3.3749	3.6846	.00225	1.6403

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09380	.00721	41.162	-0.0007	-0.0064	5.9898	-0.0022	-0.00253	7.5317
Stddev	.00025	.00029	.157	.00004	.00001	.0589	.00006	.00365	.0150
%RSD	.26917	4.0281	.38074	54.570	1.8321	.98275	25.852	144.47	.19979

#1	.09398	.00742	41.051	-.00010	-.00065	6.0314	-.00018	.00005	7.5423
#2	.09362	.00700	41.273	-.00004	-.00063	5.9482	-.00026	-.00511	7.5210

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0038	.03785	.00044	-0.0002	.00000	*****	*****	.00171
Stddev	.00004	.00027	.00023	.00101	.0000	----	----	.00011
%RSD	11.109	.72242	51.409	6500.3	3941.8	----	----	6.5896

#1	-.00041	.03766	.00060	-.00073	.00003	3886.	12660.	.00163
#2	-.00035	.03805	.00028	.00070	-.00003	3858.	12600.	.00179

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3509.3	4977.1	29221.	10486.
Stddev	25.9	40.6	104.	23.
%RSD	.73769	.81497	.35439	.21932

#1	3491.0	4948.4	29148.	10502.
#2	3527.6	5005.7	29295.	10470.

Sample Name: 480-28258-C-2-A Acquired: 11/13/2012 14:57:13 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0073	.02068	-0.0083	.0049	.0014	1.0704	.03552	-0.0009	27.784
Stddev	.00075	.00301	.00264	.0000	.0008	.0080	.00017	.00010	.297
%RSD	103.08	14.552	317.47	.5194	59.80	.74654	.46466	103.18	1.0692

#1	-.00126	.01855	.00104	.0049	.0019	1.0760	.03541	-.00003	27.994
#2	-.00020	.02281	-.00270	.0049	.0008	1.0647	.03564	-.00016	27.574

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	.00009	-0.00033	.00167	.01126	6.8951	10.339	.20199	19.273
Stddev	.00012	.00004	.00011	.00001	.00289	.0521	.152	.00223	.034
%RSD	170.50	45.296	34.280	.73067	25.661	.75551	1.4659	1.1046	.17589

#1	.00001	.00006	-.00041	.00168	.01331	6.9319	10.446	.20356	19.297
#2	-.00015	.00012	-.00025	.00166	.00922	6.8582	10.232	.20041	19.249

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00686	.00005	212.32	.00009	-0.0002	28.879	.00097	.00129	3.5510
Stddev	.00008	.00010	2.61	.00003	.00027	.227	.00094	.00461	.0526
%RSD	1.1494	204.61	1.2307	28.853	1394.0	.78634	96.435	357.75	1.4804

#1	.00680	.00013	214.17	.00011	-.00021	29.040	.00031	-.00197	3.5882
#2	.00691	-.00002	210.47	.00007	.00017	28.719	.00164	.00454	3.5138

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0027	.81675	-0.0044	-0.0052	.00001	*****	*****	.00249
Stddev	.00038	.01319	.00028	.00110	.00015	----	----	.00044
%RSD	144.51	1.6153	63.582	209.95	1386.4	----	----	17.766

#1	.00001	.82608	-.00024	.00025	.00012	3815.	12520.	.00218
#2	-.00054	.80742	-.00064	-.00130	-.00010	3830.	12570.	.00280

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3210.1	4776.2	27613.	10478.
Stddev	24.8	35.0	153.	54.
%RSD	.77101	.73192	.55431	.51164

#1	3192.6	4751.5	27504.	10440.
#2	3227.6	4801.0	27721.	10516.

Sample Name: 480-28258-C-3-A Acquired: 11/13/2012 14:59:38 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0038	.02484	.00006	.0023	.0018	1.1117	.03648	-0.0003	28.407
Stddev	.00035	.01918	.00036	.0016	.0004	.0037	.00017	.00007	.032
%RSD	91.837	77.230	613.79	67.89	20.41	.33085	.47076	250.42	.11419

#1	-0.00013	.01127	-0.00020	.0034	.0020	1.1143	.03635	-0.00007	28.384
#2	-0.00063	.03840	.00031	.0012	.0015	1.1091	.03660	.00002	28.430

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	-0.00006	-0.00039	.00146	.01278	7.1420	10.903	.20862	19.607
Stddev	.00003	.00004	.00002	.00039	.00287	.0298	.104	.00049	.087
%RSD	19.922	73.165	5.7611	26.734	22.467	.41677	.95643	.23711	.44319

#1	.00015	-0.00009	-0.00037	.00173	.01481	7.1210	10.829	.20827	19.546
#2	.00011	-0.00003	-0.00041	.00118	.01075	7.1631	10.976	.20897	19.669

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00706	.00016	219.74	.00014	-0.00079	29.275	.00036	.00208	3.6718
Stddev	.00008	.00008	.29	.00023	.00103	.046	.00058	.00121	.0306
%RSD	1.1683	47.765	.13366	163.13	129.45	.15768	159.95	57.961	.83370

#1	.00712	.00022	219.53	.00030	-0.00007	29.308	.00077	.00123	3.6502
#2	.00700	.00011	219.95	-0.00002	-0.00152	29.243	-0.00005	.00294	3.6935

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00019	.85407	.00073	-0.00080	-0.00026	****	****	.00115
Stddev	.00060	.00048	.00020	.00082	.00019	----	----	.00028
%RSD	313.94	.05624	26.945	102.27	73.748	----	----	24.190

#1	.00023	.85373	.00059	-0.00138	-0.00012	3886.	12740.	.00095
#2	-0.00062	.85441	.00087	-0.00022	-0.00039	3890.	12730.	.00134

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3215.0	4761.4	27726.	10636.
Stddev	1.4	5.2	92.	7.
%RSD	.04363	.11007	.33175	.06269

#1	3216.0	4757.7	27791.	10641.
#2	3214.0	4765.1	27661.	10632.

Sample Name: 480-28258-C-4-A Acquired: 11/13/2012 15:02:01 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0034	.02432	-0.0059	.0037	-0.001	1.4977	.01382	.0006	15.280
Stddev	.00029	.02681	.00051	.0007	.0027	.0066	.00012	.00021	.257
%RSD	85.367	110.24	87.684	17.77	2553.	.44095	.88497	367.60	1.6846

#1	-0.0054	.00536	-0.0095	.0032	.0018	1.4930	.01391	-0.0009	15.462
#2	-0.0013	.04328	-0.0022	.0042	-0.0020	1.5024	.01374	.00020	15.098

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	-0.0021	-0.0012	.00189	.15277	4.4778	7.5262	.28584	7.9663
Stddev	.00001	.00007	.00004	.00027	.01286	.0816	.1047	.01546	.0622
%RSD	124.53	34.046	30.549	14.299	8.4151	1.8221	1.3910	5.4088	.78085

#1	.00000	-0.0016	-0.0014	.00170	.14368	4.5355	7.6002	.29677	7.9223
#2	-0.0002	-0.0026	-0.0009	.00208	.16186	4.4201	7.4521	.27491	8.0103

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00986	.00021	374.95	.00002	.00066	75.074	.00116	.00175	3.7564
Stddev	.00022	.00032	22.15	.00026	.00032	.196	.00141	.00108	.0169
%RSD	2.1916	148.84	5.9085	1241.1	48.054	.26050	121.92	61.950	.44889

#1	.01001	-0.0001	390.62	.00020	.00044	74.935	.00215	.00251	3.7445
#2	.00971	.00044	359.29	-0.0016	.00089	75.212	.00016	.00098	3.7683

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0059	.33535	-0.0021	-0.0154	.00042	*****	*****	.00294
Stddev	.00027	.00447	.00030	.00142	.00017	----	----	.00110
%RSD	44.748	1.3344	141.77	92.538	40.740	----	----	37.246

#1	-0.0078	.33852	.00000	-0.0053	.00054	3663.	11990.	.00217
#2	-0.0041	.33219	-0.0043	-0.0254	.00030	3772.	12410.	.00372

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3135.0	4758.3	27030.	10133.
Stddev	9.8	26.1	326.	255.
%RSD	.31152	.54863	1.2043	2.5129

#1	3141.9	4776.8	26800.	9952.8
#2	3128.0	4739.8	27260.	10313.

Sample Name: 480-28258-C-5-A Acquired: 11/13/2012 15:04:26 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0050	.02971	.00182	.0036	.0020	1.4025	.02311	-0.0001	8.3230
Stddev	.00020	.02300	.00093	.0011	.0003	.0024	.00005	.00006	1.7003
%RSD	39.620	77.423	51.125	29.41	15.86	.17404	.23303	592.62	20.429

#1	-.00036	.04597	.00247	.0044	.0023	1.4007	.02308	.00003	9.5253
#2	-.00064	.01344	.00116	.0029	.0018	1.4042	.02315	-.00006	7.1207

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	.00000	-0.00034	.00296	.06995	3.5498	5.0055	.23611	3.1938
Stddev	.00010	.0002	.00002	.00027	.01676	.7281	.0217	.04542	.0027
%RSD	134.93	6019.6	6.6843	8.9968	23.966	20.510	.43340	19.238	.08365

#1	.00000	.00011	-.00033	.00315	.08181	4.0647	5.0209	.26823	3.1957
#2	-.00014	-.00012	-.00036	.00277	.05810	3.0350	4.9902	.20399	3.1919

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03915	.00080	381.45	-0.0015	-0.00081	18.575	.00068	-0.00379	4.6517
Stddev	.00007	.00010	73.18	.00017	.00087	.045	.00011	.00011	.9378
%RSD	.16920	12.492	19.186	117.29	107.77	.24092	16.203	2.8045	20.161

#1	.03920	.00073	433.20	-.00027	-.00142	18.607	.00060	-.00387	5.3149
#2	.03911	.00087	329.70	-.00003	-.00019	18.544	.00076	-.00372	3.9886

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00002	.17284	-0.00031	.00081	.00007	*****	*****	.00236
Stddev	.00016	.03318	.00040	.00174	.00072	----	----	.00077
%RSD	1053.3	19.194	126.20	213.62	1029.2	----	----	32.455

#1	.00013	.19630	-.00059	.00204	-.00044	2988.	9656.	.00290
#2	-.00010	.14939	-.00003	-.00042	.00058	3769.	12330.	.00182

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3170.6	4768.6	27427.	9071.1
Stddev	1.8	1.9	22.	1593.7
%RSD	.05659	.04026	.07842	17.569

#1	3169.3	4767.3	27442.	7944.1
#2	3171.8	4770.0	27412.	10198.

Sample Name: CCV Acquired: 11/13/2012 15:06:48 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49540	24.278	49434	5075	4968	50328	49216	48943	24.941	49850	48703	50125	48456
Stddev	.00551	.163	.00403	.0008	.0097	.00201	.00471	.00372	.238	.00160	.00215	.00520	.00532
%RSD	1.1130	.67275	.81567	.1614	1.955	.39940	.95634	.76073	.95340	.32089	.44188	1.0365	1.0986

#1	.49150	24.163	.49719	.5081	.4899	.50470	.48883	.48680	24.772	.49964	.48855	.49757	.48080
#2	.49930	24.394	.49149	.5069	.5037	.50186	.49549	.49206	25.109	.49737	.48550	.50492	.48832

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.634	24.294	24.579	48093	23.720	49374	49798	24.944	49176	49170	24.826	51150	50017
Stddev	.135	.242	.311	.00465	.236	.00449	.00034	.211	.00135	.00161	.051	.00243	.00605
%RSD	.54876	.99764	1.2659	.96724	.99639	.90871	.06781	.84523	.27437	.32717	.20645	.47576	1.2098

#1	24.538	24.122	24.359	.47764	23.553	.49057	.49774	24.795	.49080	.49284	24.862	.51322	.50445
#2	24.729	24.465	24.799	.48422	23.887	.49691	.49822	25.093	.49271	.49057	24.790	.50978	.49589

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	24.998	49992	50034	49061	49350	48438	z *****	z *****	49818
Stddev	.148	.00175	.00442	.00375	.00328	.00398	-----	-----	.00316
%RSD	.59225	.35055	.88423	.76358	.66383	.82240	-----	-----	.63513

#1	24.894	.50116	.49721	.48796	.49581	.48157	z 3799.	z 12420.	.49594
#2	25.103	.49868	.50346	.49326	.49118	.48720	z 3744.	z 12260.	.50042

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3345.2	4920.3	28565.	10221.
Stddev	4.6	.1	171.	104.
%RSD	.13658	.00231	.59720	1.0194

#1	3341.9	4920.2	28685.	10294.
#2	3348.4	4920.4	28444.	10147.

Sample Name: CCB Acquired: 11/13/2012 15:08:58 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0053	-0.0020	-0.0123	.0015	.0030	-0.0026	.0002	.00005	.00424	-0.0022	-0.0006	.00019	.00073
Stddev	.00035	.01777	.00304	.0018	.0009	.00002	.00002	.00002	.00077	.00001	.00004	.00023	.00006
%RSD	66.180	8834.5	246.72	123.5	31.19	6.4288	93.554	39.021	18.086	4.4271	67.296	125.46	8.3689

#1	-0.0077	-0.1277	-0.0338	.0002	.0036	-0.0027	.00004	.00007	.00370	-0.0021	-0.0003	.00002	.00068
#2	-0.0028	.01236	.00092	.0028	.0023	-0.0025	.00001	.00004	.00478	-0.0022	-0.0008	.00035	.00077

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00117	.01539	.00198	-0.0042	.00453	-0.0007	.00052	.03587	.00028	.00061	-0.0021	.00136	-0.0048
Stddev	.00226	.04126	.00102	.00106	.00028	.00004	.00019	.00061	.00035	.00174	.00429	.00035	.00211
%RSD	193.61	268.08	51.346	249.87	6.2568	61.096	35.874	1.6996	126.75	285.25	2009.0	25.503	436.21

#1	.00277	.04456	.00270	.00032	.00433	-0.0004	.00066	.03631	.00053	.00184	.00282	.00111	-0.0197
#2	-0.0043	-0.1378	.00126	-0.0117	.00473	-0.0010	.00039	.03544	.00003	-0.0062	-0.0325	.00160	.00101

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02875	-0.0039	.00003	.00034	-0.0055	-0.0039	z *****	z *****	.00202
Stddev	.00708	.00056	.00002	.00042	.00142	.00022	z -----	z -----	.00039
%RSD	24.639	143.69	85.709	124.29	257.11	57.835	z -----	z -----	19.313

#1	.02374	.00001	.00004	.00004	.00045	-0.0055	z 3781.	z 12360.	.00229
#2	.03376	-0.00078	.00001	.00064	-0.0156	-0.0023	z 3774.	z 12330.	.00174

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3585.9	4977.1	29371.	10266.
Stddev	2.4	11.6	234.	10.
%RSD	.06775	.23243	.79550	.09666

#1	3584.1	4985.3	29206.	10273.
#2	3587.6	4968.9	29536.	10258.

Sample Name: 480-28258-C-6-A Acquired: 11/13/2012 15:11:16 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	.01114	.00125	.0030	.0043	1.2231	.01405	-0.0001	11.026
Stddev	.00051	.00553	.00024	.0006	.0003	.0036	.00006	.00003	.100
%RSD	618.53	49.587	19.217	21.83	7.478	.29639	.44932	220.60	.90426

#1	-.00044	.00724	.00142	.0034	.0046	1.2205	.01401	-.00004	11.096
#2	.00028	.01505	.00108	.0025	.0041	1.2257	.01410	.00001	10.955

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	-0.00010	-0.00024	.00204	.02150	4.6827	7.5066	.24899	7.3404
Stddev	.00012	.00000	.00016	.00004	.00248	.0752	.0427	.00334	.0286
%RSD	109.96	4.7599	64.503	1.9827	11.542	1.6056	.56937	1.3404	.39016

#1	.00019	-.00010	-.00013	.00207	.01974	4.7358	7.4763	.25135	7.3201
#2	.00002	-.00011	-.00035	.00201	.02325	4.6295	7.5368	.24663	7.3606

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00143	.00017	323.48	-0.00007	-0.00006	55.296	-0.00082	-0.00238	3.6886
Stddev	.00001	.00008	2.61	.00034	.00059	.107	.00012	.00079	.0526
%RSD	.36580	48.075	.80651	465.57	1033.4	.19381	14.410	33.193	1.4251

#1	.00143	.00022	325.32	-.00032	.00036	55.220	-.00073	-.00182	3.7258
#2	.00142	.00011	321.63	.00017	-.00048	55.372	-.00090	-.00294	3.6514

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00002	.40036	-0.00014	-0.00192	.00010	****	****	.00242
Stddev	.00097	.00370	.00026	.00130	.00027	----	----	.00042
%RSD	4249.6	.92429	185.24	68.123	260.56	----	----	17.170

#1	.00071	.40297	.00004	-.00099	-.00009	3732.	12260.	.00272
#2	-.00066	.39774	-.00033	-.00284	.00030	3734.	12260.	.00213

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3149.9	4753.3	27155.	10199.
Stddev	2.6	1.0	120.	26.
%RSD	.08176	.02025	.44363	.25075

#1	3148.1	4753.9	27240.	10181.
#2	3151.8	4752.6	27070.	10217.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0073	-0.0101	-0.0096	.0059	.0013	1.1348	.02198	-0.0003	12.102
Stddev	.00079	.01948	.00300	.0013	.0058	.0095	.00005	.00002	.093
%RSD	108.20	1922.2	310.89	22.27	447.9	.83989	.22077	71.963	.77163

#1	-.00129	.01276	-.00309	.0049	-.0028	1.1416	.02202	-.00005	12.168
#2	-.00017	-.01479	.00116	.0068	.0054	1.1281	.02195	-.00002	12.036

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00131	.00123	-0.00035	.00237	.11789	4.6150	7.0580	.19105	8.9006
Stddev	.00198	.00209	.00002	.00022	.00158	.0197	.0426	.00157	.0667
%RSD	151.10	170.31	4.6957	9.2840	1.3384	.42735	.60376	.82237	.74905

#1	-.00009	-.00025	-.00034	.00221	.11900	4.6289	7.0278	.19216	8.9478
#2	.00271	.00271	-.00036	.00252	.11677	4.6010	7.0881	.18994	8.8535

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01793	.00154	257.73	.00140	.00071	6.2316	.00174	.00081	3.9293
Stddev	.00018	.00195	2.18	.00294	.00314	.3918	.00144	.00358	.0407
%RSD	1.0209	126.71	.84709	210.41	445.39	6.2879	82.834	442.96	1.0353

#1	.01806	.00016	259.27	-.00068	-.00152	5.9545	.00072	-.00172	3.9581
#2	.01780	.00292	256.18	.00347	.00293	6.5087	.00276	.00334	3.9006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00106	.48273	.00029	.00136	.00026	*****	*****	.00351
Stddev	.00180	.00296	.00003	.00372	.00068	----	----	.00036
%RSD	169.09	.61296	10.442	274.22	257.41	----	----	10.345

#1	-.00021	.48483	.00031	-.00127	-.00022	3735.	12210.	.00326
#2	.00233	.48064	.00027	.00399	.00074	3750.	12290.	.00377

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3192.5	4756.8	27308.	10185.
Stddev	2.8	2.3	79.	74.
%RSD	.08888	.04843	.28950	.72296

#1	3190.5	4755.2	27252.	10133.
#2	3194.5	4758.5	27364.	10237.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0035	.03404	-0.0066	.0033	-0.004	.0021	-0.0001	-0.0010	.00489
Stddev	.00044	.02032	.00348	.0022	.0010	.00029	.00001	.00000	.00311
%RSD	125.06	59.700	527.50	66.11	223.6	139.96	57.307	.29096	63.629

#1	-0.0066	.01967	-0.0312	.0049	-0.011	.00041	-0.0001	-0.0010	.00269
#2	-0.0004	.04841	.00180	.0018	.0003	.00000	-0.0002	-0.0010	.00708

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	.00000	-0.0016	.00135	.00213	.00436	.00144	-0.0029	.00156
Stddev	.00004	.0001	.00035	.00016	.00101	.00321	.00058	.00061	.00197
%RSD	51.263	3698.1	217.40	12.132	47.382	73.672	40.293	215.03	126.20

#1	-0.0005	-0.0008	-0.0041	.00123	.00285	.00663	.00103	.00015	.00295
#2	-0.0010	.00008	.00009	.00147	.00142	.00209	.00185	-0.0072	.00017

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	.00003	.01839	-0.0005	-0.0083	-0.0014	-0.0048	-0.0088	-0.01078
Stddev	.00004	.00012	.00406	.00003	.00084	.00165	.00063	.00131	.01341
%RSD	45.795	443.52	22.054	53.693	101.59	1172.1	129.85	149.40	124.35

#1	-0.0011	-0.0006	.02126	-0.0006	-0.0023	-0.0131	-0.0004	-0.0181	-0.02026
#2	-0.0005	.00011	.01552	-0.0003	-0.0142	.00103	-0.0093	.00005	-0.0130

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0106	.00001	-0.0039	-0.0163	-0.0024	F *****	*****	.00124
Stddev	.00053	.00006	.00019	.00113	.00016	----	----	.00016
%RSD	49.750	462.95	48.143	69.286	64.211	----	----	12.770

#1	-0.0069	-0.0003	-0.0052	-0.0243	-0.0013	3847.	12620.	.00112
#2	-0.0143	.00006	-0.0025	-0.0083	-0.0035	3827.	12540.	.00135

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						12.00		
Low Limit						8.000		

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3620.2	5033.2	29926.	10460.
Stddev	5.9	10.9	52.	37.
%RSD	.16197	.21681	.17444	.35198

#1	3616.1	5025.4	29963.	10486.
#2	3624.4	5040.9	29889.	10434.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04963	9.7866	.19923	.2107	.2074	.20228	.19881	.20231	10.065
Stddev	.00065	.0212	.00373	.0016	.0003	.00109	.00003	.00077	.034
%RSD	1.3127	.21707	1.8732	.7397	.1575	.53886	.01721	.38146	.34000

#1	.05009	9.8016	.19659	.2118	.2076	.20151	.19879	.20286	10.089
#2	.04917	9.7716	.20187	.2096	.2071	.20305	.19884	.20177	10.040

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20045	.19904	.20544	.19547	10.155	9.6868	9.0368	.19367	9.7399
Stddev	.00039	.00010	.00081	.00018	.039	.0201	.0065	.00018	.0174
%RSD	.19534	.05152	.39553	.09012	.38239	.20756	.07222	.09211	.17828

#1	.20018	.19911	.20602	.19560	10.182	9.7010	9.0414	.19380	9.7521
#2	.20073	.19897	.20487	.19535	10.127	9.6726	9.0322	.19355	9.7276

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19580	.20247	9.9366	.19685	.19718	.00017	.20458	.19659	10.230
Stddev	.00005	.00029	.0215	.00093	.00009	.00060	.00097	.00627	.019
%RSD	.02493	.14456	.21620	.47055	.04582	355.68	.47322	3.1904	.18971

#1	.19577	.20226	9.9518	.19751	.19712	.00060	.20527	.19216	10.216
#2	.19584	.20268	9.9214	.19620	.19725	-.00026	.20390	.20103	10.244

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.19590	.20248	.18951	.19324	.19209	*****	*****	.21289
Stddev	.00011	.00070	.00051	.00069	.00146	----	----	.00273
%RSD	.05397	.34398	.26737	.35602	.76120	----	----	1.2840

#1	.19597	.20298	.18987	.19275	.19312	3829.	12540.	.21482
#2	.19582	.20199	.18915	.19373	.19105	3839.	12530.	.21096

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3478.4	4986.7	29216.	10397.
Stddev	1.3	6.6	83.	15.
%RSD	.03745	.13218	.28354	.14402

#1	3479.3	4991.4	29157.	10386.
#2	3477.5	4982.1	29274.	10407.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	.01295	.00280	.0031	.0004	.73045	.02502	-0.0001	37.616
Stddev	.00121	.00626	.00422	.0011	.0005	.00255	.00016	.00001	.041
%RSD	1550.8	48.357	150.31	36.59	110.2	.34910	.62618	104.09	.10787

#1	-.00093	.01738	-.00018	.0039	.0001	.72865	.02513	-.00001	37.645
#2	.00078	.00852	.00578	.0023	.0007	.73226	.02491	.00000	37.588

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.00085	-0.00018	.00175	.05616	1.6227	2.0520	.00993	18.205
Stddev	.00012	.00002	.00027	.00047	.00371	.0017	.0273	.00072	.095
%RSD	230.06	2.1737	152.17	26.678	6.6136	.10567	1.3319	7.2185	.51930

#1	.00014	.00087	.00001	.00142	.05353	1.6215	2.0713	.01044	18.272
#2	-.00003	.00084	-.00038	.00208	.05879	1.6239	2.0327	.00943	18.138

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07830	.02978	98.381	.02087	.00114	32.853	-0.0079	-0.00161	5.8784
Stddev	.00018	.00013	.106	.00040	.00073	.071	.00017	.00578	.0141
%RSD	.23415	.45226	.10814	1.9165	64.523	.21480	20.848	358.08	.24039

#1	.07843	.02969	98.456	.02059	.00062	32.803	-.00068	.00247	5.8684
#2	.07817	.02988	98.306	.02115	.00166	32.903	-.00091	-.00570	5.8884

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0032	1.0522	-0.0012	-0.0093	.00015	*****	*****	.00169
Stddev	.00076	.0019	.00028	.00166	.00007	----	----	.00021
%RSD	239.87	.18414	236.82	177.81	45.055	----	----	12.631

#1	.00022	1.0508	-.00032	.00024	.00019	3798.	12470.	.00184
#2	-.00086	1.0536	.00008	-.00211	.00010	3802.	12520.	.00154

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3311.9	4820.0	28267.	10390.
Stddev	8.0	5.6	42.	11.
%RSD	.24121	.11573	.14796	.10633

#1	3317.6	4824.0	28238.	10398.
#2	3306.3	4816.1	28297.	10382.

Sample Name: 480-28254-C-2-A Acquired: 11/13/2012 15:22:49 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0094	.00494	.00138	.0041	.0066	1.1083	.08068	-0.0010	19.836
Stddev	.00058	.00174	.00183	.0005	.0034	.0008	.00003	.00001	.060
%RSD	62.353	35.143	133.08	11.52	51.61	.07506	.03526	6.8172	.30080

#1	-.00135	.00617	.00008	.0045	.0090	1.1077	.08070	-.00011	19.878
#2	-.00052	.00371	.00267	.0038	.0042	1.1089	.08066	-.00010	19.794

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	-0.0009	-0.00088	.00219	.16261	1.5154	2.1399	.01031	8.1315
Stddev	.00000	.00016	.00010	.00032	.000274	.0002	.0110	.00102	.0064
%RSD	.75800	185.04	11.581	14.641	1.6829	.01051	.51196	9.8736	.07829

#1	.00004	.00003	-.00080	.00242	.16068	1.5155	2.1477	.01103	8.1270
#2	.00004	-.00020	-.00095	.00197	.16455	1.5152	2.1322	.00959	8.1360

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02901	.01543	173.66	.00008	.00022	1.5293	.00059	.00076	6.1662
Stddev	.00006	.00005	.51	.00006	.00044	.0075	.00023	.00063	.0178
%RSD	.20027	.29279	.29447	75.874	205.73	.49010	38.616	82.434	.28809

#1	.02897	.01540	174.02	.00004	.00053	1.5240	.00043	.00032	6.1787
#2	.02905	.01546	173.30	.00013	-.00010	1.5346	.00075	.00120	6.1536

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0051	.57252	-0.00090	-0.0106	.00039	*****	*****	.00171
Stddev	.00061	.00228	.00061	.00060	.00039	----	----	.00019
%RSD	120.33	.39749	68.100	56.783	99.835	----	----	11.148

#1	-.00008	.57412	-.00047	-.00149	.00066	3784.	12410.	.00158
#2	-.00094	.57091	-.00133	-.00064	.00011	3775.	12350.	.00185

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3253.3	4791.3	27905.	10276.
Stddev	.1	1.8	23.	21.
%RSD	.00454	.03742	.08288	.20782

#1	3253.4	4790.1	27922.	10291.
#2	3253.2	4792.6	27889.	10261.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.02594	.00089	.0031	.0019	2.3235	.17022	-.00003	29.501
Stddev	.00016	.01526	.00006	.0031	.0009	.0047	.00112	.00002	.066
%RSD	32.938	58.814	6.5380	98.49	48.38	.20240	.65721	62.244	.22242

#1	.00038	.03673	.00085	.0053	.0012	2.3202	.16943	-.00005	29.547
#2	.00062	.01515	.00093	.0010	.0025	2.3268	.17101	-.00002	29.454

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	-.00026	-.00057	.00242	.84027	3.2318	5.2638	.05264	15.464
Stddev	.00007	.00038	.00022	.00000	.00744	.0876	.0544	.00026	.091
%RSD	32.281	148.92	38.415	.15335	.88530	2.7095	1.0327	.49805	.59055

#1	.00017	-.00052	-.00073	.00242	.84553	3.2937	5.2253	.05283	15.400
#2	.00027	.00001	-.00042	.00242	.83501	3.1699	5.3022	.05246	15.529

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02151	.00954	303.48	.00055	.00046	.08535	.00058	-.00018	6.5669
Stddev	.00002	.00010	2.38	.00001	.00043	.01791	.00057	.00104	.0362
%RSD	.10269	1.0378	.78365	1.1229	92.182	20.980	98.570	579.12	.55128

#1	.02149	.00947	305.17	.00055	.00077	.07269	.00017	.00056	6.5925
#2	.02152	.00961	301.80	.00056	.00016	.09801	.00098	-.00092	6.5413

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00031	1.2240	.00026	-.00022	.00038	****	****	.00487
Stddev	.00020	.0112	.00002	.00233	.00047	----	----	.00009
%RSD	64.551	.91306	8.5968	1048.0	124.21	----	----	1.8335

#1	-.00017	1.2319	.00025	-.00187	.00005	3797.	12430.	.00481
#2	-.00046	1.2161	.00028	.00142	.00072	3806.	12490.	.00493

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3122.4	4721.2	27318.	10342.
Stddev	2.1	8.7	103.	37.
%RSD	.06588	.18490	.37737	.35634

#1	3123.8	4727.4	27391.	10316.
#2	3120.9	4715.1	27245.	10368.

Sample Name: 480-28254-C-4-A Acquired: 11/13/2012 15:27:30 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0015	.03641	.00316	.0017	.0003	2.3068	.03642	-0.0006	12.163
Stddev	.00048	.01060	.00194	.0026	.0005	.0009	.00013	.00005	.058
%RSD	321.07	29.112	61.359	156.6	182.2	.03855	.34786	83.400	.47545

#1	.00019	.04390	.00453	.0035	-.0001	2.3062	.03651	-.00010	12.204
#2	-.00048	.02891	.00179	-.0002	.0006	2.3074	.03633	-.00003	12.122

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	-0.00016	-0.00095	.00178	.01013	1.9082	2.8473	.01928	5.8971
Stddev	.00007	.00008	.00038	.00034	.00061	.0277	.0238	.00130	.0034
%RSD	47.111	48.454	39.757	18.970	5.9912	1.4533	.83558	6.7554	.05765

#1	.00018	-.00011	-.00068	.00202	.00970	1.9278	2.8641	.02020	5.8947
#2	.00009	-.00022	-.00122	.00154	.01056	1.8886	2.8305	.01836	5.8995

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00962	.02941	208.86	.00017	-0.00022	4.5737	-0.00044	.00012	5.8651
Stddev	.00003	.00006	.26	.00012	.00022	.0106	.00170	.00077	.0300
%RSD	.35153	.20373	.12665	68.555	97.196	.23272	385.52	635.71	.51097

#1	.00960	.02945	209.04	.00026	-.00007	4.5662	-.00164	-.00042	5.8439
#2	.00965	.02937	208.67	.00009	-.00037	4.5812	.00076	.00066	5.8863

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00037	.42313	-0.00025	-0.00225	.00073	*****	*****	.00173
Stddev	.00068	.00086	.00023	.00170	.00042	----	----	.00007
%RSD	184.65	.20214	88.993	75.656	58.028	----	----	4.0640

#1	-.00085	.42374	-.00041	-.00104	.00043	3727.	12290.	.00168
#2	.00011	.42253	-.00009	-.00345	.00103	3777.	12400.	.00178

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3226.4	4785.8	27641.	10274.
Stddev	2.4	.6	12.	63.
%RSD	.07458	.01173	.04340	.61293

#1	3228.2	4786.2	27650.	10230.
#2	3224.7	4785.4	27633.	10319.

Sample Name: 480-28254-C-5-A Acquired: 11/13/2012 15:29:49 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0038	.02924	.00383	.0035	.0044	1.1957	.05857	-0.0005	13.786
Stddev	.00074	.02000	.00085	.0001	.0009	.0024	.00004	.00006	.074
%RSD	191.32	68.390	22.161	4.181	20.60	.20458	.06401	113.57	.54035

#1	.00014	.01510	.00323	.0034	.0037	1.1940	.05860	-.00001	13.733
#2	-.00090	.04338	.00443	.0036	.0050	1.1975	.05854	-.00009	13.839

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-0.00018	-0.00010	.00152	.04574	1.8660	2.6330	.00707	4.9280
Stddev	.00007	.00008	.00000	.00027	.00041	.0003	.0225	.00062	.0242
%RSD	1262.2	43.315	2.5687	17.515	.88897	.01804	.85535	8.7110	.49174

#1	.00005	-.00013	-.00010	.00171	.04603	1.8658	2.6490	.00663	4.9109
#2	-.00004	-.00024	-.00010	.00133	.04546	1.8662	2.6171	.00750	4.9451

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02504	.12642	169.44	.00005	-0.00109	.22895	-0.00001	.00017	4.9130
Stddev	.00009	.00001	.13	.00012	.00229	.00473	.00039	.00121	.0430
%RSD	.36711	.00840	.07413	230.10	210.52	2.0642	2862.6	694.15	.87607

#1	.02511	.12643	169.35	-.00003	-.00271	.22561	.00026	.00103	4.8825
#2	.02498	.12641	169.53	.00014	.00053	.23229	-.00029	-.00068	4.9434

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00008	.56445	-0.00021	-0.00118	-0.00005	****	****	.00122
Stddev	.00002	.00043	.00044	.00051	.00042	----	----	.00024
%RSD	25.554	.07703	210.07	42.965	828.96	----	----	19.464

#1	-.00007	.56476	-.00052	-.00082	-.00035	3843.	12630.	.00105
#2	-.00010	.56414	.00010	-.00153	.00025	3792.	12460.	.00138

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3265.6	4811.3	28015.	10462.
Stddev	3.4	.3	24.	111.
%RSD	.10349	.00668	.08714	1.0564

#1	3263.2	4811.1	28032.	10540.
#2	3268.0	4811.6	27998.	10384.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0013	.00363	-0.0085	.0009	.0013	.82033	.01930	-0.0005	41.176
Stddev	.00045	.01007	.00240	.0002	.0008	.00271	.00008	.00008	.021
%RSD	353.29	277.12	280.69	28.40	60.46	.32984	.39783	138.51	.05044

#1	-.00044	.01075	.00084	.0007	.0007	.81842	.01936	.00000	41.191
#2	.00019	-.00349	-.00255	.0010	.0018	.82225	.01925	-.00011	41.161

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	-0.0021	-0.0058	.00233	.15419	1.9120	2.5185	.01820	22.301
Stddev	.00002	.00016	.00041	.00003	.00857	.0244	.0013	.00107	.070
%RSD	25.589	76.631	71.530	1.2006	5.5556	1.2764	.05334	5.9057	.31175

#1	.00008	-.00010	-.00028	.00235	.14814	1.8948	2.5194	.01744	22.351
#2	.00011	-.00032	-.00087	.00231	.16025	1.9293	2.5175	.01896	22.252

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03096	.01544	112.22	.00012	.00025	34.696	-0.0004	-0.00186	6.3451
Stddev	.00021	.00004	.03	.00015	.00060	.072	.00071	.00301	.0311
%RSD	.68736	.28519	.02774	124.38	238.17	.20805	1725.1	161.83	.49028

#1	.03111	.01541	112.20	.00023	.00068	34.747	-.00055	-.00399	6.3671
#2	.03081	.01547	112.25	.00001	-.00017	34.645	.00046	.00027	6.3231

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0022	.71919	.00038	-0.0055	.00022	*****	*****	.00112
Stddev	.00016	.00102	.00043	.00095	.00018	----	----	.00010
%RSD	71.477	.14137	113.09	173.40	81.775	----	----	8.9078

#1	-.00033	.71991	.00008	-.00123	.00009	3810.	12460.	.00105
#2	-.00011	.71847	.00068	.00012	.00034	3785.	12440.	.00119

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3283.6	4802.6	28003.	10381.
Stddev	1.0	12.4	23.	15.
%RSD	.02947	.25882	.08388	.14868

#1	3282.9	4811.4	28020.	10392.
#2	3284.3	4793.8	27987.	10371.

Sample Name: CCV Acquired: 11/13/2012 15:34:23 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49884	24.572	49214	5097	5006	50395	50146	49538	25.008	49905	48559	50067	49378
Stddev	.00145	.078	.00511	.0022	.0019	.00282	.00054	.00030	.012	.00143	.00175	.00170	.00157
%RSD	.29059	.31612	1.0381	.4285	.3787	.55879	.10848	.05999	.04872	.28683	.36077	.34031	.31728

#1	.49986	24.517	.49575	.5113	.5020	.50594	.50185	.49517	25.000	.50006	.48682	.50187	.49267
#2	.49781	24.627	.48853	.5082	.4993	.50196	.50108	.49559	25.017	.49804	.48435	.49946	.49489

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.579	24.821	25.432	49137	23.952	49773	49704	25.053	48996	49011	24.814	51236	50046
Stddev	.035	.013	.151	.00009	.055	.00187	.00133	.042	.00265	.00347	.085	.00134	.00031
%RSD	.14040	.05175	.59477	.01892	.22789	.37544	.26748	.16744	.54047	.70890	.34319	.26222	.06183

#1	24.554	24.812	25.539	.49144	23.991	.49905	.49798	25.024	.49183	.49257	24.874	.51331	.50067
#2	24.603	24.830	25.325	.49131	23.913	.49641	.49610	25.083	.48809	.48766	24.754	.51141	.50024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	25.013	49709	50431	49487	49156	48955	z *****	z *****	49639
Stddev	.129	.00013	.00035	.00091	.00437	.00114	-----	-----	.00369
%RSD	.51693	.02559	.06987	.18407	.88846	.23217	-----	-----	.74262

#1	24.921	.49718	.50406	.49551	.49464	.48875	z 3763.	z 12340.	.49900
#2	25.104	.49700	.50456	.49422	.48847	.49035	z 3747.	z 12310.	.49379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3341.4	4912.1	28413.	10245.
Stddev	6.7	14.6	60.	13.
%RSD	.20018	.29665	.21061	.12367

#1	3336.7	4901.8	28371.	10254.
#2	3346.1	4922.4	28455.	10236.

Sample Name: CCB Acquired: 11/13/2012 15:36:34 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0005	-0.00204	-0.00100	.0015	.0000	.00124	.00004	-0.00003	.00640	.00003	-0.00002	.00016	.00084
Stddev	.00070	.01185	.00118	.0004	.000	.00025	.00001	.00010	.00178	.00001	.00004	.00011	.00010
%RSD	1380.8	580.33	117.64	24.05	.3946	20.427	31.313	341.85	27.821	20.266	220.63	65.761	12.403

#1	.00045	.00634	-0.0017	.0013	.0000	.00142	.00003	.00004	.00766	.00003	-0.00004	.00009	.00077
#2	-0.00055	-0.01042	-0.00184	.0018	.0000	.00106	.00004	-0.00010	.00514	.00004	.00001	.00024	.00092

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00041	.01485	.00281	.00007	.00743	.00000	.00051	.03661	.00028	.00009	.01146	-0.00037	-0.00192
Stddev	.00106	.00901	.00013	.00117	.00465	.0000	.00007	.00650	.00065	.00106	.00686	.00037	.00196
%RSD	258.63	60.671	4.6174	1685.1	62.528	843.08	13.032	17.754	236.31	1137.1	59.873	99.944	101.83

#1	.00116	.02121	.00272	.00090	.01072	-0.00002	.00046	.04120	.00073	-0.00065	.01631	-0.00062	-0.00330
#2	-0.00034	.00848	.00290	-0.00076	.00415	.00002	.00055	.03201	.00018	.00084	.00661	-0.00011	-0.00054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00029	-0.00039	.00007	-0.00001	-0.00153	.00021	z *****	z *****	.00218
Stddev	.00740	.00002	.00003	.00016	.00118	.00002	z *****	z *****	.00066
%RSD	2512.1	5.5830	41.605	2281.0	77.248	9.6149	z *****	z *****	30.049

#1	.00553	-0.00040	.00005	-0.00012	-0.00069	.00020	z 3756.	z 12340.	.00265
#2	-0.00494	-0.00037	.00009	.00010	-0.00236	.00023	z 3731.	z 12240.	.00172

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3570.1	4959.4	29159.	10234.
Stddev	10.2	6.4	66.	39.
%RSD	.28641	.12842	.22520	.38154

#1	3562.9	4954.9	29113.	10261.
#2	3577.3	4963.9	29206.	10206.

Sample Name: 480-28254-C-7-A Acquired: 11/13/2012 15:38:52 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0042	.00604	.00243	.0030	.0018	.71803	.08081	-0.0005	32.621
Stddev	.00076	.00936	.00200	.0012	.0005	.00301	.00010	.00003	.084
%RSD	179.64	155.00	82.432	40.10	26.09	.41899	.12980	65.116	.25675

#1	-0.00096	.01266	.00385	.0022	.0015	.71591	.08073	-0.00007	32.680
#2	.00011	-0.00058	.00101	.0039	.0021	.72016	.08088	-0.00003	32.561

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0009	-0.0008	-0.0020	.00165	.23156	2.5191	3.2871	.02189	15.307
Stddev	.00001	.00011	.00013	.00036	.00086	.0050	.0055	.00084	.007
%RSD	10.620	139.71	62.507	21.962	.37123	.19776	.16575	3.8360	.04871

#1	-0.0008	.00000	-0.00029	.00139	.23217	2.5226	3.2833	.02248	15.301
#2	-0.00010	-0.00016	-0.00011	.00191	.23096	2.5156	3.2910	.02129	15.312

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02123	.00649	97.435	.00061	-0.00102	.17334	.00162	.00158	5.8884
Stddev	.00004	.00007	.400	.00004	.00103	.00262	.00013	.00570	.0023
%RSD	.18085	1.0420	.41009	5.7707	100.36	1.5089	8.0022	360.86	.03912

#1	.02121	.00644	97.717	.00063	-0.00175	.17519	.00153	-0.00245	5.8900
#2	.02126	.00654	97.152	.00058	-0.00030	.17149	.00171	.00561	5.8868

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0075	1.4529	.00010	.00047	-0.00050	*****	*****	.00575
Stddev	.00017	.0025	.00041	.00014	.00049	----	----	.00035
%RSD	22.822	.16917	399.32	28.606	96.738	----	----	6.0286

#1	-0.00063	1.4546	-0.00019	.00038	-0.00085	3816.	12540.	.00599
#2	-0.00087	1.4512	.00040	.00057	-0.00016	3835.	12630.	.00550

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3344.0	4871.9	28436.	10465.
Stddev	4.4	6.9	25.	33.
%RSD	.13193	.14262	.08821	.31169

#1	3340.8	4876.8	28454.	10442.
#2	3347.1	4867.0	28419.	10488.

Sample Name: 480-28254-C-8-A Acquired: 11/13/2012 15:41:06 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.00464	.00026	.0009	.0024	4.1774	.13799	-.00013	18.301
Stddev	.00023	.00595	.00389	.0011	.0016	.0144	.00023	.00002	.053
%RSD	267.19	128.21	1509.4	126.2	67.72	.34376	.16772	12.842	.29049

#1	-.00008	.00884	-.00249	.0001	.0012	4.1875	.13815	-.00014	18.264
#2	.00024	.00043	.00301	.0016	.0035	4.1672	.13783	-.00012	18.339

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	-.00024	-.00081	.00248	.11909	4.5212	8.3560	.07864	9.0451
Stddev	.00017	.00020	.00007	.00010	.00301	.0209	.0373	.00025	.0028
%RSD	118.33	83.074	8.6730	3.9883	2.5264	.46194	.44656	.32413	.03097

#1	.00002	-.00010	-.00076	.00255	.12122	4.5064	8.3824	.07882	9.0470
#2	.00026	-.00038	-.00086	.00241	.11697	4.5360	8.3296	.07846	9.0431

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00699	.01129	516.00	.00030	.00078	.63768	-.00142	.00155	4.4334
Stddev	.00001	.00022	.99	.00013	.00042	.00198	.00100	.00138	.0096
%RSD	.12234	1.9452	.19146	45.082	53.753	.30976	70.682	89.035	.21675

#1	.00700	.01113	515.30	.00020	.00108	.63908	-.00071	.00057	4.4266
#2	.00699	.01144	516.69	.00039	.00048	.63628	-.00213	.00253	4.4402

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00021	.78948	-.00015	.00063	-.00004	****	****	.00105
Stddev	.00124	.00174	.00043	.00122	.00015	----	----	.00031
%RSD	596.29	.22075	297.85	194.93	395.94	----	----	29.211

#1	-.00067	.78825	.00016	-.00024	.00007	3804.	12460.	.00084
#2	.00109	.79071	-.00045	.00149	-.00014	3800.	12410.	.00127

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3031.2	4647.5	26717.	10329.
Stddev	3.7	3.2	72.	27.
%RSD	.12101	.06942	.26823	.26618

#1	3033.8	4649.8	26666.	10348.
#2	3028.6	4645.2	26767.	10310.

Sample Name: 480-28254-C-9-A Acquired: 11/13/2012 15:43:31 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0013	.00824	-0.00135	.0037	.0017	1.0345	.07705	-0.0009	18.861
Stddev	.00050	.00554	.00035	.0003	.0021	.0035	.00002	.00000	.002
%RSD	393.40	67.241	25.606	8.380	123.6	.33554	.03141	3.5933	.00913

#1	.00023	.01215	-.00159	.0035	.0033	1.0321	.07707	-.00009	18.862
#2	-.00048	.00432	-.00111	.0040	.0002	1.0370	.07703	-.00008	18.860

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	-0.0025	-0.0022	.00124	.05810	1.4679	2.0659	.01127	8.1057
Stddev	.00006	.00010	.00012	.00027	.00111	.0030	.0057	.00008	.0066
%RSD	116.86	40.346	54.269	21.533	1.9089	.20695	.27746	.74677	.08143

#1	.00009	-.00018	-.00030	.00105	.05889	1.4701	2.0700	.01121	8.1010
#2	.00001	-.00032	-.00014	.00143	.05732	1.4658	2.0619	.01133	8.1103

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02863	.00828	160.23	.00018	-0.00060	.21817	-0.0004	-0.00072	5.9616
Stddev	.00016	.00004	.45	.00021	.00137	.00081	.00049	.00127	.0238
%RSD	.55002	.52434	.28264	112.26	226.93	.37032	1099.2	174.95	.39915

#1	.02852	.00831	160.55	.00033	.00036	.21760	.00030	.00017	5.9784
#2	.02875	.00825	159.91	.00004	-.00157	.21874	-.00039	-.00162	5.9448

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00037	.47990	-0.00045	-0.00179	.00036	*****	*****	.00086
Stddev	.00072	.00123	.00036	.00030	.00059	----	----	.00056
%RSD	194.52	.25561	80.615	16.840	161.59	----	----	64.994

#1	.00088	.48077	-.00019	-.00201	.00078	3806.	12480.	.00046
#2	-.00014	.47903	-.00071	-.00158	-.00005	3796.	12510.	.00126

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3259.4	4799.9	27946.	10409.
Stddev	.8	5.0	17.	17.
%RSD	.02582	.10354	.05986	.16199

#1	3258.8	4803.5	27935.	10397.
#2	3260.0	4796.4	27958.	10420.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.01910	.00586	.0092	.0085	.75874	.06947	-.00008	18.633
Stddev	.0011	.00104	.00217	.0015	.0005	.00595	.00016	.00002	.053
%RSD	98267.	5.4401	37.045	16.49	5.677	.78359	.23500	23.493	.28286

#1	-.00079	.01836	.00432	.0081	.0082	.75454	.06935	-.00006	18.596
#2	.00079	.01983	.00739	.0103	.0088	.76295	.06958	-.00009	18.671

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00084	.00080	-.00007	.00167	.12242	1.2653	1.7573	.00891	7.7215
Stddev	.00105	.00099	.00026	.00028	.00069	.0348	.0051	.00125	.0207
%RSD	125.12	123.78	394.34	16.963	.56365	2.7513	.28828	14.050	.26831

#1	.00010	.00010	-.00025	.00147	.12291	1.2407	1.7609	.00980	7.7068
#2	.00158	.00149	.00012	.00187	.12194	1.2900	1.7537	.00803	7.7361

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02071	.16573	152.63	.00096	.00068	.29837	.00183	.00011	5.3300
Stddev	.00005	.00201	.36	.00122	.00170	.16670	.00015	.00155	.0109
%RSD	.25081	1.2134	.23288	127.54	249.77	55.870	8.4356	1462.4	.20515

#1	.02067	.16715	152.38	.00009	-.00052	.18050	.00172	-.00099	5.3223
#2	.02074	.16431	152.89	.00182	.00188	.41624	.00193	.00120	5.3377

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00087	.75076	.00026	.00116	.00001	****	****	.00246
Stddev	.00100	.00379	.00009	.00027	.00004	----	----	.00010
%RSD	114.43	.50497	32.433	23.180	457.59	----	----	3.9460

#1	.00017	.74808	.00032	.00136	-.00002	3813.	12590.	.00253
#2	.00157	.75344	.00020	.00097	.00004	3835.	12660.	.00239

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3259.9	4812.4	28064.	10528.
Stddev	17.5	31.7	119.	5.
%RSD	.53685	.65859	.42286	.04472

#1	3272.2	4834.8	28148.	10531.
#2	3247.5	4790.0	27980.	10525.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	-0.00501	.00274	.0026	.0021	.42901	.01212	-0.00005	359.09
Stddev	.00055	.00373	.00443	.0001	.0036	.00025	.00006	.00014	7.06
%RSD	5827.9	74.347	161.86	4.384	166.6	.05759	.53568	290.66	1.9655

#1	.00040	-.00238	.00587	.0025	.0047	.42918	.01208	.00005	364.09
#2	-.00038	-.00765	-.00040	.0027	-.0004	.42883	.01217	-.00015	354.10

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00035	.00000	.00207	.30503	4.6261	6.9673	.10596	193.84
Stddev	.00006	.00015	.0002	.00012	.00274	.0588	.0043	.00141	.06
%RSD	18.388	43.252	4798.0	5.7933	.89873	1.2712	.06242	1.3288	.02994

#1	.00027	.00045	.00013	.00199	.30697	4.6677	6.9704	.10497	193.80
#2	.00035	.00024	-.00013	.00216	.30309	4.5845	6.9642	.10696	193.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.58843	.01289	104.41	.00175	-0.00030	515.26	-0.00124	-0.00119	9.6561
Stddev	.00006	.00007	.75	.00014	.00088	.28	.00024	.00325	.0742
%RSD	.00986	.51511	.71797	8.2226	297.99	.05436	19.746	273.63	.76839

#1	.58847	.01284	104.94	.00165	.00033	515.46	-.00106	.00111	9.7086
#2	.58839	.01293	103.88	.00185	-.00092	515.06	-.00141	-.00349	9.6037

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00001	4.8073	.00094	-0.00212	.00053	*****	*****	.00344
Stddev	.00033	.0324	.00060	.00038	.00043	----	----	.00019
%RSD	3794.1	.67472	63.585	17.812	81.338	----	----	5.6145

#1	.00023	4.8302	.00052	-.00238	.00022	3585.	11690.	.00330
#2	-.00024	4.7844	.00137	-.00185	.00083	3615.	11830.	.00357

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2951.2	4459.3	26094.	9776.1
Stddev	.5	4.5	38.	119.3
%RSD	.01824	.10031	.14667	1.2199

#1	2950.8	4456.2	26121.	9691.8
#2	2951.6	4462.5	26067.	9860.5

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0020	.01600	-0.0003	.0018	.0007	.73178	.02530	-0.0008	37.735
Stddev	.00014	.00084	.00009	.0024	.0016	.00205	.00003	.00004	.111
%RSD	72.188	5.2762	293.08	135.7	235.8	.28068	.09988	46.284	.29512

#1	-0.0010	.01541	-0.0009	.0035	.0018	.73323	.02528	-0.0005	37.814
#2	-0.0030	.01660	.00003	.0001	-0.0005	.73032	.02532	-0.0011	37.657

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0014	.00074	-0.0011	.00209	.05929	1.6069	2.0829	.00963	18.476
Stddev	.00003	.00004	.00028	.00031	.00157	.0185	.0116	.00020	.013
%RSD	24.455	5.5536	262.87	14.724	2.6434	1.1496	.55606	2.0880	.07227

#1	-0.0016	.00077	.00009	.00231	.05818	1.6200	2.0748	.00949	18.467
#2	-0.0011	.00071	-0.00030	.00187	.06040	1.5938	2.0911	.00977	18.485

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08169	.02968	98.567	.02117	-0.00096	33.019	.00129	.00012	5.8806
Stddev	.00015	.00013	.384	.00031	.00107	.012	.00120	.00143	.0071
%RSD	.18120	.43338	.38918	1.4655	110.89	.03733	92.973	1239.5	.12080

#1	.08179	.02959	98.838	.02139	-0.00171	33.027	.00044	.00113	5.8756
#2	.08158	.02977	98.296	.02095	-0.00021	33.010	.00214	-0.00090	5.8857

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0017	1.0554	.00003	-0.00097	.00008	****	****	.00212
Stddev	.00031	.0013	.00054	.00004	.00022	----	----	.00034
%RSD	185.88	.12016	1744.4	4.2350	264.13	----	----	16.135

#1	.00005	1.0563	-0.00035	-0.00094	.00024	3801.	12490.	.00237
#2	-0.00039	1.0545	.00041	-0.00099	-0.00007	3774.	12430.	.00188

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3317.5	4831.6	28238.	10364.
Stddev	2.8	2.9	2.	10.
%RSD	.08398	.05995	.00802	.09619

#1	3315.6	4833.7	28237.	10371.
#2	3319.5	4829.6	28240.	10357.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0027	.00945	.00051	.0026	.0026	3.3391	.05908	-0.0003	7.6868
Stddev	.00015	.02267	.00302	.0013	.0032	.0126	.00035	.00007	.0835
%RSD	53.556	239.87	597.93	50.21	123.7	.37710	.58905	263.18	1.0860

#1	-0.0038	.02548	.00264	.0017	.0003	3.3480	.05883	.00002	7.7459
#2	-0.0017	-.00658	-.00163	.0035	.0049	3.3302	.05932	-.00008	7.6278

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.00002	-.00083	.00157	.14965	3.3474	5.3817	.04609	3.7233
Stddev	.00009	.00006	.00044	.00007	.00424	.0172	.0132	.00121	.0060
%RSD	295.76	419.75	52.736	4.5275	2.8317	.51303	.24506	2.6187	.16065

#1	.00009	-.00003	-.00052	.00162	.15265	3.3595	5.3910	.04694	3.7191
#2	-.00003	.00006	-.00114	.00152	.14665	3.3352	5.3723	.04523	3.7275

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00432	.11172	306.10	.00046	-.00028	.03779	.00027	-.00059	5.0543
Stddev	.00005	.00029	1.67	.00024	.00122	.00241	.00127	.00075	.0467
%RSD	1.0992	.25662	.54604	50.641	434.70	6.3873	460.77	127.25	.92367

#1	.00435	.11193	307.28	.00030	.00058	.03608	.00117	-.00006	5.0874
#2	.00429	.11152	304.91	.00063	-.00114	.03950	-.00062	-.00112	5.0213

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00045	.26410	-.00006	-.00045	-.00018	*****	*****	.00202
Stddev	.00042	.00140	.00021	.00014	.00008	----	----	.00011
%RSD	93.883	.52828	362.35	30.251	44.170	----	----	5.2248

#1	.00075	.26509	-.00021	-.00035	-.00013	3782.	12400.	.00210
#2	.00015	.26312	.00009	-.00055	-.00024	3820.	12510.	.00195

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3162.4	4766.4	27372.	10392.
Stddev	2.8	10.5	2.	76.
%RSD	.08784	.22099	.00580	.73366

#1	3164.3	4759.0	27371.	10338.
#2	3160.4	4773.9	27373.	10446.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0067	-0.0112	.00222	.0037	.0030	.86194	.05801	-0.0007	16.713
Stddev	.00085	.00866	.00078	.0023	.0031	.00387	.00004	.00004	1.995
%RSD	126.38	773.42	34.918	60.77	101.0	.44884	.07745	60.729	11.939

#1	-0.0007	-0.0725	.00277	.0021	.0009	.85920	.05804	-0.0010	18.124
#2	-0.0127	.00501	.00167	.0053	.0052	.86467	.05798	-0.0004	15.302

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	-0.0015	.00033	.00198	.35994	1.1911	1.3829	.00849	5.7671
Stddev	.00006	.00002	.00006	.00031	.00742	.0173	.0013	.00150	.0094
%RSD	80.707	14.787	16.927	15.858	2.0622	1.4533	.09622	17.660	.16267

#1	-0.0003	-0.0017	.00037	.00176	.35469	1.2033	1.3820	.00955	5.7737
#2	-0.0012	-0.0014	.00029	.00220	.36519	1.1788	1.3839	.00743	5.7604

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01593	.09513	104.60	-0.0024	-0.0019	.04098	-0.0036	-0.0142	5.8149
Stddev	.00003	.00071	.11	.00041	.00065	.00067	.00265	.00128	.0356
%RSD	.20309	.74304	.10979	171.25	332.70	1.6268	744.53	89.864	.61258

#1	.01591	.09463	104.68	.00005	-0.0065	.04050	.00152	-0.0052	5.7897
#2	.01596	.09563	104.52	-0.0053	.00026	.04145	-0.00223	-0.00232	5.8401

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00038	.46040	-0.0026	-0.0025	.00033	*****	*****	.00113
Stddev	.00019	.02819	.00007	.00011	.00030	----	----	.00082
%RSD	50.474	6.1222	26.211	42.600	92.392	----	----	73.020

#1	.00025	.48033	-0.00031	-0.00017	.00011	3831.	12570.	.00171
#2	.00052	.44047	-0.00021	-0.00032	.00054	3751.	12310.	.00054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3319.4	4863.4	28155.	10348.
Stddev	3.1	13.2	57.	145.
%RSD	.09289	.27113	.20139	1.4012

#1	3321.6	4872.7	28195.	10450.
#2	3317.3	4854.1	28115.	10245.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0066	.00909	.00085	.0013	.0015	.12974	.12538	.00000	108.60
Stddev	.00014	.00979	.00336	.0023	.0040	.00001	.00088	.00013	.26
%RSD	21.437	107.70	394.09	174.0	264.7	.00811	.69841	3005.5	.23909

#1	-.00056	.00217	-.00153	.0029	.0043	.12973	.12476	.00010	108.41
#2	-.00076	.01601	.00323	-.0003	-.0013	.12974	.12600	-.00009	108.78

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	-0.0027	.00079	.00203	.55024	3.7478	4.5266	.01076	55.871
Stddev	.00021	.00022	.00045	.00005	.00771	.0191	.0827	.00136	.103
%RSD	289.77	83.386	56.994	2.5735	1.4017	.50832	1.8271	12.652	.18473

#1	-.00008	-.00011	.00047	.00206	.54479	3.7343	4.4681	.00980	55.798
#2	.00023	-.00042	.00111	.00199	.55570	3.7613	4.5851	.01172	55.944

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17564	.00137	32.237	.00134	-0.00128	36.090	-0.00150	.00157	6.2905
Stddev	.00028	.00005	.114	.00019	.00047	.025	.00004	.00188	.0311
%RSD	.15747	3.3129	.35491	14.040	36.632	.06995	2.7539	120.12	.49360

#1	.17544	.00141	32.156	.00121	-.00161	36.108	-.00147	.00024	6.2685
#2	.17584	.00134	32.318	.00147	-.00095	36.072	-.00153	.00290	6.3124

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0062	.26544	.00025	-0.00143	.00006	*****	*****	.00434
Stddev	.00004	.00069	.00054	.00026	.00004	----	----	.00012
%RSD	6.2675	.26134	213.29	18.230	76.471	----	----	2.7376

#1	-.00064	.26495	.00063	-.00161	.00009	3736.	12230.	.00426
#2	-.00059	.26593	-.00013	-.00124	.00003	3739.	12210.	.00443

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3262.7	4740.6	27916.	10131.
Stddev	5.7	6.5	35.	33.
%RSD	.17400	.13606	.12500	.32510

#1	3266.7	4745.1	27941.	10155.
#2	3258.6	4736.0	27891.	10108.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0038	.00981	.00092	.0022	.0028	.02573	.02485	-0.0007	21.639
Stddev	.00037	.00139	.00292	.0004	.0021	.00065	.00001	.00001	.001
%RSD	98.294	14.137	316.87	18.10	74.96	2.5117	.03648	20.511	.00280

#1	-.00012	.00883	.00299	.0019	.0043	.02527	.02485	-.00006	21.639
#2	-.00064	.01079	-.00115	.0025	.0013	.02619	.02486	-.00008	21.639

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0013	.00010	-0.00036	.00124	.11046	.73149	.65166	.00174	10.822
Stddev	.00001	.00013	.00000	.00033	.00409	.00652	.00597	.00035	.013
%RSD	4.0047	123.82	.15234	26.753	3.7044	.89131	.91634	20.278	.11792

#1	-.00014	.00020	-.00036	.00148	.11335	.73610	.64744	.00149	10.831
#2	-.00013	.00001	-.00036	.00101	.10756	.72688	.65588	.00199	10.813

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03451	.00014	6.2236	.00004	-0.00103	6.7990	-0.00051	-0.00221	1.2230
Stddev	.00022	.00018	.0086	.00023	.00055	.0200	.00177	.00095	.0004
%RSD	.64084	126.62	.13906	569.09	53.467	.29485	348.10	42.764	.03652

#1	.03467	.00026	6.2175	.00020	-.00142	6.7848	-.00176	-.00154	1.2227
#2	.03436	.00001	6.2298	-.00012	-.00064	6.8132	.00074	-.00288	1.2234

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00058	.05235	-0.00039	-0.00039	.00050	*****	*****	.00083
Stddev	.00013	.00005	.00051	.00060	.00016	----	----	.00027
%RSD	22.725	.09082	132.54	155.14	31.412	----	----	32.176

#1	-.00068	.05238	-.00002	-.00081	.00062	3796.	12390.	.00064
#2	-.00049	.05232	-.00075	.00004	.00039	3782.	12380.	.00102

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3499.8	4946.3	29211.	10265.
Stddev	2.1	3.1	75.	3.
%RSD	.05953	.06312	.25723	.02938

#1	3498.3	4948.6	29158.	10267.
#2	3501.3	4944.1	29264.	10263.

Sample Name: CCV Acquired: 11/13/2012 16:01:53 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49168	24.272	48929	4972	4858	49684	48539	48927	25.151	49403	48577	50168	47601
Stddev	.00147	.053	.00332	.0030	.0025	.00058	.00142	.00058	.103	.00036	.00005	.00166	.00241
%RSD	.29874	.21926	.67759	.6118	.5178	.11582	.29242	.11932	.40836	.07191	.01100	.33079	.50632

#1	.49065	24.234	.49163	.4950	.4840	.49725	.48438	.48886	25.079	.49428	.48573	.50050	.47431
#2	.49272	24.310	.48694	.4993	.4876	.49644	.48639	.48968	25.224	.49378	.48580	.50285	.47772

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.709	24.278	24.137	47636	23.558	49122	49339	24.904	49157	49200	24.461	50572	49550
Stddev	.072	.023	.290	.00115	.065	.00026	.00056	.106	.00002	.00156	.031	.00025	.00401
%RSD	.28951	.09466	1.2019	.24100	.27397	.05238	.11438	.42392	.00411	.31669	.12787	.04957	.80857

#1	24.658	24.262	23.931	.47717	23.512	.49104	.49299	24.829	.49158	.49090	24.439	.50555	.49833
#2	24.759	24.294	24.342	.47555	23.604	.49141	.49379	24.978	.49155	.49310	24.483	.50590	.49266

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	25.069	50017	49917	48823	48780	48055	z *****	z *****	50172
Stddev	.158	.00092	.00135	.00074	.00094	.00093	-----	-----	.00082
%RSD	.63029	.18456	.27056	.15236	.19188	.19348	-----	-----	.16349

#1	24.957	.49952	.49822	.48771	.48846	.47989	z 3697.	z 12120.	.50114
#2	25.181	.50083	.50012	.48876	.48714	.48120	z 3678.	z 12020.	.50230

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3322.6	4910.7	28349.	9967.2
Stddev	.5	3.4	64.	74.7
%RSD	.01516	.06976	.22637	.74901

#1	3323.0	4908.2	28395.	10020.
#2	3322.2	4913.1	28304.	9914.4

Sample Name: CCB Acquired: 11/13/2012 16:04:10 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0021	.00039	.0029	.0035	.00070	.00002	-0.0006	.00573	-0.0004	.00003	-0.0007	.00149
Stddev	.00018	.02871	.00061	.0003	.0021	.00065	.00002	.00001	.00040	.00004	.00001	.00062	.00022
%RSD	1013.2	13679.	154.69	10.43	60.78	92.465	148.06	15.590	7.0415	112.78	25.815	840.14	14.833

#1	-0.0014	-.02051	-.00004	.0027	.0050	.00116	.00003	-.00005	.00602	-.00007	.00003	-.00052	.00165
#2	.00011	.02009	.00082	.0031	.0020	.00024	.00000	-.00006	.00545	-.00001	.00002	.00037	.00133

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00222	.02200	.00189	-.00017	.00043	.00000	.00006	.00998	.00000	.00080	-.00086	.00040	-.00032
Stddev	.00329	.01738	.00019	.00033	.00292	.00003	.00027	.00942	.0002	.00244	.00274	.00027	.00214
%RSD	148.09	79.005	10.231	198.14	684.29	2208.8	471.22	94.416	6633.4	306.87	318.70	68.730	673.78

#1	-.00010	.00971	.00175	.00007	-.00164	.00002	-.00014	.00332	.00015	-.00093	.00108	.00059	-.00183
#2	.00454	.03429	.00202	-.00040	.00249	-.00002	.00025	.01664	.00016	.00252	-.00279	.00020	.00120

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00665	-.00050	.00007	-.00003	.00028	.00039	z *****	z *****	.00258
Stddev	.00804	.00011	.00014	.00072	.00029	.00006	z *****	z *****	.00065
%RSD	120.94	22.238	214.81	2260.2	103.18	15.266	z *****	z *****	25.282

#1	.00096	-.00042	-.00003	.00048	.00008	.00043	z 3754.	z 12210.	.00304
#2	.01234	-.00058	.00016	-.00054	.00048	.00034	z 3737.	z 12150.	.00212

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3551.4	4948.6	29207.	10108.
Stddev	11.9	11.0	31.	5.
%RSD	.33418	.22151	.10586	.04833

#1	3543.0	4940.8	29229.	10112.
#2	3559.8	4956.3	29185.	10105.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05234	10.208	.22572	.2139	.2129	.35672	.32554	.20453	115.20
Stddev	.00052	.039	.01779	.0045	.0055	.02613	.00155	.00053	.23
%RSD	.99048	.38079	7.8801	2.081	2.578	7.3237	.47465	.26093	.20033

#1	.05270	10.181	.21314	.2108	.2090	.33825	.32444	.20415	115.36
#2	.05197	10.235	.23829	.2171	.2168	.37520	.32663	.20490	115.03

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22041	.21802	.20235	.20291	10.662	13.875	16.715	.21473	64.951
Stddev	.01640	.01647	.00058	.00061	.032	.062	.083	.00252	.285
%RSD	7.4407	7.5531	.28737	.30230	.29570	.44539	.49493	1.1757	.43918

#1	.20882	.20637	.20276	.20248	10.684	13.832	16.656	.21294	64.749
#2	.23201	.22966	.20194	.20334	10.639	13.919	16.773	.21651	65.153

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.37426	.22176	41.950	.21698	.21977	36.923	.22482	.21414	17.082
Stddev	.00239	.01660	.015	.01575	.01732	2.767	.01275	.01884	.017
%RSD	.63786	7.4848	.03630	7.2606	7.8822	7.4937	5.6726	8.7983	.10212

#1	.37257	.21002	41.940	.20584	.20752	34.966	.21580	.20082	17.070
#2	.37595	.23350	41.961	.22812	.23202	38.879	.23383	.22746	17.095

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.21393	.46962	.20429	.20624	.19867	*****	*****	.21641
Stddev	.01622	.00064	.00011	.01185	.00063	----	----	.00054
%RSD	7.5807	.13567	.05613	5.7438	.31858	----	----	.25077

#1	.20246	.46917	.20421	.19786	.19822	3758.	12300.	.21603
#2	.22539	.47007	.20438	.21462	.19912	3773.	12370.	.21679

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3053.8	4567.7	27820.	10253.
Stddev	188.4	282.1	82.	39.
%RSD	6.1700	6.1762	.29543	.38510

#1	3187.0	4767.2	27878.	10225.
#2	2920.5	4368.2	27762.	10281.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05174	9.9960	.20824	.2110	.2068	.33091	.32104	.20281	113.00
Stddev	.00059	.0424	.00168	.0036	.0005	.00036	.00138	.00071	.50
%RSD	1.1316	.42432	.80831	1.690	.2240	.10784	.43010	.34919	.44291

#1	.05215	9.9660	.20943	.2085	.2071	.33117	.32202	.20231	112.65
#2	.05132	10.026	.20705	.2135	.2065	.33066	.32007	.20331	113.36

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20555	.20194	.20305	.20056	10.492	13.642	16.125	.21061	63.433
Stddev	.00063	.00084	.00007	.00055	.062	.081	.032	.00064	.297
%RSD	.30839	.41621	.03280	.27267	.58761	.59385	.19924	.30375	.46856

#1	.20600	.20253	.20309	.20095	10.448	13.585	16.103	.21016	63.643
#2	.20510	.20135	.20300	.20017	10.535	13.699	16.148	.21106	63.223

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.36081	.20625	41.309	.20010	.20068	34.365	.21115	.20544	16.388
Stddev	.00210	.00031	.153	.00085	.00236	.141	.00352	.00378	.111
%RSD	.58305	.14851	.36923	.42615	1.1776	.41094	1.6657	1.8414	.67748

#1	.36230	.20647	41.201	.20071	.19901	34.464	.21364	.20812	16.310
#2	.35933	.20603	41.417	.19950	.20235	34.265	.20866	.20277	16.467

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.20397	.45723	.19313	.19320	.19373	****	****	.20987
Stddev	.00064	.00224	.00001	.00084	.00023	----	----	.00038
%RSD	.31492	.48982	.00705	.43279	.11688	----	----	.18196

#1	.20352	.45565	.19314	.19261	.19389	3772.	12400.	.20960
#2	.20443	.45882	.19312	.19379	.19357	3753.	12310.	.21014

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3188.9	4760.5	27880.	10260.
Stddev	1.8	2.7	47.	41.
%RSD	.05785	.05698	.16912	.40408

#1	3190.3	4758.6	27846.	10289.
#2	3187.6	4762.4	27913.	10230.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05242	10.088	.21035	.2116	.2083	.33470	.32735	.20448	116.56
Stddev	.00039	.002	.00106	.0016	.0040	.00118	.00186	.00034	.10
%RSD	.74309	.02416	.50543	.7405	1.924	.35176	.56852	.16633	.08606
#1	.05270	10.086	.21110	.2105	.2112	.33387	.32603	.20424	116.49
#2	.05215	10.090	.20959	.2128	.2055	.33554	.32866	.20472	116.63

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20748	.20382	.20587	.20187	10.629	13.810	16.273	.21244	65.526
Stddev	.00070	.00080	.00213	.00059	.002	.004	.050	.00007	.415
%RSD	.33660	.39263	1.0329	.29046	.01612	.02559	.30500	.03281	.63327
#1	.20797	.20438	.20437	.20145	10.630	13.812	16.238	.21239	65.232
#2	.20699	.20325	.20737	.20228	10.628	13.807	16.308	.21249	65.819

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.37021	.20768	42.417	.20074	.20481	35.470	.21431	.20821	16.657
Stddev	.00232	.00030	.107	.00044	.00128	.003	.00206	.00050	.040
%RSD	.62685	.14434	.25273	.22060	.62434	.00818	.96028	.24085	.24154
#1	.36856	.20746	42.341	.20105	.20391	35.468	.21286	.20785	16.685
#2	.37185	.20789	42.493	.20042	.20572	35.473	.21577	.20856	16.628

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.20505	.46746	.19615	.19428	.19766	****	****	.21309
Stddev	.00200	.00016	.00123	.00229	.00095	----	----	.00275
%RSD	.97422	.03336	.62516	1.1785	.47860	----	----	1.2919
#1	.20646	.46757	.19528	.19590	.19699	3762.	12340.	.21114
#2	.20363	.46735	.19702	.19266	.19833	3761.	12320.	.21503

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3193.0	4768.7	27871.	10252.
Stddev	5.1	6.2	115.	14.
%RSD	.15984	.13049	.41153	.13479
#1	3189.4	4773.1	27952.	10242.
#2	3196.6	4764.3	27790.	10262.

Sample Name: 480-28243-F-2-A Acquired: 11/13/2012 16:13:29 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.00988	.00214	.0049	.0051	.18381	.02638	.00001	71.528
Stddev	.00011	.01292	.00273	.0037	.0006	.00034	.00013	.00001	.008
%RSD	102.39	130.75	127.58	76.72	11.58	.18592	.49973	109.35	.01147

#1	.00003	.01902	.00407	.0075	.0047	.18357	.02647	.00001	71.534
#2	.00018	.00075	.00021	.0022	.0056	.18406	.02629	.00000	71.522

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00011	-.00064	.00231	.03600	3.9608	4.0577	.01821	22.960
Stddev	.00004	.00029	.00011	.00023	.00084	.0105	.0091	.00113	.057
%RSD	18.153	265.22	16.997	9.7986	2.3265	.26578	.22333	6.2100	.24723

#1	.00025	.00032	-.00056	.00215	.03541	3.9533	4.0641	.01741	23.000
#2	.00020	-.00010	-.00071	.00247	.03659	3.9682	4.0513	.01901	22.920

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01005	.01123	5.3262	.00131	-.00103	46.814	-.00082	-.00035	17.462
Stddev	.00015	.00012	.0081	.00003	.00126	.080	.00131	.00041	.001
%RSD	1.5315	1.0319	.15202	2.3056	121.60	.16993	159.84	117.64	.00349

#1	.00994	.01132	5.3204	.00133	-.00192	46.758	.00011	-.00006	17.462
#2	.01016	.01115	5.3319	.00129	-.00014	46.870	-.00174	-.00064	17.462

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00008	.21533	-.00021	-.00090	.00168	****	****	.00265
Stddev	.00078	.00059	.00017	.00006	.00016	----	----	.00008
%RSD	920.24	.27441	82.109	6.9644	9.3633	----	----	3.1908

#1	.00063	.21491	-.00009	-.00085	.00157	3803.	12460.	.00259
#2	-.00047	.21575	-.00033	-.00094	.00179	3801.	12440.	.00271

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3399.0	4861.9	28739.	10347.
Stddev	2.5	4.6	28.	8.
%RSD	.07237	.09505	.09756	.08127

#1	3397.3	4865.2	28719.	10353.
#2	3400.7	4858.6	28759.	10341.

Sample Name: 480-28243-F-3-A Acquired: 11/13/2012 16:15:44 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0064	.01343	.00212	.0010	.0004	.68485	.10051	-0.0003	115.24
Stddev	.00008	.00364	.00092	.0009	.0015	.00032	.00055	.00003	.13
%RSD	12.699	27.103	43.368	89.07	341.5	.04607	.55209	112.52	.11477

#1	-.00058	.01086	.00277	.0004	-.0006	.68508	.10012	-.00005	115.34
#2	-.00070	.01600	.00147	.0017	.0015	.68463	.10090	-.00001	115.15

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.00241	-.00031	.00593	.09549	2.5920	3.1933	.01350	56.883
Stddev	.00013	.00010	.00023	.00045	.00107	.0231	.0477	.00057	.288
%RSD	55.865	4.0132	74.889	7.5119	1.1237	.89234	1.4946	4.1996	.50588

#1	.00014	.00234	-.00048	.00562	.09625	2.5756	3.1596	.01310	56.680
#2	.00033	.00248	-.00015	.00625	.09474	2.6083	3.2271	.01390	57.087

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06192	.01794	35.363	.01686	.00078	80.963	.00017	-.00067	4.1753
Stddev	.00001	.00017	.007	.00003	.00107	.063	.00059	.00081	.0084
%RSD	.01647	.94662	.01890	.18704	136.19	.07729	351.87	121.79	.20146

#1	.06193	.01806	35.368	.01684	.00154	81.007	.00058	-.00009	4.1812
#2	.06192	.01782	35.358	.01689	.00003	80.919	-.00025	-.00124	4.1693

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00057	1.4248	.00056	-.00204	.00050	*****	*****	.01971
Stddev	.00041	.0007	.00036	.00070	.00005	----	----	.00022
%RSD	71.529	.04846	63.218	34.315	10.850	----	----	1.1189

#1	-.00028	1.4253	.00081	-.00253	.00054	3745.	12270.	.01986
#2	-.00087	1.4243	.00031	-.00154	.00046	3758.	12330.	.01955

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3241.1	4717.3	28036.	10222.
Stddev	.5	.9	24.	29.
%RSD	.01491	.01875	.08652	.28663

#1	3241.5	4717.9	28054.	10201.
#2	3240.8	4716.7	28019.	10243.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.03059	.00195	.0054	.0043	.15545	.13383	-.00003	121.88
Stddev	.00026	.00506	.00099	.0007	.0015	.00023	.00010	.00001	.13
%RSD	1024.4	16.540	50.953	12.60	35.23	.14969	.07532	21.504	.10976

#1	-.00016	.02702	.00265	.0050	.0053	.15528	.13376	-.00004	121.98
#2	.00021	.03417	.00125	.0059	.0032	.15561	.13390	-.00003	121.79

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	-.00013	-.00041	.00237	4.2999	2.5336	3.1354	.01905	70.562
Stddev	.00008	.00005	.00010	.00026	.0418	.0032	.0077	.00066	.035
%RSD	60.786	35.448	24.136	10.847	.97104	.12669	.24555	3.4853	.05014

#1	.00020	-.00017	-.00048	.00218	4.3295	2.5358	3.1300	.01952	70.587
#2	.00008	-.00010	-.00034	.00255	4.2704	2.5313	3.1409	.01858	70.537

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09222	.00673	30.501	.00342	-.00072	36.237	-.00045	.00200	10.539
Stddev	.00041	.00006	.038	.00001	.00061	.037	.00001	.00196	.023
%RSD	.44094	.90909	.12436	.36819	85.267	.10217	2.3670	98.404	.21573

#1	.09251	.00678	30.528	.00341	-.00115	36.211	-.00046	.00061	10.555
#2	.09193	.00669	30.475	.00343	-.00028	36.263	-.00044	.00338	10.523

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00013	.43248	.00128	-.00268	-.00005	****	****	.00292
Stddev	.00059	.00009	.00020	.00002	.00022	----	----	.00028
%RSD	453.01	.02131	15.279	.68178	407.01	----	----	9.6879

#1	-.00055	.43241	.00114	-.00266	-.00021	3793.	12450.	.00312
#2	.00029	.43254	.00142	-.00269	.00010	3799.	12410.	.00272

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3217.2	4714.0	27895.	10337.
Stddev	5.8	2.4	57.	1.
%RSD	.18020	.05076	.20319	.01198

#1	3213.1	4715.7	27855.	10336.
#2	3221.3	4712.3	27936.	10338.

Sample Name: 480-28243-F-5-A Acquired: 11/13/2012 16:20:11 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0064	.00087	.00035	.0033	-0.0009	.31035	.15941	-0.0005	92.328
Stddev	.00026	.00670	.00336	.0007	.0019	.00028	.00012	.00003	.291
%RSD	41.101	768.31	965.33	22.62	211.4	.08945	.07385	48.823	.31509

#1	-.00046	.00561	.00273	.0038	.0004	.31054	.15933	-.00007	92.122
#2	-.00083	-.00386	-.00203	.0027	-.0022	.31015	.15950	-.00004	92.533

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	-0.0003	-0.00046	.00163	1.4088	1.7910	2.3180	.01681	58.732
Stddev	.00001	.00001	.00001	.00024	.0092	.0121	.0141	.00081	.084
%RSD	16.133	51.856	2.1579	14.737	.65638	.67750	.60702	4.8394	.14311

#1	.00006	-.00002	-.00047	.00180	1.4023	1.7824	2.3081	.01738	58.791
#2	.00005	-.00004	-.00046	.00146	1.4153	1.7996	2.3280	.01623	58.672

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01307	.00172	60.816	.00000	-0.00183	.03992	.00024	-0.00097	9.5659
Stddev	.00010	.00021	.423	.0004	.00191	.00341	.00073	.00058	.0445
%RSD	.73631	12.471	.69619	12705.	104.11	8.5419	300.93	59.426	.46469

#1	.01314	.00157	60.517	.00028	-.00318	.03751	.00076	-.00138	9.5344
#2	.01300	.00187	61.116	-.00028	-.00048	.04234	-.00027	-.00056	9.5973

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00061	1.2683	-0.00030	-0.00052	.00011	*****	*****	.00133
Stddev	.00031	.0060	.00054	.00092	.00076	----	----	.00008
%RSD	50.215	.47153	179.65	177.10	712.96	----	----	5.7142

#1	-.00039	1.2641	-.00068	.00013	.00064	3793.	12440.	.00138
#2	-.00083	1.2725	.00008	-.00117	-.00043	3798.	12450.	.00127

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3226.0	4736.0	27918.	10345.
Stddev	8.5	11.2	92.	12.
%RSD	.26329	.23659	.33082	.11712

#1	3232.0	4743.9	27853.	10354.
#2	3220.0	4728.1	27983.	10337.

Sample Name: 480-28243-F-6-A Acquired: 11/13/2012 16:22:25 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0110	.04362	-0.0009	.0028	.0010	.17186	.09560	-0.0001	105.10
Stddev	.00012	.00399	.00184	.0004	.0011	.00048	.00011	.00011	.03
%RSD	10.863	9.1418	1955.0	14.45	107.8	.27893	.11878	1159.4	.03188

#1	-.00102	.04644	.00121	.0025	.0002	.17153	.09552	-.00009	105.08
#2	-.00119	.04080	-.00139	.0031	.0017	.17220	.09568	.00007	105.13

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	-0.0006	.00040	.00218	1.0465	2.3561	2.8579	.02136	69.607
Stddev	.00001	.00011	.00018	.00033	.0153	.0087	.0286	.00096	.042
%RSD	3.9964	183.03	44.992	15.017	1.4571	.36940	1.0016	4.4999	.06098

#1	.00029	.00002	.00053	.00195	1.0357	2.3500	2.8376	.02204	69.637
#2	.00027	-.00013	.00027	.00241	1.0573	2.3623	2.8781	.02068	69.577

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06028	.00461	27.264	.00055	.00028	40.718	.00254	-0.0084	8.9168
Stddev	.00030	.00030	.034	.00003	.00026	.115	.00004	.00071	.0261
%RSD	.49124	6.4625	.12519	6.1192	91.378	.28196	1.5558	84.158	.29275

#1	.06049	.00482	27.288	.00058	.00010	40.637	.00257	-.00034	8.8984
#2	.06007	.00440	27.240	.00053	.00046	40.800	.00251	-.00134	8.9353

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00060	.78341	.00043	-0.0063	.00004	*****	*****	.00127
Stddev	.00033	.00022	.00002	.00132	.00040	----	----	.00017
%RSD	55.321	.02819	5.7693	208.18	891.49	----	----	13.302

#1	.00083	.78357	.00041	.00030	.00033	3717.	12160.	.00139
#2	.00036	.78326	.00045	-.00157	-.00024	3674.	12010.	.00115

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3243.1	4718.6	27903.	10036.
Stddev	.8	6.6	52.	78.
%RSD	.02344	.13929	.18639	.77824

#1	3242.6	4723.2	27940.	10092.
#2	3243.6	4713.9	27867.	9981.1

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.01115	.00066	-.0005	.0040	-.00005	.00003	-.00011	.04347
Stddev	.00014	.01769	.00121	.0016	.0001	.00005	.00002	.00005	.00285
%RSD	61.297	158.64	183.73	351.3	1.376	108.48	62.597	47.549	6.5472

#1	.00032	.02366	-.00020	-.0016	.0039	-.00001	.00001	-.00015	.04548
#2	.00013	-.00136	.00152	.0007	.0040	-.00009	.00004	-.00008	.04146

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	-.00009	-.00032	.00152	.00205	.00757	.00144	.00021	.01359
Stddev	.00008	.00014	.00043	.00000	.00335	.01110	.00036	.00005	.00399
%RSD	66.657	154.69	135.13	.27012	163.58	146.67	24.949	22.611	29.320

#1	-.00017	-.00018	-.00063	.00152	-.00032	-.00028	.00169	.00025	.01078
#2	-.00006	.00001	-.00001	.00152	.00442	.01541	.00119	.00018	.01641

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00015	.00006	-.03057	-.00004	-.00133	.00497	-.00066	.00178	-.00812
Stddev	.00004	.00000	.01175	.00078	.00036	.00022	.00119	.00248	.01314
%RSD	25.287	7.3090	38.430	2116.0	26.840	4.5063	180.40	139.42	161.75

#1	-.00013	.00006	-.03888	.00052	-.00108	.00513	-.00150	.00003	-.01742
#2	-.00018	.00005	-.02227	-.00059	-.00158	.00481	.00018	.00354	.00117

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00052	.00027	-.00024	.00048	-.00020	F *****	*****	.00173
Stddev	.00007	.00004	.00026	.00042	.00023	----	----	.00006
%RSD	13.469	13.596	111.27	86.906	115.14	----	----	3.5039

#1	-.00057	.00030	-.00005	.00077	-.00004	3885.	12720.	.00177
#2	-.00047	.00025	-.00042	.00018	-.00036	3891.	12750.	.00169

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						12.00		
Low Limit						8.000		

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3643.6	5037.2	30044.	10649.
Stddev	1.5	5.5	57.	33.
%RSD	.04028	.10909	.18830	.30588

#1	3644.6	5041.1	30084.	10626.
#2	3642.5	5033.3	30004.	10672.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04926	9.6106	.20038	.2085	.2070	.20256	.19856	.19541	9.6132
Stddev	.00057	.0207	.00032	.0016	.0054	.00116	.00062	.00010	.0087
%RSD	1.1552	.21509	.16021	.7565	2.591	.57460	.30995	.04932	.09060

#1	.04886	9.6252	.20015	.2074	.2032	.20338	.19900	.19534	9.6194
#2	.04966	9.5960	.20060	.2096	.2108	.20174	.19813	.19547	9.6071

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19764	.19253	.19611	.19687	9.6985	9.6092	9.3694	.19216	9.4751
Stddev	.00059	.00099	.00046	.00120	.0158	.0164	.0879	.00045	.0373
%RSD	.29722	.51598	.23482	.61204	.16317	.17051	.93818	.23210	.39360

#1	.19805	.19182	.19578	.19772	9.7097	9.5976	9.3072	.19248	9.5014
#2	.19722	.19323	.19643	.19602	9.6873	9.6208	9.4315	.19185	9.4487

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18986	.19993	9.7298	.18943	.19086	.00178	.20550	.19469	9.8627
Stddev	.00063	.00032	.0162	.00018	.00060	.00192	.00051	.00148	.0026
%RSD	.33080	.15798	.16615	.09450	.31460	107.82	.24835	.76182	.02674

#1	.19030	.19970	9.7183	.18955	.19044	.00314	.20514	.19364	9.8608
#2	.18941	.20015	9.7412	.18930	.19129	.00042	.20586	.19574	9.8646

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.18910	.19847	.18556	.18861	.18771	*****	*****	.20024
Stddev	.00157	.00023	.00158	.00138	.00059	----	----	.00016
%RSD	.83200	.11672	.85376	.73399	.31235	----	----	.08097

#1	.18799	.19831	.18668	.18763	.18729	3896.	12860.	.20012
#2	.19022	.19863	.18444	.18959	.18812	3919.	12880.	.20035

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3514.2	4968.8	29663.	10746.
Stddev	2.0	9.2	14.	13.
%RSD	.05784	.18506	.04699	.12221

#1	3515.6	4962.3	29653.	10737.
#2	3512.7	4975.3	29672.	10756.

Sample Name: CCV Acquired: 11/13/2012 16:29:14 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49254	23.942	49511	5065	4967	50263	49213	48231	24.169	49784	48190	48935	48669
Stddev	.00012	.081	.00060	.0010	.0005	.00481	.00149	.00016	.022	.00182	.00093	.00133	.00264
%RSD	.02476	.33923	.12183	.1893	.1071	.95689	.30244	.03331	.08950	.36461	.19319	.27126	.54261

#1	.49263	23.999	.49468	.5072	.4970	.50603	.49108	.48219	24.154	.49912	.48124	.48841	.48482
#2	.49246	23.884	.49554	.5058	.4963	.49923	.49318	.48242	24.185	.49655	.48256	.49029	.48856

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.077	24.277	25.074	48326	23.096	48046	49812	24.869	48663	48598	24.772	51365	50196
Stddev	.035	.013	.192	.00050	.024	.00060	.00279	.031	.00045	.00321	.195	.00354	.00418
%RSD	.14666	.05508	.76569	.10261	.10437	.12451	.56034	.12532	.09200	.66106	.78618	.68883	.83219

#1	24.052	24.267	24.938	.48291	23.079	.48004	.50010	24.847	.48631	.48371	24.910	.51615	.50491
#2	24.102	24.286	25.210	.48361	23.113	.48088	.49615	24.891	.48694	.48826	24.635	.51115	.49900

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	24.502	49482	50104	48586	48925	47671	z *****	z *****	47331
Stddev	.004	.00250	.00053	.00062	.00210	.00171	-----	-----	.00014
%RSD	.01528	.50439	.10658	.12828	.42878	.35903	-----	-----	.03060

#1	24.505	.49305	.50066	.48630	.49073	.47550	z 3892.	z 12790.	.47321
#2	24.499	.49658	.50142	.48542	.48776	.47792	z 3881.	z 12770.	.47342

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3343.8	4893.9	29059.	10634.
Stddev	6.4	8.2	3.	12.
%RSD	.19015	.16722	.01021	.11644

#1	3348.3	4888.1	29061.	10643.
#2	3339.3	4899.7	29057.	10626.

Sample Name: CCB Acquired: 11/13/2012 16:31:24 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0067	.01060	.00274	-0.0006	.0040	-0.00115	.00006	-0.00006	.00609	-0.00003	-0.00011	-0.00039	.00139
Stddev	.00037	.00459	.00243	.0005	.0006	.00012	.00003	.00000	.00179	.00021	.00004	.00019	.00034
%RSD	55.756	43.317	88.579	79.61	15.64	10.028	50.793	3.4006	29.327	684.51	32.036	48.247	24.055

#1	-0.0040	.00735	.00446	-.0010	.0044	-.00107	.00008	-.00006	.00483	.00012	-.00009	-.00026	.00116
#2	-.00093	.01385	.00103	-.0003	.0036	-.00123	.00004	-.00006	.00735	-.00018	-.00014	-.00053	.00163

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00462	.00448	.00275	-.00049	.00158	-0.00003	.00031	.00441	.00020	.00004	.00253	-.00149	-.00109
Stddev	.00077	.01723	.00016	.00086	.00277	.00003	.00007	.00282	.00004	.00154	.00159	.00198	.00094
%RSD	16.546	384.80	5.7436	175.27	175.80	103.69	23.647	64.052	20.230	4155.2	62.856	133.36	86.722

#1	.00408	.01666	.00286	.00012	.00354	-.00001	.00036	.00241	.00017	.00113	.00141	-.00008	-.00042
#2	.00517	-.00771	.00264	-.00110	-.00038	-.00005	.00026	.00640	.00023	-.00105	.00366	-.00289	-.00176

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00251	-.00059	.00006	.00005	-.00092	.00060	z *****	z *****	.00233
Stddev	.00120	.00035	.00006	.00073	.00071	.00025	z -----	z -----	.00051
%RSD	47.763	59.762	93.051	1526.1	76.798	41.074	z -----	z -----	21.790

#1	.00336	-.00084	.00010	-.00047	-.00142	.00077	z 3775.	z 12380.	.00197
#2	.00166	-.00034	.00002	.00056	-.00042	.00042	z 3766.	z 12310.	.00269

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3570.8	4953.2	29444.	10278.
Stddev	4.9	.6	23.	35.
%RSD	.13850	.01121	.07750	.33944

#1	3574.3	4952.9	29460.	10302.
#2	3567.3	4953.6	29428.	10253.

Sample Name: 480-28213-B-1-A Acquired: 11/13/2012 16:33:42 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0073	.00346	.00294	.0005	.0012	.01418	.01909	-0.0003	45.315
Stddev	.00071	.00550	.00162	.0002	.0001	.00026	.00013	.00009	.203
%RSD	97.363	159.18	55.196	38.54	11.72	1.8341	.67794	313.35	.44802

#1	-0.0023	-0.0043	.00179	.0006	.0013	.01436	.01899	-0.0009	45.459
#2	-0.0123	.00735	.00408	.0003	.0011	.01400	.01918	.00004	45.172

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	-0.0014	.00007	.00197	.00006	.51891	.49828	.00131	14.143
Stddev	.00014	.00003	.00011	.00004	.00042	.02139	.00068	.00047	.067
%RSD	202.59	20.753	168.52	2.2170	710.29	4.1217	.13715	36.109	.47480

#1	-0.0017	-0.0016	.00014	.00194	-0.0024	.53403	.49780	.00097	14.095
#2	.00003	-0.0012	-0.0001	.00200	.00035	.50379	.49877	.00164	14.190

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0032	.00049	4.2662	-0.0041	.00053	3.0960	-0.0019	-0.00235	5.1212
Stddev	.00003	.00001	.0001	.00011	.00031	.0037	.00426	.00058	.0467
%RSD	10.615	1.8317	.00338	25.532	57.329	.12090	2203.6	24.605	.91120

#1	-0.0035	.00049	4.2663	-0.0034	.00032	3.0987	.00282	-0.00276	5.1542
#2	-0.0030	.00050	4.2661	-0.0049	.00075	3.0934	-0.00320	-0.00194	5.0882

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0029	.04618	.00006	-0.0154	.00022	*****	*****	.00179
Stddev	.00062	.00022	.00060	.00070	.00005	----	----	.00000
%RSD	218.48	.47072	939.65	45.497	23.152	----	----	.12685

#1	.00016	.04633	.00049	-0.0104	.00019	3820.	12500.	.00180
#2	-0.0073	.04602	-0.0036	-0.0203	.00026	3824.	12550.	.00179

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3455.0	4921.4	29200.	10424.
Stddev	2.3	4	76.	48.
%RSD	.06644	.00888	.26193	.46337

#1	3453.4	4921.8	29254.	10390.
#2	3456.6	4921.1	29146.	10458.

Sample Name: 480-28213-B-2-A Acquired: 11/13/2012 16:35:57 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00155	.00116	.00044	.0035	.0015	.05486	.03640	-.00004	75.005
Stddev	.00223	.01250	.00607	.0020	.0003	.00018	.00246	.00003	.270
%RSD	143.54	1081.3	1380.3	56.65	20.67	.33714	6.7660	77.592	.35954

#1	.00313	.01000	-.00385	.0021	.0017	.05473	.03814	-.00006	74.815
#2	-.00002	-.00768	.00473	.0049	.0012	.05499	.03466	-.00002	75.196

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	.00007	.00291	.00427	.00166	.72353	*****	.00300	21.825
Stddev	.00002	.00000	.00310	.00287	.00210	.00396	----	.00010	.455
%RSD	22.287	4.7059	106.68	67.291	126.97	.54777	----	3.2853	2.0869

#1	-.00006	.00006	.00510	.00630	.00314	.72634	----	.00307	21.503
#2	-.00008	.00007	.00071	.00224	.00017	.72073	.85052	.00293	22.147

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00238	.00007	42.112	.00010	.00021	5.1002	.00002	.00079	6.1198
Stddev	.00362	.00030	.022	.00009	.00004	.0065	.00023	.00407	.0162
%RSD	151.87	454.74	.05176	83.857	19.200	.12706	1091.0	516.94	.26456

#1	.00495	-.00015	42.128	.00004	.00024	5.0957	.00018	-.00209	6.1312
#2	-.00018	.00028	42.097	.00016	.00018	5.1048	-.00014	.00367	6.1083

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00044	.06564	.00279	-.00072	.00248	*****	*****	.00364
Stddev	.00053	.00006	.00328	.00081	.00280	----	----	.00300
%RSD	119.35	.09539	117.65	112.56	113.06	----	----	82.351

#1	-.00082	.06559	.00511	-.00015	.00445	3724.	12240.	.00576
#2	-.00007	.06568	.00047	-.00128	.00050	3690.	12080.	.00152

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3318.2	4830.3	28229.	10093.
Stddev	3.4	4.5	450.	58.
%RSD	.10331	.09419	1.5930	.56977

#1	3320.6	4833.5	28547.	10133.
#2	3315.8	4827.1	27911.	10052.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0030	-0.0011	-0.0062	.0021	.0029	.01510	.05353	-0.0009	73.544
Stddev	.00038	.00697	.00014	.0004	.0008	.00053	.00083	.00008	.002
%RSD	125.82	6275.2	21.886	20.25	27.98	3.5162	1.5413	96.858	.00292

#1	-0.0058	-0.0504	-0.0053	.0024	.0023	.01548	.05295	-0.0014	73.543
#2	-0.0003	.00482	-0.00072	.0018	.0034	.01473	.05411	-0.0003	73.546

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	-0.0018	.00011	.00160	-0.00259	.78411	.81017	.00399	23.132
Stddev	.00004	.00015	.00062	.00004	.00113	.04316	.01693	.00112	.256
%RSD	154.74	81.264	573.20	2.2731	43.695	5.5037	2.0892	27.992	1.1075

#1	.00000	-0.0008	-0.00033	.00157	-0.00179	.81463	.79820	.00320	22.950
#2	-0.0005	-0.00029	.00055	.00162	-0.00340	.75360	.82213	.00478	23.313

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0027	.00049	10.049	-0.0001	.00046	7.9955	-0.0011	.00314	6.0755
Stddev	.00000	.00008	.007	.00067	.00042	.0062	.00058	.00115	.0528
%RSD	1.4478	15.571	.06659	4756.9	90.365	.07753	505.52	36.762	.86918

#1	-0.0028	.00044	10.045	.00046	.00075	7.9999	-0.0052	.00232	6.0382
#2	-0.0027	.00055	10.054	-0.00049	.00017	7.9911	.00029	.00396	6.1129

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00030	.07475	.00026	-0.0062	.00024	*****	*****	.00258
Stddev	.00118	.00012	.00111	.00015	.00002	----	----	.00067
%RSD	394.48	.15603	425.11	24.096	8.2230	----	----	26.130

#1	.00113	.07466	-0.00052	-0.00072	.00026	3793.	12440.	.00306
#2	-0.00054	.07483	.00105	-0.00051	.00023	3801.	12380.	.00210

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3362.5	4836.8	28479.	10335.
Stddev	7.0	4	165.	34.
%RSD	.20870	.00775	.57831	.32940

#1	3367.4	4837.1	28595.	10359.
#2	3357.5	4836.5	28362.	10310.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0026	.01871	.00212	.0002	.0038	.00107	.01078	-0.0006	14.953
Stddev	.00011	.01459	.00135	.0022	.0020	.00059	.00003	.00001	.084
%RSD	42.732	77.993	63.600	1182.	51.80	54.746	.24338	8.6816	.56058

#1	-.00018	.00839	.00117	.0017	.0052	.00066	.01076	-.00007	15.012
#2	-.00033	.02903	.00308	-.0013	.0024	.00149	.01080	-.00006	14.894

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0015	-0.0012	-0.00076	.00146	.00284	.15442	.12727	.00094	4.5709
Stddev	.00020	.00006	.00034	.00007	.00148	.02665	.00076	.00056	.0021
%RSD	135.67	48.813	43.971	4.9708	51.958	17.259	.59586	59.718	.04531

#1	-.00028	-.00016	-.00100	.00151	.00180	.17327	.12781	.00054	4.5724
#2	-.00001	-.00008	-.00053	.00141	.00389	.13558	.12674	.00134	4.5694

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0047	.00003	1.9635	.00011	.00058	1.5532	.00009	.00027	1.2125
Stddev	.00007	.00020	.0038	.00010	.00097	.0066	.00020	.00332	.0134
%RSD	14.317	632.01	.19210	85.638	166.08	.42380	235.64	1215.3	1.1074

#1	-.00043	-.00011	1.9608	.00018	-.00010	1.5578	-.00006	.00262	1.2220
#2	-.00052	.00018	1.9661	.00004	.00127	1.5485	.00023	-.00208	1.2030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0030	.01486	.00021	-0.0026	-0.0024	*****	*****	.00080
Stddev	.00004	.00000	.00011	.00154	.00006	----	----	.00036
%RSD	13.805	.00890	53.021	585.73	25.732	----	----	45.386

#1	-.00033	.01486	.00029	.00083	-.00020	3796.	12420.	.00106
#2	-.00027	.01486	.00013	-.00136	-.00028	3822.	12460.	.00054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3545.1	4966.1	29408.	10348.
Stddev	8.7	8.0	46.	51.
%RSD	.24639	.16028	.15640	.49252

#1	3538.9	4960.5	29375.	10312.
#2	3551.2	4971.7	29440.	10384.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05106	10.089	.20990	.2122	.2092	.23021	.25480	.20502	81.176
Stddev	.00016	.032	.00213	.0002	.0024	.00122	.00026	.00155	.420
%RSD	.31182	.32157	1.0127	.1096	1.131	.53020	.10113	.75710	.51753

#1	.05117	10.066	.20840	.2120	.2075	.22934	.25499	.20392	80.879
#2	.05094	10.112	.21140	.2123	.2109	.23107	.25462	.20611	81.473

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20532	.20242	.20162	.20265	10.171	10.830	11.863	.20479	32.336
Stddev	.00128	.00212	.00165	.00051	.053	.067	.212	.00114	.043
%RSD	.62240	1.0450	.82067	.25215	.52488	.62123	1.7880	.55582	.13305

#1	.20442	.20092	.20279	.20301	10.134	10.782	12.013	.20399	32.366
#2	.20623	.20391	.20045	.20229	10.209	10.878	11.713	.20560	32.306

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20147	.20888	.20177	.20118	.20228	7.8353	.21396	.20525	16.702
Stddev	.00016	.00159	.080	.00197	.00372	.0065	.00075	.00185	.060
%RSD	.07808	.76322	.39578	.97994	1.8393	.08326	.34890	.90330	.35707

#1	.20159	.20775	20.121	.19979	.19965	7.8399	.21343	.20394	16.660
#2	.20136	.21000	20.234	.20257	.20491	7.8307	.21448	.20656	16.745

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.19655	.28588	.20295	.19403	.19847	****	****	.21335
Stddev	.00175	.00036	.00098	.00037	.00083	----	----	.00070
%RSD	.88844	.12491	.48145	.19269	.41887	----	----	.32756

#1	.19532	.28563	.20364	.19376	.19906	3826.	12500.	.21286
#2	.19779	.28614	.20226	.19429	.19788	3796.	12390.	.21385

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3293.8	4832.1	28513.	10385.
Stddev	4.0	1.9	51.	51.
%RSD	.12289	.03986	.17933	.49508

#1	3296.7	4830.7	28476.	10422.
#2	3291.0	4833.4	28549.	10349.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05089	9.9114	.20522	.2082	.2016	.22031	.25197	.20120	83.122
Stddev	.00035	.0417	.00313	.0001	.0001	.00117	.00055	.00017	.247
%RSD	.69685	.42077	1.5268	.0541	.0383	.52993	.21641	.08281	.29767

#1	.05114	9.8819	.20744	.2082	.2016	.21949	.25235	.20108	83.297
#2	.05064	9.9409	.20301	.2081	.2015	.22114	.25158	.20132	82.947

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20142	.19793	.20331	.19702	9.8634	10.669	11.574	.20240	32.736
Stddev	.00014	.00040	.00074	.00003	.0418	.008	.056	.00046	.094
%RSD	.07182	.20423	.36561	.01303	.42330	.07617	.48035	.22886	.28727

#1	.20153	.19822	.20278	.19703	9.8930	10.663	11.613	.20207	32.803
#2	.20132	.19765	.20383	.19700	9.8339	10.675	11.535	.20273	32.670

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19267	.20338	20.085	.19615	.19669	8.0218	.20806	.19918	16.243
Stddev	.00043	.00057	.008	.00065	.00169	.0199	.00012	.00115	.004
%RSD	.22150	.27889	.03784	.32958	.85972	.24747	.05828	.57695	.02179

#1	.19297	.20378	20.091	.19660	.19549	8.0078	.20797	.19837	16.240
#2	.19237	.20297	20.080	.19569	.19788	8.0359	.20814	.19999	16.245

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.20010	.27514	.19239	.19170	.19338	*****	*****	.20692
Stddev	.00152	.00003	.00076	.00081	.00053	----	----	.00065
%RSD	.76121	.00976	.39416	.42256	.27355	----	----	.31480

#1	.19902	.27512	.19186	.19227	.19375	3765.	12350.	.20646
#2	.20118	.27516	.19293	.19112	.19300	3785.	12400.	.20738

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3287.2	4828.7	28279.	10343.
Stddev	2.5	11.8	22.	48.
%RSD	.07703	.24445	.07713	.46654

#1	3289.0	4837.0	28295.	10309.
#2	3285.4	4820.3	28264.	10378.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04988	9.6439	.20356	.2068	.2043	.22116	.24526	.19726	81.220
Stddev	.00091	.0035	.00655	.0008	.0029	.00070	.00032	.00028	.042
%RSD	1.8144	.03654	3.2161	.3844	1.404	.31470	.13113	.14240	.05115

#1	.05052	9.6464	.19893	.2063	.2023	.22165	.24549	.19746	81.191
#2	.04924	9.6414	.20819	.2074	.2063	.22067	.24503	.19706	81.249

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19932	.19427	.19974	.19440	9.7619	10.402	11.426	.19860	31.881
Stddev	.00027	.00008	.00098	.00030	.0111	.039	.104	.00052	.102
%RSD	.13306	.04026	.48851	.15248	.11315	.37097	.90924	.25939	.31939

#1	.19914	.19421	.20043	.19461	9.7697	10.375	11.353	.19824	31.953
#2	.19951	.19432	.19905	.19419	9.7541	10.430	11.499	.19897	31.809

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18662	.20128	.19946	.19273	.19409	7.9876	.20619	.20085	16.028
Stddev	.00073	.00059	.069	.00031	.00025	.0294	.00137	.00306	.075
%RSD	.39042	.29476	.34376	.16178	.12830	.36766	.66358	1.5241	.47054

#1	.18714	.20170	.19.898	.19295	.19426	8.0083	.20523	.19869	15.975
#2	.18611	.20086	.19.994	.19251	.19391	7.9668	.20716	.20302	16.082

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.19667	.27331	.18839	.18786	.18853	****	****	.20181
Stddev	.00036	.00118	.00121	.00149	.00004	----	----	.00103
%RSD	.18181	.43101	.64146	.79082	.02252	----	----	.50940

#1	.19692	.27247	.18925	.18681	.18856	3857.	12590.	.20108
#2	.19642	.27414	.18754	.18892	.18850	3859.	12630.	.20254

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3299.7	4828.0	28552.	10516.
Stddev	3.3	7.9	35.	10.
%RSD	.10138	.16389	.12327	.09864

#1	3297.3	4822.4	28527.	10509.
#2	3302.0	4833.6	28577.	10524.

Sample Name: 480-28213-B-4-A Acquired: 11/13/2012 16:49:25 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0038	.00383	.00267	.0036	.0014	.00615	.02801	-0.0008	65.535
Stddev	.00165	.00571	.00031	.0015	.0003	.00164	.00021	.00012	.042
%RSD	433.90	149.14	11.598	40.88	20.24	26.654	.73595	155.39	.06465

#1	.00079	-.00021	.00245	.0046	.0016	.00731	.02787	.00001	65.505
#2	-.00155	.00787	.00289	.0025	.0012	.00499	.02816	-.00017	65.565

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00084	.00072	.00066	.00202	-0.00272	.52126	.50479	.00237	19.036
Stddev	.00114	.00093	.00021	.00007	.00250	.00356	.00373	.00131	.089
%RSD	134.42	129.56	31.328	3.4053	91.951	.68264	.73983	55.039	.46798

#1	.00165	.00138	.00080	.00207	-.00449	.52378	.50215	.00145	18.973
#2	.00004	.00006	.00051	.00197	-.00095	.51875	.50743	.00330	19.099

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0028	.00118	2.9325	.00038	-0.00027	4.1271	.00018	.00102	5.1761
Stddev	.00003	.00125	.0054	.00090	.00012	.0038	.00065	.00088	.0348
%RSD	10.217	105.99	.18382	234.89	42.610	.09298	368.79	86.059	.67279

#1	-.00026	.00206	2.9287	.00102	-.00035	4.1298	.00064	.00164	5.1515
#2	-.00030	.00029	2.9363	-.00025	-.00019	4.1244	-.00028	.00040	5.2007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00047	.05758	-0.00009	.00113	.00046	*****	*****	.00134
Stddev	.00180	.00014	.00012	.00187	.00014	----	----	.00022
%RSD	382.06	.24809	130.79	165.88	31.352	----	----	16.130

#1	.00174	.05748	-.00017	.00245	.00056	3912.	12810.	.00150
#2	-.00080	.05768	-.00001	-.00020	.00036	3906.	12740.	.00119

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3388.8	4853.8	28887.	10644.
Stddev	14.5	14.9	127.	40.
%RSD	.42686	.30669	.43968	.37335

#1	3399.0	4864.3	28977.	10672.
#2	3378.6	4843.3	28797.	10616.

Sample Name: 480-28213-B-5-A Acquired: 11/13/2012 16:51:40 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0040	.02210	-0.0013	.0023	.0024	.01005	.01331	-0.0014	67.650
Stddev	.00045	.00417	.00152	.0009	.0011	.00014	.00007	.00004	.742
%RSD	110.60	18.878	1181.8	37.84	44.72	1.3848	.52072	30.921	1.0975

#1	-0.0072	.02504	-0.0121	.0030	.0017	.00995	.01326	-0.0011	68.175
#2	-0.0009	.01915	.00095	.0017	.0032	.01014	.01335	-0.0016	67.125

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0012	-0.0014	.00013	.00196	-0.0019	.63820	.58983	.00126	14.918
Stddev	.00008	.00021	.00001	.00027	.00049	.00434	.00734	.00046	.081
%RSD	62.827	144.79	10.073	13.764	258.48	.67931	1.2437	36.268	.54111

#1	-0.0017	.00000	.00012	.00177	.00016	.63514	.58465	.00093	14.861
#2	-0.0007	-0.00029	.00014	.00215	-0.0054	.64127	.59502	.00158	14.976

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0032	.00001	2.5144	.00042	-0.0076	4.6557	.00023	.00113	5.0087
Stddev	.00000	.00004	.0016	.00000	.00112	.0075	.00038	.00116	.0592
%RSD	.22375	500.84	.06341	1.1029	147.56	.16149	167.51	103.10	1.1812

#1	-0.0032	.00004	2.5155	.00042	.00003	4.6504	-0.0004	.00031	5.0506
#2	-0.0032	-0.00002	2.5133	.00043	-0.0155	4.6610	.00050	.00195	4.9669

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0056	.05316	.00007	-0.0092	.00046	*****	*****	.00169
Stddev	.00079	.00023	.00021	.00066	.00006	----	----	.00026
%RSD	141.65	.43274	288.27	71.113	12.413	----	----	15.194

#1	-0.0112	.05332	-0.0008	-0.0138	.00042	3705.	12110.	.00188
#2	.00000	.05300	.00022	-0.0046	.00050	3767.	12280.	.00151

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3402.7	4877.4	28403.	10189.
Stddev	2.3	12.5	108.	132.
%RSD	.06679	.25589	.38005	1.2992

#1	3401.1	4868.6	28479.	10095.
#2	3404.3	4886.3	28327.	10282.

Sample Name: 480-28194-E-1-A Acquired: 11/13/2012 16:53:55 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0081	.06269	.00694	.0072	.0028	2.4942	.82072	-.00011	681.61
Stddev	.00041	.01234	.00205	.0028	.0011	.0186	.00417	.00012	.88
%RSD	51.037	19.692	29.573	39.34	38.85	.74585	.50843	113.36	.12966

#1	-.00052	.05396	.00839	.0092	.0035	2.4810	.82367	-.00002	682.23
#2	-.00110	.07142	.00549	.0052	.0020	2.5073	.81777	-.00019	680.99

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.00556	.00179	.00364	1.4075	41.628	74.813	.48262	34.793
Stddev	.0001	.00001	.00000	.00013	.0075	.290	.281	.00246	.104
%RSD	5329.3	.26866	.23618	3.5600	.52952	.69575	.37584	.50886	.29794

#1	.00003	.00555	.00179	.00373	1.4127	41.832	75.011	.48435	34.866
#2	-.00003	.00557	.00179	.00354	1.4022	41.423	74.614	.48088	34.720

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19680	.01808	989.90	.01103	.00259	45.777	-.00019	.00441	5.4164
Stddev	.00088	.00024	6.94	.00009	.00021	.334	.00062	.00035	.0089
%RSD	.44911	1.3239	.70075	.80593	8.3014	.72877	330.51	7.9681	.16502

#1	.19742	.01791	994.81	.01097	.00274	45.541	.00025	.00416	5.4101
#2	.19617	.01825	985.00	.01109	.00244	46.013	-.00063	.00466	5.4227

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00000	5.7351	.00227	-.00215	.00090	*****	*****	.00318
Stddev	.00029	.0054	.00089	.00016	.00019	----	----	.00028
%RSD	18271.	.09459	39.374	7.5022	20.896	----	----	8.8792

#1	-.00021	5.7312	.00164	-.00203	.00076	3605.	11760.	.00338
#2	.00021	5.7389	.00290	-.00226	.00103	3605.	11780.	.00298

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2620.3	4208.6	24572.	9792.7
Stddev	11.0	20.3	67.	7.8
%RSD	.41806	.48125	.27131	.07970

#1	2628.0	4222.9	24525.	9787.2
#2	2612.5	4194.2	24619.	9798.2

Sample Name: CCV Acquired: 11/13/2012 16:56:40 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49294	24.173	49660	5077	4913	50730	48574	48488	24.701	49814	48113	49647	47749
Stddev	.00064	.079	.00160	.0003	.0017	.00262	.00040	.00016	.081	.00045	.00116	.00090	.00119
%RSD	.13070	.32596	.32188	.0507	.3398	.51739	.08245	.03275	.32718	.09042	.24213	.18151	.24827

#1	.49249	24.229	.49547	.5079	.4901	.50544	.48546	.48499	24.644	.49845	.48196	.49711	.47665
#2	.49340	24.118	.49773	.5075	.4925	.50915	.48603	.48477	24.758	.49782	.48031	.49583	.47833

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.497	24.262	24.667	47894	23.252	48313	49986	24.978	48983	48731	24.632	51855	50479
Stddev	.061	.011	.157	.00026	.028	.00057	.00062	.040	.00112	.00146	.010	.00153	.00524
%RSD	.25061	.04593	.63444	.05385	.12168	.11839	.12388	.15866	.22946	.29934	.04217	.29597	1.0375

#1	24.453	24.254	24.777	.47876	23.272	.48353	.49942	24.950	.49063	.48835	24.625	.51746	.50850
#2	24.540	24.270	24.556	.47912	23.232	.48272	.50030	25.006	.48904	.48628	24.640	.51963	.50109

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	24.845	49895	50206	48744	48574	47699	z *****	z *****	48698
Stddev	.141	.00152	.00081	.00221	.00092	.00005	-----	-----	.00175
%RSD	.56679	.30560	.16167	.45337	.18863	.00976	-----	-----	.35957

#1	24.745	.50003	.50149	.48588	.48639	.47696	z 3769.	z 12320.	.48821
#2	24.944	.49787	.50263	.48901	.48510	.47703	z 3752.	z 12260.	.48574

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3336.2	4883.1	28571.	10208.
Stddev	2.7	6.8	106.	40.
%RSD	.08214	.14004	.37242	.39229

#1	3334.2	4888.0	28496.	10237.
#2	3338.1	4878.3	28647.	10180.

Sample Name: CCB Acquired: 11/13/2012 16:58:50 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00045	.00500	.00164	.0024	.0018	-0.00037	.00001	-0.00010	.01291	-0.00010	-0.00015	.00011	.00161
Stddev	.00074	.01354	.00061	.0025	.0003	.00014	.00001	.00002	.00271	.00011	.00018	.00039	.00001
%RSD	164.01	270.89	37.191	107.4	15.89	37.381	124.71	20.273	21.004	107.14	120.75	357.78	.31315

#1	.00007	.01457	.00121	.0006	.0020	-0.00046	.00002	-0.00011	.01483	-0.00018	-0.00028	.00039	.00161
#2	-0.00097	-0.00458	.00207	.0041	.0016	-0.00027	.00000	-0.00009	.01099	-0.00003	-0.00002	-0.00017	.00162

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00137	.01265	.00169	.00011	.00133	-0.00004	.00034	.03950	-0.00040	-0.00095	.00139	.00182	-0.00195
Stddev	.00188	.00160	.00021	.00013	.00317	.00001	.00013	.00498	.00010	.00053	.00149	.00017	.00093
%RSD	136.82	12.628	12.167	124.69	238.66	24.822	37.470	12.614	24.539	55.705	106.68	9.2042	47.630

#1	.00004	.01378	.00184	.00020	-0.00091	-0.00005	.00025	.04302	-0.00047	-0.00133	.00034	.00193	-0.00129
#2	.00270	.01152	.00154	.00001	.00357	-0.00004	.00043	.03598	-0.00033	-0.00058	.00244	.00170	-0.00261

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00186	-0.00027	.00005	-0.00007	-0.00034	-0.00023	z *****	z *****	.00193
Stddev	.00713	.00037	.00002	.00031	.00112	.00003	z -----	z -----	.00028
%RSD	382.35	137.26	31.207	430.45	328.62	15.270	z -----	z -----	14.284

#1	.00690	-0.00001	.00007	-0.00029	.00045	-0.00025	z 3713.	z 12120.	.00173
#2	-0.00318	-0.00053	.00004	.00015	-0.00113	-0.00020	z 3721.	z 12070.	.00212

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3532.3	4925.7	29083.	10053.
Stddev	2.0	4.4	50.	18.
%RSD	.05545	.08866	.17259	.18090

#1	3530.9	4922.6	29119.	10065.
#2	3533.7	4928.8	29048.	10040.

Sample Name: 480-28194-E-2-A Acquired: 11/13/2012 17:01:09 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	.03121	.00319	.0069	.0007	.59837	.04327	-0.0001	473.99
Stddev	.00052	.00214	.00186	.0006	.0061	.00118	.00008	.00008	1.58
%RSD	1252.0	6.8693	58.190	8.778	809.2	.19672	.17372	609.31	.33296

#1	.00033	.02969	.00188	.0064	.0050	.59754	.04322	-0.0007	475.11
#2	-.00041	.03272	.00450	.0073	-.0035	.59920	.04333	.00005	472.88

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0006	.00038	-0.00044	.00308	.03169	18.926	30.880	.09767	51.416
Stddev	.00008	.00004	.00028	.00011	.00417	.035	.156	.00021	.228
%RSD	134.57	11.453	63.966	3.5001	13.162	.18589	.50378	.21466	.44430

#1	-.00011	.00035	-.00024	.00316	.03463	18.951	30.990	.09782	51.255
#2	.00000	.00041	-.00065	.00301	.02874	18.901	30.770	.09752	51.578

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09607	.00145	312.56	.00136	.00140	319.85	-0.00110	.00061	6.6578
Stddev	.00047	.00025	.00	.00006	.00009	.30	.00123	.00226	.0436
%RSD	.48564	17.268	.00076	4.6008	6.2578	.09432	110.88	366.90	.65548

#1	.09574	.00163	312.57	.00131	.00134	319.64	-.00197	.00221	6.6887
#2	.09640	.00128	312.56	.00140	.00146	320.06	-.00024	-.00098	6.6270

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00075	3.5771	.00155	-0.00314	.00070	*****	*****	.00331
Stddev	.00004	.0010	.00042	.00086	.00020	----	----	.00036
%RSD	4.6945	.02747	27.317	27.282	27.864	----	----	10.928

#1	-.00078	3.5778	.00125	-.00253	.00084	3629.	11820.	.00357
#2	-.00073	3.5764	.00185	-.00374	.00056	3639.	11880.	.00306

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2858.8	4399.6	25819.	9804.2
Stddev	4.2	4.7	92.	29.8
%RSD	.14799	.10640	.35573	.30394

#1	2861.8	4402.9	25884.	9783.1
#2	2855.8	4396.3	25755.	9825.3

Sample Name: 480-28194-C-3-A Acquired: 11/13/2012 17:03:39 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0033	.09765	.00858	.0088	.0042	2.4789	.71475	-0.0005	676.20
Stddev	.00083	.01556	.00376	.0018	.0007	.0055	.00157	.00004	4.88
%RSD	246.80	15.937	43.765	20.30	16.55	.22362	.21927	82.929	.72206

#1	.00025	.10866	.00593	.0075	.0037	2.4750	.71364	-.00008	672.74
#2	-.00092	.08665	.01124	.0100	.0047	2.4828	.71586	-.00002	679.65

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.00538	.00159	.00333	1.3126	41.251	74.046	.47639	34.668
Stddev	.00023	.00010	.00039	.00010	.0010	.148	.127	.00084	.121
%RSD	99.350	1.9509	24.384	2.9823	.07408	.35882	.17186	.17563	.35042

#1	.00007	.00545	.00186	.00340	1.3119	41.356	74.136	.47698	34.754
#2	.00040	.00531	.00131	.00326	1.3133	41.147	73.956	.47579	34.582

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19619	.01994	981.94	.01202	.00077	36.248	.00020	.00300	5.3925
Stddev	.00030	.00025	2.53	.00010	.00175	.074	.00104	.00143	.0266
%RSD	.15403	1.2640	.25785	.85157	226.18	.20460	510.72	47.727	.49266

#1	.19640	.02012	983.74	.01194	-.00046	36.196	.00094	.00199	5.4113
#2	.19597	.01977	980.15	.01209	.00201	36.301	-.00053	.00401	5.3737

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00064	5.7765	.00229	-.00382	.00107	*****	*****	.00438
Stddev	.00037	.0095	.00055	.00027	.00043	----	----	.00077
%RSD	58.661	.16479	23.804	7.0751	40.229	----	----	17.515

#1	.00090	5.7832	.00191	-.00363	.00077	3613.	11800.	.00384
#2	.00037	5.7698	.00268	-.00401	.00138	3571.	11640.	.00493

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2614.0	4198.1	24516.	9750.1
Stddev	4.3	4.6	90.	90.7
%RSD	.16485	.10940	.36616	.93020

#1	2610.9	4201.4	24452.	9814.2
#2	2617.0	4194.9	24579.	9685.9

Sample Name: 480-28194-C-4-A Acquired: 11/13/2012 17:06:17 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0101	.01436	.00198	.0045	.0006	.62849	.06465	-0.0006	488.22
Stddev	.00069	.00571	.00203	.0012	.0024	.00044	.00034	.00000	.47
%RSD	67.907	39.748	102.77	26.72	430.7	.07034	.52637	3.4923	.09662

#1	-.00053	.01840	.00054	.0054	-.0011	.62881	.06441	-.00006	487.89
#2	-.00150	.01033	.00342	.0037	.0022	.62818	.06489	-.00006	488.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00038	.00014	.00336	.07309	20.101	33.135	.10435	54.028
Stddev	.00006	.00015	.00080	.00037	.00095	.055	.296	.00071	.189
%RSD	29.271	38.732	590.37	11.080	1.3039	.27474	.89351	.67972	.35009

#1	.00017	.00028	-.00043	.00310	.07241	20.140	32.926	.10485	53.894
#2	.00026	.00049	.00070	.00362	.07376	20.062	33.345	.10385	54.161

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09478	.00212	326.93	.00155	-0.00125	312.01	-0.00104	-0.00122	6.8705
Stddev	.00019	.00004	.20	.00010	.00283	.31	.00029	.00065	.0309
%RSD	.19794	1.8017	.06105	6.6696	226.59	.09777	27.929	53.592	.44912

#1	.09465	.00209	326.79	.00163	-.00325	312.23	-.00125	-.00076	6.8487
#2	.09492	.00215	327.07	.00148	.00075	311.80	-.00084	-.00168	6.8924

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00001	3.6863	.00216	-.00258	.00034	*****	*****	.00781
Stddev	.00037	.0090	.00044	.00008	.00023	----	----	.00005
%RSD	5337.6	.24497	20.145	3.0386	67.109	----	----	.59532

#1	.00027	3.6799	.00185	-.00263	.00050	3611.	11770.	.00785
#2	-.00026	3.6926	.00247	-.00252	.00018	3623.	11800.	.00778

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2832.7	4355.5	25557.	9818.0
Stddev	.7	.9	23.	15.4
%RSD	.02603	.01969	.08822	.15654

#1	2832.1	4356.1	25573.	9828.9
#2	2833.2	4354.9	25541.	9807.1

Sample Name: 480-28194-C-5-A Acquired: 11/13/2012 17:08:47 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0041	.02996	.00641	.0056	.0022	1.3579	.12890	-0.0001	550.74
Stddev	.00033	.00007	.00203	.0010	.0042	.0043	.00035	.00005	.57
%RSD	81.723	.23961	31.728	18.31	196.5	.31295	.26979	502.04	.10313

#1	-.00064	.02991	.00497	.0063	.0052	1.3549	.12914	.00002	551.14
#2	-.00017	.03001	.00785	.0049	-.0008	1.3609	.12865	-.00004	550.34

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	.00236	-.00005	.00291	.18024	27.888	49.236	.24630	45.630
Stddev	.00007	.00001	.00021	.00028	.00278	.034	.108	.00011	.039
%RSD	47.583	.26355	427.55	9.7052	1.5448	.12165	.21844	.04427	.08648

#1	.00009	.00236	.00010	.00271	.17828	27.864	49.160	.24638	45.602
#2	.00019	.00237	-.00020	.00311	.18221	27.912	49.312	.24622	45.658

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12958	.01099	571.71	.00640	.00129	207.75	.00020	-.00208	6.1374
Stddev	.00004	.00036	1.26	.00050	.00094	.24	.00140	.00424	.0010
%RSD	.03101	3.2389	.21996	7.7472	73.290	.11397	689.65	204.10	.01666

#1	.12955	.01074	572.60	.00605	.00196	207.58	.00119	-.00508	6.1381
#2	.12961	.01124	570.82	.00675	.00062	207.92	-.00079	.00092	6.1367

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00046	4.3962	.00228	-.00423	.00042	*****	*****	.00406
Stddev	.00012	.0071	.00099	.00036	.00010	----	----	.00047
%RSD	26.546	.16060	43.627	8.5140	23.163	----	----	11.461

#1	.00038	4.4012	.00298	-.00449	.00049	3687.	12030.	.00439
#2	.00055	4.3912	.00158	-.00398	.00035	3668.	12000.	.00373

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2749.0	4282.3	25251.	10020.
Stddev	3.0	4.3	4.	6.
%RSD	.11023	.10126	.01644	.05619

#1	2746.8	4285.4	25248.	10024.
#2	2751.1	4279.3	25254.	10016.

Sample Name: 480-28245-F-1-A Acquired: 11/13/2012 17:11:17 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0023	.14103	.00598	.0078	.0079	.14398	.13950	-0.0005	113.26
Stddev	.00060	.01082	.00302	.0012	.0002	.00076	.00049	.00011	.10
%RSD	261.54	7.6716	50.607	15.56	2.435	.52609	.34854	204.35	.09081
#1	.00020	.14868	.00812	.0070	.0077	.14451	.13916	.00002	113.19
#2	-.00066	.13338	.00384	.0087	.0080	.14344	.13984	-.00013	113.33

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00234	.00017	.00236	1.1772	10.228	12.286	.02211	60.524
Stddev	.00003	.00008	.00020	.00042	.0004	.004	.103	.00004	.532
%RSD	285.41	3.3963	120.89	17.865	.03460	.03448	.84200	.17664	.87861
#1	.00003	.00228	.00002	.00207	1.1775	10.231	12.213	.02214	60.148
#2	-.00001	.00240	.00031	.00266	1.1769	10.226	12.359	.02208	60.900

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18278	.00459	40.492	.00587	.00022	55.514	-0.0015	.00136	6.5334
Stddev	.00106	.00001	.063	.00033	.00088	.064	.00073	.00567	.0443
%RSD	.58028	.14426	.15514	5.6140	396.45	.11541	500.70	417.63	.67837
#1	.18203	.00459	40.447	.00564	-.00040	55.560	-.00066	.00537	6.5021
#2	.18353	.00458	40.536	.00610	.00084	55.469	.00037	-.00265	6.5648

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00009	.78384	.00359	-.00145	.00038	*****	*****	.13367
Stddev	.00018	.00156	.00066	.00134	.00008	----	----	.00066
%RSD	202.72	.19842	18.380	92.858	20.023	----	----	.49512
#1	-.00004	.78274	.00406	-.00240	.00033	3755.	12180.	.13320
#2	.00021	.78494	.00313	-.00050	.00044	3741.	12180.	.13413

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3212.5	4706.9	27673.	10138.
Stddev	1.7	1.0	247.	23.
%RSD	.05335	.02210	.89314	.22316
#1	3213.7	4707.6	27848.	10154.
#2	3211.3	4706.2	27499.	10122.

Sample Name: 480-28245-F-2-A Acquired: 11/13/2012 17:13:36 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0047	.00457	.01397	.0159	.0112	.15128	.15280	-0.0003	171.73
Stddev	.00028	.04269	.00321	.0012	.0004	.00077	.00083	.00004	.34
%RSD	60.041	934.89	22.996	7.391	3.190	.51079	.54513	129.81	.19625

#1	-0.00066	-.02562	.01170	.0151	.0109	.15183	.15221	.00000	171.97
#2	-0.00027	.03475	.01624	.0168	.0114	.15073	.15339	-.00006	171.49

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.00421	-0.00016	.00278	13.037	2.5755	3.5351	.01502	92.932
Stddev	.00019	.00020	.00030	.00014	.019	.0047	.0099	.00051	.370
%RSD	78.718	4.7261	181.06	5.1591	.14526	.18360	.28000	3.3653	.39814

#1	.00011	.00407	-.00037	.00288	13.051	2.5722	3.5281	.01466	92.671
#2	.00038	.00435	.00005	.00268	13.024	2.5789	3.5421	.01538	93.194

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16741	.00258	64.330	.01176	-0.00108	32.802	-0.00114	.00069	11.604
Stddev	.00049	.00012	.005	.00018	.00053	.104	.00084	.00214	.017
%RSD	.29562	4.5887	.00785	1.5515	49.250	.31556	73.519	310.35	.14388

#1	.16706	.00266	64.334	.01163	-.00145	32.875	-.00055	.00221	11.616
#2	.16776	.00249	64.326	.01189	-.00070	32.729	-.00174	-.00082	11.592

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00036	.20339	.00071	-0.00050	.00019	*****	*****	.00141
Stddev	.00006	.00042	.00022	.00157	.00060	----	----	.00052
%RSD	17.518	.20700	31.682	312.66	316.64	----	----	36.524

#1	-.00040	.20369	.00086	-.00161	.00061	3772.	12320.	.00177
#2	-.00031	.20309	.00055	.00061	-.00023	3797.	12350.	.00105

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3118.8	4627.2	27348.	10282.
Stddev	3.8	12.0	92.	32.
%RSD	.12298	.26031	.33693	.31256

#1	3116.0	4618.6	27414.	10260.
#2	3121.5	4635.7	27283.	10305.

Sample Name: 480-28245-F-3-A Acquired: 11/13/2012 17:15:50 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	.02004	.01087	.0132	.0123	1.1971	.26372	-.00009	151.22
Stddev	.00078	.01707	.00201	.0014	.0010	.0054	.00312	.00001	.47
%RSD	661.53	85.175	18.490	10.53	8.400	.45415	1.1837	15.099	.31108

#1	-.00043	.03211	.01229	.0142	.0130	1.1932	.26593	-.00010	150.88
#2	.00067	.00797	.00945	.0122	.0115	1.2009	.26152	-.00008	151.55

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.00103	.00017	.00239	11.648	10.800	15.736	.05000	101.83
Stddev	.00003	.00015	.00030	.00021	.011	.016	.061	.00032	3.75
%RSD	8.3467	14.539	178.14	8.9402	.09040	.14410	.38534	.64903	3.6869

#1	.00031	.00114	.00038	.00224	11.640	10.789	15.778	.05023	104.49
#2	.00035	.00093	-.00004	.00254	11.655	10.811	15.693	.04977	99.178

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09281	.00370	160.69	.02084	-.00060	2.4150	.00007	-.00157	13.707
Stddev	.00144	.00003	.31	.00028	.00051	.0089	.00259	.00051	.024
%RSD	1.5536	.77619	.19598	1.3515	84.665	.36687	3475.7	32.786	.17238

#1	.09179	.00372	160.47	.02064	-.00096	2.4088	-.00176	-.00121	13.690
#2	.09383	.00368	160.92	.02104	-.00024	2.4213	.00191	-.00193	13.724

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00024	.66569	.00069	-.00207	.00181	*****	*****	.00366
Stddev	.00052	.00043	.00016	.00033	.00011	----	----	.00108
%RSD	213.60	.06384	23.478	16.152	5.8194	----	----	29.561

#1	-.00061	.66539	.00057	-.00183	.00189	3753.	12270.	.00290
#2	.00012	.66599	.00080	-.00231	.00174	3729.	12230.	.00443

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3030.6	4580.8	26926.	10247.
Stddev	4.4	9.7	25.	35.
%RSD	.14433	.21068	.09300	.33702

#1	3033.7	4587.7	26944.	10271.
#2	3027.5	4574.0	26909.	10222.

Sample Name: 480-28245-F-4-A Acquired: 11/13/2012 17:18:13 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0090	.02859	.00295	.0049	.0030	.13675	.16057	-0.0008	171.39
Stddev	.00005	.00332	.00504	.0012	.0001	.00012	.00031	.00003	.35
%RSD	6.0930	11.627	170.48	25.50	3.382	.08809	.19318	31.388	.20562

#1	-.00086	.03094	.00652	.0040	.0030	.13684	.16079	-.00010	171.64
#2	-.00093	.02624	-.00061	.0058	.0029	.13667	.16035	-.00006	171.14

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	-0.0023	.00003	.00227	6.3648	3.0177	3.7064	.03534	105.13
Stddev	.00010	.00004	.00020	.00012	.0110	.0197	.0044	.00070	.23
%RSD	39.122	17.951	674.79	5.1007	.17298	.65103	.11894	1.9886	.22178

#1	.00018	-.00026	.00017	.00235	6.3570	3.0038	3.7095	.03484	105.30
#2	.00031	-.00020	-.00011	.00219	6.3726	3.0315	3.7033	.03583	104.97

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06430	.00053	19.036	.00242	-0.0155	22.552	-0.0096	.00004	13.914
Stddev	.00005	.00014	.022	.00018	.00042	.047	.00110	.00068	.055
%RSD	.08076	25.389	.11706	7.5377	27.362	.21013	114.13	1745.3	.39685

#1	.06426	.00063	19.020	.00255	-.00185	22.519	-.00174	-.00044	13.875
#2	.06433	.00044	19.051	.00229	-.00125	22.586	-.00019	.00052	13.953

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0077	.64596	.00026	-0.0151	.00032	*****	*****	.00199
Stddev	.00039	.00106	.00019	.00007	.00028	----	----	.00033
%RSD	50.614	.16379	71.838	4.5050	88.993	----	----	16.458

#1	-.00104	.64521	.00040	-.00146	.00052	3689.	12070.	.00176
#2	-.00049	.64671	.00013	-.00156	.00012	3734.	12130.	.00222

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3146.9	4628.3	27507.	10088.
Stddev	1.0	8.2	4.	45.
%RSD	.03147	.17676	.01630	.44420

#1	3146.2	4634.1	27504.	10056.
#2	3147.6	4622.5	27510.	10119.

Sample Name: 480-28245-F-5-A Acquired: 11/13/2012 17:20:26 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0074	.01345	-0.00211	.0051	.0062	.30652	.08687	-0.0011	116.00
Stddev	.00089	.00643	.00170	.0034	.0012	.00051	.00055	.00007	.16
%RSD	119.63	47.802	80.547	66.02	19.86	.16644	.62895	69.260	.14162

#1	-0.0011	.01800	-0.00091	.0027	.0053	.30688	.08726	-0.0016	115.88
#2	-0.0137	.00890	-0.00332	.0075	.0071	.30616	.08649	-0.00006	116.11

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	-0.00008	.00007	.00220	.05039	4.4933	5.3929	.01961	71.036
Stddev	.00003	.00003	.00026	.00069	.00281	.0026	.0810	.00010	.329
%RSD	12.051	33.663	385.39	31.561	5.5756	.05822	1.5018	.50449	.46320

#1	.00023	-0.0010	.00026	.00171	.04840	4.4952	5.3357	.01968	71.269
#2	.00020	-0.00006	-0.00012	.00269	.05237	4.4915	5.4502	.01954	70.804

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13850	.00001	23.566	.00132	.00009	55.585	.00006	.00030	9.9554
Stddev	.00040	.00005	.023	.00047	.00188	.063	.00097	.00228	.0428
%RSD	.29028	561.78	.09854	35.951	2121.4	.11307	1536.2	762.65	.42970

#1	.13878	-0.00003	23.550	.00098	-0.0124	55.630	-0.00062	-0.0132	9.9856
#2	.13821	.00005	23.583	.00166	.00142	55.541	.00075	.00191	9.9251

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00040	.23208	.00027	-0.00036	-0.00029	****	****	.00290
Stddev	.00049	.00039	.00033	.00130	.00010	----	----	.00043
%RSD	124.90	.16928	121.05	359.12	34.926	----	----	14.933

#1	-0.00075	.23180	.00004	.00056	-0.00036	3775.	12350.	.00321
#2	-0.00005	.23236	.00051	-0.00128	-0.00022	3804.	12400.	.00259

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3219.5	4670.1	28071.	10309.
Stddev	.3	1.8	86.	4.
%RSD	.00873	.03832	.30504	.03431

#1	3219.3	4668.8	28010.	10306.
#2	3219.7	4671.4	28132.	10311.

Sample Name: 480-28245-F-6-A Acquired: 11/13/2012 17:22:44 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0009	.02763	-0.00194	.0008	.0035	.09444	.10208	-0.0008	109.78
Stddev	.00025	.01351	.00164	.0012	.0036	.00094	.00014	.00002	.02
%RSD	269.19	48.916	84.739	158.7	103.4	.99770	.13327	20.978	.02170

#1	.00008	.03719	-.00310	-.0001	.0061	.09377	.10199	-.00009	109.80
#2	-.00027	.01807	-.00078	.0017	.0009	.09511	.10218	-.00007	109.77

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00003	-0.00047	.00212	.62976	1.7634	2.0330	.01088	45.858
Stddev	.00002	.00007	.00013	.00036	.00260	.0051	.0013	.00007	.002
%RSD	19.068	248.88	28.395	17.175	.41241	.28920	.06164	.62491	.00503

#1	.00010	.00007	-.00037	.00186	.63160	1.7598	2.0338	.01092	45.860
#2	.00008	-.00002	-.00056	.00238	.62793	1.7670	2.0321	.01083	45.857

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04310	.00594	19.237	.00057	-0.00010	70.867	-0.00077	-0.00138	4.3734
Stddev	.00001	.00027	.006	.00002	.00080	.371	.00134	.00189	.0179
%RSD	.01970	4.5034	.02977	2.9492	784.39	.52293	173.88	136.97	.40932

#1	.04310	.00575	19.233	.00058	-.00067	70.605	-.00172	-.00271	4.3607
#2	.04311	.00613	19.241	.00056	.00046	71.129	.00018	-.00004	4.3860

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00026	.73672	.00006	-0.00004	.00018	*****	*****	.00309
Stddev	.00038	.00042	.00019	.00120	.00010	----	----	.00061
%RSD	147.48	.05699	313.28	3166.7	53.696	----	----	19.583

#1	-.00052	.73701	-.00007	-.00089	.00025	3732.	12160.	.00352
#2	.00001	.73642	.00019	.00081	.00011	3715.	12080.	.00267

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3266.8	4736.1	27986.	10076.
Stddev	16.9	28.4	30.	57.
%RSD	.51580	.60056	.10570	.56900

#1	3278.7	4756.2	27965.	10117.
#2	3254.9	4715.9	28007.	10036.

Sample Name: CCV Acquired: 11/13/2012 17:24:59 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49286	24.268	48960	5040	4902	49862	48818	48480	24.630	49302	48228	49885	47815
Stddev	.00012	.100	.00403	.0020	.0030	.00128	.00013	.00094	.060	.00114	.00073	.00171	.00016
%RSD	.02448	.41123	.82309	.4029	.6177	.25632	.02668	.19318	.24262	.23050	.15198	.34272	.03365

#1	.49278	24.339	.49245	.5025	.4880	.49772	.48827	.48414	24.587	.49383	.48280	.49764	.47803
#2	.49295	24.198	.48675	.5054	.4923	.49953	.48809	.48547	24.672	.49222	.48176	.50006	.47826

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.368	24.445	23.885	48190	23.434	48630	49697	24.910	48906	48662	24.415	50881	49921
Stddev	.008	.059	.183	.00013	.009	.00027	.00004	.027	.00206	.00072	.053	.00108	.00161
%RSD	.03278	.24078	.76409	.02758	.03716	.05584	.00738	.11031	.42089	.14834	.21770	.21182	.32238

#1	24.362	24.404	23.756	.48180	23.440	.48611	.49700	24.891	.49051	.48611	24.377	.50805	.50035
#2	24.374	24.487	24.014	.48199	23.427	.48649	.49694	24.930	.48760	.48713	24.453	.50958	.49808

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	24.872	49838	50179	49098	48501	48373	z *****	z *****	49365
Stddev	.003	.00114	.00051	.00001	.00018	.00019	-----	-----	.00139
%RSD	.01241	.22937	.10074	.00156	.03770	.03933	-----	-----	.28088

#1	24.870	.49757	.50144	.49099	.48488	.48386	z 3770.	z 12310.	.49463
#2	24.874	.49919	.50215	.49097	.48514	.48359	z 3717.	z 12110.	.49267

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3337.5	4907.6	28465.	10161.
Stddev	6.4	.6	19.	104.
%RSD	.19147	.01145	.06692	1.0260

#1	3333.0	4908.0	28451.	10235.
#2	3342.0	4907.2	28478.	10088.

Sample Name: CCB Acquired: 11/13/2012 17:27:10 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00083	.01830	-.00003	.0014	.0030	-.00069	.00083	-.00006	.00938	-.00008	.00002	.00020	.00226
Stddev	.00188	.00890	.00221	.0021	.0008	.00048	.00094	.00001	.00282	.00020	.00017	.00126	.00084
%RSD	226.70	48.658	6802.4	149.6	26.82	70.482	113.60	21.715	30.013	249.95	710.85	634.03	36.978

#1	-.00050	.02460	.00153	-.0001	.0024	-.00034	.00016	-.00005	.01137	.00006	.00015	-.00069	.00167
#2	.00216	.01200	-.00159	.0029	.0035	-.00103	.00149	-.00007	.00739	-.00023	-.00010	.00109	.00285

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00361	.02641	.02707	-.00038	.11164	.00069	.00055	.01681	.00006	-.00101	.02313	.00152	.00017
Stddev	.00087	.01003	.02972	.00048	.12225	.00085	.00015	.00688	.00051	.00111	.02155	.00012	.00328
%RSD	24.003	37.977	109.79	125.93	109.50	123.66	27.504	40.918	832.57	110.05	93.146	8.0231	1893.2

#1	-.00422	.03350	.00606	-.00004	.02520	.00009	.00065	.02167	.00042	-.00022	.03837	.00161	.00249
#2	-.00299	.01932	.04809	-.00072	.19808	.00129	.00044	.01194	.00030	-.00180	.00790	.00143	-.00215

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00776	.00003	.00000	.00087	-.00009	.00093	z *****	z *****	.00301
Stddev	.01711	.00002	.00005	.00068	.00105	.00051	z *****	z *****	.00072
%RSD	220.58	87.783	1078.6	78.966	1125.4	54.286	z *****	z *****	24.018

#1	-.00434	.00005	.00004	.00038	.00065	.00058	z 3778.	z 12280.	.00250
#2	.01986	.00001	-.00003	.00135	-.00083	.00129	z 3817.	z 12450.	.00352

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3549.4	4932.9	28997.	10304.
Stddev	5.6	9.3	99.	82.
%RSD	.15725	.18838	.34164	.80044

#1	3545.4	4926.4	29067.	10246.
#2	3553.3	4939.5	28927.	10363.

Sample Name: 480-28245-F-7-A Acquired: 11/13/2012 17:29:29 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0020	.02248	.00159	.0031	.0004	.05891	.04319	-0.0005	151.22
Stddev	.00025	.01665	.00451	.0035	.0031	.00040	.00006	.00001	.18
%RSD	128.64	74.060	283.19	111.9	727.1	.67319	.12831	23.260	.11667

#1	-.00002	.03425	-.00160	.0056	-.0018	.05863	.04315	-.00005	151.34
#2	-.00038	.01071	.00478	.0006	.0027	.05919	.04323	-.00004	151.09

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.00069	-0.00034	.00231	.10913	1.2404	1.4494	.01181	94.778
Stddev	.00006	.00003	.00013	.00043	.00125	.0355	.0037	.00043	.302
%RSD	26.705	4.9361	37.447	18.532	1.1468	2.8585	.25699	3.6025	.31878

#1	.00019	.00072	-.00043	.00261	.10825	1.2655	1.4520	.01211	94.564
#2	.00028	.00067	-.00025	.00201	.11002	1.2153	1.4468	.01151	94.991

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06883	.00211	14.282	.00226	-0.0011	57.003	.00111	.00287	7.7999
Stddev	.00022	.00019	.003	.00069	.00119	.043	.00222	.00093	.0274
%RSD	.31277	9.0283	.02020	30.534	1034.9	.07505	199.25	32.367	.35090

#1	.06868	.00198	14.280	.00177	-.00096	56.973	.00268	.00222	7.7805
#2	.06898	.00225	14.284	.00275	.00073	57.033	-.00045	.00353	7.8193

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0038	.13893	.00072	.00055	.00067	*****	*****	.00677
Stddev	.00025	.00002	.00019	.00162	.00003	----	----	.00001
%RSD	64.808	.01482	26.238	296.33	3.9601	----	----	.12292

#1	-.00021	.13894	.00086	-.00060	.00069	3743.	12200.	.00677
#2	-.00056	.13891	.00059	.00169	.00065	3745.	12240.	.00676

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3196.0	4677.4	27606.	10148.
Stddev	1.9	6.3	53.	22.
%RSD	.06010	.13540	.19058	.21620

#1	3197.4	4681.9	27643.	10132.
#2	3194.6	4672.9	27569.	10163.

Sample Name: 480-28245-F-8-A Acquired: 11/13/2012 17:31:43 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0080	.04992	.00170	.0059	.0034	.05724	.06610	-0.0008	71.439
Stddev	.00022	.01153	.00187	.0022	.0017	.00022	.00011	.00007	.228
%RSD	27.661	23.105	110.15	36.56	50.72	.37658	.16682	87.994	.31927

#1	-.00096	.05807	.00038	.0044	.0046	.05739	.06618	-.00003	71.601
#2	-.00065	.04176	.00302	.0074	.0022	.05709	.06603	-.00013	71.278

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.00014	.00367	.00258	5.2815	12.648	12.742	.00312	30.495
Stddev	.00009	.00013	.00115	.00015	.0030	.004	.023	.00019	.010
%RSD	98.114	92.004	31.407	5.7970	.05607	.02776	.18030	6.1375	.03211

#1	.00016	.00023	.00449	.00269	5.2794	12.646	12.726	.00326	30.489
#2	.00003	.00005	.00286	.00248	5.2836	12.651	12.759	.00299	30.502

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48026	.00070	8.4189	.00233	-0.00191	4.7886	-0.00137	-0.00011	6.7214
Stddev	.00024	.00002	.0228	.00062	.00095	.0180	.00028	.00217	.0342
%RSD	.05002	3.0224	.27065	26.583	50.116	.37585	20.823	2010.3	.50918

#1	.48043	.00072	8.4028	.00189	-.00123	4.8013	-.00117	.00142	6.6972
#2	.48009	.00069	8.4350	.00277	-.00258	4.7759	-.00157	-.00164	6.7456

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00007	.13444	.00341	.00006	.00261	*****	*****	.00334
Stddev	.00080	.00006	.00069	.00086	.00048	----	----	.00022
%RSD	1120.3	.04310	20.158	1400.7	18.226	----	----	6.6637

#1	-.00064	.13448	.00390	-.00055	.00227	3733.	12130.	.00349
#2	.00050	.13440	.00292	.00067	.00294	3766.	12210.	.00318

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3341.7	4808.8	28367.	10137.
Stddev	6.2	1.2	55.	45.
%RSD	.18696	.02562	.19347	.44308

#1	3346.1	4807.9	28406.	10105.
#2	3337.2	4809.7	28328.	10169.

Sample Name: 480-28245-F-9-A Acquired: 11/13/2012 17:34:03 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0069	.02673	.00047	.0044	.0031	.06510	.05050	.00007	57.274
Stddev	.00031	.01663	.00096	.0003	.0015	.00037	.00016	.00002	.293
%RSD	45.398	62.212	206.99	7.972	49.34	.56377	.32492	34.774	.51141

#1	-.00047	.01497	.00115	.0041	.0042	.06536	.05062	.00005	57.481
#2	-.00091	.03849	-.00022	.0046	.0020	.06484	.05039	.00009	57.067

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00037	.00126	.00040	.00292	4.5177	6.7846	6.8342	.00244	27.951
Stddev	.00027	.00028	.00013	.00028	.0251	.0563	.0466	.00024	.100
%RSD	71.880	22.276	32.603	9.6188	.55566	.82930	.68243	9.7994	.35812

#1	.00018	.00106	.00031	.00312	4.5354	6.8244	6.8672	.00227	28.022
#2	.00056	.00146	.00050	.00272	4.4999	6.7448	6.8012	.00261	27.880

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.35035	.00032	4.0816	.00131	-0.00028	4.8002	.00079	.00171	4.6602
Stddev	.00081	.00061	.0016	.00043	.00109	.1688	.00058	.00123	.0261
%RSD	.22996	192.22	.03970	32.996	391.24	3.5172	72.812	72.184	.55980

#1	.35092	-.00011	4.0805	.00100	.00049	4.6808	.00038	.00084	4.6786
#2	.34978	.00075	4.0828	.00161	-.00105	4.9196	.00120	.00258	4.6417

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00025	.22019	.00126	-0.0047	.00054	*****	*****	.00667
Stddev	.00096	.00051	.00030	.00022	.00016	----	----	.00043
%RSD	387.88	.23082	23.626	46.902	30.037	----	----	6.3844

#1	-.00093	.22055	.00147	-.00063	.00042	3788.	12310.	.00697
#2	.00043	.21983	.00105	-.00031	.00065	3807.	12410.	.00637

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3373.0	4813.2	28527.	10326.
Stddev	12.1	11.6	142.	47.
%RSD	.35907	.24201	.49630	.45142

#1	3381.6	4821.5	28427.	10293.
#2	3364.5	4805.0	28627.	10359.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	F .63784	-0.00044	.0032	.0034	.00282	.00096	-0.0004	F 1.1516
Stddev	.00029	.00034	.00230	.0001	.0003	.00008	.00002	.00004	.0087
%RSD	872.03	.05287	517.57	4.362	9.362	3.0038	2.5815	112.20	.75708

#1	-.00017	.63761	.00118	.0031	.0036	.00288	.00098	-.00001	1.1578
#2	.00024	.63808	-.00207	.0032	.0032	.00276	.00095	-.00007	1.1454

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.20000							.50000
Low Limit		-.04000							-.05000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00004	.00008	.00018	.00393	.01233	.03284	.02195	.00001	.02193
Stddev	.00008	.00002	.00017	.00052	.00330	.01517	.00020	.00030	.00777
%RSD	198.98	25.206	94.617	13.130	26.755	46.215	.89809	3756.9	35.426

#1	-.00010	.00007	.00006	.00429	.01000	.02211	.02209	.00022	.02742
#2	.00002	.00010	.00030	.00356	.01466	.04357	.02181	-.00021	.01643

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00128	.00005	-0.00159	-0.00002	.00137	.00675	-0.00040	-0.00088	-0.01630
Stddev	.00004	.00007	.00340	.00030	.00040	.00142	.00023	.00009	.00191
%RSD	2.7913	133.12	214.17	1394.5	29.414	21.066	58.500	9.7525	11.695

#1	.00125	.00010	.00082	-.00023	.00109	.00574	-.00023	-.00094	-.01765
#2	.00130	.00000	-.00400	.00019	.00166	.00775	-.00056	-.00082	-.01496

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00010	F .00661	.00046	-0.00026	.00076	F *****	*****	.00275
Stddev	.00018	.00003	.00032	.00055	.00006	----	----	.00016
%RSD	174.87	.47261	68.475	212.33	7.8954	----	----	5.7331

#1	-.00002	.00663	.00024	.00013	.00080	3784.	12330.	.00287
#2	.00023	.00658	.00069	-.00064	.00072	3802.	12360.	.00264

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		.00500				12.00		
Low Limit		-.00500				8.000		

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3605.0	5012.2	29564.	10305.
Stddev	4.0	8.3	15.	59.
%RSD	.11125	.16618	.05223	.57411

#1	3602.1	5006.3	29575.	10264.
#2	3607.8	5018.1	29553.	10347.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0115	.23706	.97994	.9846	1.004	.00949	.99438	.99548	.38869
Stddev	.0026	.02785	.00101	.0055	.003	.00009	.00118	.00061	.00072
%RSD	.26053	11.750	.10346	.5601	.3054	.98388	.11888	.06083	.18614

#1	1.0133	.21736	.98066	.9885	1.006	.00955	.99354	.99590	.38920
#2	1.0096	.25676	.97923	.9807	1.002	.00942	.99521	.99505	.38818

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98917	.97056	1.0082	.98550	.00254	.04655	.00810	-.00074	-.00926
Stddev	.00016	.00191	.0014	.00156	.00005	.00841	.00041	.00007	.00533
%RSD	.01644	.19673	.14203	.15788	2.1231	18.066	5.0821	9.3411	57.532

#1	.98906	.96921	1.0093	.98660	.00250	.04060	.00840	-.00079	-.01303
#2	.98929	.97191	1.0072	.98440	.00257	.05249	.00781	-.00069	-.00549

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	None	None	None
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97073	1.0296	-.01653	.97253	.96669	-.00233	1.0408	.97284	-.02112
Stddev	.00398	.0009	.00306	.00004	.00033	.00206	.0004	.00516	.01790
%RSD	.40961	.09133	18.513	.00402	.03404	88.414	.03658	.53020	84.725

#1	.97354	1.0302	-.01436	.97256	.96646	-.00087	1.0405	.97649	-.03378
#2	.96792	1.0289	-.01869	.97250	.96692	-.00379	1.0411	.96919	-.00847

Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00038	.00215	.00037	.94256	.96620	*****	*****	1.0380
Stddev	.00040	.00002	.00048	.00019	.00660	----	----	.0041
%RSD	106.41	1.0872	129.12	.01992	.68263	----	----	.39162

#1	-.00009	.00217	.00071	.94269	.97086	3764.	12270.	1.0409
#2	-.00066	.00213	.00003	.94242	.96154	3786.	12360.	1.0351

Check ?	None	None	None	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3592.0	5015.7	29578.	10297.
Stddev	10.8	7.7	66.	40.
%RSD	.29941	.15259	.22149	.38977

#1	3599.6	5021.1	29532.	10269.
#2	3584.4	5010.3	29624.	10325.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0019	4.3022	.02494	.0269	.0188	.12444	.04213	-0.0005	27.039
Stddev	.00020	.0669	.00134	.0004	.0008	.00019	.00010	.00002	.547
%RSD	106.55	1.5545	5.3811	1.637	4.121	.15640	.24505	46.731	2.0245

#1	-0.0005	4.3495	.02589	.0273	.0194	.12431	.04206	-0.0003	27.426
#2	-0.0034	4.2549	.02399	.0266	.0183	.12458	.04220	-0.0006	26.652

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10306	.02191	.48779	.12161	2.8271	44.629	57.962	.01499	8.2906
Stddev	.00101	.00188	.00041	.00033	.0589	.304	.385	.00005	.0069
%RSD	.97877	8.5624	.08459	.26888	2.0823	.68113	.66413	.35154	.08310

#1	.10377	.02324	.48750	.12185	2.8688	44.844	57.689	.01503	8.2857
#2	.10234	.02058	.48809	.12138	2.7855	44.414	58.234	.01495	8.2954

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07834	.09390	264.06	.04604	.21143	38.412	.02263	.00873	2.7670
Stddev	.00013	.00090	2.73	.00075	.00012	.439	.00372	.00471	.0598
%RSD	.16544	.95324	1.0329	1.6287	.05696	1.1427	16.414	53.951	2.1619

#1	.07824	.09453	265.98	.04657	.21151	38.102	.02526	.01206	2.8093
#2	.07843	.09326	262.13	.04551	.21134	38.723	.02001	.00540	2.7247

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01479	.24669	.02872	.00203	.00972	****	****	1.5314
Stddev	.00055	.00261	.00023	.00349	.00008	----	----	.0065
%RSD	3.7072	1.0569	.80346	172.23	.84254	----	----	.42085

#1	.01518	.24853	.02855	.00449	.00977	3704.	12120.	1.5269
#2	.01441	.24484	.02888	-.00044	.00966	3811.	12420.	1.5360

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3127.3	4715.1	27295.	10305.
Stddev	10.2	5.8	42.	210.
%RSD	.32687	.12345	.15486	2.0380

#1	3134.5	4719.2	27325.	10157.
#2	3120.0	4711.0	27265.	10454.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0063	.83599	.00501	.0071	.0030	.02277	.00844	-0.0002	5.4129
Stddev	.00149	.02897	.00292	.0021	.0015	.00011	.00001	.00001	.0189
%RSD	237.62	3.4648	58.206	29.58	50.67	.48789	.14715	31.844	.34935
#1	-.00168	.85647	.00707	.0056	.0041	.02269	.00845	-.00001	5.4262
#2	.00043	.81551	.00295	.0086	.0019	.02285	.00843	-.00002	5.3995

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01965	.00385	.09666	.02453	.55916	8.6349	9.4280	.00178	1.6686
Stddev	.00011	.00018	.00054	.00023	.00183	.0142	.1146	.00057	.0081
%RSD	.55062	4.7187	.56280	.92328	.32760	.16411	1.2152	31.959	.48834
#1	.01957	.00372	.09628	.02437	.55787	8.6449	9.5090	.00219	1.6628
#2	.01972	.00398	.09705	.02469	.56046	8.6248	9.3470	.00138	1.6743

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01523	.01849	51.900	.00831	.04134	7.3105	.00304	.00078	.52056
Stddev	.00006	.00020	.148	.00018	.00010	.0071	.00046	.00172	.00002
%RSD	.41611	1.0630	.28599	2.1825	.24330	.09690	14.982	220.02	.00460
#1	.01518	.01863	52.005	.00844	.04127	7.3155	.00272	.00200	.52058
#2	.01527	.01836	51.795	.00818	.04141	7.3055	.00336	-.00043	.52055

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00263	.04847	.00540	.00008	.00199	*****	*****	.30264
Stddev	.00019	.00001	.00049	.00234	.00012	----	----	.00159
%RSD	7.2268	.02863	9.1676	2761.9	5.8887	----	----	.52440
#1	.00249	.04848	.00575	-.00157	.00207	3785.	12370.	.30376
#2	.00276	.04846	.00505	.00174	.00190	3795.	12440.	.30151

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3460.3	4941.7	29029.	10384.
Stddev	10.2	8.4	78.	26.
%RSD	.29491	.16959	.26896	.24592
#1	3453.1	4935.8	28974.	10365.
#2	3467.6	4947.6	29084.	10402.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0140	4.2858	1.0462	.9819	1.000	.13771	1.0235	1.0028	27.341
Stddev	.0035	.0083	.0027	.0040	.005	.00019	.0075	.0085	.283
%RSD	.34175	.19250	.25512	.4028	.4663	.13991	.72934	.84315	1.0362

#1	1.0165	4.2799	1.0443	.9847	.9967	.13785	1.0288	1.0088	27.541
#2	1.0116	4.2916	1.0481	.9791	1.003	.13758	1.0183	.99682	27.140

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1002	1.0334	1.4857	1.1009	2.8459	44.178	56.541	.01474	8.2833
Stddev	.0008	.0017	.0055	.0049	.0312	.371	.510	.00042	.0441
%RSD	.07402	.16058	.37060	.44443	1.0949	.83878	.90269	2.8364	.53293

#1	1.1008	1.0322	1.4896	1.1043	2.8679	44.440	56.902	.01444	8.3145
#2	1.0997	1.0346	1.4818	1.0974	2.8239	43.916	56.180	.01504	8.2521

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0330	1.0943	262.70	1.0385	1.1970	38.814	1.0595	1.0103	2.8344
Stddev	.0035	.0022	2.20	.0006	.0018	.135	.0017	.0005	.0127
%RSD	.34262	.20427	.83719	.06104	.15021	.34812	.16081	.04614	.44681

#1	1.0355	1.0959	264.26	1.0390	1.1983	38.909	1.0607	1.0100	2.8254
#2	1.0305	1.0927	261.15	1.0381	1.1957	38.718	1.0583	1.0106	2.8433

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01469	.24578	.03002	.96088	.98969	*****	*****	2.6236
Stddev	.00051	.00256	.00038	.00125	.00168	----	----	.0022
%RSD	3.4646	1.0432	1.2663	.12997	.16974	----	----	.08460

#1	.01505	.24759	.02975	.96000	.99088	3649.	11860.	2.6220
#2	.01433	.24397	.03028	.96177	.98851	3723.	12080.	2.6251

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3120.5	4730.5	27110.	9990.8
Stddev	1.7	2.1	16.	121.4
%RSD	.05534	.04414	.05734	1.2153

#1	3121.7	4729.0	27099.	9905.0
#2	3119.3	4732.0	27121.	10077.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0402	4.2271	1.0600	1.006	1.020	.13280	1.0535	1.0218	26.792
Stddev	.0006	.0391	.0057	.008	.002	.00021	.0052	.0061	.203
%RSD	.06145	.92610	.53542	.7833	.1986	.16188	.49218	.59996	.75753

#1	1.0397	4.2548	1.0560	1.011	1.019	.13295	1.0572	1.0262	26.935
#2	1.0406	4.1994	1.0640	1.000	1.022	.13265	1.0498	1.0175	26.648

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1312	1.0496	1.4949	1.1267	2.7864	43.695	56.919	.01414	8.0735
Stddev	.0008	.0000	.0069	.0036	.0217	.193	.072	.00034	.0081
%RSD	.07550	.00063	.46067	.32048	.77883	.44160	.12636	2.4009	.10070

#1	1.1306	1.0496	1.4900	1.1242	2.8017	43.832	56.970	.01438	8.0677
#2	1.1318	1.0496	1.4998	1.1293	2.7710	43.559	56.868	.01390	8.0792

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0442	1.1321	258.82	1.0619	1.2116	37.871	1.0900	1.0255	2.6938
Stddev	.0009	.0011	1.60	.0017	.0006	.065	.0031	.0009	.0055
%RSD	.08265	.09826	.61837	.15941	.04810	.17250	.28083	.08502	.20281

#1	1.0436	1.1313	259.95	1.0631	1.2120	37.825	1.0878	1.0261	2.6900
#2	1.0448	1.1329	257.68	1.0607	1.2112	37.917	1.0921	1.0249	2.6977

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01391	.24183	.02402	.95418	1.0010	*****	*****	2.5770
Stddev	.00036	.00124	.00068	.00085	.0018	----	----	.0014
%RSD	2.5898	.51391	2.8441	.08907	.18242	----	----	.05349

#1	.01416	.24271	.02353	.95358	.99969	3734.	12200.	2.5761
#2	.01365	.24095	.02450	.95478	1.0023	3771.	12310.	2.5780

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3151.6	4748.4	27576.	10235.
Stddev	2.7	9.9	45.	66.
%RSD	.08496	.20935	.16230	.64544

#1	3153.4	4755.5	27608.	10188.
#2	3149.7	4741.4	27545.	10281.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0342	4.3036	1.0574	.9943	1.012	.13778	1.0412	1.0082	27.460
Stddev	.0007	.0508	.0015	.0037	.003	.00007	.0167	.0198	.649
%RSD	.07004	1.1796	.14155	.3746	.2988	.05031	1.6054	1.9649	2.3630

#1	1.0337	4.3395	1.0563	.9916	1.014	.13773	1.0530	1.0222	27.919
#2	1.0347	4.2677	1.0585	.9969	1.009	.13783	1.0294	.99423	27.001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1307	1.0447	1.5061	1.1256	2.8667	44.725	57.808	.01452	8.3158
Stddev	.0003	.0002	.0036	.0010	.0558	.805	.038	.00067	.0071
%RSD	.02268	.01988	.24134	.08997	1.9456	1.8002	.06652	4.6137	.08527

#1	1.1305	1.0449	1.5087	1.1249	2.9061	45.294	57.781	.01405	8.3208
#2	1.1309	1.0446	1.5036	1.1263	2.8273	44.156	57.836	.01499	8.3108

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0450	1.1306	265.90	1.0585	1.2158	39.235	1.0834	1.0204	2.8349
Stddev	.0019	.0021	4.97	.0006	.0014	.109	.0008	.0016	.0331
%RSD	.18004	.18686	1.8680	.05791	.11737	.27860	.07484	.16038	1.1686

#1	1.0463	1.1321	269.41	1.0590	1.2168	39.313	1.0840	1.0192	2.8583
#2	1.0437	1.1291	262.39	1.0581	1.2148	39.158	1.0828	1.0215	2.8115

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01448	.24864	.02862	.94898	.99360	*****	*****	2.6261
Stddev	.00050	.00403	.00107	.00113	.00057	----	----	.0099
%RSD	3.4736	1.6220	3.7227	.11858	.05703	----	----	.37746

#1	.01483	.25150	.02787	.94978	.99320	3718.	12090.	2.6331
#2	.01412	.24579	.02938	.94819	.99400	3810.	12430.	2.6191

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3126.1	4713.9	27428.	10236.
Stddev	4.0	2.1	36.	217.
%RSD	.12753	.04545	.13052	2.1194

#1	3123.3	4712.4	27403.	10083.
#2	3128.9	4715.4	27453.	10390.

Sample Name: CCV Acquired: 11/13/2012 17:52:45 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49837	24.266	49343	5050	4929	50004	49629	48575	24.594	49690	48487	50018	48625
Stddev	.00187	.108	.00317	.0028	.0063	.00133	.00232	.00229	.061	.00034	.00012	.00083	.00372
%RSD	.37444	.44709	.64151	.5505	1.275	.26552	.46794	.47052	.24909	.06869	.02545	.16514	.76589

#1	.49969	24.190	.49567	.5031	.4973	.49910	.49793	.48413	24.551	.49666	.48496	.50076	.48889
#2	.49705	24.343	.49119	.5070	.4885	.50098	.49464	.48737	24.638	.49714	.48478	.49959	.48362

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.384	24.613	24.853	48660	23.650	49079	50117	25.007	49313	48933	24.536	51686	49931
Stddev	.184	.130	.216	.00374	.037	.00100	.00067	.236	.00034	.00322	.003	.00082	.00186
%RSD	.75405	.52902	.86977	.76830	.15518	.20348	.13467	.94199	.06976	.65764	.01173	.15910	.37162

#1	24.254	24.521	24.700	.48396	23.676	.49150	.50165	24.840	.49337	.48705	24.534	.51744	.50062
#2	24.514	24.705	25.006	.48924	23.624	.49008	.50069	25.173	.49288	.49160	24.538	.51628	.49800

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	24.819	50078	50388	49543	49271	48729	z *****	z *****	49284
Stddev	.121	.00177	.00388	.00143	.00186	.00235	-----	-----	.00107
%RSD	.48667	.35248	.76992	.28962	.37759	.48274	-----	-----	.21718

#1	24.733	.49954	.50113	.49645	.49402	.48896	z 3754.	z 12260.	.49209
#2	24.904	.50203	.50662	.49442	.49139	.48563	z 3770.	z 12290.	.49360

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3335.2	4902.1	28420.	10250.
Stddev	.1	1.4	28.	17.
%RSD	.00371	.02946	.09685	.16744

#1	3335.3	4903.1	28440.	10237.
#2	3335.1	4901.1	28401.	10262.

Sample Name: CCB Acquired: 11/13/2012 17:54:55 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0023	.15214	-0.0141	.0036	.0009	-0.0221	.00001	F .01131	.34692	-0.0009	.00003	-0.0019
Stddev	.00068	.15818	.00091	.0004	.0010	.00035	.00002	.01533	.46032	.00011	.00015	.00002
%RSD	295.76	103.97	64.719	9.685	120.9	15.921	150.65	135.55	132.69	119.53	445.11	8.0382

#1	-0.0072	.04029	-0.0077	.0039	.0016	-0.0196	.00002	.00047	.02143	-0.0001	-0.0007	-0.0020
#2	.00025	.26399	-0.0206	.0034	.0001	-0.0246	.00000	.02215	.67241	-0.0017	.00014	-0.0018

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								.00200				
Low Limit								-.00200				

Elem	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00135	F .11667	F .52339	.00226	.00177	.00170	-0.0007	.00086	F 2.5892	.00022	-0.00042	.02024
Stddev	.00009	.15854	.69127	.00048	.00379	.00275	.00005	.00007	3.4309	.00047	.00015	.00320
%RSD	6.7296	135.89	132.07	21.428	214.45	161.71	66.069	7.7788	132.51	211.56	35.175	15.829

#1	.00142	.00457	.03459	.00260	-.00091	.00364	-.00004	.00081	.16316	-.00011	-.00052	.01798
#2	.00129	.22878	1.0122	.00192	.00445	-.00024	-.00011	.00091	5.0152	.00056	-.00032	.02251

Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.05000	.50000						1.0000			
Low Limit		-.05000	-.50000						-.50000			

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00033	.00178	.12415	-0.00046	.00428	.00045	-0.00047	.00026	z *****	z *****	-0.00005
Stddev	.00033	.00032	.17813	.00016	.00580	.00003	.00009	.00006	----	----	.00100
%RSD	98.652	17.892	143.48	33.987	135.33	6.7141	19.762	22.775	----	----	1960.4

#1	-.00056	.00201	-.00181	-.00035	.00018	.00043	-.00040	.00022	z 3723.	z 12190.	-.00076
#2	-.00010	.00156	.25010	-.00057	.00838	.00047	-.00053	.00030	z 3733.	z 12220.	.00066

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit											
Low Limit											

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3545.3	4945.3	29134.	10198.
Stddev	.4	8.1	10.	14.
%RSD	.01145	.16475	.03346	.13845

#1	3545.6	4939.5	29141.	10188.
#2	3545.0	4951.0	29127.	10208.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0011	.01847	.00211	.0046	.0058	-0.0101	.00018	-0.0004	.04116
Stddev	.00023	.00481	.00274	.0037	.0009	.00095	.00000	.00005	.00083
%RSD	201.81	26.026	129.47	81.25	15.59	94.520	1.4720	114.47	2.0136
#1	-.00028	.02187	.00018	.0020	.0052	-.00168	.00018	-.00001	.04174
#2	.00005	.01507	.00405	.0072	.0065	-.00033	.00018	-.00007	.04057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00273	.00244	.00071	.00139	.03117	.03431	.02326	-0.0016	.00429
Stddev	.00426	.00367	.00007	.00024	.00068	.00089	.00021	.00083	.00007
%RSD	155.85	150.17	9.4889	17.365	2.1728	2.5839	8.9572	527.36	1.5566
#1	-.00028	-.00015	.00075	.00122	.03069	.03369	.02341	.00043	.00433
#2	.00574	.00503	.00066	.00157	.03165	.03494	.02311	-.00074	.00424
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00100								
Low Limit	-.00100								
Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00021	.00343	-0.00658	.00243	.00287	.13652	.00408	.00427	.34638
Stddev	.00006	.00415	.00023	.00371	.00530	.15266	.00331	.00591	.00538
%RSD	27.122	120.72	3.4844	152.84	184.52	111.82	81.069	138.39	1.5546
#1	.00017	.00050	-.00674	-.00020	-.00088	.02857	.00174	.00009	.34257
#2	.00025	.00637	-.00642	.00505	.00662	.24446	.00643	.00845	.35019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									
Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062	
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}	
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)	
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm	
Avg	F .03158	-0.0002	.00013	.00038	.00028	F *****	*****	.00253	
Stddev	.00032	.00007	.00007	.00313	.00004	----	----	.00025	
%RSD	1.0135	329.57	51.238	819.46	13.560	----	----	10.016	
#1	.03135	.00003	.00008	-.00183	.00030	3700.	12070.	.00235	
#2	.03181	-.00007	.00018	.00260	.00025	3685.	12000.	.00271	
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	
High Limit	.01000					12.00			
Low Limit	-.01000					8.000			
Int. Std.	ln2306	Y_2243	Y_3600	Y_3774					
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}					
Units	Cts/S	Cts/S	Cts/S	Cts/S					
Avg	3524.1	4895.8	29017.	10056.					
Stddev	4.0	.5	127.	28.					
%RSD	.11375	.01017	.43630	.27459					
#1	3521.2	4895.5	28927.	10076.					
#2	3526.9	4896.2	29106.	10036.					

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	39426	65.762	1.5261	1.579	1.538	82618	1.8844	99299	61.343
Stddev	.00071	.053	.0042	.012	.007	.00052	.0001	.00181	.173
%RSD	.18126	.08011	.27513	.7639	.4422	.06350	.00352	.18238	.28202

#1	.39375	65.725	1.5231	1.570	1.543	.82581	1.8844	.99170	61.221
#2	.39476	65.799	1.5291	1.587	1.534	.82655	1.8843	.99427	61.465

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	95222	1.2361	1.0913	1.0610	91.064	26.071	24.848	0.6890	21.881
Stddev	.00100	.0005	.0016	.0001	.129	.053	.129	.00029	.002
%RSD	.10459	.04037	.14917	.00807	.14185	.20316	.52082	.41548	.01007

#1	.95151	1.2364	1.0901	1.0611	90.973	26.109	24.939	.06870	21.883
#2	.95292	1.2357	1.0924	1.0609	91.156	26.034	24.756	.06911	21.880

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.8875	59533	3.1304	66429	90351	2.3243	62733	1.1898	19.488
Stddev	.0016	.00046	.0018	.00006	.00085	.0037	.00162	.0027	.006
%RSD	.05555	.07652	.05763	.00900	.09374	.15862	.25868	.22865	.03317

#1	2.8864	.59501	3.1291	.66424	.90411	2.3269	.62848	1.1879	19.483
#2	2.8887	.59565	3.1317	.66433	.90291	2.3217	.62619	1.1917	19.492

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	1.1685	1.2051	2.3257	1.9651	.73378	*****	*****	2.4525
Stddev	.0008	.0015	.0070	.0080	.00010	----	----	.0045
%RSD	.06466	.12806	.29970	.40788	.01322	----	----	.18349

#1	1.1691	1.2040	2.3306	1.9594	.73371	3852.	12580.	2.4493
#2	1.1680	1.2062	2.3208	1.9707	.73385	3833.	12520.	2.4556

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3186.7	4951.6	29090.	10516.
Stddev	1.0	2.5	15.	23.
%RSD	.03139	.05098	.05254	.22223

#1	3186.0	4949.8	29079.	10532.
#2	3187.4	4953.4	29101.	10499.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-00171	17.782	.03357	.0449	.0235	.02365	.13800	.00100	F 1114.0
Stddev	.00027	.188	.00483	.0024	.0046	.00208	.00044	.00002	8.6
%RSD	15.792	1.0595	14.385	5.285	19.50	8.8154	.32202	2.4825	.77080

#1	-.00191	17.915	.03698	.0466	.0268	.02512	.13769	.00098	1120.1
#2	-.00152	17.648	.03015	.0432	.0203	.02218	.13831	.00102	1107.9

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									1000.0
Low Limit									-50000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01819	.02129	.03253	.07983	49.727	4.8094	7.7191	.07182	55.851
Stddev	.00199	.00253	.00021	.00066	.164	.0805	.0605	.00084	.218
%RSD	10.940	11.861	.65465	.83218	.32956	1.6739	.78432	1.1721	.38953

#1	.01960	.02308	.03238	.08030	49.843	4.8663	7.6763	.07242	55.697
#2	.01678	.01951	.03268	.07936	49.612	4.7525	7.7619	.07123	56.004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.5514	.00613	1.3381	.06093	.05107	2.4563	.00194	.00116	9.2119
Stddev	.0052	.00139	.0148	.00060	.00186	.0044	.00036	.00831	.0880
%RSD	.33797	22.729	1.1058	.98811	3.6463	.17995	18.697	718.91	.95550

#1	1.5477	.00712	1.3485	.06135	.05238	2.4595	.00219	.00703	9.2741
#2	1.5551	.00515	1.3276	.06050	.04975	2.4532	.00168	-.00472	9.1496

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.03158	.78014	.37801	-.00026	.03954	*****	*****	1.3279
Stddev	.00246	.00746	.00409	.00386	.00079	----	----	.0044
%RSD	7.7867	.95651	1.0815	1498.5	1.9909	----	----	.33349

#1	.03331	.78541	.37512	.00247	.04010	3713.	12140.	1.3248
#2	.02984	.77486	.38090	-.00299	.03898	3757.	12250.	1.3311

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2679.4	4495.8	26392.	10187.
Stddev	.6	4.1	89.	99.
%RSD	.02089	.09018	.33593	.96855

#1	2679.0	4492.9	26455.	10117.
#2	2679.8	4498.6	26330.	10257.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0102	3.8445	.00608	.0127	.0072	.00221	.03107	.00023	263.78
Stddev	.00063	.0050	.00109	.0003	.0007	.00040	.00064	.00002	.64
%RSD	61.870	.12940	17.987	2.546	9.265	18.088	2.0464	7.6353	.24349

#1	-.00057	3.8410	.00530	.0129	.0068	.00250	.03062	.00024	264.23
#2	-.00147	3.8480	.00685	.0125	.0077	.00193	.03152	.00022	263.33

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00345	.00383	.00724	.01804	11.588	1.0431	1.3024	.01317	13.081
Stddev	.00008	.00000	.00024	.00010	.045	.0003	.0253	.00074	.169
%RSD	2.4011	.05235	3.3488	.52665	.38619	.03065	1.9427	5.6303	1.2947

#1	.00350	.00383	.00742	.01797	11.620	1.0433	1.2845	.01369	12.962
#2	.00339	.00383	.00707	.01811	11.557	1.0429	1.3202	.01264	13.201

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.35392	.00091	.25328	.01235	.01116	.51784	-.00269	-.00034	2.3135
Stddev	.00481	.00017	.00196	.00003	.00125	.00532	.00132	.00012	.0063
%RSD	1.3591	18.432	.77540	.25726	11.214	1.0281	49.081	36.893	.27014

#1	.35052	.00079	.25189	.01233	.01028	.51408	-.00176	-.00025	2.3091
#2	.35732	.00103	.25467	.01237	.01205	.52161	-.00362	-.00042	2.3179

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00468	.16626	.08785	-.00121	.00927	*****	*****	.31697
Stddev	.00058	.00002	.00258	.00004	.00039	----	----	.00378
%RSD	12.478	.00946	2.9424	3.2211	4.2553	----	----	1.1934

#1	.00427	.16625	.08602	-.00118	.00899	3855.	12590.	.31429
#2	.00510	.16627	.08968	-.00124	.00955	3859.	12590.	.31964

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3289.9	4938.5	28733.	10515.
Stddev	13.3	19.6	337.	15.
%RSD	.40488	.39785	1.1735	.14589

#1	3299.3	4952.4	28972.	10505.
#2	3280.4	4924.6	28495.	10526.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10158	36.318	.43742	.4287	.3925	.43192	.49294	.37601	F 1043.2
Stddev	.00121	.013	.00236	.0044	.0009	.00034	.00105	.00119	8.5
%RSD	1.1917	.03619	.53957	1.036	.2273	.07976	.21229	.31732	.81092

#1	.10072	36.327	.43575	.4256	.3931	.43168	.49220	.37517	1037.2
#2	.10243	36.309	.43908	.4319	.3918	.43216	.49368	.37686	1049.2

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									1000.0
Low Limit									-50000

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.41771	.42927	.39021	.45987	63.131	24.449	36.183	.46937	68.832
Stddev	.00095	.00006	.00243	.00102	.453	.094	.031	.00053	.259
%RSD	.22667	.01476	.62189	.22205	.71762	.38477	.08586	.11341	.37699

#1	.41704	.42931	.38850	.45915	62.811	24.383	36.161	.46975	68.649
#2	.41838	.42922	.39193	.46059	63.452	24.516	36.205	.46900	69.016

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7833	.39269	21.662	.46089	.44890	2.3150	.41822	.40122	30.085
Stddev	.0050	.00166	.034	.00011	.00091	.0014	.00074	.00227	.008
%RSD	.27866	.42370	.15580	.02466	.20343	.06169	.17791	.56615	.02644

#1	1.7798	.39151	21.638	.46081	.44954	2.3140	.41770	.40283	30.079
#2	1.7869	.39387	21.685	.46097	.44825	2.3161	.41875	.39962	30.091

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.42484	1.1182	.74869	.36565	.40106	*****	*****	1.5700
Stddev	.00151	.0012	.00366	.00397	.00192	----	----	.0068
%RSD	.35565	.11022	.48862	1.0870	.47949	----	----	.43458

#1	.42377	1.1174	.74610	.36284	.39970	3823.	12480.	1.5651
#2	.42591	1.1191	.75128	.36846	.40242	3814.	12490.	1.5748

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2676.6	4498.2	26694.	10397.
Stddev	2.3	2.4	24.	10.
%RSD	.08426	.05279	.09166	.10078

#1	2675.0	4496.5	26711.	10405.
#2	2678.2	4499.9	26677.	10390.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09226	60.222	4.0927	4.462	.3875	.41003	.52068	.35977	261.09
Stddev	.00030	.106	.00195	.0021	.0017	.00061	.00151	.00036	.33
%RSD	.32027	.17552	.47636	.4769	.4353	.14836	.29010	.10107	.12465

#1	.09247	60.297	.40789	.4477	.3887	.41046	.52174	.36003	261.32
#2	.09206	60.147	.41065	.4447	.3863	.40960	.51961	.35951	260.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.38430	.40311	.40811	.45352	94.914	25.985	30.026	.45583	70.530
Stddev	.00010	.00418	.00182	.00041	.409	.064	.147	.00032	.229
%RSD	.02665	1.0366	.44658	.09136	.43079	.24476	.48924	.07091	.32406

#1	.38423	.40016	.40940	.45381	95.203	26.030	30.130	.45606	70.691
#2	.38437	.40607	.40682	.45322	94.625	25.940	29.922	.45560	70.368

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3732	.36654	20.054	.44988	.41799	1.5725	.35025	.35967	32.535
Stddev	.0027	.00007	.018	.00716	.00461	.0858	.00461	.00011	.090
%RSD	.11496	.01864	.09224	1.5911	1.1033	5.4575	1.3176	.03020	.27737

#1	2.3752	.36659	20.067	.44482	.41473	1.6332	.35351	.35975	32.599
#2	2.3713	.36649	20.040	.45494	.42125	1.5118	.34699	.35960	32.472

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.40520	.64840	1.0931	.35058	.42368	*****	*****	1.9610
Stddev	.00881	.00112	.0037	.00256	.00085	----	----	.0060
%RSD	2.1740	.17243	.34275	.73118	.20065	----	----	.30366

#1	.39897	.64919	1.0957	.34877	.42428	3824.	12530.	1.9653
#2	.41143	.64761	1.0904	.35239	.42308	3833.	12580.	1.9568

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2939.7	4695.1	27879.	10484.
Stddev	23.3	3.5	143.	33.
%RSD	.79150	.07438	.51278	.31448

#1	2956.1	4692.7	27778.	10461.
#2	2923.2	4697.6	27980.	10507.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09507	64.307	4.0730	4.445	3.841	4.2996	5.2281	3.6273	410.26
Stddev	.00034	.014	.00406	.0015	.0031	.00040	.00034	.00094	.25
%RSD	.35737	.02170	.99791	.3411	.8093	.09403	.06411	.25813	.06064

#1	.09483	64.297	.41017	.4435	.3819	.43025	.52257	.36339	410.44
#2	.09531	64.317	.40442	.4456	.3863	.42968	.52304	.36207	410.09

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.39295	4.1338	4.2386	4.6522	100.97	28.038	34.175	4.7126	81.297
Stddev	.00004	.00120	.00181	.00002	.35	.051	.214	.00167	.330
%RSD	.00916	.29068	.42681	.00437	.34225	.18355	.62630	.35526	.40597

#1	.39292	.41253	.42258	.46520	101.21	28.002	34.024	.47245	81.063
#2	.39297	.41423	.42513	.46523	100.72	28.075	34.326	.47008	81.530

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.1844	3.7018	20.479	4.7197	4.3215	5.2168	3.4811	3.6809	31.874
Stddev	.0059	.00070	.043	.00034	.00036	.0174	.00160	.00031	.167
%RSD	.26846	.18833	.21168	.07222	.08445	.33260	.45913	.08385	.52471

#1	2.1803	.37067	20.509	.47221	.43241	5.2045	.34924	.36788	31.992
#2	2.1886	.36968	20.448	.47173	.43189	5.2290	.34698	.36831	31.756

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	4.0989	.79187	.95370	.35069	4.3592	*****	*****	3.0917
Stddev	.00108	.00213	.00014	.00129	.00150	----	----	.0145
%RSD	.26321	.26960	.01453	.36664	.34464	----	----	.46974

#1	.41065	.79338	.95361	.35160	.43699	3745.	12260.	3.0815
#2	.40912	.79036	.95380	.34978	.43486	3772.	12360.	3.1020

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2861.5	4641.8	27260.	10256.
Stddev	2.7	4.7	45.	68.
%RSD	.09515	.10110	.16598	.66391

#1	2863.4	4645.1	27292.	10208.
#2	2859.6	4638.5	27228.	10304.

Sample Name: 480-28183-B-1-A Acquired: 11/13/2012 18:13:04 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00122	23.701	.04259	.0673	.0294	.19484	9.7504	.00108	17.472
Stddev	.00090	.104	.00253	.0023	.0018	.00068	.0999	.00000	.071
%RSD	73.619	.43739	5.9301	3.422	6.275	.35092	1.0248	.08006	.40622

#1	.00058	23.774	.04438	.0689	.0281	.19436	9.8210	.00108	17.522
#2	.00185	23.627	.04081	.0656	.0307	.19532	9.6797	.00108	17.422

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02206	.02686	.19126	2.6725	72.335	6.2978	5.6020	.03567	9.3823
Stddev	.00012	.00010	.00043	.0000	.219	.0536	.0084	.00001	.0131
%RSD	.52632	.37215	.22241	.00012	.30229	.85112	.15043	.02900	.13952

#1	.02214	.02679	.19156	2.6725	72.489	6.3357	5.6080	.03566	9.3916
#2	.02198	.02693	.19096	2.6725	72.180	6.2599	5.5961	.03568	9.3731

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.82326	.49111	2.0439	.27427	2.6361	30.669	.02657	.00454	7.5863
Stddev	.00123	.00010	.0042	.00060	.0082	.020	.00141	.00347	.0189
%RSD	.14917	.01951	.20335	.21976	.30980	.06634	5.3211	76.497	.24900

#1	.82413	.49118	2.0469	.27385	2.6303	30.684	.02557	.00699	7.5729
#2	.82239	.49105	2.0410	.27470	2.6419	30.655	.02757	.00208	7.5996

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.21142	.37649	1.8779	-.00797	.75375	****	****	3.4373
Stddev	.00065	.00138	.0040	.00059	.00053	----	----	.0078
%RSD	.30615	.36694	.21336	7.4135	.06999	----	----	.22655

#1	.21097	.37747	1.8807	-.00839	.75412	3748.	12290.	3.4318
#2	.21188	.37551	1.8751	-.00756	.75338	3770.	12380.	3.4428

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3373.1	4959.6	28993.	10270.
Stddev	.1	4.2	33.	41.
%RSD	.00281	.08520	.11351	.40408

#1	3373.2	4956.6	28970.	10241.
#2	3373.0	4962.6	29016.	10299.

Sample Name: 480-28193-A-1-A Acquired: 11/13/2012 18:15:26 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	53.508	.03566	.0909	.0341	.01597	.30699	.00313	8.4792
Stddev	.00013	.013	.00245	.0017	.0001	.00010	.00071	.00001	.0125
%RSD	72.769	.02518	6.8745	1.882	.2164	.60789	.23278	.25591	.14701

#1	.00028	53.517	.03739	.0896	.0340	.01604	.30749	.00313	8.4704
#2	.00009	53.498	.03393	.0921	.0341	.01590	.30648	.00312	8.4880

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00087	.04538	.07214	.09621	98.242	3.6634	3.3427	.06258	11.241
Stddev	.00001	.00032	.00003	.00010	.226	.0032	.0059	.00007	.030
%RSD	1.3291	.71460	.04632	.09939	.23033	.08661	.17728	.10515	.26448

#1	.00088	.04561	.07211	.09614	98.402	3.6611	3.3468	.06254	11.262
#2	.00086	.04515	.07216	.09627	98.082	3.6656	3.3385	.06263	11.220

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.5281	.00720	.42348	.10822	.04884	.71186	-.00139	.00206	10.889
Stddev	.0024	.00002	.00201	.00072	.00140	.00701	.00105	.00002	.037
%RSD	.15402	.25541	.47412	.66309	2.8618	.98416	75.436	.76725	.33908

#1	1.5298	.00719	.42490	.10873	.04983	.71682	-.00065	.00205	10.863
#2	1.5265	.00721	.42206	.10771	.04785	.70691	-.00213	.00207	10.915

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02481	.04609	.84048	-.00416	.11533	*****	*****	.24514
Stddev	.00055	.00003	.00142	.00190	.00092	----	----	.00046
%RSD	2.2091	.06981	.16906	45.558	.79335	----	----	.18824

#1	.02520	.04611	.84148	-.00282	.11598	3917.	12820.	.24482
#2	.02442	.04606	.83947	-.00550	.11469	3927.	12800.	.24547

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3344.1	5162.3	30178.	10688.
Stddev	8.8	3.1	26.	22.
%RSD	.26268	.05939	.08548	.20387

#1	3337.9	5160.1	30159.	10672.
#2	3350.3	5164.4	30196.	10703.

Sample Name: 480-28193-A-2-A Acquired: 11/13/2012 18:17:38 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0107	75.557	.09657	.1864	.1021	.02174	.54626	.00585	36.336
Stddev	.00043	.486	.00202	.0021	.0022	.00055	.00002	.00105	1.197
%RSD	40.476	.64268	2.0920	1.147	2.188	2.5272	.00284	17.962	3.2950

#1	-.00076	75.214	.09800	.1849	.1037	.02212	.54625	.00659	37.182
#2	-.00138	75.900	.09514	.1880	.1005	.02135	.54627	.00510	35.489

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00358	.08590	.10662	.26078	192.30	4.9493	4.9782	.09971	21.043
Stddev	.00004	.00112	.00037	.00019	1.44	.0526	.0293	.00063	.045
%RSD	1.2564	1.3028	.35048	.07218	.75091	1.0619	.58788	.63196	.21524

#1	.00355	.08669	.10688	.26091	191.28	4.9864	4.9576	.10015	21.011
#2	.00361	.08511	.10635	.26065	193.33	4.9121	4.9989	.09926	21.075

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.2221	.01458	4.3441	.20488	.16518	.56964	-.00463	.00243	14.153
Stddev	.0037	.00018	.05237	.00364	.00008	.00961	.00228	.00300	.037
%RSD	.07048	1.2018	12.055	1.7757	.04652	1.6863	49.109	123.72	.26142

#1	5.2195	.01470	.47144	.20745	.16523	.57644	-.00624	.00030	14.127
#2	5.2247	.01446	.39738	.20230	.16512	.56285	-.00303	.00455	14.179

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01817	.10961	.82175	-.00276	.17545	*****	*****	.49362
Stddev	.00006	.00197	.00095	.00018	.00019	----	----	.00300
%RSD	.33009	1.7978	.11560	6.4126	.10890	----	----	.60766

#1	.01821	.11100	.82108	-.00263	.17559	4094.	13390.	.49149
#2	.01812	.10822	.82242	-.00288	.17532	4081.	13360.	.49574

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3261.0	5340.7	31141.0	11170.0
Stddev	37.2	62.3	55.	20.
%RSD	1.1394	1.1667	.17742	.17551

#1	3234.7	5296.7	31102.	11184.
#2	3287.2	5384.8	31180.	11156.

Sample Name: CCV Acquired: 11/13/2012 18:19:54 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49492	24.374	49031	5143	4954	49834	48572	49039	25.143	49381	48153	50130	47720
Stddev	.00149	.273	.00207	.0013	.0007	.00100	.00013	.00401	.284	.00033	.00095	.00096	.00054
%RSD	.30106	1.1187	.42129	.2487	.1344	.20083	.02628	.81811	1.1283	.06746	.19678	.19157	.11299

#1	.49597	24.567	.48885	.5134	.4958	.49763	.48581	.49323	25.344	.49404	.48220	.50062	.47758
#2	.49387	24.181	.49177	.5152	.4949	.49905	.48563	.48756	24.943	.49357	.48086	.50197	.47682

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.831	24.640	23.956	48355	23.399	48834	49777	25.156	49031	48596	24.431	51166	49476
Stddev	.353	.148	.142	.00206	.045	.00183	.00051	.255	.00043	.00075	.011	.00017	.00335
%RSD	1.4222	.60121	.59370	.42679	.19023	.37392	.10287	1.0138	.08792	.15484	.04550	.03411	.67659

#1	25.080	24.744	23.856	.48501	23.431	.48963	.49741	25.336	.49062	.48650	24.439	.51178	.49712
#2	24.581	24.535	24.057	.48209	23.368	.48705	.49813	24.976	.49001	.48543	24.423	.51154	.49239

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	25.267	49710	50437	49120	48176	48172	z *****	z *****	49547
Stddev	.182	.00129	.00408	.00105	.00147	.00071	-----	-----	.00054
%RSD	.72057	.25924	.80808	.21441	.30488	.14828	-----	-----	.10927

#1	25.395	.49801	.50725	.49195	.48279	.48223	z 3717.	z 12110.	.49585
#2	25.138	.49619	.50149	.49046	.48072	.48122	z 3742.	z 12240.	.49509

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3387.4	4976.2	29050.	10106.
Stddev	2.5	7.6	.	82.
%RSD	.07308	.15300	.00032	.80857

#1	3389.1	4981.6	29050.	10049.
#2	3385.6	4970.8	29050.	10164.

Sample Name: CCB Acquired: 11/13/2012 18:21:58 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0065	.05136	.00010	.0023	.0042	-0.00274	.00033	.00003	.05543	-0.00005	.00009	.00013
Stddev	.00035	.01421	.00005	.0016	.0009	.00061	.00009	.00004	.00972	.00001	.00001	.00040
%RSD	52.802	27.671	47.063	68.61	20.85	22.295	28.107	129.10	17.528	19.667	7.9706	316.20

#1	-0.00041	.06141	.00007	.0035	.0049	-0.00231	.00040	.00006	.06230	-0.00005	.00010	-0.0016
#2	-0.00090	.04131	.00013	.0012	.0036	-0.00317	.00027	.00000	.04856	-0.00006	.00009	.00041

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00143	F .06394	.01046	.00326	-0.00068	.01176	.00042	.00032	.00258	-0.00038	.00044	.00190
Stddev	.00016	.01342	.01799	.00071	.00036	.00038	.00005	.00000	.00038	.00034	.00170	.00031
%RSD	11.461	20.990	171.94	21.698	53.796	3.2397	12.938	.60460	14.580	89.098	387.54	16.350

#1	.00132	.07343	-.00226	.00376	-.00093	.01150	.00046	.00032	.00231	-.00062	-.00077	.00212
#2	.00155	.05445	.02318	.00276	-.00042	.01203	.00038	.00032	.00284	-.00014	.00165	.00168

Check ? High Limit Low Limit
 Chk Pass Chk Fail .05000 -.05000 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00050	.00136	.02803	.00017	.00017	-0.00005	-0.00122	-0.00006	z *****	z *****	-0.00001
Stddev	.00046	.00231	.00134	.00033	.00003	.00032	.00048	.00020	----	----	.00003
%RSD	91.027	169.36	4.7935	193.81	17.998	597.15	38.952	312.25	----	----	297.87

#1	-0.00018	-.00027	.02708	.00040	.00019	-.00028	-.00156	.00008	z 3746.	z 12240.	-.00003
#2	-.00083	.00300	.02898	-.00006	.00015	.00017	-.00089	-.00021	z 3752.	z 12210.	.00001

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3556.4	4981.1	29415.	10188.
Stddev	9.1	6.2	56.	16.
%RSD	.25577	.12450	.19013	.15870

#1	3562.8	4985.5	29375.	10199.
#2	3549.9	4976.7	29454.	10176.

Sample Name: MB 480-90180/1-A Acquired: 11/13/2012 18:24:11 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.00097	-.00120	.0001	.0080	-.00139	.00176	-.00011	.04319
Stddev	.00100	.01294	.00212	.0008	.0001	.00001	.00197	.00004	.00130
%RSD	4507.6	1339.3	175.61	843.6	.8768	1.0548	112.04	33.362	3.0047

#1	-.00069	.01012	-.00270	-.0005	.0080	-.00140	.00036	-.00014	.04227
#2	.00073	-.00818	.00029	.0007	.0079	-.00138	.00315	-.00009	.04411

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00032	-.00006	.00007	.00222	.03101	.04804	.02621	-.00037	.02322
Stddev	.00021	.00026	.00021	.00027	.00302	.01240	.00832	.00153	.02463
%RSD	67.213	428.90	299.78	12.271	9.7495	25.806	31.756	408.35	106.07

#1	.00047	.00012	.00022	.00203	.02887	.05680	.02032	-.00145	.00580
#2	.00017	-.00024	-.00008	.00242	.03314	.03927	.03209	.00071	.04063

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00213	.00102	-.02563	-.00007	.00150	.01307	.00218	-.00193	F .73896
Stddev	.00261	.00032	.00216	.00037	.00033	.01258	.00187	.00309	.00555
%RSD	122.31	31.425	8.4354	555.14	21.673	96.230	86.011	159.95	.75170

#1	.00029	.00125	-.02410	.00020	.00173	.02196	.00350	.00025	.74289
#2	.00398	.00080	-.02716	-.00033	.00127	.00418	.00085	-.00412	.73503

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail
High Limit									.50000
Low Limit									-.50000

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	F .03279	-.00006	.00111	-.00323	.00052	F *****	*****	.00281
Stddev	.00005	.00004	.00073	.00170	.00042	----	----	.00166
%RSD	.16160	72.848	65.610	52.483	81.210	----	----	59.104

#1	.03283	-.00003	.00060	-.00443	.00022	3516.	11510.	.00164
#2	.03275	-.00008	.00163	-.00203	.00082	3565.	11670.	.00399

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.01000					12.00		
Low Limit	-.01000					8.000		

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3440.9	4694.6	28152.	9690.6
Stddev	10.9	5.0	28.	75.8
%RSD	.31658	.10568	.10008	.78259

#1	3448.6	4698.2	28172.	9636.9
#2	3433.2	4691.1	28132.	9744.2

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40222	92.623	1.5824	1.611	1.574	.82892	2.0595	1.0444	64.565
Stddev	.00126	.169	.0135	.004	.010	.00246	.0024	.0008	.007
%RSD	.31427	.18244	.85122	.2623	.6450	.29702	.11869	.08126	.01059

#1	.40311	92.503	1.5729	1.608	1.567	.82718	2.0578	1.0438	64.570
#2	.40133	92.742	1.5920	1.614	1.582	.83066	2.0612	1.0450	64.560

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	96759	1.2941	1.1472	1.1504	116.96	30.473	29.456	.08234	24.957
Stddev	.00411	.0063	.0010	.0013	.43	.047	.119	.00033	.026
%RSD	.42464	.48832	.08630	.10949	.36993	.15582	.40415	.40321	.10443

#1	.96468	1.2896	1.1479	1.1513	116.66	30.440	29.540	.08211	24.939
#2	.97049	1.2985	1.1465	1.1495	117.27	30.507	29.372	.08257	24.976

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.1110	65486	3.3790	69759	72137	2.2506	1.0739	1.2013	23.343
Stddev	.0067	.00352	.0062	.00323	.00087	.0000	.0084	.0011	.073
%RSD	.21523	.53790	.18410	.46245	.12038	.00071	.78025	.08948	.31383

#1	3.1062	.65237	3.3746	.69531	.72198	2.2506	1.0680	1.2006	23.395
#2	3.1157	.65735	3.3834	.69987	.72075	2.2506	1.0798	1.2021	23.291

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	1.3685	1.3023	3.0298	1.9937	.85077	*****	*****	2.5349
Stddev	.0076	.0018	.0003	.0037	.00060	----	----	.0016
%RSD	.55149	.13713	.01038	.18680	.07030	----	----	.06229

#1	1.3631	1.3010	3.0296	1.9910	.85035	3807.	12420.	2.5338
#2	1.3738	1.3036	3.0300	1.9963	.85119	3812.	12480.	2.5360

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3104.6	4833.0	28394.	10408.
Stddev	.2	1.4	59.	28.
%RSD	.00523	.02941	.20624	.27208

#1	3104.5	4832.0	28353.	10388.
#2	3104.7	4834.0	28436.	10428.

Sample Name: 480-28096-A-1-A Acquired: 11/13/2012 18:28:39 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0087	90.140	.03620	.1268	.0225	.03492	.23021	.00704	.44749
Stddev	.00020	.018	.00318	.0030	.0015	.00072	.00045	.00009	.00247
%RSD	23.383	.02035	8.7845	2.359	6.881	2.0504	.19750	1.3481	.55306

#1	-.00101	90.153	.03845	.1289	.0236	.03543	.22989	.00697	.44924
#2	-.00072	90.127	.03395	.1247	.0214	.03442	.23053	.00710	.44574

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00172	.01835	.08047	.13644	166.53	12.186	11.240	.07820	5.9699
Stddev	.00030	.00020	.00001	.00026	.07	.058	.053	.00030	.0172
%RSD	17.396	1.0719	.01496	.18741	.04134	.47707	.47457	.38927	.28778

#1	.00151	.01821	.08046	.13626	166.48	12.145	11.277	.07798	5.9577
#2	.00193	.01849	.08048	.13662	166.58	12.227	11.202	.07841	5.9820

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.57620	.00578	.13336	.04836	2.0686	1.6542	.00046	.00643	22.736
Stddev	.00011	.00015	.00735	.00002	.0039	.0084	.00069	.00422	.082
%RSD	.01986	2.6590	5.5129	.04828	.18986	.50723	149.55	65.647	.36243

#1	.57612	.00567	.12817	.04838	2.0714	1.6602	-.00003	.00344	22.794
#2	.57628	.00589	.13856	.04835	2.0658	1.6483	.00095	.00941	22.678

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02517	.02699	1.2992	-.00251	.17482	*****	*****	1.6619
Stddev	.00006	.00015	.0012	.00068	.00091	----	----	.0014
%RSD	.22628	.55211	.09180	27.076	.52299	----	----	.08408

#1	.02521	.02709	1.2984	-.00298	.17417	3797.	12380.	1.6629
#2	.02513	.02688	1.3000	-.00203	.17547	3797.	12450.	1.6609

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3251.7	4836.0	28707.	10397.
Stddev	4.8	7.8	58.	41.
%RSD	.14858	.16058	.20280	.39683

#1	3248.3	4830.5	28666.	10368.
#2	3255.1	4841.5	28749.	10426.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0108	18.550	.00556	.0294	.0053	.00488	.04665	.00133	.09125
Stddev	.00043	.004	.00129	.0001	.0006	.00024	.00006	.00007	.00100
%RSD	40.166	.02265	23.177	.4432	11.69	4.8717	.13542	5.5367	1.0927

#1	-.00077	18.547	.00648	.0293	.0048	.00505	.04661	.00128	.09195
#2	-.00138	18.553	.00465	.0295	.0057	.00471	.04670	.00138	.09054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	.00365	.01665	.02812	36.201	2.5043	2.0459	.01551	1.3463
Stddev	.00016	.00018	.00022	.00004	.063	.0268	.0037	.00082	.0012
%RSD	46.590	4.9507	1.3289	.12692	.17310	1.0723	.18354	5.2592	.08750

#1	.00045	.00352	.01650	.02815	36.245	2.5233	2.0486	.01493	1.3471
#2	.00023	.00377	.01681	.02810	36.156	2.4853	2.0432	.01608	1.3455

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12013	.00088	-.00601	.00922	4.2840	.35107	.00100	.00262	4.7257
Stddev	.00014	.00018	.01070	.00051	.00090	.00198	.00031	.00027	.0169
%RSD	.11871	19.927	177.83	5.5166	.20973	.56300	30.655	10.465	.35648

#1	.12003	.00076	-.01358	.00886	.42904	.34968	.00121	.00281	4.7376
#2	.12023	.00101	.00155	.00958	.42777	.35247	.00078	.00242	4.7138

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00491	.00537	.26480	-.00129	.03569	*****	*****	.36024
Stddev	.00009	.00001	.00181	.00055	.00025	----	----	.00021
%RSD	1.7396	.19227	.68355	42.669	.69861	----	----	.05698

#1	.00497	.00536	.26608	-.00167	.03551	3878.	12640.	.36038
#2	.00485	.00538	.26352	-.00090	.03586	3888.	12630.	.36009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3600.1	5133.8	30377.	10513.
Stddev	6.3	11.3	25.	14.
%RSD	.17447	.21965	.08278	.13364

#1	3604.5	5141.8	30394.	10503.
#2	3595.6	5125.8	30359.	10523.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09490	104.50	.41340	.4994	.3992	.41251	.60338	.38778	18.742
Stddev	.00145	.83	.00097	.0031	.0021	.00108	.00151	.00286	.168
%RSD	1.5292	.78974	.23516	.6167	.5207	.26178	.24960	.73634	.89424

#1	.09593	103.92	.41409	.4972	.4007	.41327	.60444	.38576	18.624
#2	.09387	105.09	.41271	.5016	.3978	.41174	.60231	.38980	18.861

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.38283	.41618	.45994	.52192	173.59	30.574	30.083	.46427	22.703
Stddev	.00064	.00115	.00032	.00218	1.32	.156	.263	.00123	.047
%RSD	.16620	.27559	.07017	.41836	.76264	.51101	.87359	.26447	.20624

#1	.38328	.41699	.45971	.52346	172.66	30.463	30.269	.46340	22.670
#2	.38238	.41537	.46017	.52037	174.53	30.684	29.897	.46513	22.736

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.91960	.41174	19.765	.43916	2.3637	1.6130	.39312	.38006	40.977
Stddev	.00215	.00071	.066	.00007	.0057	.0113	.00016	.00150	.114
%RSD	.23412	.17363	.33471	.01670	.24266	.69785	.04058	.39393	.27766

#1	.91808	.41224	19.718	.43911	2.3597	1.6050	.39300	.38112	40.897
#2	.92112	.41123	19.812	.43921	2.3678	1.6210	.39323	.37900	41.058

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.39849	.43740	1.6220	.35058	.54471	*****	*****	1.9420
Stddev	.00007	.00112	.0003	.00183	.00158	----	----	.0136
%RSD	.01754	.25564	.01522	.52158	.28990	----	----	.69807

#1	.39854	.43661	1.6218	.34929	.54582	3805.	12470.	1.9325
#2	.39844	.43819	1.6222	.35187	.54359	3761.	12350.	1.9516

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3113.7	4721.6	28047.	10388.
Stddev	5.0	7.2	107.	81.
%RSD	.15950	.15162	.37980	.78198

#1	3110.2	4716.6	27972.	10445.
#2	3117.3	4726.7	28123.	10330.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09291	177.76	40836	.5601	.3904	.44089	.79680	.38301	18.613
Stddev	.00031	.48	.00113	.0027	.0035	.00091	.00136	.00098	.006
%RSD	.33810	.27039	.27744	.4787	.8935	.20528	.17016	.25471	.03420

#1	.09269	177.42	.40756	.5619	.3880	.44153	.79584	.38232	18.608
#2	.09313	178.10	.40916	.5582	.3929	.44025	.79775	.38370	18.617

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.37361	.41043	.51594	.53484	172.24	45.129	43.549	.48534	26.276
Stddev	.00021	.00123	.00056	.00377	.27	.054	.074	.00006	.014
%RSD	.05568	.30076	.10832	.70414	.15635	.11985	.16991	.01336	.05301

#1	.37346	.41131	.51555	.53751	172.05	45.090	43.497	.48530	26.286
#2	.37376	.40956	.51634	.53218	172.43	45.167	43.602	.48539	26.266

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.75681	.39346	19.289	.44589	2.5594	1.2684	.22911	.36601	53.155
Stddev	.00113	.00135	.040	.00074	.0001	.0033	.00133	.00791	.156
%RSD	.14903	.34410	.20629	.16490	.00492	.26095	.58092	2.1603	.29370

#1	.75760	.39442	19.261	.44641	2.5595	1.2661	.23005	.37160	53.265
#2	.75601	.39251	19.317	.44537	2.5593	1.2707	.22817	.36042	53.044

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.34910	.45081	2.6090	.34576	.63881	*****	*****	2.4454
Stddev	.00199	.00058	.0060	.00471	.00224	----	----	.0081
%RSD	.57051	.12873	.23159	1.3623	.35114	----	----	.32950

#1	.35051	.45040	2.6133	.34243	.64040	3804.	12480.	2.4397
#2	.34769	.45122	2.6047	.34909	.63723	3837.	12600.	2.4511

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3071.9	4776.0	28153.	10517.
Stddev	2.4	5.4	70.	60.
%RSD	.07784	.11332	.24875	.57031

#1	3070.2	4772.2	28104.	10474.
#2	3073.6	4779.8	28203.	10559.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09074	134.53	.38818	.5031	.3672	.41602	.75885	.37239	18.000
Stddev	.00073	.08	.00204	.0018	.0046	.00037	.00148	.00040	.021
%RSD	.80914	.06028	.52661	.3581	1.246	.08797	.19510	.10859	.11534

#1	.09126	134.58	.38962	.5018	.3640	.41628	.75990	.37268	17.986
#2	.09022	134.47	.38673	.5043	.3704	.41576	.75780	.37210	18.015

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.36518	.39241	.47287	.49184	145.63	40.865	39.805	.44176	21.989
Stddev	.00020	.00093	.00310	.00011	.27	.051	.168	.00203	.131
%RSD	.05449	.23813	.65591	.02142	.18316	.12589	.42135	.45916	.59714

#1	.36504	.39175	.47067	.49176	145.82	40.901	39.687	.44319	21.896
#2	.36532	.39307	.47506	.49191	145.44	40.828	39.924	.44032	22.082

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.66878	.38451	18.892	.41550	1.9404	1.2875	.26339	.35611	44.248
Stddev	.00184	.00070	.058	.00167	.0034	.0041	.00167	.00300	.071
%RSD	.27515	.18299	.30823	.40173	.17485	.31684	.63476	.84235	.16148

#1	.66748	.38500	18.933	.41432	1.9428	1.2846	.26457	.35824	44.299
#2	.67008	.38401	18.851	.41668	1.9380	1.2903	.26221	.35399	44.198

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.35751	.44712	2.2599	.33614	.54761	*****	*****	1.9540
Stddev	.00032	.00119	.0045	.00093	.00147	----	----	.0122
%RSD	.08998	.26533	.20084	.27748	.26923	----	----	.62502

#1	.35774	.44795	2.2567	.33548	.54656	3873.	12700.	1.9453
#2	.35729	.44628	2.2631	.33680	.54865	3867.	12690.	1.9626

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3127.2	4788.0	28321.	10614.
Stddev	1.9	5.8	14.	14.
%RSD	.06100	.12031	.04803	.13136

#1	3128.6	4783.9	28312.	10604.
#2	3125.9	4792.1	28331.	10623.

Sample Name: 480-28096-A-2-A Acquired: 11/13/2012 18:40:42 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00151	33.343	.02345	.0519	.0160	.02914	.17417	.00056	1.1099
Stddev	.00023	.013	.00369	.0032	.0007	.00018	.00052	.00001	.0044
%RSD	15.469	.03794	15.740	6.157	4.622	.60794	.29709	.96328	.39293

#1	.00167	33.352	.02084	.0497	.0155	.02927	.17454	.00056	1.1068
#2	.00134	33.334	.02606	.0542	.0165	.02902	.17380	.00055	1.1129

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00164	.00261	.03162	.04577	27.989	2.8346	2.2912	.00719	1.5748
Stddev	.00002	.00021	.00168	.00017	.045	.0015	.0117	.00024	.0049
%RSD	1.0851	8.1070	5.3142	.37909	.16014	.05225	.50896	3.3119	.31119

#1	.00166	.00276	.03280	.04565	27.957	2.8335	2.2994	.00736	1.5782
#2	.00163	.00246	.03043	.04589	28.020	2.8356	2.2829	.00702	1.5713

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15495	.00447	.11315	.01768	.61579	2.8722	.00481	.01042	23.665
Stddev	.00014	.00019	.00478	.00002	.00134	.0126	.00041	.00011	.042
%RSD	.09324	4.2299	4.2206	.09384	.21798	.43779	8.4420	1.0225	.17642

#1	.15485	.00434	.11653	.01766	.61674	2.8811	.00510	.01049	23.636
#2	.15506	.00461	.10977	.01769	.61484	2.8633	.00453	.01034	23.695

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.03370	.02272	.54555	-.00397	.10281	****	****	.17711
Stddev	.00040	.00002	.00143	.00034	.00054	----	----	.00126
%RSD	1.1961	.10004	.26150	8.6672	.52057	----	----	.70966

#1	.03341	.02270	.54454	-.00421	.10243	3833.	12550.	.17622
#2	.03398	.02273	.54656	-.00373	.10319	3819.	12490.	.17800

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3453.9	4815.7	29125.9	10460.
Stddev	14.3	16.4	68.	32.
%RSD	.41388	.34115	.23243	.30737

#1	3443.7	4804.0	29077.	10482.
#2	3464.0	4827.3	29173.	10437.

Sample Name: 480-28096-A-3-A Acquired: 11/13/2012 18:42:58 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00091	44.313	.02923	.0702	.0237	.02768	.16787	.00071	3.4934
Stddev	.00128	.136	.00474	.0009	.0027	.00127	.00007	.00008	.0177
%RSD	140.96	.30800	16.220	1.303	11.60	4.5869	.04261	11.520	.50684

#1	.00182	44.216	.02588	.0709	.0217	.02678	.16792	.00065	3.4809
#2	.00000	44.409	.03259	.0696	.0256	.02858	.16782	.00076	3.5059

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00131	.00292	.03269	.04694	53.060	3.8870	3.3221	.02819	1.7502
Stddev	.00036	.00035	.00037	.00006	.201	.0169	.0018	.00029	.0034
%RSD	27.054	12.084	1.1410	.12893	.37937	.43519	.05337	1.0115	.19209

#1	.00106	.00267	.03242	.04699	52.917	3.8989	3.3208	.02799	1.7478
#2	.00156	.00317	.03295	.04690	53.202	3.8750	3.3233	.02840	1.7526

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_3774)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.30490	.00384	.10086	.01546	.93682	2.1111	.00396	.00799	21.790
Stddev	.00031	.00030	.00161	.00009	.00959	.0103	.00163	.00382	.076
%RSD	.10301	7.7186	1.5981	.56650	1.0242	.48531	41.201	47.814	.34659

#1	.30467	.00363	.09972	.01540	.94360	2.1038	.00512	.00529	21.736
#2	.30512	.00405	.10200	.01553	.93003	2.1183	.00281	.01070	21.843

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02505	.02627	.62863	-.00491	.13971	*****	*****	.34367
Stddev	.00094	.00005	.00093	.00086	.00060	----	----	.00060
%RSD	3.7626	.19467	.14860	17.449	.42731	----	----	.17541

#1	.02438	.02623	.62930	-.00430	.14013	3768.	12370.	.34410
#2	.02572	.02630	.62797	-.00551	.13928	3785.	12400.	.34324

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3379.1	4785.0	28639.	10389.
Stddev	10.6	10.7	52.	9.
%RSD	.31434	.22288	.18205	.08630

#1	3371.6	4777.5	28602.	10382.
#2	3386.6	4792.6	28676.	10395.

Sample Name: 480-28096-A-4-A Acquired: 11/13/2012 18:45:08 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00093	4.5742	.00999	.0086	.0051	.00412	.09311	.00052	7.3617
Stddev	.00033	.0227	.00268	.0022	.0018	.00037	.00062	.00008	.0225
%RSD	35.343	.49649	26.864	25.16	35.78	8.9483	.66263	15.134	.30615

#1	.00070	4.5582	.01189	.0102	.0064	.00438	.09268	.00047	7.3458
#2	.00116	4.5903	.00809	.0071	.0038	.00386	.09355	.00058	7.3776

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00415	.00312	.00798	.03255	5.3888	2.5205	1.9238	.00072	1.3368
Stddev	.00035	.00020	.00049	.00071	.0555	.0235	.0335	.00089	.0037
%RSD	8.5076	6.5515	6.1314	2.1686	1.0300	.93202	1.7400	124.48	.27355

#1	.00440	.00326	.00763	.03205	5.3495	2.5039	1.9002	.00009	1.3342
#2	.00390	.00297	.00832	.03305	5.4280	2.5371	1.9475	.00135	1.3394

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24163	.00333	.11117	.02364	4.1495	5.7808	.00725	.00721	4.2433
Stddev	.00173	.00034	.00597	.00052	.00346	.0198	.00172	.00029	.0346
%RSD	.71492	10.262	5.3703	2.2117	.83435	.34200	23.769	4.0874	.81490

#1	.24041	.00357	.10695	.02401	.41740	5.7948	.00603	.00742	4.2189
#2	.24285	.00309	.11539	.02327	.41250	5.7669	.00847	.00700	4.2678

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02221	.03955	.12307	-.00275	.03032	*****	*****	.21497
Stddev	.00039	.00022	.00117	.00052	.00068	----	----	.00272
%RSD	1.7707	.55827	.94694	19.057	2.2263	----	----	1.2676

#1	.02193	.03939	.12225	-.00238	.02985	3816.	12450.	.21305
#2	.02248	.03971	.12390	-.00312	.03080	3808.	12460.	.21690

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3518.6	4762.9	28959.	10432.
Stddev	5.9	8.8	170.	14.
%RSD	.16880	.18446	.58555	.12992

#1	3514.4	4756.7	29079.	10442.
#2	3522.8	4769.1	28839.	10423.

Sample Name: CCV Acquired: 11/13/2012 18:47:23 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49718	24.239	48642	5208	5105	49619	49466	48431	24.808	49570	48309	50228	48645
Stddev	.00182	.264	.00077	.0010	.0054	.00091	.00297	.00276	.129	.00019	.00027	.00198	.00093
%RSD	.36524	1.0886	.15929	.1968	1.050	.18328	.60017	.56924	.52198	.03892	.05662	.39517	.19082

#1	.49846	24.053	.48587	.5201	.5143	.49555	.49256	.48236	24.716	.49557	.48328	.50088	.48579
#2	.49590	24.426	.48697	.5215	.5067	.49684	.49676	.48626	24.899	.49584	.48289	.50369	.48710

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.458	24.578	24.807	48433	23.814	49336	49725	24.945	48859	48948	24.349	51054	49206
Stddev	.096	.221	.114	.00583	.085	.00302	.00046	.157	.00038	.00059	.079	.00014	.00106
%RSD	.39163	.89962	.46099	1.2038	.35741	.61171	.09204	.63098	.07830	.12133	.32322	.02647	.21468

#1	24.391	24.422	24.888	.48021	23.754	.49123	.49758	24.834	.48886	.48990	24.293	.51044	.49281
#2	24.526	24.734	24.726	.48845	23.874	.49549	.49693	25.057	.48832	.48906	24.405	.51063	.49132

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	25.059	49891	49966	49723	48535	48889	z *****	z *****	50132
Stddev	.123	.00091	.00256	.00048	.00021	.00297	-----	-----	.00169
%RSD	.48965	.18315	.51245	.09611	.04360	.60693	-----	-----	.33757

#1	24.973	.49826	.49785	.49689	.48550	.48679	z 3900.	z 12710.	.50013
#2	25.146	.49955	.50147	.49756	.48520	.49099	z 3848.	z 12600.	.50252

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3454.9	5086.3	29633.	10568.
Stddev	11.3	22.0	195.	61.
%RSD	.32620	.43178	.65763	.57611

#1	3462.9	5101.8	29770.	10611.
#2	3447.0	5070.7	29495.	10525.

Sample Name: CCB Acquired: 11/13/2012 18:49:35 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0022	.10889	.00034	.0002	.0016	-0.0299	.00050	.00016	.01932	.00011	.00031	-0.0007
Stddev	.00010	.01783	.00021	.0004	.0007	.00057	.00006	.00012	.00469	.00009	.00008	.00002
%RSD	47.061	16.370	62.671	229.6	46.74	18.891	11.311	75.956	24.267	84.505	26.191	33.272

#1	-0.0029	.12150	.00049	-.0001	.0021	-.00339	.00054	.00007	.01600	.00004	.00026	-.00009
#2	-.00015	.09629	.00019	.0005	.0010	-.00259	.00046	.00024	.02263	.00017	.00037	-.00006

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00132	F .11016	.02570	.01502	-.00079	.01943	.00061	.00072	.00685	.00007	-.00004	.00644
Stddev	.00008	.00359	.02946	.00017	.00013	.00050	.00004	.00004	.00923	.00023	.00056	.00181
%RSD	5.9160	3.2558	114.62	1.1341	16.437	2.5557	6.0317	5.7440	134.76	312.98	1266.5	28.156

#1	.00127	.11270	.00487	.01514	-.00088	.01908	.00058	.00075	.01338	-.00009	-.00044	.00772
#2	.00138	.10762	.04653	.01490	-.00069	.01979	.00063	.00069	.00032	.00023	.00035	.00516

Check ? High Limit Low Limit
 Chk Pass Chk Fail .05000 -.05000 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00092	-.00188	.04986	-.00003	.00035	.00102	-.00087	.00067	z *****	z *****	.00109
Stddev	.00040	.00215	.00385	.00002	.00004	.00001	.00247	.00035	----	----	.00061
%RSD	43.173	114.71	7.7225	76.249	12.091	.96116	284.85	52.108	----	----	55.583

#1	.00064	-.00035	.05258	-.00001	.00038	.00101	-.00261	.00042	z 3784.	z 12360.	.00066
#2	.00120	-.00340	.04713	-.00005	.00032	.00103	.00088	.00091	z 3775.	z 12360.	.00152

Check ? High Limit Low Limit
 Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3594.2	5008.8	29668.	10305.
Stddev	4.8	7.8	34.	.
%RSD	.13467	.15495	.11548	.00049

#1	3597.6	5014.3	29692.	10305.
#2	3590.8	5003.3	29644.	10305.

Sample Name: 480-28096-A-5-A Acquired: 11/13/2012 18:51:47 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00044	23.137	.03135	.0466	.0208	.03907	.21391	.00064	7.6132
Stddev	.00017	.038	.00067	.0004	.0021	.00012	.00033	.00002	.0458
%RSD	39.757	.16542	2.1280	.8433	10.19	.30760	.15281	3.1075	.60176

#1	.00056	23.110	.03088	.0469	.0223	.03915	.21414	.00063	7.5808
#2	.00032	23.164	.03182	.0463	.0193	.03898	.21368	.00065	7.6456

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00569	.00350	.02980	.09309	28.546	2.7460	2.2607	.00433	1.4405
Stddev	.00019	.00002	.00004	.00074	.118	.0052	.0102	.00008	.0099
%RSD	3.3148	.62367	.12177	.79821	.41169	.18740	.45301	1.8764	.68940

#1	.00556	.00352	.02983	.09256	28.463	2.7496	2.2535	.00427	1.4335
#2	.00583	.00349	.02978	.09361	28.629	2.7424	2.2680	.00438	1.4476

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45865	.00938	.23950	.04524	1.0358	3.7598	.00864	.01252	15.492
Stddev	.00083	.00027	.00651	.00003	.0011	.0066	.00056	.00130	.114
%RSD	.18068	2.8568	2.7174	.06469	.10826	.17493	6.4922	10.360	.73405

#1	.45923	.00957	.23490	.04522	1.0350	3.7645	.00825	.01344	15.411
#2	.45806	.00919	.24410	.04526	1.0366	3.7552	.00904	.01160	15.572

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.04511	.03652	.52810	-.00464	.14397	*****	*****	.32540
Stddev	.00031	.00033	.00172	.00034	.00059	----	----	.00062
%RSD	.69327	.90837	.32593	7.2806	.40823	----	----	.19040

#1	.04533	.03628	.52931	-.00440	.14355	3776.	12380.	.32496
#2	.04489	.03675	.52688	-.00488	.14438	3781.	12360.	.32584

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3414.9	4709.2	28484.	10366.
Stddev	10.5	17.1	114.	5.
%RSD	.30780	.36275	.39911	.04432

#1	3407.5	4697.1	28403.	10363.
#2	3422.3	4721.2	28564.	10370.

Sample Name: 480-28096-A-6-A Acquired: 11/13/2012 18:53:54 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0027	14.198	.02221	.0307	.0081	.02063	.34736	.00102	11.959
Stddev	.00010	.058	.00002	.0018	.0030	.00005	.00001	.00004	.042
%RSD	36.305	.40575	.07506	5.934	37.18	.25263	.00411	4.0083	.35173

#1	-.00020	14.157	.02220	.0294	.0060	.02067	.34735	.00099	11.929
#2	-.00034	14.238	.02223	.0320	.0103	.02059	.34737	.00105	11.989

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00499	.00384	.02434	.10431	18.154	1.8760	1.5031	.00179	1.0034
Stddev	.00018	.00004	.00072	.00058	.107	.0021	.0017	.00112	.0020
%RSD	3.6458	1.0952	2.9585	.55996	.59102	.10963	.11028	62.579	.19536

#1	.00487	.00387	.02383	.10473	18.078	1.8774	1.5043	.00258	1.0020
#2	.00512	.00381	.02485	.10390	18.230	1.8745	1.5019	.00100	1.0048

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.43396	.00555	.18995	.05944	1.0381	3.4700	.00854	.01297	9.4651
Stddev	.00066	.00006	.00578	.00015	.0037	.0071	.00019	.00003	.0544
%RSD	.15134	1.0011	3.0454	.25707	.35804	.20470	2.2418	.23107	.57429

#1	.43349	.00551	.19404	.05934	1.0355	3.4750	.00841	.01295	9.4267
#2	.43442	.00558	.18586	.05955	1.0407	3.4649	.00868	.01299	9.5036

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.04144	.04693	.41422	-.00317	.09817	*****	*****	.29354
Stddev	.00039	.00015	.00013	.00135	.00022	----	----	.00050
%RSD	.93402	.31693	.03177	42.602	.22792	----	----	.16990

#1	.04172	.04704	.41413	-.00412	.09801	3788.	12430.	.29319
#2	.04117	.04683	.41431	-.00221	.09833	3807.	12460.	.29389

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3465.9	4768.7	28879.	10420.
Stddev	6.5	16.6	125.	25.
%RSD	.18877	.34711	.43175	.24180

#1	3461.3	4757.0	28791.	10402.
#2	3470.5	4780.4	28968.	10438.

Sample Name: 480-28096-A-7-A Acquired: 11/13/2012 18:56:03 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00156	8.1937	.01351	.0147	.0041	.00860	.28122	.00041	3.2103
Stddev	.00009	.0164	.00246	.0027	.0005	.00009	.00037	.00007	.0109
%RSD	5.6988	.19983	18.183	18.66	12.98	1.0805	.13288	16.568	.33919

#1	.00162	8.1821	.01525	.0166	.0037	.00867	.28095	.00036	3.2026
#2	.00150	8.2053	.01178	.0127	.0045	.00853	.28148	.00046	3.2180

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00449	.00242	.01886	.09537	12.634	2.2936	1.7412	.00085	.68738
Stddev	.00007	.00010	.00037	.00061	.045	.0494	.0073	.00032	.01163
%RSD	1.6412	4.0779	1.9668	.63473	.35689	2.1541	.41952	37.875	1.6915

#1	.00444	.00236	.01860	.09494	12.602	2.2586	1.7463	.00108	.67916
#2	.00454	.00249	.01912	.09580	12.666	2.3285	1.7360	.00062	.69560

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22828	.00380	.15167	.03502	1.0214	2.7865	.00572	.00618	8.8825
Stddev	.00136	.00009	.00154	.00033	.0025	.0030	.00270	.00065	.0620
%RSD	.59448	2.4845	1.0170	.93300	.24223	.10903	47.160	10.498	.69767

#1	.22732	.00387	.15058	.03525	1.0197	2.7887	.00762	.00573	8.8387
#2	.22924	.00374	.15276	.03479	1.0232	2.7844	.00381	.00664	8.9263

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.04552	.03820	.36908	-.00458	.05416	*****	*****	.22629
Stddev	.00071	.00004	.00386	.00104	.00094	----	----	.00035
%RSD	1.5652	.10437	1.0448	22.606	1.7403	----	----	.15555

#1	.04602	.03817	.36635	-.00531	.05349	3771.	12360.	.22654
#2	.04501	.03823	.37180	-.00385	.05483	3785.	12390.	.22604

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3491.1	4773.6	28944.	10376.
Stddev	6.0	11.5	164.	5.
%RSD	.17200	.24039	.56794	.04478

#1	3486.8	4765.5	29060.	10372.
#2	3495.3	4781.7	28828.	10379.

Sample Name: 480-28096-A-8-A Acquired: 11/13/2012 18:58:16 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	19.004	.02389	.0417	.0180	.03174	.34567	.00052	2.3805
Stddev	.00007	.055	.00185	.0021	.0026	.00013	.00235	.00004	.0138
%RSD	68.918	.28889	7.7366	5.019	14.42	.42046	.67927	7.1578	.57852

#1	.00016	18.965	.02520	.0431	.0162	.03164	.34733	.00055	2.3707
#2	.00005	19.043	.02259	.0402	.0199	.03183	.34401	.00050	2.3902

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00398	.00296	.02941	.08373	23.552	2.4801	1.9012	.00176	1.0255
Stddev	.00006	.00015	.00009	.00051	.098	.0348	.0182	.00043	.0026
%RSD	1.4555	5.1249	.29306	.61074	.41795	1.4040	.95835	24.449	.25162

#1	.00402	.00285	.02935	.08409	23.482	2.4555	1.9141	.00207	1.0236
#2	.00394	.00306	.02948	.08337	23.621	2.5048	1.8884	.00146	1.0273

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52331	.00602	.13893	.04313	1.0645	2.7263	.00766	.01296	16.634
Stddev	.00283	.00012	.00262	.00031	.0036	.0144	.00136	.00006	.042
%RSD	.54172	1.9271	1.8877	.71847	.33545	.52752	17.811	.48212	.25178

#1	.52532	.00593	.14078	.04292	1.0670	2.7365	.00863	.01291	16.604
#2	.52131	.00610	.13707	.04335	1.0620	2.7162	.00670	.01300	16.663

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.04726	.02800	.55408	-.00403	.09775	*****	*****	.18440
Stddev	.00027	.00016	.00530	.00078	.00160	----	----	.00203
%RSD	.56254	.56359	.95665	19.354	1.6363	----	----	1.0987

#1	.04707	.02789	.55782	-.00348	.09888	3741.	12250.	.18583
#2	.04745	.02811	.55033	-.00458	.09662	3746.	12250.	.18297

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3442.2	4733.5	28656.	10301.
Stddev	8.0	15.6	188.	8.
%RSD	.23184	.33018	.65758	.07297

#1	3436.6	4722.4	28523.	10306.
#2	3447.9	4744.5	28789.	10295.

Sample Name: 480-28096-A-9-A Acquired: 11/13/2012 19:00:28 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00135	12.235	.01420	.0211	.0062	.01269	.24014	.00056	3.0887
Stddev	.00019	.192	.00159	.0006	.0012	.00020	.00075	.00004	.0115
%RSD	14.221	1.5724	11.231	2.641	19.68	1.6030	.31220	7.2967	.37133

#1	.00121	12.099	.01307	.0207	.0054	.01284	.23961	.00053	3.0806
#2	.00148	12.371	.01533	.0215	.0071	.01255	.24067	.00058	3.0968

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00261	.00300	.01860	.05814	14.931	3.0269	2.3568	.00147	1.1362
Stddev	.00015	.00012	.00066	.0001	.082	.0493	.0135	.00020	.0085
%RSD	5.8012	4.1127	3.5320	.00877	.55232	1.6300	.57367	13.949	.75114

#1	.00272	.00291	.01813	.05814	14.873	2.9921	2.3473	.00132	1.1302
#2	.00251	.00308	.01906	.05815	14.989	3.0618	2.3664	.00161	1.1422

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.30638	.00390	.16304	.02958	.69636	3.3462	.00731	.00981	12.188
Stddev	.00155	.00007	.00330	.00060	.00121	.0029	.00056	.00171	.074
%RSD	.50483	1.9230	2.0233	2.0346	.17351	.08572	7.6589	17.475	.60529

#1	.30529	.00395	.16538	.03001	.69722	3.3442	.00771	.01103	12.136
#2	.30748	.00384	.16071	.02916	.69551	3.3483	.00692	.00860	12.240

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.04416	.02591	.34955	-.00342	.04323	****	****	.17333
Stddev	.00007	.00011	.00192	.00053	.00004	----	----	.00103
%RSD	.15938	.44303	.54880	15.568	.09238	----	----	.59212

#1	.04421	.02583	.34819	-.00304	.04320	3810.	12490.	.17260
#2	.04411	.02599	.35090	-.00380	.04326	3789.	12410.	.17406

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3497.2	4785.1	29034.	10475.
Stddev	5.2	4.9	27.	28.
%RSD	.14983	.10344	.09310	.26907

#1	3500.9	4788.6	29014.	10495.
#2	3493.5	4781.6	29053.	10455.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00117	15.444	.01156	.0247	-0.026	.00458	.56464	.00218	.87138
Stddev	.00012	.015	.00277	.0013	.0017	.00008	.00083	.00000	.00211
%RSD	10.520	.09716	23.913	5.220	65.23	1.7336	.14638	.18647	.24168
#1	.00108	15.433	.01352	.0238	-.0038	.00452	.56522	.00218	.87287
#2	.00125	15.454	.00961	.0256	-.0014	.00464	.56405	.00217	.86989

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00594	.01513	.01581	.09195	10.390	2.3023	1.7671	.00174	.73944
Stddev	.00003	.00015	.00046	.00018	.019	.0093	.0038	.00031	.00057
%RSD	.53970	1.0202	2.9116	.19067	.18177	.40228	.21382	17.628	.07712
#1	.00592	.01524	.01549	.09207	10.403	2.3088	1.7698	.00152	.73904
#2	.00597	.01502	.01614	.09183	10.377	2.2957	1.7645	.00195	.73984

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12855	.00329	.14521	.05196	1.5468	4.6901	.01171	.01148	11.713
Stddev	.00033	.00017	.00539	.00034	.0057	.0106	.00152	.00136	.021
%RSD	.25534	5.1086	3.7095	.64557	.37099	.22616	13.013	11.838	.17712
#1	.12878	.00341	.14141	.05173	1.5509	4.6826	.01063	.01052	11.728
#2	.12832	.00317	.14902	.05220	1.5428	4.6976	.01278	.01244	11.698

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.03082	.02700	.22196	-.00326	.05191	****	****	.25447
Stddev	.00014	.00019	.00029	.00075	.00018	----	----	.00111
%RSD	.46500	.70829	.13090	23.010	.35235	----	----	.43743
#1	.03072	.02687	.22175	-.00273	.05178	3827.	12550.	.25525
#2	.03092	.02714	.22217	-.00379	.05204	3808.	12490.	.25368

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3521.0	4837.4	29338.	10481.
Stddev	7.0	1.3	54.	7.
%RSD	.19876	.02665	.18530	.06871
#1	3516.1	4836.5	29299.	10486.
#2	3526.0	4838.3	29376.	10475.

Sample Name: 480-28096-A-11-A Acquired: 11/13/2012 19:04:54 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00075	8.0295	.01468	.0141	.0064	.00951	.49084	.00020	3.4837
Stddev	.00064	.0123	.00185	.0003	.0002	.00000	.00167	.00005	.0280
%RSD	85.780	.15282	12.614	1.808	2.395	.03525	.34025	22.515	.80308
#1	.00029	8.0382	.01599	.0143	.0063	.00951	.48966	.00023	3.4639
#2	.00120	8.0208	.01337	.0139	.0065	.00950	.49202	.00017	3.5035

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00130	.00171	.01067	.04710	10.686	4.1233	3.1443	.00221	1.3807
Stddev	.00009	.00014	.00002	.00002	.032	.0389	.0146	.00076	.0016
%RSD	6.6294	8.3608	.19135	.04558	.29844	.94461	.46410	34.368	.11865
#1	.00136	.00161	.01065	.04709	10.663	4.0958	3.1340	.00275	1.3818
#2	.00124	.00181	.01068	.04712	10.708	4.1508	3.1546	.00167	1.3795

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.45098	.00254	.11648	.01768	.28316	4.1296	.00647	.00629	13.618
Stddev	.00174	.00018	.00847	.00011	.00304	.0120	.00132	.00040	.005
%RSD	.38639	7.2193	7.2703	.61012	1.0734	.28976	20.451	6.4150	.03754
#1	.44975	.00241	.11049	.01776	.28101	4.1212	.00554	.00600	13.621
#2	.45222	.00267	.12247	.01761	.28531	4.1381	.00741	.00657	13.614

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02418	.04194	.18054	-.00331	.03585	*****	*****	.16371
Stddev	.00007	.00017	.00000	.00104	.00030	----	----	.00002
%RSD	.30483	.40021	.00145	31.330	.84253	----	----	.01197
#1	.02413	.04182	.18055	-.00258	.03564	3784.	12440.	.16370
#2	.02423	.04206	.18054	-.00404	.03607	3781.	12370.	.16373

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3506.9	4769.8	29004.	10398.
Stddev	8.3	12.4	35.	36.
%RSD	.23669	.26004	.11937	.35046
#1	3501.0	4761.1	29028.	10424.
#2	3512.8	4778.6	28979.	10373.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00090	11.025	.00540	.0155	-.0035	.00498	.46006	.00343	1.9762
Stddev	.00026	.038	.00206	.0022	.0016	.00014	.00050	.00008	.0064
%RSD	29.118	.34314	38.181	14.26	44.91	2.8873	.10906	2.4680	.32242
#1	.00071	11.052	.00394	.0139	-.0046	.00488	.45970	.00337	1.9717
#2	.00108	10.999	.00686	.0170	-.0024	.00508	.46041	.00349	1.9807

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00382	.02749	.00605	.03952	4.5857	1.8536	1.4087	.00086	.85670
Stddev	.00010	.00001	.00027	.00021	.0037	.0393	.0036	.00046	.01568
%RSD	2.6854	.03184	4.5430	.53915	.07985	2.1198	.25701	53.459	1.8299
#1	.00389	.02750	.00624	.03967	4.5883	1.8258	1.4061	.00053	.86779
#2	.00375	.02748	.00586	.03937	4.5832	1.8814	1.4113	.00119	.84562

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16310	.00176	.09622	.04955	.84229	4.4827	.00381	.00527	8.6538
Stddev	.00006	.00020	.00084	.00028	.00053	.0081	.00043	.00273	.0043
%RSD	.03663	11.481	.86859	.56138	.06245	.18031	11.311	51.816	.04981
#1	.16314	.00190	.09681	.04974	.84267	4.4884	.00412	.00720	8.6507
#2	.16306	.00162	.09563	.04935	.84192	4.4770	.00351	.00334	8.6568

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01926	.02976	.09930	-.00431	.01933	*****	*****	.36887
Stddev	.00027	.00004	.00021	.00127	.00046	----	----	.00359
%RSD	1.4279	.13493	.20761	29.462	2.3898	----	----	.97304
#1	.01906	.02979	.09944	-.00341	.01900	3807.	12500.	.37141
#2	.01945	.02973	.09915	-.00521	.01966	3816.	12580.	.36634

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3527.1	4824.8	29277.	10502.
Stddev	3.3	1.2	113.	21.
%RSD	.09340	.02400	.38508	.20438
#1	3524.8	4824.0	29197.	10487.
#2	3529.5	4825.6	29357.	10517.

Sample Name: 480-28096-A-13-A Acquired: 11/13/2012 19:09:45 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00046	46.000	.04790	.0922	.0440	.02736	.22797	.00125	1.0041
Stddev	.00043	.169	.00047	.0018	.0040	.00049	.00062	.00001	.0011
%RSD	94.609	.36824	.98920	1.978	9.161	1.7960	.26987	.96260	.10660
#1	.00076	45.881	.04757	.0935	.0468	.02771	.22753	.00126	1.0033
#2	.00015	46.120	.04824	.0909	.0411	.02702	.22840	.00124	1.0049

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00117	.00838	.04766	.06100	67.751	4.9702	4.2772	.03165	3.2847
Stddev	.00008	.00005	.00014	.00035	.298	.0042	.0012	.00009	.0041
%RSD	6.6370	.64599	.30125	.58045	.43967	.08471	.02852	.29213	.12433
#1	.00112	.00842	.04756	.06075	67.541	4.9731	4.2780	.03172	3.2818
#2	.00123	.00834	.04776	.06125	67.962	4.9672	4.2763	.03159	3.2876

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.31102	.00438	.09385	.02432	.64173	1.2919	.00213	.00856	20.120
Stddev	.00100	.00021	.00617	.00080	.00820	.0085	.00106	.00305	.058
%RSD	.32057	4.8409	6.5773	3.3046	1.2781	.65660	49.612	35.603	.28945
#1	.31032	.00453	.09821	.02489	.64753	1.2979	.00288	.01072	20.079
#2	.31173	.00423	.08948	.02375	.63593	1.2859	.00139	.00641	20.161

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02554	.01488	.51016	-.00478	.15785	*****	*****	.17925
Stddev	.00014	.00010	.00014	.00153	.00003	----	----	.00027
%RSD	.55123	.68564	.02780	32.022	.02135	----	----	.14879
#1	.02564	.01495	.51006	-.00369	.15782	3780.	12430.	.17944
#2	.02544	.01480	.51026	-.00586	.15787	3791.	12410.	.17906

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3389.4	4845.3	28796.	10391.
Stddev	31.4	41.5	5.	16.
%RSD	.92531	.85602	.01699	.15197
#1	3367.2	4816.0	28799.	10402.
#2	3411.5	4874.7	28792.	10380.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0026	38.372	.00965	.0378	-0.017	.00324	.13726	.00193	.68174
Stddev	.00056	.073	.00048	.0061	.0040	.00035	.00010	.00002	.00057
%RSD	213.18	.19144	4.9254	16.06	234.4	10.886	.07606	1.1084	.08315
#1	-.00065	38.424	.00999	.0335	.0011	.00348	.13734	.00195	.68214
#2	.00013	38.320	.00931	.0421	-.0045	.00299	.13719	.00192	.68134

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00229	.01476	.00517	.04145	3.6916	2.0393	1.6759	.00044	.46496
Stddev	.00005	.00009	.00031	.00003	.0057	.0086	.0103	.00065	.01278
%RSD	2.3279	.57966	5.9146	.07249	.15405	.42201	.61590	148.59	2.7483
#1	.00232	.01482	.00539	.04143	3.6875	2.0454	1.6686	-.00002	.45592
#2	.00225	.01470	.00496	.04147	3.6956	2.0332	1.6832	.00089	.47399

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06650	.00255	.07386	.02208	1.0198	4.6686	.00608	.00275	8.4451
Stddev	.00024	.00015	.00327	.00033	.0003	.0131	.00039	.00496	.0373
%RSD	.36683	5.9503	4.4310	1.4764	.02742	.28133	6.3830	180.27	.44184
#1	.06632	.00265	.07617	.02185	1.0200	4.6779	.00635	-.00076	8.4187
#2	.06667	.00244	.07154	.02231	1.0196	4.6593	.00580	.00626	8.4715

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02075	.00779	.06738	-.00445	.02699	*****	*****	.12334
Stddev	.00068	.00004	.00222	.00122	.00010	----	----	.00060
%RSD	3.2711	.56387	3.2969	27.421	.35258	----	----	.48959
#1	.02123	.00776	.06581	-.00531	.02693	3926.	12880.	.12291
#2	.02027	.00782	.06895	-.00359	.02706	3971.	13030.	.12377

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3476.8	4953.5	30011.	10869.
Stddev	6.4	10.3	4.	112.
%RSD	.18265	.20821	.01433	1.0322
#1	3472.4	4946.2	30008.	10789.
#2	3481.3	4960.8	30014.	10948.

Sample Name: CCV Acquired: 11/13/2012 19:14:15 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49370	24.344	49008	5221	5075	49500	49313	48619	24.835	49518	48328	49931	48541
Stddev	.00255	.116	.00162	.0036	.0063	.00315	.00226	.00085	.005	.00169	.00286	.00005	.00246
%RSD	.51620	.47509	.32979	.6929	1.238	.63549	.45911	.17539	.02004	.34078	.59077	.00987	.50775

#1	.49190	24.426	.48894	.5195	.5119	.49277	.49153	.48679	24.838	.49398	.48126	.49934	.48367
#2	.49550	24.262	.49122	.5247	.5030	.49722	.49473	.48558	24.831	.49637	.48530	.49928	.48716

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.276	24.713	25.034	48505	23.678	49060	49645	24.861	48912	48859	24.333	50997	49537
Stddev	.014	.060	.053	.00121	.059	.00028	.00203	.032	.00160	.00236	.142	.00460	.00799
%RSD	.05745	.24185	.21203	.24973	.24841	.05773	.40831	.12887	.32776	.48319	.58502	.90213	1.6125

#1	24.286	24.756	25.072	.48590	23.637	.49040	.49502	24.884	.48799	.48692	24.232	.50671	.48973
#2	24.266	24.671	24.997	.48419	23.720	.49080	.49788	24.838	.49025	.49026	24.434	.51322	.50102

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	24.968	50007	49846	49390	48891	48648	z *****	z *****	49397
Stddev	.045	.00466	.00016	.00129	.00416	.00141	z -----	z -----	.00463
%RSD	.17956	.93274	.03299	.26128	.85147	.29085	z -----	z -----	.93770

#1	24.937	.49677	.49858	.49299	.48597	.48548	z 3878.	z 12710.	.49724
#2	25.000	.50337	.49834	.49481	.49185	.48749	z 3853.	z 12600.	.49069

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3449.5	5082.2	29750.	10560.
Stddev	25.2	32.8	83.	38.
%RSD	.73054	.64470	.28056	.35685

#1	3467.3	5105.3	29809.	10587.
#2	3431.6	5059.0	29691.	10534.

Sample Name: CCB Acquired: 11/13/2012 19:16:25 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0042	.04822	-0.0034	.0027	.0014	-0.00341	.00045	.00013	.01303	.00004	.00010	-0.0005	.00131
Stddev	.00028	.00167	.00307	.0009	.0002	.00035	.00002	.00008	.00295	.00012	.00000	.00039	.00001
%RSD	65.460	3.4723	899.45	33.72	16.44	10.271	3.8244	62.051	22.677	334.63	2.9984	748.53	.46093

#1	-0.0062	.04941	-0.0251	.0021	.0016	-0.0365	.00043	.00007	.01512	.00012	.00010	.00023	.00131
#2	-0.0023	.04704	.00183	.0034	.0013	-0.0316	.00046	.00019	.01094	-0.0005	.00010	-0.0033	.00130

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03075	.04537	.00902	-0.0086	.01828	.00033	.00046	.00545	-0.0013	.00068	.00768	.00024	.00322
Stddev	.00298	.00545	.00029	.00024	.00094	.00007	.00014	.00081	.00015	.00139	.00075	.00068	.00296
%RSD	9.7015	12.006	3.2376	28.195	5.1332	22.313	30.902	14.810	117.42	204.68	9.7986	289.17	91.970

#1	.03286	.04152	.00923	-0.0069	.01762	.00038	.00056	.00488	-0.0024	-0.0030	.00821	-0.0025	.00531
#2	.02864	.04922	.00882	-0.0103	.01895	.00028	.00036	.00602	.00002	.00166	.00714	.00072	.00113

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02493	-0.0019	.00017	.00047	-0.0014	.00075	z *****	z *****	.00023
Stddev	.00936	.00026	.00005	.00030	.00108	.00020	z *****	z *****	.00062
%RSD	37.560	134.72	28.908	62.532	782.87	26.805	z *****	z *****	271.18

#1	.03155	-0.0001	.00014	.00068	.00062	.00061	z 3751.	z 12310.	-0.0021
#2	.01831	-0.0037	.00021	.00026	-0.0090	.00089	z 3787.	z 12420.	.00066

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3640.3	5079.2	29778.	10326.
Stddev	11.9	27.3	8.	59.
%RSD	.32777	.53681	.02854	.57259

#1	3648.7	5098.5	29772.	10284.
#2	3631.9	5059.9	29784.	10368.

Sample Name: 480-28096-A-15-A Acquired: 11/13/2012 19:18:44 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0040	2.5596	.00471	.0038	-0.001	-0.0011	.10196	.00014	.46769
Stddev	.00034	.0044	.00041	.0010	.0058	.00037	.00015	.00005	.00667
%RSD	83.671	.17265	8.7531	25.02	4828.	33.540	.15011	37.458	1.4255
#1	-.00064	2.5564	.00500	.0045	-.0042	-.00137	.10207	.00018	.46297
#2	-.00016	2.5627	.00442	.0031	.0040	-.00085	.10186	.00010	.47240

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00097	.00214	.00414	.01470	2.6842	2.1083	1.5421	.00004	.45728
Stddev	.00002	.00018	.00053	.00020	.0107	.0030	.0056	.00006	.01266
%RSD	2.3654	8.4852	12.887	1.3534	.39714	.14060	.36462	138.94	2.7684
#1	.00095	.00201	.00376	.01456	2.6917	2.1062	1.5461	.00000	.46623
#2	.00098	.00226	.00452	.01485	2.6767	2.1104	1.5381	.00009	.44833

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10695	.00182	.20887	.02104	.18839	3.6055	.00360	.00487	4.0296
Stddev	.00027	.00005	.00215	.00025	.00036	.0193	.00139	.00058	.0187
%RSD	.25615	2.9725	1.0277	1.1686	.18878	.53497	38.618	11.998	.46439
#1	.10676	.00186	.20735	.02087	.18814	3.5919	.00459	.00529	4.0164
#2	.10715	.00178	.21039	.02121	.18865	3.6192	.00262	.00446	4.0428

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01707	.02402	.06369	-.00359	.01362	*****	*****	.15871
Stddev	.00083	.00003	.00028	.00094	.00030	----	----	.00022
%RSD	4.8596	.11312	.44250	26.266	2.2326	----	----	.13675
#1	.01649	.02404	.06388	-.00426	.01341	3764.	12390.	.15887
#2	.01766	.02401	.06349	-.00293	.01384	3778.	12450.	.15856

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3530.2	4770.5	28879.	10454.
Stddev	5.8	9.9	93.	8.
%RSD	.16495	.20694	.32263	.07975
#1	3534.4	4777.5	28813.	10448.
#2	3526.1	4763.6	28945.	10460.

Sample Name: 480-28096-A-16-A Acquired: 11/13/2012 19:21:03 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00114	15.688	.01871	.0294	.0065	.01275	.17221	.00038	1.6332
Stddev	.00095	.009	.00035	.0005	.0019	.00019	.00028	.00004	.0048
%RSD	83.086	.06014	1.8755	1.699	28.33	1.4628	.16160	10.639	.29493
#1	.00047	15.695	.01896	.0298	.0052	.01288	.17241	.00041	1.6298
#2	.00181	15.682	.01846	.0291	.0079	.01261	.17202	.00035	1.6366

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00177	.00347	.01759	.17225	14.607	3.7691	2.9503	.00387	1.3029
Stddev	.00005	.00002	.00080	.00013	.051	.0284	.0222	.00003	.0071
%RSD	2.5658	.48808	4.5299	.07493	.34689	.75304	.75075	.77044	.54194
#1	.00174	.00348	.01815	.17234	14.572	3.7491	2.9660	.00385	1.2979
#2	.00180	.00346	.01702	.17215	14.643	3.7892	2.9347	.00389	1.3079

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.32053	.00385	.30961	.02362	1.1437	4.1495	.00496	.01203	14.440
Stddev	.00147	.00023	.00089	.00016	.0016	.0098	.00231	.00316	.043
%RSD	.45739	5.9204	.28611	.68913	.14268	.23677	46.537	26.243	.29781
#1	.31950	.00369	.31024	.02351	1.1426	4.1565	.00659	.00980	14.410
#2	.32157	.00401	.30899	.02374	1.1449	4.1426	.00333	.01426	14.471

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02659	.02707	.28542	-.00434	.05984	*****	*****	.47088
Stddev	.00012	.00011	.00134	.00038	.00025	----	----	.00108
%RSD	.45923	.39861	.47000	8.7699	.41756	----	----	.23018
#1	.02668	.02700	.28448	-.00461	.06001	3759.	12280.	.47011
#2	.02651	.02715	.28637	-.00407	.05966	3732.	12260.	.47165

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3481.9	4772.4	28862.	10304.
Stddev	10.1	14.8	23.	21.
%RSD	.29117	.31089	.07904	.20846
#1	3474.7	4761.9	28845.	10319.
#2	3489.0	4782.9	28878.	10288.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00048	42.945	.04206	.0833	.0392	.02414	.08697	.00035	.37195
Stddev	.00053	.117	.00236	.0032	.0024	.00038	.00037	.00006	.00656
%RSD	109.49	.27224	5.6101	3.810	6.238	1.5712	.42183	18.239	1.7628

#1	.00011	43.028	.04039	.0810	.0374	.02387	.08671	.00040	.37659
#2	.00085	42.863	.04373	.0855	.0409	.02441	.08723	.00031	.36732

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00098	.00292	.03908	.05734	44.476	2.1393	1.8063	.01272	2.4631
Stddev	.00016	.00009	.00027	.00015	.105	.0169	.0001	.00182	.0199
%RSD	16.801	3.0476	.69499	.26502	.23518	.79113	.00459	14.293	.80570

#1	.00086	.00285	.03928	.05745	44.550	2.1513	1.8062	.01401	2.4491
#2	.00110	.00298	.03889	.05723	44.402	2.1273	1.8064	.01143	2.4771

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.15499	.00397	.09437	.01047	.80748	1.2395	.00308	.00639	19.307
Stddev	.00047	.00023	.00142	.00016	.00013	.0016	.00087	.00014	.069
%RSD	.30623	5.8619	1.5031	1.5377	.01597	.12835	28.189	2.2341	.35625

#1	.15466	.00413	.09337	.01059	.80757	1.2407	.00246	.00629	19.356
#2	.15533	.00380	.09537	.01036	.80739	1.2384	.00369	.00649	19.259

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02454	.00937	.60162	-.00456	.14800	*****	*****	.30885
Stddev	.00029	.00013	.00574	.00070	.00136	----	----	.00169
%RSD	1.1651	1.4186	.95391	15.472	.91921	----	----	.54605

#1	.02434	.00946	.59756	-.00505	.14704	3785.	12380.	.30766
#2	.02475	.00927	.60568	-.00406	.14896	3783.	12370.	.31004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3420.8	4854.4	28972.	10362.
Stddev	7.4	6.6	92.	14.
%RSD	.21672	.13634	.31898	.13694

#1	3415.6	4849.7	29037.	10352.
#2	3426.0	4859.0	28907.	10372.

Sample Name: 480-28096-A-18-A Acquired: 11/13/2012 19:25:35 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00080	6.3740	.00787	.0063	.0038	.00825	.13341	.00024	.69697
Stddev	.00073	.0235	.00034	.0012	.0004	.00027	.00011	.00002	.00142
%RSD	91.610	.36884	4.2746	18.61	10.18	3.2444	.08158	6.8776	.20419
#1	.00132	6.3574	.00763	.0072	.0036	.00844	.13348	.00023	.69596
#2	.00028	6.3907	.00811	.0055	.0041	.00806	.13333	.00025	.69797

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00076	.00094	.00648	.03218	5.5839	2.4091	1.7701	.00058	.53579
Stddev	.00016	.00015	.00010	.00021	.0018	.0189	.0025	.00042	.00989
%RSD	21.294	16.298	1.5122	.65177	.03225	.78578	.13896	71.743	1.8461
#1	.00065	.00083	.00641	.03204	5.5826	2.3957	1.7683	.00029	.54279
#2	.00088	.00105	.00655	.03233	5.5852	2.4225	1.7718	.00088	.52880

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.34149	.00164	.05815	.01376	.37472	3.6689	.00234	.00469	8.2045
Stddev	.00016	.00000	.00650	.00015	.00094	.0024	.00073	.00480	.0370
%RSD	.04561	.26893	11.186	1.0889	.25111	.06404	31.145	102.38	.45094
#1	.34160	.00164	.06274	.01365	.37405	3.6672	.00182	.00129	8.2307
#2	.34138	.00163	.05355	.01386	.37538	3.6705	.00285	.00809	8.1783

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02103	.02317	.15765	-.00587	.02116	*****	*****	.09991
Stddev	.00010	.00014	.00100	.00103	.00039	----	----	.00051
%RSD	.48132	.62265	.63570	17.582	1.8242	----	----	.51260
#1	.02096	.02307	.15836	-.00514	.02143	3739.	12250.	.09955
#2	.02110	.02327	.15694	-.00660	.02089	3778.	12440.	.10027

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3530.3	4787.0	29087.	10385.
Stddev	.2	6.7	58.	91.
%RSD	.00538	.13959	.19920	.87994
#1	3530.2	4782.3	29046.	10320.
#2	3530.5	4791.8	29128.	10450.

Sample Name: 480-28096-A-19-A Acquired: 11/13/2012 19:27:53 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00142	36.953	.04181	.0756	.0335	.03277	.36895	.00143	1.1459
Stddev	.00074	.139	.00089	.0031	.0022	.00068	.00092	.00010	.0051
%RSD	52.040	.37597	2.1191	4.060	6.663	2.0658	.24841	6.6710	.44495
#1	.00195	37.051	.04119	.0734	.0351	.03325	.36960	.00150	1.1495
#2	.00090	36.854	.04244	.0778	.0319	.03229	.36830	.00136	1.1423

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00178	.00841	.05041	.05331	59.596	6.2156	5.1649	.00952	2.7139
Stddev	.00009	.00008	.00036	.00040	.129	.0255	.0660	.00035	.0012
%RSD	4.8816	.97337	.71490	.74669	.21647	.41077	1.2776	3.6604	.04510
#1	.00185	.00835	.05015	.05359	59.687	6.2337	5.1182	.00977	2.7147
#2	.00172	.00847	.05066	.05303	59.504	6.1976	5.2116	.00928	2.7130

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6541	.00503	.12144	.03524	.75772	2.7182	.00541	.01177	21.533
Stddev	.0067	.00011	.01050	.00005	.00029	.0120	.00026	.00101	.062
%RSD	.25397	2.1381	8.6455	.14711	.03789	.43956	4.8336	8.5787	.28918
#1	2.6589	.00510	.11402	.03528	.75752	2.7267	.00559	.01106	21.577
#2	2.6494	.00495	.12886	.03521	.75792	2.7098	.00522	.01249	21.489

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.04337	.02968	.93444	-.00305	.13178	*****	*****	.19676
Stddev	.00023	.00006	.00063	.00166	.00063	----	----	.00110
%RSD	.53013	.20112	.06785	54.249	.47883	----	----	.56010
#1	.04320	.02964	.93488	-.00423	.13223	3762.	12330.	.19754
#2	.04353	.02972	.93399	-.00188	.13133	3799.	12450.	.19598

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3412.6	4832.6	28910.	10394.
Stddev	7.6	1.6	91.	102.
%RSD	.22377	.03244	.31333	.98421
#1	3407.2	4831.5	28846.	10322.
#2	3418.0	4833.7	28975.	10467.

Sample Name: 480-28096-A-20-A Acquired: 11/13/2012 19:30:11 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0029	61.418	.03954	.0984	.0334	.03032	.73072	.00418	2.2998
Stddev	.00020	.105	.00043	.0018	.0004	.00039	.00133	.00003	.0111
%RSD	67.695	.17101	1.0916	1.864	1.230	1.2807	.18186	.63758	.48053
#1	-.00015	61.492	.03985	.0971	.0331	.03004	.72978	.00416	2.3076
#2	-.00044	61.344	.03924	.0997	.0336	.03059	.73166	.00420	2.2920

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00244	.03357	.05902	.04997	84.924	12.245	10.822	.02806	5.6061
Stddev	.00000	.00044	.00042	.00003	.471	.001	.304	.00117	.0290
%RSD	.10709	1.3089	.71876	.05149	.55436	.00658	2.8085	4.1703	.51807
#1	.00245	.03389	.05872	.04999	84.591	12.244	11.036	.02723	5.5856
#2	.00244	.03326	.05932	.04995	85.257	12.245	10.607	.02889	5.6266

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 19.289	.00234	.10048	.05593	42423	2.1948	.00403	.01646	21.008
Stddev	.046	.00012	.00242	.00004	.00090	.0141	.00008	.00189	.120
%RSD	.24037	5.2253	2.4037	.07832	.21184	.64235	1.9278	11.492	.57197
#1	19.256	.00225	.10219	.05590	.42486	2.2047	.00398	.01779	21.093
#2	19.321	.00242	.09877	.05596	.42359	2.1848	.00409	.01512	20.923

Check ? Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit 15.000
 Low Limit -.00300

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02757	.02157	1.1061	.00558	.12277	****	****	.20425
Stddev	.00044	.00004	.0019	.00144	.00024	----	----	.00006
%RSD	1.6059	.19541	.16747	25.825	.19853	----	----	.02961
#1	.02726	.02160	1.1048	.00660	.12295	3785.	12390.	.20429
#2	.02789	.02154	1.1074	.00456	.12260	3784.	12400.	.20421

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3338.9	4841.4	28765.	10346.
Stddev	3.1	11.7	39.	24.
%RSD	.09196	.24251	.13439	.23475
#1	3336.7	4833.1	28737.	10329.
#2	3341.1	4849.7	28792.	10363.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0028	.07207	-0.0078	-0.0037	.0063	-0.0268	.00054	-0.0002	.04146
Stddev	.00059	.01932	.00018	.0001	.0009	.00007	.00002	.00007	.00046
%RSD	212.91	26.810	23.701	2.641	13.94	2.6180	2.9031	286.53	1.1143

#1	.00014	.08574	-.00065	-.0038	.0069	-.00273	.00055	.00002	.04178
#2	-.00069	.05841	-.00091	-.0037	.0057	-.00263	.00053	-.00007	.04113

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	-0.0028	.00083	.00181	F .07286	.04507	.02636	-0.0138	.00632
Stddev	.00008	.00001	.00026	.00038	.00131	.02301	.00018	.00026	.00607
%RSD	36.079	4.3021	30.960	20.908	1.7993	51.052	.66668	18.600	96.091

#1	.00029	-.00027	.00065	.00208	.07194	.06134	.02624	-.00120	.00202
#2	.00017	-.00029	.00101	.00154	.07379	.02880	.02649	-.00156	.01061

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.05000				
Low Limit					-.04000				

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00546	.00023	-0.03238	-0.0026	.00083	.00546	.00140	-0.0026	F .70368
Stddev	.00030	.00012	.00595	.00057	.00022	.00045	.00116	.00301	.01242
%RSD	5.5296	52.612	18.369	224.56	26.718	8.2735	82.502	1140.6	1.7652

#1	.00567	.00031	-.03658	.00015	.00067	.00514	.00222	-.00239	.69490
#2	.00525	.00014	-.02817	-.00066	.00098	.00578	.00058	.00186	.71247

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail
High Limit	.00300								.50000
Low Limit	-.00300								-.50000

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	F .03106	-0.0002	.00121	-0.00372	.00025	F *****	*****	.00316
Stddev	.00042	.00006	.00038	.00133	.00009	----	----	.00045
%RSD	1.3464	373.32	31.306	35.682	37.344	----	----	14.256

#1	.03135	-.00006	.00147	-.00465	.00032	3744.	12220.	.00348
#2	.03076	.00003	.00094	-.00278	.00018	3729.	12220.	.00285

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.01000					12.00		
Low Limit	-.01000					8.000		

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3541.6	4825.8	29221.	10230.
Stddev	5.1	3.0	13.	21.
%RSD	.14429	.06284	.04412	.20199

#1	3538.0	4823.7	29212.	10245.
#2	3545.2	4828.0	29230.	10216.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.38732	85.656	1.5371	1.567	1.539	.81295	1.9708	1.0077	60.546
Stddev	.00176	.177	.0014	.008	.007	.00034	.0004	.0010	.138
%RSD	.45414	.20720	.09142	.5074	.4461	.04185	.02303	.09646	.22853

#1	.38857	85.530	1.5381	1.572	1.544	.81271	1.9711	1.0070	60.448
#2	.38608	85.781	1.5361	1.561	1.534	.81319	1.9704	1.0084	60.644

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.93779	1.2513	1.0966	1.1166	113.12	28.797	27.840	.07867	23.474
Stddev	.00081	.0001	.0021	.0016	.42	.016	.133	.00077	.038
%RSD	.08637	.00519	.19151	.14244	.36760	.05410	.47809	.97672	.16251

#1	.93722	1.2514	1.0951	1.1178	112.83	28.786	27.934	.07921	23.501
#2	.93837	1.2513	1.0981	1.1155	113.42	28.808	27.746	.07813	23.447

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.0150	.64049	3.1722	.67072	.70196	2.2740	1.0347	1.1679	21.160
Stddev	.0076	.00089	.0034	.00139	.00053	.0190	.0018	.0036	.150
%RSD	.25079	.13964	.10674	.20754	.07575	.83330	.16990	.30395	.71089

#1	3.0096	.63985	3.1746	.67170	.70234	2.2606	1.0335	1.1654	21.266
#2	3.0203	.64112	3.1698	.66973	.70159	2.2874	1.0360	1.1704	21.054

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	1.3032	1.2401	2.8307	1.9198	.81575	*****	*****	2.4028
Stddev	.0019	.0037	.0022	.0078	.00120	----	----	.0157
%RSD	.14251	.30114	.07752	.40500	.14731	----	----	.65169

#1	1.3045	1.2428	2.8322	1.9253	.81490	3888.	12750.	2.3917
#2	1.3018	1.2375	2.8291	1.9143	.81660	3893.	12790.	2.4139

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3141.6	4858.3	28808.	10685.
Stddev	1.4	5.1	16.	31.
%RSD	.04581	.10400	.05407	.29157

#1	3140.6	4861.9	28819.	10663.
#2	3142.7	4854.7	28797.	10707.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0026	51.126	.04060	.0877	.0289	.03838	.41072	.00171	.60153
Stddev	.00028	.051	.00259	.0006	.0026	.00076	.00001	.00006	.00096
%RSD	109.00	.10039	6.3802	.6927	8.845	1.9861	.00286	3.2506	.15885
#1	-.00046	51.090	.04243	.0881	.0271	.03891	.41073	.00168	.60221
#2	-.00006	51.162	.03877	.0873	.0307	.03784	.41072	.00175	.60086

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00128	.01092	.04665	.07291	56.165	7.0969	6.0906	.01478	3.3031
Stddev	.00004	.00015	.00055	.00021	.018	.0065	.0441	.00112	.0315
%RSD	3.0902	1.4050	1.1882	.29310	.03259	.09194	.72343	7.5732	.95340
#1	.00125	.01103	.04625	.07306	56.178	7.0923	6.1217	.01557	3.2808
#2	.00130	.01081	.04704	.07276	56.153	7.1015	6.0594	.01399	3.3254

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.62286	.00461	.07206	.03258	.90491	1.3138	.00312	.00570	21.951
Stddev	.00059	.00011	.00106	.00064	.00100	.0043	.00122	.00274	.146
%RSD	.09392	2.3632	1.4771	1.9757	.11032	.32345	39.195	48.044	.66669
#1	.62245	.00454	.07281	.03213	.90562	1.3168	.00225	.00764	22.054
#2	.62328	.00469	.07130	.03304	.90420	1.3108	.00398	.00376	21.847

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.03271	.01629	.93885	-.00270	.13965	*****	*****	.15843
Stddev	.00031	.00000	.00284	.00269	.00092	----	----	.00025
%RSD	.94856	.00357	.30216	99.398	.66064	----	----	.16063
#1	.03292	.01629	.93685	-.00080	.14030	3733.	12290.	.15825
#2	.03249	.01629	.94086	-.00461	.13899	3768.	12410.	.15861

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3387.8	4825.6	28814.	10333.
Stddev	2.9	10.5	50.	83.
%RSD	.08445	.21827	.17196	.80763
#1	3385.8	4818.1	28779.	10274.
#2	3389.8	4833.0	28849.	10392.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0068	10.536	.00760	.0197	.0074	.00447	.08277	.00041	.13538
Stddev	.00006	.046	.00037	.0007	.0014	.00054	.00015	.00004	.00332
%RSD	8.9378	.43198	4.9179	3.705	19.39	12.063	.17820	9.1537	2.4527

#1	-0.0072	10.568	.00786	.0192	.0064	.00409	.08267	.00038	.13304
#2	-0.0064	10.504	.00733	.0202	.0085	.00485	.08288	.00044	.13773

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	.00243	.00926	.01524	12.058	1.4377	1.1479	.00259	.73590
Stddev	.00011	.00020	.00018	.00017	.042	.0007	.0118	.00018	.00133
%RSD	41.149	8.0799	1.9540	1.0903	.34581	.04985	1.0317	6.9722	.18088

#1	.00034	.00257	.00938	.01512	12.029	1.4372	1.1395	.00272	.73684
#2	.00019	.00229	.00913	.01535	12.088	1.4382	1.1563	.00246	.73496

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13164	.00082	-.01733	.00689	.19045	.27661	.00172	.00177	4.5540
Stddev	.00044	.00004	.00056	.00004	.00035	.00019	.00037	.00323	.0286
%RSD	.33321	4.3629	3.2505	.50993	.18446	.06923	21.492	182.77	.62791

#1	.13195	.00079	-.01772	.00692	.19020	.27674	.00198	-.00052	4.5338
#2	.13133	.00084	-.01693	.00687	.19070	.27647	.00146	.00406	4.5743

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00657	.00341	.19030	.00021	.02860	*****	*****	.03466
Stddev	.00012	.00002	.00023	.00008	.00043	----	----	.00006
%RSD	1.8517	.69914	.12174	39.140	1.4967	----	----	.17171

#1	.00666	.00339	.19013	.00027	.02829	3881.	12690.	.03470
#2	.00649	.00343	.19046	.00015	.02890	3862.	12590.	.03461

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3670.7	5184.6	30504.	10537.
Stddev	14.4	25.4	48.	68.
%RSD	.39130	.48947	.15784	.64876

#1	3680.9	5202.6	30538.	10586.
#2	3660.6	5166.7	30470.	10489.

Sample Name: CCV Acquired: 11/13/2012 19:41:52 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49274	24.306	49146	5174	4973	49345	49228	48383	24.589	49374	48156	49639	48511
Stddev	.00029	.103	.00172	.0019	.0048	.00048	.00031	.00054	.030	.00045	.00021	.00058	.00086
%RSD	.05965	.42528	.35006	.3713	.9570	.09669	.06354	.11103	.12174	.09045	.04302	.11640	.17730

#1	.49254	24.379	.49024	.5188	.5006	.49312	.49250	.48421	24.610	.49406	.48141	.49598	.48450
#2	.49295	24.233	.49268	.5160	.4939	.49379	.49206	.48345	24.568	.49343	.48171	.49679	.48572

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.124	24.664	24.610	48332	23.596	49140	49514	24.755	48872	48655	24.290	50982	49291
Stddev	.066	.013	.111	.00039	.052	.00054	.00062	.053	.00085	.00031	.025	.00210	.00142
%RSD	.27236	.05248	.45283	.08129	.21909	.11043	.12599	.21451	.17290	.06331	.10157	.41252	.28802

#1	24.077	24.673	24.531	.48305	23.559	.49102	.49558	24.717	.48812	.48676	24.273	.51131	.49392
#2	24.170	24.655	24.688	.48360	23.632	.49179	.49470	24.792	.48932	.48633	24.308	.50834	.49191

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	24.897	49771	49755	49297	48788	48477	z *****	z *****	49478
Stddev	.007	.00104	.00174	.00028	.00064	.00076	-----	-----	.00228
%RSD	.02787	.20967	.35023	.05601	.13164	.15696	-----	-----	.46158

#1	24.892	.49845	.49632	.49277	.48833	.48423	z 3812.	z 12530.	.49316
#2	24.902	.49697	.49878	.49316	.48742	.48531	z 3807.	z 12520.	.49639

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3422.2	5041.1	29262.	10455.
Stddev	6.3	6.3	48.	33.
%RSD	.18467	.12451	.16272	.31270

#1	3426.6	5045.6	29295.	10478.
#2	3417.7	5036.7	29228.	10432.

Sample Name: CCB Acquired: 11/13/2012 19:44:03 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	.02022	.00155	-.0002	.0020	-.00374	.00037	.00010	.01249	.00009	.00023	.00032	.00094
Stddev	.00070	.01269	.00005	.0008	.0019	.00019	.00001	.00001	.00425	.00003	.00007	.00042	.00016
%RSD	439.52	62.759	3.1718	439.2	95.36	5.1481	1.6771	11.252	34.006	27.911	30.878	131.05	16.411

#1	.00066	.01125	.00152	.0004	.0033	-.00387	.00037	.00009	.01549	.00007	.00018	.00002	.00105
#2	-.00034	.02920	.00159	-.0007	.0006	-.00360	.00038	.00011	.00949	.00011	.00027	.00061	.00084

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03515	.05123	.00652	-.00124	.00802	.00196	.00049	-.00891	-.00023	.00011	.00107	-.00021	.00100
Stddev	.00433	.01212	.00014	.00009	.00211	.00006	.00018	.00824	.00034	.00073	.00338	.00235	.00591
%RSD	12.331	23.662	2.0794	7.1907	26.247	3.2244	37.078	92.479	152.13	674.16	314.39	1118.9	590.47

#1	.03821	.04266	.00662	-.00130	.00653	.00200	.00036	-.01474	-.00047	.00062	-.00131	.00145	.00518
#2	.03208	.05980	.00642	-.00117	.00951	.00191	.00062	-.00308	.00002	-.00041	.00346	-.00187	-.00318

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02299	.00001	.00022	.00067	-.00106	.00003	z *****	z *****	.00038
Stddev	.01023	.00012	.00010	.00013	.00018	.00019	z *****	z *****	.00032
%RSD	44.479	1306.0	47.712	19.800	16.945	694.74	z *****	z *****	84.263

#1	.03022	-.00007	.00029	.00076	-.00093	.00016	z 3770.	z 12370.	.00061
#2	.01576	.00009	.00014	.00057	-.00119	-.00011	z 3756.	z 12290.	.00015

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3604.6	5033.6	29573.	10287.
Stddev	14.6	6.4	33.	49.
%RSD	.40398	.12647	.11279	.47217

#1	3594.3	5029.1	29549.	10321.
#2	3614.9	5038.1	29596.	10253.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09557	67.912	42888	4627	4055	42586	78225	38980	19.213
Stddev	.00058	.107	.00420	.0025	.0010	.00181	.00092	.00069	.045
%RSD	.61006	.15701	.98033	.5459	.2429	.42501	.11739	.17715	.23222

#1	.09516	67.837	.42591	.4610	.4048	.42714	.78160	.38931	19.181
#2	.09599	67.988	.43185	.4645	.4061	.42458	.78290	.39028	19.244

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.38949	40376	43336	46614	70.670	26.052	25.243	40916	20.620
Stddev	.00054	.00019	.00042	.00039	.201	.049	.482	.00085	.142
%RSD	.13831	.04623	.09600	.08438	.28428	.18628	1.9082	.20667	.68998

#1	.38987	.40363	.43366	.46641	70.528	26.017	25.584	.40856	20.519
#2	.38911	.40390	.43307	.46586	70.812	26.086	24.902	.40976	20.720

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96903	41983	19.842	41676	1.2435	1.2846	40467	38485	40.275
Stddev	.00368	.00198	.015	.00085	.0006	.0099	.00156	.00399	.163
%RSD	.37973	.47248	.07468	.20288	.04943	.76816	.38641	1.0369	.40465

#1	.96643	.42123	19.831	.41736	1.2430	1.2916	.40578	.38768	40.390
#2	.97163	.41843	19.852	.41616	1.2439	1.2776	.40356	.38203	40.160

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.39880	43184	1.2858	35624	.51739	*****	*****	.53612
Stddev	.00039	.00106	.0103	.00152	.00222	----	----	.00500
%RSD	.09867	.24535	.80110	.42623	.42937	----	----	.93185

#1	.39908	.43110	1.2785	.35731	.51582	3702.	12210.	.53259
#2	.39853	.43259	1.2930	.35517	.51896	3748.	12350.	.53966

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3210.1	4672.3	27768.	10298.
Stddev	14.0	18.7	41.	61.
%RSD	.43671	.40004	.14942	.59275

#1	3200.2	4659.1	27739.	10255.
#2	3220.0	4685.5	27797.	10341.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09234	133.55	.40463	.5080	.3869	.44742	1.0307	.37301	18.757
Stddev	.00068	.08	.00156	.0043	.0039	.00012	.0016	.00049	.060
%RSD	.74082	.06032	.38646	.8473	1.014	.02589	.15109	.13040	.32057

#1	.09283	133.50	.40353	.5049	.3842	.44750	1.0296	.37267	18.715
#2	.09186	133.61	.40574	.5110	.3897	.44734	1.0318	.37336	18.800

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.36861	.39349	.46626	.46398	104.04	41.066	40.088	.40712	25.390
Stddev	.00150	.00027	.00175	.00125	.23	.104	.264	.00024	.042
%RSD	.40812	.06793	.37525	.26929	.22036	.25441	.65876	.05794	.16680

#1	.36967	.39368	.46750	.46310	103.87	40.992	39.901	.40729	25.360
#2	.36754	.39330	.46502	.46486	104.20	41.140	40.274	.40695	25.420

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2733	.38818	18.964	.42002	1.4224	1.5925	.30875	.35850	47.980
Stddev	.0014	.00015	.013	.00015	.0007	.0029	.00140	.00076	.018
%RSD	.10811	.03894	.06849	.03683	.04751	.17927	.45308	.21076	.03803

#1	1.2723	.38807	18.955	.42013	1.4229	1.5905	.30776	.35903	47.967
#2	1.2743	.38829	18.973	.41991	1.4220	1.5945	.30974	.35796	47.992

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.39169	.41330	2.0134	.33571	.57300	*****	*****	.60980
Stddev	.00076	.00015	.0034	.00031	.00007	----	----	.00007
%RSD	.19500	.03618	.16984	.09338	.01244	----	----	.01104

#1	.39223	.41341	2.0158	.33593	.57305	3717.	12260.	.60976
#2	.39115	.41320	2.0110	.33549	.57295	3714.	12260.	.60985

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3141.3	4683.6	27562.	10252.
Stddev	7.2	14.2	106.	15.
%RSD	.23041	.30321	.38622	.14768

#1	3136.2	4673.6	27487.	10263.
#2	3146.5	4693.6	27637.	10241.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09119	118.55	.39891	.4876	.3778	.43562	.96161	.37230	18.652
Stddev	.00022	.09	.00321	.0034	.0032	.00005	.00251	.00045	.078
%RSD	.23678	.07536	.80592	.6879	.8577	.01058	.26136	.12023	.41657

#1	.09104	118.62	.40119	.4852	.3755	.43565	.96339	.37198	18.597
#2	.09135	118.49	.39664	.4899	.3801	.43559	.95983	.37262	18.707

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.36835	.38814	.45437	.45655	81.691	37.312	36.071	.40081	23.990
Stddev	.00012	.00061	.00172	.00145	.263	.034	.408	.00110	.115
%RSD	.03249	.15714	.37899	.31663	.32141	.09243	1.1314	.27406	.47926

#1	.36826	.38771	.45315	.45553	81.505	37.336	36.359	.40159	23.909
#2	.36843	.38857	.45559	.45757	81.876	37.287	35.782	.40003	24.072

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0173	.39076	18.888	.41168	1.4698	1.5080	.32286	.35997	43.538
Stddev	.0033	.00057	.013	.00033	.0011	.0068	.00283	.00150	.015
%RSD	.32130	.14650	.06841	.08100	.07527	.45255	.87606	.41661	.03543

#1	1.0150	.39036	18.897	.41192	1.4706	1.5128	.32086	.36103	43.549
#2	1.0196	.39117	18.879	.41145	1.4690	1.5032	.32486	.35891	43.527

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.39175	.41125	1.8219	.33286	.53765	*****	*****	.57561
Stddev	.00148	.00036	.0104	.00112	.00064	----	----	.00445
%RSD	.37725	.08755	.57366	.33735	.11844	----	----	.77254

#1	.39070	.41150	1.8145	.33366	.53720	3738.	12320.	.57246
#2	.39279	.41099	1.8293	.33207	.53810	3739.	12340.	.57875

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3184.5	4694.8	27925.	10307.
Stddev	1.3	1.0	40.	10.
%RSD	.04040	.02067	.14171	.10129

#1	3183.6	4694.1	27897.	10314.
#2	3185.4	4695.5	27953.	10299.

Sample Name: 480-28096-A-22-A Acquired: 11/13/2012 19:53:16 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00780	29.071	.05098	.0738	.0111	.02404	.21750	.00154	.71092
Stddev	.00082	.040	.00209	.0030	.0019	.00016	.00062	.00000	.00480
%RSD	10.493	.13667	4.1089	4.081	17.45	.64486	.28622	.17089	.67506
#1	.00722	29.043	.04950	.0717	.0097	.02393	.21706	.00154	.70753
#2	.00838	29.099	.05247	.0760	.0124	.02415	.21794	.00154	.71431

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00254	.00662	.02796	.74985	38.868	4.6667	3.8343	.00614	1.3708
Stddev	.00007	.00010	.00004	.00105	.242	.0102	.0181	.00010	.0073
%RSD	2.9201	1.5176	.16058	.13954	.62197	.21917	.47187	1.5628	.53584
#1	.00260	.00669	.02799	.74911	38.697	4.6740	3.8215	.00608	1.3656
#2	.00249	.00655	.02793	.75059	39.039	4.6595	3.8471	.00621	1.3760

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21567	.00573	.44673	.02597	6.9190	3.5964	.00549	.00910	19.513
Stddev	.00142	.00001	.00161	.00028	.0117	.0121	.00040	.00167	.028
%RSD	.65799	.25502	.36145	1.0595	.16910	.33618	7.3794	18.335	.14282
#1	.21467	.00572	.44559	.02617	6.9273	3.6050	.00520	.01028	19.494
#2	.21668	.00574	.44787	.02578	6.9108	3.5879	.00577	.00792	19.533

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.03069	.01697	.50843	-.00442	.11674	*****	*****	1.0444
Stddev	.00120	.00027	.00372	.00229	.00086	----	----	.0018
%RSD	3.8967	1.5699	.73260	51.949	.73758	----	----	.17403
#1	.02984	.01716	.50580	-.00604	.11614	3779.	12440.	1.0431
#2	.03153	.01678	.51107	-.00279	.11735	3766.	12400.	1.0457

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3440.4	4814.5	28872.	10410.
Stddev	14.1	17.2	43.	47.
%RSD	.41028	.35634	.15053	.45255
#1	3430.4	4802.4	28841.	10444.
#2	3450.4	4826.7	28903.	10377.

Sample Name: 480-28096-A-23-A Acquired: 11/13/2012 19:55:26 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00392	15.153	.02313	.0334	.0058	.01400	.26175	.00103	1.1107
Stddev	.00013	.152	.00101	.0015	.0006	.00001	.00067	.00003	.0090
%RSD	3.2214	1.0027	4.3451	4.499	10.45	.07576	.25506	2.9389	.80692
#1	.00383	15.046	.02242	.0323	.0054	.01401	.26128	.00105	1.1044
#2	.00401	15.261	.02384	.0345	.0063	.01399	.26222	.00101	1.1171

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00145	.01974	.01853	.08025	25.082	3.7371	2.9386	.00377	1.0258
Stddev	.00006	.00002	.00031	.00003	.282	.0408	.0037	.00106	.0029
%RSD	4.3777	.07996	1.6797	.04330	1.1247	1.0908	.12646	28.163	.27843
#1	.00140	.01975	.01831	.08023	24.882	3.7083	2.9360	.00453	1.0238
#2	.00149	.01973	.01875	.08028	25.281	3.7660	2.9412	.00302	1.0278

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22511	.00385	.12310	.03786	1.6031	4.6633	.00642	.00893	17.448
Stddev	.00026	.00032	.00088	.00046	.0060	.0160	.00314	.00107	.209
%RSD	.11629	8.2622	.71283	1.2070	.37297	.34219	48.931	11.991	1.1969
#1	.22493	.00408	.12372	.03754	1.5988	4.6521	.00865	.00817	17.300
#2	.22530	.00363	.12248	.03818	1.6073	4.6746	.00420	.00968	17.595

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02746	.03337	.32848	-.00450	.05862	*****	*****	.32109
Stddev	.00087	.00024	.00147	.00048	.00018	----	----	.00142
%RSD	3.1668	.70741	.44628	10.630	.31292	----	----	.44271
#1	.02685	.03321	.32744	-.00416	.05849	3757.	12370.	.32008
#2	.02808	.03354	.32951	-.00484	.05875	3750.	12270.	.32209

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3476.2	4775.4	28684.	10379.
Stddev	3.7	6.2	28.	42.
%RSD	.10562	.13079	.09809	.40377
#1	3473.6	4770.9	28703.	10409.
#2	3478.8	4779.8	28664.	10350.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02599	47.581	.04464	.0916	F -.2605	.01508	.18750	.00272	1.3047
Stddev	.00177	.351	.00124	.0008	.0011	.00001	.00029	.00001	.0053
%RSD	6.8152	.73714	2.7829	.8457	.4251	.09877	.15398	.18909	.40376

#1	.02474	47.333	.04552	.0910	-.2598	.01509	.18771	.00273	1.3009
#2	.02724	47.829	.04376	.0921	-.2613	.01507	.18730	.00272	1.3084

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					40.00				
Low Limit					-.0100				

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00163	.03917	.05846	.44687	180.46	7.5347	6.7467	.07981	12.663
Stddev	.00014	.00039	.00030	.00022	.62	.0440	.0209	.00101	.002
%RSD	8.8015	.98815	.51605	.04870	.34557	.58373	.30962	1.2672	.01961

#1	.00153	.03944	.05867	.44702	180.02	7.5036	6.7615	.08052	12.664
#2	.00173	.03890	.05825	.44671	180.91	7.5658	6.7319	.07909	12.661

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6174	.00286	.09127	.06828	64.688	8.4011	.01450	.01981	12.097
Stddev	.0011	.00011	.00335	.00012	.041	.0217	.00069	.00024	.018
%RSD	.04186	3.9916	3.6690	.17157	.06335	.25806	4.7285	1.2192	.14607

#1	2.6182	.00294	.08890	.06819	64.717	8.4164	.01498	.01998	12.109
#2	2.6166	.00278	.09364	.06836	64.659	8.3858	.01401	.01963	12.084

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.03112	.01962	.36768	-.00395	.09413	****	****	1.0915
Stddev	.00043	.00000	.00303	.00051	.00019	----	----	.0042
%RSD	1.3694	.01985	.82453	12.857	.20020	----	----	.38057

#1	.03081	.01962	.36554	-.00359	.09400	3747.	12300.	1.0885
#2	.03142	.01961	.36983	-.00431	.09427	3739.	12260.	1.0944

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3289.5	4769.8	28518.	10291.
Stddev	4.7	2.3	92.	3.
%RSD	.14217	.04757	.32088	.02775

#1	3286.2	4768.2	28454.	10293.
#2	3292.8	4771.4	28583.	10289.

Sample Name: 480-28096-A-26-A Acquired: 11/13/2012 20:00:03 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00275	22.327	.02406	.0430	F -.0271	.01983	22842	.00107	1.0256
Stddev	.00029	.076	.00412	.0004	.0031	.00009	.00123	.00009	.0026
%RSD	10.554	.33891	17.108	1.031	11.50	.46959	.53971	8.3079	.25353
#1	.00296	22.273	.02115	.0427	-.0249	.01989	.22755	.00113	1.0237
#2	.00255	22.380	.02697	.0433	-.0294	.01976	.22929	.00100	1.0274

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Fail Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit 40.00
 Low Limit -.0100

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00291	.00796	.02633	.07658	33.636	4.4563	3.5948	.00516	1.8405
Stddev	.00009	.00020	.00085	.00033	.295	.0313	.0114	.00061	.0145
%RSD	3.0905	2.5589	3.2156	.43711	.87690	.70153	.31659	11.818	.78670
#1	.00297	.00811	.02573	.07635	33.427	4.4342	3.5867	.00473	1.8302
#2	.00284	.00782	.02693	.07682	33.844	4.4784	3.6028	.00559	1.8507

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12138	.00469	.16731	.03793	9.0439	6.3070	.03610	.01066	14.848
Stddev	.00125	.00013	.00428	.00059	.0881	.0717	.00100	.00106	.050
%RSD	1.0294	2.7554	2.5566	1.5668	.97462	1.1374	2.7667	9.9328	.33839
#1	.12050	.00478	.16428	.03835	9.1062	6.3578	.03680	.00991	14.813
#2	.12226	.00460	.17033	.03751	8.9816	6.2563	.03539	.01141	14.884

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.03040	.03763	.40078	-.00377	.07132	*****	*****	.39984
Stddev	.00069	.00012	.00142	.00017	.00065	----	----	.00072
%RSD	2.2739	.31989	.35530	4.5615	.91415	----	----	.18073
#1	.03088	.03755	.39977	-.00389	.07086	3802.	12500.	.39932
#2	.02991	.03772	.40178	-.00364	.07178	3797.	12490.	.40035

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3445.8	4779.4	29019.	10450.
Stddev	39.7	58.3	44.	.
%RSD	1.1518	1.2200	.15131	.00257
#1	3417.8	4738.2	29050.	10450.
#2	3473.9	4820.6	28988.	10450.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	5.4978	.00975	.0139	F -.0227	.01338	.37639	.00046	.60222
Stddev	.0005	.0047	.00087	.0014	.0006	.00007	.00205	.00005	.00127
%RSD	35859.	.08613	8.9198	9.889	2.511	.48644	.54468	9.9952	.21061

#1	.00035	5.5011	.01036	.0149	-.0223	.01333	.37494	.00043	.60132
#2	-.00035	5.4944	.00913	.0129	-.0231	.01342	.37784	.00049	.60311

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					40.00				
Low Limit					-.0100				

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00137	.00313	.01417	.02248	15.440	1.6490	1.1889	.00211	.40185
Stddev	.00011	.00024	.00004	.00027	.024	.0018	.0001	.00012	.00447
%RSD	8.1214	7.7569	.26460	1.1964	.15562	.11174	.00422	5.4871	1.1113

#1	.00129	.00296	.01419	.02267	15.423	1.6477	1.1889	.00219	.39870
#2	.00145	.00330	.01414	.02229	15.457	1.6503	1.1890	.00203	.40501

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05201	.00327	.15286	.01366	6.0127	3.6930	.00993	.01053	8.0447
Stddev	.00032	.00003	.00126	.00018	.0135	.0008	.00168	.00005	.0635
%RSD	.60582	.82426	.82131	1.3304	.22391	.02287	16.939	.47766	.78899

#1	.05178	.00325	.15375	.01379	6.0222	3.6936	.00874	.01049	7.9999
#2	.05223	.00329	.15197	.01353	6.0032	3.6924	.01112	.01057	8.0896

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.03873	.09030	.45103	-.00443	.03039	*****	*****	.21754
Stddev	.00070	.00027	.00458	.00087	.00047	----	----	.00050
%RSD	1.8156	.29832	1.0149	19.515	1.5555	----	----	.23135

#1	.03824	.09011	.44779	-.00505	.03005	3746.	12340.	.21718
#2	.03923	.09049	.45426	-.00382	.03072	3737.	12300.	.21789

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3514.0	4792.3	28900.	10318.
Stddev	9.6	9.1	34.	24.
%RSD	.27284	.18971	.11743	.23165

#1	3507.3	4785.9	28876.	10335.
#2	3520.8	4798.8	28924.	10301.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0032	73.852	.05748	.1355	.0194	.02111	2.1364	.04430	4.5379
Stddev	.00007	.066	.00088	.0003	.0006	.00004	.0001	.00001	.0197
%RSD	23.176	.08879	1.5269	.2280	3.331	.18355	.00468	.02066	.43316

#1	-.00026	73.805	.05810	.1353	.0190	.02108	2.1365	.04429	4.5240
#2	-.00037	73.898	.05686	.1357	.0199	.02113	2.1364	.04431	4.5518

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04859	.12919	.07890	.40342	118.85	8.7146	8.0615	.11975	12.180
Stddev	.00008	.00024	.00106	.00091	.49	.0012	.0519	.00001	.039
%RSD	.16683	.18282	1.3443	.22564	.41126	.01354	.64392	.00445	.32096

#1	.04864	.12936	.07815	.40407	118.50	8.7138	8.0248	.11975	12.152
#2	.04853	.12902	.07965	.40278	119.19	8.7155	8.0982	.11975	12.207

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.4303	.00349	.15692	.11624	7.9616	1.6780	.00172	.01050	15.421
Stddev	.0349	.00030	.00273	.00092	.0199	.0016	.00168	.00017	.028
%RSD	.37009	8.7203	1.7374	.79315	.25031	.09545	97.378	1.5787	.18115

#1	9.4056	.00327	.15885	.11689	7.9757	1.6791	.00054	.01062	15.401
#2	9.4550	.00370	.15499	.11559	7.9475	1.6768	.00291	.01039	15.441

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02651	.06454	.75306	-.00072	.12032	*****	*****	9.4741
Stddev	.00021	.00008	.00236	.00028	.00007	----	----	.0198
%RSD	.77494	.12536	.31351	39.229	.05974	----	----	.20846

#1	.02636	.06460	.75139	-.00052	.12027	3884.	12760.	9.4602
#2	.02665	.06448	.75473	-.00092	.12037	3902.	12830.	9.4881

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3310.2	5038.0	29801.	10746.
Stddev	4.7	10.6	50.	7.
%RSD	.14048	.21107	.16683	.06684

#1	3306.9	5030.5	29766.	10741.
#2	3313.4	5045.5	29836.	10751.

Sample Name: 480-28096-A-29-A Acquired: 11/13/2012 20:06:54 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0047	75.864	.03966	.1146	-0.0087	.02141	.79713	.02882	2.3100
Stddev	.00001	.057	.00324	.0017	.0030	.00047	.00111	.00004	.0014
%RSD	1.1110	.07521	8.1673	1.480	34.45	2.2007	.13951	.12949	.05882
#1	-0.0047	75.904	.03737	.1134	-0.0108	.02174	.79791	.02880	2.3090
#2	-0.0048	75.824	.04195	.1158	-0.0066	.02107	.79634	.02885	2.3109

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01604	.07954	.06471	.61532	91.619	7.9296	7.2014	.11046	7.7692
Stddev	.00004	.00058	.00049	.00483	.179	.0312	.0647	.00055	.0992
%RSD	.27650	.72818	.75754	.78508	.19573	.39318	.89790	.49931	1.2765
#1	.01607	.07995	.06436	.61191	91.492	7.9516	7.1557	.11085	7.6991
#2	.01600	.07913	.06506	.61874	91.746	7.9075	7.2472	.11007	7.8393

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.9461	.00258	.09221	.09166	8.9734	2.3714	.00003	.00690	18.974
Stddev	.0737	.00010	.00421	.00012	.0058	.0060	.00174	.00169	.044
%RSD	1.2391	3.9686	4.5658	.13415	.06509	.25114	5220.9	24.458	.23360
#1	5.8940	.00266	.08924	.09175	8.9775	2.3672	-.00120	.00571	19.006
#2	5.9982	.00251	.09519	.09157	8.9693	2.3756	.00127	.00810	18.943

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01752	.02522	.66099	-.00166	.09941	*****	*****	6.6792
Stddev	.00079	.00006	.00366	.00044	.00031	----	----	.1082
%RSD	4.5006	.25569	.55421	26.291	.30833	----	----	1.6193
#1	.01808	.02517	.65840	-.00197	.09962	3933.	12970.	6.6027
#2	.01697	.02526	.66358	-.00135	.09919	3947.	13000.	6.7557

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3304.8	5059.3	29986.	10892.
Stddev	6.9	10.4	218.	20.
%RSD	.21016	.20461	.72769	.17916
#1	3299.9	5051.9	30140.	10878.
#2	3309.8	5066.6	29832.	10906.

Sample Name: CCV Acquired: 11/13/2012 20:09:20 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49606	24.433	48990	5229	5084	49262	49576	48669	25.014	49499	48347	50191	48728
Stddev	.00417	.019	.00218	.0016	.0007	.00006	.00345	.00071	.060	.00047	.00003	.00293	.00312
%RSD	.84082	.07717	.44513	.3003	.1428	.01145	.69668	.14509	.23989	.09576	.00648	.58341	.64027

#1	.49311	24.420	.48836	.5218	.5089	.49266	.49332	.48619	25.056	.49533	.48345	.49984	.48507
#2	.49900	24.447	.49144	.5241	.5079	.49258	.49821	.48719	24.971	.49466	.48349	.50398	.48949

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.350	24.700	24.853	48010	23.843	49878	49589	24.784	48908	50042	24.293	50818	48995
Stddev	.092	.047	.227	.00249	.087	.00252	.00052	.028	.00122	.00021	.007	.00002	.00083
%RSD	.37878	.18838	.91227	.51782	.36633	.50424	.10406	.11399	.24997	.04289	.02914	.00405	.16850

#1	24.284	24.668	24.692	.47835	23.782	.49700	.49625	24.764	.48822	.50057	24.298	.50820	.49054
#2	24.415	24.733	25.013	.48186	23.905	.50056	.49552	24.804	.48995	.50027	24.288	.50817	.48937

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	25.226	50029	49696	49656	48999	49096	z *****	z *****	50365
Stddev	.193	.00156	.00216	.00343	.00077	.00322	-----	-----	.00330
%RSD	.76404	.31203	.43549	.69076	.15713	.65491	-----	-----	.65611

#1	25.090	.50139	.49543	.49413	.48944	.48868	z 3839.	z 12600.	.50599
#2	25.363	.49918	.49849	.49898	.49053	.49323	z 3811.	z 12530.	.50132

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3463.2	5112.6	29629.	10485.
Stddev	13.6	16.9	236.	37.
%RSD	.39141	.33105	.79705	.35234

#1	3472.8	5124.6	29796.	10511.
#2	3453.6	5100.6	29462.	10458.

Sample Name: CCB Acquired: 11/13/2012 20:11:31 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.05240	-0.00031	.0032	.0053	-0.00408	.00067	.00010	.00939	.00000	.00001	.00021
Stddev	.00070	.00584	.00047	.0010	.0004	.00029	.00001	.00000	.00310	.00004	.00002	.00039
%RSD	210.69	11.139	153.63	31.99	7.774	7.2126	.95923	4.8994	32.979	1019.6	207.02	191.71

#1	.00083	.05653	-0.00064	.0024	.0056	-0.00387	.00067	.00010	.00720	-0.00002	.00002	.00048
#2	-0.00016	.04828	.00003	.0039	.0050	-0.00429	.00068	.00010	.01159	.00003	.00000	-0.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00143	F .06287	.06147	.00952	-0.00108	.01689	.00254	.00041	-0.01789	.00016	F .00620	.00317
Stddev	.00018	.00219	.00204	.00001	.00044	.00959	.00010	.00017	.00865	.00002	.00041	.00566
%RSD	12.709	3.4755	3.3166	.13223	41.175	56.781	4.0484	41.067	48.360	14.922	6.5978	178.66

#1	.00130	.06133	.06003	.00953	-0.00139	.01011	.00246	.00029	-0.01177	.00015	.00649	-0.00083
#2	.00156	.06442	.06291	.00951	-0.00076	.02367	.00261	.00053	-0.02401	.00018	.00591	.00717

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.05000									.00500	
Low Limit		-.05000									-.00500	

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00046	-0.00185	.04018	-0.00006	.00020	.00095	-0.00034	.00014	z *****	z *****	.00247
Stddev	.00180	.00153	.00542	.00011	.00007	.00015	.00039	.00032	z *****	z *****	.00075
%RSD	392.89	83.014	13.499	188.09	36.928	15.364	115.08	224.43	z *****	z *****	30.128

#1	-0.00173	-0.00076	.04401	.00002	.00015	.00106	-0.00006	-0.00008	z 3781.	z 12420.	.00195
#2	.00082	-0.00293	.03634	-0.00013	.00025	.00085	-0.00061	.00037	z 3779.	z 12370.	.00300

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit											
Low Limit											

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3630.1	5059.9	29701.	10373.
Stddev	4.1	2.0	282.	26.
%RSD	.11198	.03868	.94839	.25519

#1	3627.2	5058.5	29900.	10392.
#2	3632.9	5061.2	29502.	10354.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0013	36.194	.05953	.0936	.0505	.01177	.33684	.00282	3.8376
Stddev	.00122	.078	.00123	.0001	.0018	.00078	.00278	.00004	.0045
%RSD	939.98	.21480	2.0737	.0870	3.661	6.6694	.82639	1.2737	.11790

#1	.00073	36.249	.06041	.0935	.0518	.01121	.33880	.00285	3.8408
#2	-.00099	36.139	.05866	.0936	.0492	.01232	.33487	.00280	3.8344

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00245	.02828	.05314	.27142	111.41	6.3459	5.5317	.06985	10.269
Stddev	.00017	.00008	.00096	.00214	.06	.0348	.0517	.00102	.115
%RSD	7.0947	.26999	1.8135	.78760	.05113	.54772	.93492	1.4539	1.1237

#1	.00233	.02833	.05382	.27293	111.37	6.3705	5.5683	.06913	10.350
#2	.00258	.02822	.05246	.26991	111.45	6.3213	5.4952	.07056	10.187

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4603	.00359	.20053	.07124	1.4434	1.8787	.00786	.01510	11.648
Stddev	.0117	.00012	.00119	.00052	.0013	.0124	.00132	.00453	.076
%RSD	.79940	3.2694	.59397	.73227	.09140	.66162	16.797	30.015	.65524

#1	1.4686	.00351	.20137	.07161	1.4424	1.8875	.00692	.01190	11.702
#2	1.4521	.00367	.19969	.07087	1.4443	1.8699	.00879	.01831	11.594

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02621	.03843	.50637	-.00304	.07159	*****	*****	.62193
Stddev	.00039	.00002	.00401	.00039	.00155	----	----	.00569
%RSD	1.4861	.03916	.79196	12.669	2.1607	----	----	.91486

#1	.02649	.03842	.50920	-.00277	.07268	3749.	12340.	.62596
#2	.02594	.03844	.50353	-.00331	.07050	3752.	12380.	.61791

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3321.2	4780.7	28414.	10339.
Stddev	4.1	13.9	298.	34.
%RSD	.12492	.29173	1.0488	.32863

#1	3318.3	4770.8	28203.	10315.
#2	3324.2	4790.6	28625.	10363.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	39.178	.06224	.0977	.0468	.01239	.23760	.00261	6.2164
Stddev	.00071	.090	.00317	.0010	.0022	.00061	.00305	.00011	.0119
%RSD	474.53	.23043	5.0885	1.012	4.790	4.9499	1.2835	4.2441	.19173

#1	-.00035	39.242	.06000	.0970	.0484	.01196	.23544	.00268	6.2249
#2	.00065	39.114	.06448	.0984	.0452	.01282	.23975	.00253	6.2080

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00290	.03041	.05493	.22027	106.51	5.3887	4.6962	.10118	11.028
Stddev	.00016	.00014	.00110	.00242	.14	.0205	.0432	.00050	.053
%RSD	5.5844	.46457	2.0037	1.0981	.13356	.38014	.91976	.49097	.48113

#1	.00302	.03031	.05416	.21856	106.61	5.4032	4.6656	.10153	10.991
#2	.00279	.03051	.05571	.22198	106.40	5.3742	4.7267	.10083	11.066

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.5807	.00312	.15938	.07595	2.4891	1.4571	.00721	.00965	13.757
Stddev	.0155	.00004	.00443	.00134	.0221	.0014	.00138	.00036	.028
%RSD	.97826	1.3142	2.7786	1.7581	.88765	.09270	19.066	3.7003	.20379

#1	1.5698	.00315	.16251	.07501	2.4734	1.4562	.00819	.00990	13.777
#2	1.5916	.00309	.15625	.07689	2.5047	1.4581	.00624	.00940	13.737

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02984	.04344	.43027	-.00420	.06510	*****	*****	.85784
Stddev	.00052	.00006	.01320	.00009	.00110	----	----	.00693
%RSD	1.7532	.13938	3.0671	2.0714	1.6917	----	----	.80777

#1	.02947	.04348	.42094	-.00414	.06432	3750.	12300.	.85294
#2	.03021	.04340	.43961	-.00426	.06587	3765.	12370.	.86274

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3304.6	4732.4	28393.	10345.
Stddev	14.3	8.7	134.	67.
%RSD	.43210	.18469	.47300	.64370

#1	3314.7	4738.6	28488.	10298.
#2	3294.5	4726.2	28298.	10393.

Sample Name: 480-28096-A-32-A Acquired: 11/13/2012 20:18:14 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00475	11.255	.07577	.0851	.0404	.00856	.14332	.00230	2.4821
Stddev	.00106	.054	.00188	.0024	.0018	.00000	.00005	.00003	.0080
%RSD	22.224	.48152	2.4807	2.789	4.417	.01937	.03649	1.3958	.32009
#1	.00401	11.293	.07444	.0867	.0391	.00856	.14328	.00228	2.4765
#2	.00550	11.217	.07710	.0834	.0417	.00856	.14336	.00232	2.4877

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02459	.01734	.01794	.72133	43.018	4.1374	3.2316	.01760	2.2773
Stddev	.00002	.00001	.00004	.00011	.051	.0055	.0025	.00079	.0001
%RSD	.07042	.08181	.21597	.01554	.11903	.13394	.07667	4.5016	.00228
#1	.02460	.01735	.01797	.72141	42.982	4.1335	3.2334	.01704	2.2772
#2	.02457	.01733	.01791	.72126	43.054	4.1413	3.2299	.01816	2.2773

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48716	.00088	.10054	.02074	7.3655	7.3683	.01139	.00774	6.6452
Stddev	.00117	.00018	.00293	.00036	.0327	.0297	.00093	.00159	.0315
%RSD	.24083	20.200	2.9112	1.7539	.44424	.40368	8.1785	20.545	.47394
#1	.48799	.00075	.10261	.02049	7.3424	7.3472	.01073	.00887	6.6229
#2	.48633	.00100	.09847	.02100	7.3886	7.3893	.01205	.00662	6.6675

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.03030	.01620	.14403	-.00430	.02137	*****	*****	15.466
Stddev	.00069	.00009	.00136	.00108	.00033	----	----	.041
%RSD	2.2773	.57740	.94587	25.211	1.5458	----	----	.26465
#1	.03078	.01613	.14499	-.00507	.02160	3729.	12250.	15.495
#2	.02981	.01627	.14307	-.00354	.02114	3746.	12330.	15.438

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3440.3	4814.5	28843.	10349.
Stddev	9.7	16.3	64.	38.
%RSD	.28176	.33944	.22282	.36244
#1	3447.2	4826.1	28797.	10323.
#2	3433.5	4803.0	28888.	10376.

Sample Name: 480-28096-A-33-A Acquired: 11/13/2012 20:20:25 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00125	27.220	.03488	.0571	-0.031	.02329	.39519	.00274	20.847
Stddev	.00048	.061	.00097	.0021	.0019	.00016	.00172	.00001	.008
%RSD	38.640	.22548	2.7717	3.594	61.58	.68640	.43493	.18734	.04033
#1	.00091	27.177	.03556	.0586	-.0044	.02341	.39641	.00274	20.853
#2	.00159	27.264	.03419	.0557	-.0017	.02318	.39398	.00275	20.841

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00591	.01909	.04174	.38809	58.231	7.2485	6.3420	.04787	7.9004
Stddev	.00007	.00001	.00002	.00087	.441	.0266	.0065	.00176	.0252
%RSD	1.2536	.02705	.03848	.22328	.75804	.36627	.10175	3.6690	.31905
#1	.00597	.01909	.04175	.38870	58.543	7.2297	6.3466	.04911	7.9182
#2	.00586	.01910	.04173	.38747	57.919	7.2673	6.3374	.04663	7.8825

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3224	.00254	.14528	.05725	6.0814	3.7203	.00677	.01380	12.695
Stddev	.0038	.00001	.00029	.00015	.0047	.0132	.00015	.00047	.071
%RSD	.28824	.35914	.19651	.26094	.07759	.35569	2.2806	3.4107	.55958
#1	1.3251	.00253	.14508	.05715	6.0848	3.7296	.00666	.01347	12.644
#2	1.3197	.00255	.14548	.05736	6.0781	3.7109	.00688	.01414	12.745

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02499	.05770	.35549	-.00416	.04826	*****	*****	2.5761
Stddev	.00026	.00003	.00014	.00005	.00008	----	----	.0078
%RSD	1.0231	.04954	.03929	1.1702	.15542	----	----	.30442
#1	.02481	.05772	.35539	-.00413	.04831	3771.	12430.	2.5816
#2	.02517	.05768	.35559	-.00420	.04820	3787.	12480.	2.5705

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3371.6	4830.3	28918.	10475.
Stddev	6.5	11.4	100.	49.
%RSD	.19404	.23652	.34474	.46346
#1	3367.0	4822.3	28848.	10440.
#2	3376.3	4838.4	28988.	10509.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0012	32.806	.01881	.0468	.0139	.00521	.29075	.00168	4.0155
Stddev	.00059	.002	.00012	.0013	.0003	.00015	.00006	.00006	.0049
%RSD	482.80	.00575	.64803	2.756	2.344	2.8433	.01940	3.7548	.12113

#1	-.00054	32.804	.01890	.0459	.0141	.00510	.29071	.00173	4.0190
#2	.00030	32.807	.01873	.0477	.0136	.00531	.29079	.00164	4.0121

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00148	.02682	.03489	.06472	63.122	5.0632	4.3063	.07270	10.699
Stddev	.00001	.00013	.00074	.00005	.237	.0299	.0074	.00113	.026
%RSD	.47200	.48798	2.1317	.07522	.37613	.59068	.17204	1.5482	.24229

#1	.00148	.02673	.03437	.06475	62.954	5.0844	4.3115	.07191	10.680
#2	.00147	.02691	.03542	.06468	63.289	5.0421	4.3010	.07350	10.717

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.8637	.00086	.06431	.05616	.37240	1.1273	.00219	.00024	10.662
Stddev	.0037	.00015	.00574	.00035	.00122	.0029	.00175	.00026	.010
%RSD	.19943	17.152	8.9266	.61933	.32783	.25891	79.904	108.12	.09098

#1	1.8610	.00075	.06837	.05592	.37154	1.1294	.00095	.00006	10.669
#2	1.8663	.00096	.06026	.05641	.37327	1.1252	.00342	.00043	10.656

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01693	.02202	.30250	-.00415	.04410	*****	*****	.39432
Stddev	.00055	.00000	.00133	.00050	.00027	----	----	.00253
%RSD	3.2294	.01470	.44024	11.985	.60667	----	----	.64141

#1	.01731	.02201	.30156	-.00450	.04428	3749.	12370.	.39253
#2	.01654	.02202	.30344	-.00379	.04391	3756.	12330.	.39611

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3392.3	4839.4	28781.	10378.
Stddev	9.4	20.9	78.	2.
%RSD	.27827	.43205	.27204	.02307

#1	3385.6	4824.6	28837.	10376.
#2	3398.9	4854.1	28726.	10380.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	38.126	.02037	.0564	.0156	.00753	.31802	.00126	2.1606
Stddev	.00016	.096	.00016	.0005	.0016	.00037	.00003	.00001	.0073
%RSD	97.204	.25285	.77491	.9223	10.13	4.8734	.00859	.73284	.33972

#1	.00027	38.058	.02048	.0560	.0167	.00727	.31804	.00127	2.1658
#2	.00005	38.194	.02026	.0567	.0145	.00779	.31800	.00125	2.1554

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00145	.01390	.04856	.07073	51.681	2.4313	2.0817	.05125	6.3166
Stddev	.00001	.00010	.00000	.00056	.001	.0077	.0065	.00100	.0252
%RSD	.55872	.70307	.00780	.79220	.00203	.31763	.31176	1.9552	.39851

#1	.00144	.01383	.04856	.07033	51.682	2.4259	2.0862	.05054	6.3344
#2	.00146	.01397	.04856	.07112	51.680	2.4368	2.0771	.05195	6.2988

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.28138	.00205	.06956	.04462	.70211	2.8924	.00168	.00495	15.502
Stddev	.00083	.00024	.00538	.00012	.00110	.0092	.00027	.00185	.045
%RSD	.29527	11.551	7.7349	.26633	.15738	.31623	16.245	37.406	.28726

#1	.28197	.00222	.07336	.04471	.70290	2.8988	.00187	.00626	15.534
#2	.28079	.00188	.06576	.04454	.70133	2.8859	.00149	.00364	15.471

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01272	.01644	.27020	-.00379	.06702	*****	*****	.31266
Stddev	.00009	.00007	.00040	.00102	.00068	----	----	.00096
%RSD	.69789	.43744	.14932	26.828	1.0206	----	----	.30633

#1	.01266	.01649	.26991	-.00307	.06654	3809.	12540.	.31334
#2	.01278	.01639	.27048	-.00451	.06750	3826.	12550.	.31199

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3411.5	4897.8	29256.	10545.
Stddev	11.9	20.6	82.	43.
%RSD	.35009	.42126	.28082	.40804

#1	3403.0	4883.3	29198.	10515.
#2	3419.9	4912.4	29314.	10575.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0075	25.144	.01198	.0342	.0077	.00220	.21381	.00129	2.2455
Stddev	.00001	.079	.00059	.0007	.0030	.00006	.00018	.00011	.0101
%RSD	1.5101	.31325	4.9075	2.172	39.61	2.8981	.08222	8.2650	.44760
#1	-0.0075	25.199	.01157	.0347	.0098	.00215	.21394	.00136	2.2526
#2	-0.0076	25.088	.01240	.0337	.0055	.00224	.21369	.00121	2.2384

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00122	.02281	.02279	.04130	46.585	5.3814	4.3277	.05835	8.9800
Stddev	.00001	.00011	.00024	.00014	.055	.0421	.0068	.00065	.0129
%RSD	.59568	.46552	1.0614	.34477	.11806	.78248	.15643	1.1209	.14368
#1	.00121	.02289	.02262	.04140	46.546	5.4112	4.3325	.05881	8.9892
#2	.00122	.02274	.02297	.04120	46.624	5.3516	4.3229	.05789	8.9709

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.7550	-0.0001	.02231	.04462	.28813	.13683	-0.0054	.00099	10.157
Stddev	.0033	.00012	.00302	.00068	.00020	.00233	.00069	.00050	.007
%RSD	.11968	821.68	13.551	1.5272	.06950	1.7014	126.46	50.853	.06443
#1	2.7573	-0.0010	.02017	.04510	.28828	.13848	-0.0103	.00134	10.162
#2	2.7527	.00007	.02444	.04414	.28799	.13518	-0.0006	.00063	10.153

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02505	.01688	.23153	-.00228	.02705	*****	*****	.39003
Stddev	.00071	.00009	.00019	.00222	.00025	----	----	.00118
%RSD	2.8337	.52462	.08095	97.229	.90713	----	----	.30310
#1	.02555	.01682	.23140	-.00071	.02723	3702.	12220.	.38920
#2	.02455	.01694	.23166	-.00385	.02688	3737.	12290.	.39087

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3411.8	4818.6	28745.	10251.
Stddev	5.7	7.9	4.	71.
%RSD	.16570	.16410	.01404	.69310
#1	3407.8	4813.0	28742.	10201.
#2	3415.8	4824.2	28748.	10302.

Sample Name: 480-28096-A-37-A Acquired: 11/13/2012 20:29:15 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0020	31.930	.02222	.0475	.0071	.00601	.24850	.00204	3.3005
Stddev	.00005	.061	.00167	.0043	.0009	.00061	.00084	.00001	.0063
%RSD	24.585	.19063	7.5284	9.093	12.02	10.128	.33971	.66339	.18972
#1	-.00024	31.973	.02341	.0445	.0065	.00558	.24791	.00204	3.2961
#2	-.00017	31.887	.02104	.0506	.0077	.00644	.24910	.00203	3.3050

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00257	.02853	.03288	.14918	57.578	5.7089	4.7104	.07075	10.084
Stddev	.00009	.00017	.00065	.00120	.196	.0120	.0256	.00025	.043
%RSD	3.4104	.58706	1.9733	.80286	.34101	.20958	.54376	.34819	.42360
#1	.00251	.02865	.03242	.14834	57.717	5.7005	4.6923	.07092	10.054
#2	.00263	.02841	.03334	.15003	57.439	5.7174	4.7285	.07058	10.114

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.5161	.00006	.06618	.05740	2.0256	.52319	.00078	.00253	11.859
Stddev	.0063	.00017	.00341	.00006	.0008	.00359	.00086	.00402	.052
%RSD	.41493	274.50	5.1480	.10735	.03932	.68583	109.39	158.64	.43982
#1	1.5116	-.00006	.06859	.05736	2.0250	.52573	.00018	.00537	11.896
#2	1.5205	.00018	.06377	.05745	2.0261	.52065	.00139	-.00031	11.823

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01951	.02362	.28603	-.00403	.03983	*****	*****	1.3387
Stddev	.00093	.00003	.00321	.00091	.00032	----	----	.0089
%RSD	4.7662	.14287	1.1210	22.613	.80003	----	----	.66570
#1	.01885	.02360	.28376	-.00467	.03960	3761.	12360.	1.3324
#2	.02017	.02365	.28829	-.00338	.04005	3761.	12370.	1.3451

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3384.6	4853.7	28833.	10365.
Stddev	6.1	3.6	102.	18.
%RSD	.17917	.07514	.35531	.17704
#1	3380.3	4851.1	28905.	10378.
#2	3388.8	4856.2	28760.	10352.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00107	34.644	.03332	.0609	-0.0005	.00445	.53786	.00213	5.2345
Stddev	.00011	.017	.00250	.0020	.0000	.00039	.00392	.00002	.0147
%RSD	10.372	.04916	7.4936	3.242	8.787	8.7227	.72875	.74987	.28017

#1	.00099	34.656	.03509	.0595	-0.0005	.00472	.54064	.00214	5.2242
#2	.00115	34.632	.03155	.0623	-0.0005	.00417	.53509	.00212	5.2449

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01155	.04368	.03532	.36706	67.366	7.2003	6.0643	.07654	11.732
Stddev	.00001	.00002	.00048	.00403	.209	.0360	.0467	.00093	.066
%RSD	.08969	.05262	1.3685	1.0970	.31097	.49980	.77010	1.2106	.56009

#1	.01156	.04367	.03498	.36991	67.218	7.2257	6.0974	.07720	11.779
#2	.01155	.04370	.03567	.36421	67.514	7.1748	6.0313	.07588	11.686

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.3314	.00040	.06153	.06273	5.9338	.68660	.00004	.00469	11.661
Stddev	.0417	.00012	.00555	.00030	.0059	.00011	.00090	.00575	.008
%RSD	.44633	30.898	9.0230	.47274	.09894	.01668	2549.9	122.58	.06715

#1	9.3608	.00031	.06545	.06294	5.9379	.68652	-0.00060	.00062	11.666
#2	9.3019	.00049	.05760	.06252	5.9296	.68668	.00067	.00876	11.655

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02362	.02351	.27590	-0.0090	.03954	*****	*****	5.1409
Stddev	.00040	.00007	.00122	.00089	.00028	----	----	.0281
%RSD	1.7019	.28560	.44335	99.396	.69654	----	----	.54673

#1	.02334	.02346	.27676	-0.00153	.03974	3747.	12300.	5.1607
#2	.02390	.02356	.27503	-0.0027	.03935	3746.	12280.	5.1210

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3350.1	4842.0	28520.	10327.
Stddev	6.2	5.6	271.	4.
%RSD	.18614	.11511	.95090	.04016

#1	3345.7	4838.0	28328.	10330.
#2	3354.5	4845.9	28712.	10324.

Sample Name: 480-28096-A-39-A Acquired: 11/13/2012 20:33:47 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00792	11.714	.33058	.3337	.2067	.00272	.27467	.00316	1.9405
Stddev	.00021	.042	.00215	.0014	.0033	.00026	.00022	.00009	.0060
%RSD	2.5915	.36261	.65002	.4288	1.589	9.5782	.08167	2.7069	.30909
#1	.00806	11.744	.33210	.3327	.2043	.00291	.27451	.00310	1.9447
#2	.00777	11.684	.32906	.3348	.2090	.00254	.27482	.00322	1.9362

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01389	.00935	.01797	1.4423	107.32	2.1412	1.7622	.00836	1.2187
Stddev	.00014	.00000	.00023	.0005	.26	.0188	.0079	.00067	.0062
%RSD	1.0420	.01766	1.2667	.03287	.24231	.87919	.44765	8.0657	.51074
#1	.01399	.00935	.01813	1.4426	107.50	2.1545	1.7566	.00788	1.2143
#2	.01379	.00935	.01781	1.4419	107.14	2.1279	1.7677	.00884	1.2231

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11336	.00223	.05171	.02448	25.551	4.0793	.00914	.01928	9.9921
Stddev	.00183	.00020	.00358	.00009	.064	.0091	.00182	.00013	.0223
%RSD	1.6157	8.9601	6.9318	.38486	.24908	.22276	19.871	.68158	.22371
#1	.11206	.00237	.04917	.02441	25.596	4.0857	.01043	.01937	10.008
#2	.11465	.00209	.05424	.02455	25.506	4.0728	.00786	.01919	9.9763

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02689	.02244	.15109	-.00477	.06142	*****	*****	6.6797
Stddev	.00055	.00001	.00043	.00057	.00031	----	----	.0002
%RSD	2.0489	.03101	.28389	12.033	.50453	----	----	.00245
#1	.02728	.02245	.15139	-.00517	.06120	3764.	12350.	6.6796
#2	.02650	.02244	.15078	-.00436	.06164	3784.	12420.	6.6798

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3430.9	4858.6	29206.	10399.
Stddev	15.9	23.2	45.	12.
%RSD	.46355	.47705	.15382	.11596
#1	3419.6	4842.2	29174.	10391.
#2	3442.1	4875.0	29238.	10408.

Sample Name: CCV Acquired: 11/13/2012 20:36:02 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49794	24.344	49080	5221	5092	49410	49045	48696	24.958	49362	48117	50285	48439
Stddev	.00260	.148	.00116	.0004	.0015	.00023	.00026	.00216	.080	.00036	.00095	.00023	.00113
%RSD	.52255	.60889	.23583	.0792	.2873	.04745	.05242	.44385	.32082	.07346	.19644	.04514	.23309

#1	.49978	24.239	.49161	.5218	.5103	.49427	.49027	.48543	24.901	.49388	.48184	.50269	.48519
#2	.49610	24.449	.48998	.5224	.5082	.49394	.49063	.48848	25.014	.49336	.48051	.50301	.48359

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.574	24.751	24.643	48230	23.561	49172	49706	24.980	48908	49515	24.244	51033	49306
Stddev	.134	.103	.262	.00125	.007	.00083	.00064	.173	.00165	.00233	.008	.00146	.00430
%RSD	.54578	.41712	1.0639	.25977	.02972	.16916	.12931	.69329	.33789	.46980	.03430	.28676	.87206

#1	24.479	24.678	24.458	.48142	23.566	.49113	.49751	24.858	.49025	.49351	24.239	.51137	.49002
#2	24.668	24.824	24.828	.48319	23.556	.49230	.49660	25.103	.48791	.49680	24.250	.50930	.49610

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	25.219	50150	50159	49335	48836	48434	z *****	z *****	50122
Stddev	.069	.00116	.00278	.00192	.00086	.00009	-----	-----	.00142
%RSD	.27355	.23134	.55473	.38969	.17536	.01841	-----	-----	.28261

#1	25.170	.50232	.49962	.49199	.48896	.48441	z 3836.	z 12550.	.50022
#2	25.268	.50068	.50356	.49471	.48775	.48428	z 3833.	z 12490.	.50222

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3467.0	5106.0	29743.	10450.
Stddev	.2	13.5	67.	28.
%RSD	.00479	.26370	.22531	.26403

#1	3466.9	5115.5	29790.	10470.
#2	3467.2	5096.5	29696.	10430.

Sample Name: CCB Acquired: 11/13/2012 20:38:13 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0045	.02384	.00160	.0017	.0008	-0.0386	.00035	-0.00003	.00913	.00000	.00009	-0.00005
Stddev	.00038	.00372	.00066	.0007	.0021	.00071	.00001	.00010	.00211	.0001	.00006	.00032
%RSD	83.955	15.621	41.181	43.15	263.9	18.365	1.9091	340.44	23.146	66857.	63.881	604.09

#1	-0.00071	.02647	.00113	.0022	.0023	-0.00336	.00035	-0.00011	.00763	.00006	.00005	-0.00028
#2	-0.00018	.02121	.00206	.0012	-0.0007	-0.00436	.00036	.00004	.01062	-0.00006	.00014	.00017

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00116	F .07262	.04886	.00644	-0.00060	.01113	.00225	.00059	-0.02018	.00028	F .00613	.00369
Stddev	.00044	.00260	.01164	.00049	.00033	.00296	.00006	.00003	.00728	.00041	.00021	.00110
%RSD	37.400	3.5784	23.818	7.5850	55.711	26.556	2.5597	5.2510	36.054	143.33	3.3455	29.709

#1	.00086	.07078	.05708	.00679	-0.00083	.00904	.00229	.00061	-.02532	.00000	.00627	.00292
#2	.00147	.07445	.04063	.00610	-0.00036	.01322	.00221	.00057	-0.01504	.00057	.00598	.00447

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		.05000									.00500	
Low Limit		-.05000									-.00500	

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00032	.00040	.02031	-0.00020	.00010	.00089	-0.00081	.00037	z *****	z *****	.00319
Stddev	.00045	.00099	.01531	.00028	.00007	.00015	.00030	.00065	----	----	.00018
%RSD	143.58	247.25	75.411	142.58	64.474	16.429	37.182	172.92	----	----	5.7052

#1	.00000	.00110	.00948	-0.00039	.00015	.00099	-0.00102	.00083	z 3801.	z 12480.	.00306
#2	.00064	-0.00030	.03113	.00000	.00006	.00079	-0.00060	-0.00008	z 3747.	z 12320.	.00331

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit											
Low Limit											

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3633.9	5059.0	29715.	10395.
Stddev	.5	16.6	23.	79.
%RSD	.01343	.32814	.07593	.75545

#1	3634.3	5070.7	29699.	10451.
#2	3633.6	5047.2	29731.	10340.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00155	36.081	.02558	.0593	.0148	.01325	.13101	.00188	.65596
Stddev	.00039	.456	.00030	.0024	.0050	.00020	.00051	.00005	.01388
%RSD	25.302	1.2648	1.1640	4.062	34.15	1.5062	.39006	2.8813	2.1154
#1	.00183	35.758	.02579	.0610	.0183	.01311	.13137	.00184	.64615
#2	.00127	36.403	.02537	.0576	.0112	.01339	.13065	.00191	.66577

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00158	.01639	.04385	.15737	57.749	4.8916	4.1781	.05030	7.0712
Stddev	.00006	.00004	.00019	.00150	.395	.0362	.0168	.00065	.0273
%RSD	3.8627	.26868	.43404	.95080	.68455	.73905	.40287	1.2845	.38606
#1	.00154	.01636	.04399	.15843	57.470	4.8660	4.1900	.04985	7.0905
#2	.00163	.01643	.04372	.15631	58.029	4.9171	4.1662	.05076	7.0519

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.60393	.00252	.06990	.04719	2.2056	2.0314	.00270	.00441	13.180
Stddev	.00207	.00001	.00033	.00016	.0079	.0026	.00071	.00204	.079
%RSD	.34220	.54917	.46819	.34887	.35827	.12653	26.266	46.267	.60184
#1	.60539	.00253	.07013	.04707	2.2112	2.0333	.00321	.00297	13.124
#2	.60247	.00251	.06967	.04731	2.2000	2.0296	.00220	.00586	13.236

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01655	.01063	.27897	-.00327	.08249	*****	*****	.35850
Stddev	.00034	.00008	.00423	.00141	.00046	----	----	.00191
%RSD	2.0404	.78244	1.5161	42.969	.55482	----	----	.53245
#1	.01679	.01057	.28196	-.00228	.08217	3784.	12430.	.35985
#2	.01631	.01069	.27598	-.00427	.08282	3752.	12340.	.35715

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3379.7	4808.8	28573.	10420.
Stddev	21.6	20.6	125.	72.
%RSD	.63884	.42930	.43733	.68712
#1	3364.4	4794.2	28485.	10470.
#2	3394.9	4823.4	28661.	10369.

Sample Name: MB 480-90228/1-B Acquired: 11/13/2012 20:42:39 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0091	.05185	.00056	.0016	.0035	-0.00350	.00048	.00001	.03894
Stddev	.00077	.00256	.00225	.0006	.0018	.00003	.00001	.00007	.00225
%RSD	85.322	4.9357	400.90	39.25	50.33	.96285	1.2521	1159.8	5.7744

#1	-0.0036	.05004	.00215	.0020	.0023	-0.00348	.00048	-0.0004	.04053
#2	-0.0146	.05365	-0.00103	.0011	.0048	-0.00353	.00047	.00006	.03735

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00013	-0.00009	.00150	F .17216	.05121	.00886	-0.0165	.01545
Stddev	.00009	.00009	.00002	.00003	.001376	.00194	.00035	.00021	.00594
%RSD	361.68	69.777	21.390	2.3145	7.9936	3.7807	3.9146	12.901	38.468

#1	.00009	.00007	-0.00010	.00147	.18189	.04984	.00910	-0.00180	.01966
#2	-0.00004	.00019	-0.00007	.00152	.16243	.05258	.00861	-0.00150	.01125

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.04246				
Low Limit					-0.04000				

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00232	.00016	-0.03653	.00032	F .00789	.00651	.00013	.00058	.01986
Stddev	.00025	.00010	.00039	.00023	.00036	.00566	.00035	.00019	.00907
%RSD	10.855	60.260	1.0742	73.909	4.5526	86.936	274.72	33.753	45.704

#1	.00250	.00023	-0.03625	.00015	.00814	.00251	.00037	.00071	.02627
#2	.00214	.00009	-0.03681	.00048	.00764	.01051	-0.00012	.00044	.01344

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00035				.00638				
Low Limit	-0.00300				-0.00400				

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00004	.00023	.00066	-0.00018	-0.00027	F *****	*****	.00281
Stddev	.00000	.00000	.00050	.00005	.00045	----	----	.00048
%RSD	6.7513	1.8099	75.799	25.490	168.24	----	----	17.177

#1	.00005	.00023	.00030	-0.00021	.00005	3873.	12700.	.00315
#2	.00004	.00023	.00101	-0.00015	-0.00059	3854.	12600.	.00247

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						12.00		
Low Limit						8.000		

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3706.6	5178.1	30499.	10628.
Stddev	9.0	16.9	236.	43.
%RSD	.24203	.32570	.77469	.40380

#1	3712.9	5190.0	30666.	10658.
#2	3700.2	5166.2	30331.	10598.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05195	10.138	.20104	.2167	.2122	.20443	.20810	.20361	10.138
Stddev	.00065	.100	.00302	.0033	.0007	.00052	.00084	.00331	.146
%RSD	1.2587	.98820	1.5000	1.508	.3338	.25214	.40589	1.6237	1.4373

#1	.05149	10.067	.19891	.2144	.2127	.20479	.20870	.20127	10.035
#2	.05242	10.208	.20317	.2190	.2117	.20407	.20750	.20595	10.241

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20355	.20040	.20782	.20367	10.207	10.125	9.5910	.19971	9.9280
Stddev	.00034	.00043	.00242	.00139	.173	.109	.0313	.00218	.0901
%RSD	.16476	.21453	1.1645	.68482	1.6905	1.0811	.32660	1.0923	.90803

#1	.20379	.20071	.20953	.20466	10.085	10.047	9.6131	.19817	9.9918
#2	.20331	.20010	.20611	.20269	10.329	10.202	9.5688	.20125	9.8643

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20173	.20860	10.137	.19870	.20110	.00755	.21116	.20290	10.492
Stddev	.00169	.00101	.149	.00065	.00035	.00099	.00208	.00067	.116
%RSD	.83899	.48281	1.4688	.32577	.17533	13.163	.98404	.33093	1.1046

#1	.20293	.20932	10.032	.19825	.20135	.00685	.20969	.20338	10.410
#2	.20054	.20789	10.242	.19916	.20086	.00826	.21263	.20243	10.574

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.20062	.20704	.19800	.19216	.19988	*****	*****	.21554
Stddev	.00087	.00247	.00118	.00090	.00097	----	----	.00112
%RSD	.43274	1.1949	.59638	.46659	.48369	----	----	.52065

#1	.20124	.20529	.19883	.19152	.20056	3848.	12680.	.21634
#2	.20001	.20879	.19716	.19279	.19919	3808.	12490.	.21475

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3544.8	5055.0	29582.	10539.
Stddev	6.0	1.4	132.	119.
%RSD	.16906	.02730	.44723	1.1263

#1	3549.0	5054.0	29489.	10623.
#2	3540.5	5056.0	29676.	10455.

Sample Name: 480-27956-C-10-B Acquired: 11/13/2012 20:47:07 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0049	.06732	.00068	.0036	.0013	.32544	5.8412	-0.0002	428.90
Stddev	.00047	.01092	.00293	.0001	.0029	.00071	.0024	.00006	3.71
%RSD	97.353	16.214	430.80	1.579	224.6	.21884	.04082	299.24	.86391

#1	-.00082	.07504	.00275	.0035	.0033	.32594	5.8395	-.00007	431.52
#2	-.00015	.05960	-.00139	.0036	-.0008	.32494	5.8429	.00002	426.28

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	.00016	.00571	.00365	.07864	36.083	85.678	.03274	.96922
Stddev	.00006	.00034	.00016	.00035	.00326	.080	.565	.00100	.01059
%RSD	32.012	212.53	2.7334	9.4998	4.1393	.22246	.65968	3.0485	1.0926

#1	.00025	.00040	.00559	.00340	.08094	36.026	85.278	.03203	.96173
#2	.00016	-.00008	.00582	.00389	.07633	36.140	86.077	.03344	.97671

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00113	.11807	3513.1	.00616	-0.00006	19.608	.00200	.00267	7.6422
Stddev	.00023	.00018	6.0	.00003	.00015	.049	.00102	.00321	.0115
%RSD	20.019	.15259	.17021	.50863	264.31	.25053	51.121	120.46	.15030

#1	.00097	.11794	3517.4	.00614	-.00017	19.643	.00273	.00040	7.6504
#2	.00129	.11820	3508.9	.00619	.00005	19.574	.00128	.00494	7.6341

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00157	6.9824	.00114	-.00190	.00833	*****	*****	.00196
Stddev	.00161	.0191	.00038	.00093	.00088	----	----	.00047
%RSD	102.42	.27411	33.371	48.802	10.499	----	----	23.826

#1	.00043	6.9960	.00141	-.00256	.00895	3517.	11480.	.00229
#2	.00271	6.9689	.00087	-.00124	.00772	3531.	11530.	.00163

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2392.4	4071.9	22711.	9620.2
Stddev	2.4	5.0	73.	61.9
%RSD	.10240	.12402	.32261	.64304

#1	2394.2	4068.4	22763.	9576.4
#2	2390.7	4075.5	22659.	9663.9

Sample Name: 480-27956-C-11-B Acquired: 11/13/2012 20:50:01 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0053	.03819	.00125	.0029	.0054	.42493	.20485	-0.0002	60.496
Stddev	.00028	.00411	.00094	.0011	.0004	.00095	.00012	.00006	.097
%RSD	52.457	10.765	75.551	37.23	6.988	.22337	.05669	288.91	.16074

#1	-0.0034	.04110	.00191	.0037	.0052	.42426	.20493	-0.0006	60.427
#2	-0.0073	.03528	.00058	.0022	.0057	.42560	.20477	.00002	60.565

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00032	.00020	-0.00075	.00291	.03583	24.538	54.640	.01707	10.010
Stddev	.00004	.00011	.00023	.00051	.00899	.040	.223	.00010	.041
%RSD	12.449	55.495	31.012	17.436	25.083	.16372	.40791	.60565	.40594

#1	.00029	.00012	-0.00059	.00327	.04219	24.509	54.482	.01714	10.039
#2	.00035	.00028	-0.00092	.00255	.02948	24.566	54.797	.01699	9.9814

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09794	.05502	1864.2	.00447	.00179	26.500	.00039	-0.00258	4.8155
Stddev	.00034	.00021	2.0	.00084	.00070	.049	.00063	.00282	.0189
%RSD	.34281	.38851	.10569	18.825	38.989	.18416	161.84	109.38	.39332

#1	.09770	.05517	1865.6	.00388	.00130	26.534	-0.0006	-0.00058	4.8289
#2	.09817	.05487	1862.8	.00507	.00228	26.465	.00084	-0.00458	4.8021

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00131	1.1261	-0.00007	-0.00291	.00032	*****	*****	.00169
Stddev	.00034	.0031	.00002	.00167	.00036	----	----	.00048
%RSD	25.813	.27131	34.997	57.336	113.37	----	----	28.658

#1	.00107	1.1282	-0.00009	-0.00409	.00057	3621.	11880.	.00135
#2	.00154	1.1239	-0.00005	-0.00173	.00006	3587.	11790.	.00203

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2688.5	4372.8	24267.	9907.0
Stddev	3.7	2.4	19.	24.9
%RSD	.13881	.05600	.07656	.25125

#1	2685.8	4374.5	24253.	9924.6
#2	2691.1	4371.0	24280.	9889.4

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	.03362	.02306	.0232	.0214	.12637	.13526	-.00008	291.40
Stddev	.00026	.00944	.00111	.0015	.0005	.00018	.00063	.00003	.07
%RSD	61.363	28.072	4.8007	6.496	2.276	.14180	.46745	38.489	.02537

#1	.00024	.02694	.02384	.0221	.0210	.12624	.13571	-.00011	291.46
#2	.00060	.04029	.02228	.0242	.0217	.12649	.13482	-.00006	291.35

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00049	.01474	.00007	.00382	.11594	12.595	18.837	.09982	122.64
Stddev	.00009	.00034	.00050	.00005	.00091	.009	.059	.00019	.81
%RSD	18.321	2.2924	740.66	1.3791	.78154	.07514	.31581	.19488	.65791

#1	.00055	.01498	.00042	.00379	.11530	12.588	18.879	.09995	123.21
#2	.00042	.01450	-.00029	.00386	.11658	12.601	18.795	.09968	122.07

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.98208	.02074	161.85	.01364	.00233	57.682	.00583	.00300	6.5057
Stddev	.00663	.00041	.18	.00012	.00033	.000	.00003	.00054	.0018
%RSD	.67479	1.9928	.11375	.91447	14.017	.00077	.55831	17.916	.02723

#1	.98676	.02103	161.98	.01355	.00210	57.682	.00586	.00262	6.5069
#2	.97739	.02045	161.72	.01373	.00256	57.682	.00581	.00338	6.5044

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00010	3.5317	.00188	-.00093	.00011	*****	*****	.00334
Stddev	.00059	.0111	.00024	.00074	.00057	----	----	.00018
%RSD	589.89	.31456	12.687	79.777	531.95	----	----	5.3146

#1	-.00052	3.5396	.00171	-.00041	.00051	3622.	11860.	.00347
#2	.00032	3.5238	.00205	-.00145	-.00030	3656.	11960.	.00322

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2979.4	4517.3	26579.	9947.9
Stddev	1.0	4.9	178.	5.4
%RSD	.03211	.10833	.67072	.05423

#1	2980.1	4520.8	26453.	9944.1
#2	2978.8	4513.8	26705.	9951.7

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	1.0019	.00071	.0025	.0057	.01704	.05919	-.00007	47.534
Stddev	.00069	.0182	.00278	.0004	.0001	.00021	.00010	.00004	.302
%RSD	5051.1	1.8176	393.42	16.16	2.500	1.2485	.17403	52.045	.63472

#1	.00050	.98904	-.00126	.0028	.0056	.01719	.05926	-.00010	47.321
#2	-.00047	1.0148	.00267	.0022	.0058	.01689	.05911	-.00005	47.748

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00002	.00006	.00414	.02606	.03339	6.8664	8.3321	.00098	.04408
Stddev	.00014	.00002	.00000	.00014	.00627	.0500	.0607	.00053	.00206
%RSD	688.25	23.787	.11016	.53381	18.771	.72842	.72875	54.405	4.6796

#1	.00008	.00005	.00413	.02616	.02896	6.8310	8.2892	.00060	.04554
#2	-.00012	.00007	.00414	.02597	.03782	6.9017	8.3751	.00135	.04263

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00088	.01261	75.102	.00324	-.00128	7.1167	.00178	-.00043	5.7296
Stddev	.00012	.00000	.334	.00013	.00054	.0157	.00171	.00174	.0084
%RSD	13.308	.03879	.44522	3.9572	41.904	.22119	96.291	407.52	.14709

#1	.00096	.01261	74.865	.00315	-.00090	7.1056	.00057	.00080	5.7236
#2	.00080	.01260	75.338	.00333	-.00166	7.1279	.00299	-.00166	5.7355

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00007	2.0732	.00058	-.00110	.00892	****	****	.00183
Stddev	.00020	.0086	.00009	.00140	.00009	----	----	.00026
%RSD	282.07	.41220	16.048	127.36	1.0568	----	----	14.486

#1	-.00022	2.0672	.00065	-.00011	.00898	3807.	12450.	.00202
#2	.00007	2.0793	.00052	-.00209	.00885	3764.	12340.	.00164

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3369.2	4885.6	28555.	10402.
Stddev	4.4	8.9	128.	64.
%RSD	.12939	.18162	.44770	.61129

#1	3372.3	4891.9	28646.	10447.
#2	3366.1	4879.4	28465.	10357.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0049	.20100	-0.00036	.0013	.0027	-0.00030	.01412	.00001	10.035
Stddev	.00006	.01102	.00253	.0008	.0015	.00012	.00013	.00001	.096
%RSD	11.338	5.4819	701.29	66.98	56.04	41.185	.90256	100.90	.96123

#1	-0.00046	.19321	-0.00215	.0007	.0016	-0.00021	.01421	.00000	9.9670
#2	-0.00053	.20879	.00143	.0019	.0038	-0.00038	.01403	.00002	10.103

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00007	.00005	.00031	.00608	.02881	1.4547	1.3038	-0.0144	.05501
Stddev	.00003	.00011	.00031	.00043	.00395	.0096	.0061	.00050	.00650
%RSD	36.922	212.91	98.721	6.9925	13.697	.65822	.46493	34.435	11.823

#1	-0.00005	-0.00003	.00053	.00638	.02602	1.4480	1.3081	-.00109	.05961
#2	-0.00009	.00013	.00009	.00578	.03160	1.4615	1.2995	-.00179	.05041

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00070	.00233	16.714	.00042	.00017	1.4168	.00062	.00059	1.1573
Stddev	.00008	.00021	.450	.00020	.00096	.0041	.00081	.00030	.0079
%RSD	11.762	8.9107	2.6945	48.425	565.60	.28917	131.84	50.739	.68625

#1	.00076	.00218	16.396	.00056	.00085	1.4139	.00119	.00080	1.1517
#2	.00064	.00247	17.033	.00027	-.00051	1.4197	.00004	.00038	1.1629

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00022	.42392	-0.00029	-0.00032	.00175	*****	*****	.00117
Stddev	.00048	.00162	.00021	.00043	.00016	----	----	.00021
%RSD	222.79	.38327	73.493	132.81	9.3903	----	----	17.815

#1	-0.00056	.42277	-0.00014	-0.00002	.00187	3786.	12450.	.00103
#2	.00012	.42507	-0.00044	-0.00062	.00163	3780.	12370.	.00132

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3573.5	5026.7	29475.	10403.
Stddev	.1	3.0	11.	54.
%RSD	.00278	.05951	.03656	.52177

#1	3573.6	5028.9	29467.	10441.
#2	3573.5	5024.6	29483.	10365.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04813	11.016	.20607	.2147	.2060	.22777	.25968	.20227	56.324
Stddev	.00117	.030	.00167	.0010	.0013	.00083	.00081	.00064	.269
%RSD	2.4287	.27587	.81226	.4799	.6208	.36457	.31358	.31692	.47724

#1	.04730	11.037	.20488	.2140	.2069	.22719	.25910	.20272	56.514
#2	.04895	10.994	.20725	.2154	.2051	.22836	.26025	.20181	56.134

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20312	.20267	.20388	.22624	9.9413	16.881	20.104	.20198	9.6560
Stddev	.00020	.00030	.00009	.00018	.0350	.042	.038	.00059	.0119
%RSD	.09617	.14743	.04382	.08059	.35152	.24752	.19125	.29384	.12342

#1	.20298	.20246	.20382	.22611	9.9660	16.911	20.132	.20240	9.6475
#2	.20326	.20288	.20395	.22637	9.9166	16.852	20.077	.20156	9.6644

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20075	.21920	84.568	.20412	.19854	6.8899	.21350	.19931	16.378
Stddev	.00057	.00004	.362	.00035	.00080	.0055	.00120	.00139	.049
%RSD	.28227	.01659	.42767	.17233	.40409	.08034	.56431	.69733	.29816

#1	.20035	.21923	84.824	.20437	.19911	6.8938	.21265	.19832	16.412
#2	.20115	.21918	84.313	.20387	.19797	6.8860	.21436	.20029	16.343

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.19530	2.2353	.20248	.19082	.20650	*****	*****	.21093
Stddev	.00034	.0090	.00034	.00186	.00202	----	----	.00192
%RSD	.17217	.40290	.16838	.97608	.97814	----	----	.90796

#1	.19554	2.2417	.20224	.18951	.20507	3749.	12280.	.20957
#2	.19506	2.2290	.20272	.19214	.20793	3762.	12340.	.21228

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3287.4	4857.4	28336.	10311.
Stddev	.9	4.2	20.	22.
%RSD	.02850	.08558	.07100	.21776

#1	3288.0	4860.3	28351.	10295.
#2	3286.7	4854.5	28322.	10327.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04943	10.677	.20055	.2074	.2022	.21703	.25353	.19732	57.046
Stddev	.00037	.167	.00272	.0012	.0023	.00043	.00012	.00237	.503
%RSD	.75525	1.5641	1.3539	.5546	1.156	.19867	.04755	1.2013	.88146

#1	.04970	10.795	.19863	.2066	.2005	.21673	.25361	.19899	57.401
#2	.04917	10.559	.20247	.2083	.2038	.21734	.25344	.19564	56.690

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19597	.19388	.20064	.22061	9.6475	16.721	19.757	.19547	9.2978
Stddev	.00025	.00025	.00007	.00028	.0798	.148	.183	.00208	.0557
%RSD	.13003	.13125	.03479	.12724	.82747	.88560	.92767	1.0625	.59901

#1	.19579	.19406	.20059	.22041	9.7039	16.826	19.628	.19693	9.3372
#2	.19615	.19370	.20069	.22081	9.5910	16.616	19.887	.19400	9.2585

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18807	.21025	84.850	.19493	.19213	7.0216	.20706	.19931	15.871
Stddev	.00081	.00054	.992	.00007	.00078	.0039	.00045	.00213	.150
%RSD	.43322	.25710	1.1690	.03422	.40427	.05499	.21908	1.0673	.94499

#1	.18864	.21063	85.551	.19497	.19268	7.0189	.20674	.20081	15.977
#2	.18749	.20987	84.149	.19488	.19158	7.0243	.20738	.19780	15.764

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.19612	2.2627	.18948	.18492	.19827	*****	*****	.20250
Stddev	.00009	.0224	.00052	.00161	.00110	----	----	.00183
%RSD	.04371	.98861	.27567	.87074	.55647	----	----	.90436

#1	.19618	2.2786	.18911	.18378	.19905	3705.	12160.	.20379
#2	.19606	2.2469	.18985	.18605	.19749	3760.	12330.	.20120

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3297.8	4873.9	28385.	10266.
Stddev	7.4	6.0	90.	95.
%RSD	.22346	.12299	.31623	.92999

#1	3292.6	4869.7	28321.	10198.
#2	3303.0	4878.2	28448.	10333.

Sample Name: CCV Acquired: 11/13/2012 21:04:35 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49142	24.188	48971	5101	4989	49445	49608	48071	24.366	49309	47784	49084	48584
Stddev	.00014	.025	.00077	.0005	.0038	.00197	.00127	.00114	.035	.00126	.00248	.00079	.00226
%RSD	.02876	.10539	.15823	.1060	.7525	.39848	.25518	.23798	.14354	.25643	.51953	.15999	.46458

#1	.49132	24.170	.49025	.5105	.5015	.49584	.49518	.48152	24.391	.49398	.47959	.49140	.48425
#2	.49152	24.206	.48916	.5097	.4962	.49305	.49697	.47991	24.341	.49219	.47608	.49029	.48744

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.840	24.746	24.999	48864	23.454	48516	49580	25.152	48528	48228	24.312	51168	49771
Stddev	.072	.047	.330	.00078	.060	.00105	.00138	.057	.00317	.00169	.088	.00001	.00518
%RSD	.30379	.18955	1.3187	.15908	.25585	.21634	.27928	.22744	.65310	.35025	.35997	.00214	1.0402

#1	23.891	24.779	25.232	.48809	23.496	.48590	.49678	25.192	.48752	.48347	24.374	.51169	.50137
#2	23.789	24.713	24.766	.48919	23.411	.48441	.49482	25.111	.48304	.48108	24.250	.51168	.49405

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	24.580	49608	49988	49120	48277	48374	z *****	z *****	48143
Stddev	.091	.00007	.00013	.00089	.00055	.00065	-----	-----	.00202
%RSD	.36912	.01348	.02531	.18194	.11450	.13516	-----	-----	.41972

#1	24.644	.49612	.49997	.49057	.48238	.48421	z 3779.	z 12410.	.48286
#2	24.516	.49603	.49979	.49183	.48316	.48328	z 3765.	z 12350.	.48000

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3383.9	4966.0	28947.	10383.
Stddev	8.7	5.2	128.	6.
%RSD	.25753	.10393	.44180	.06152

#1	3377.7	4962.4	28856.	10387.
#2	3390.0	4969.7	29037.	10378.

Sample Name: CCB Acquired: 11/13/2012 21:06:46 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0030	.03245	.00076	.0012	.0030	-0.00313	.00054	.00008	.08169	.00010	.00000	.00030	.00103
Stddev	.00102	.01046	.00081	.0000	.0030	.00082	.00001	.00002	.00287	.00004	.00010	.00006	.00013
%RSD	340.95	32.241	106.16	.3907	99.40	26.210	1.1304	30.979	3.5071	42.343	2157.1	20.938	12.467

#1	.00042	.03985	.00134	.0012	.0051	-.00371	.00055	.00006	.07967	.00014	.00008	.00026	.00112
#2	-.00102	.02505	.00019	.0012	.0009	-.00255	.00054	.00009	.08372	.00007	-.00007	.00035	.00094

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01556	.08018	.01148	-.00130	.01645	.00028	.00074	.40440	.00031	.00030	.00817	.00004	.00176
Stddev	.00432	.01653	.00030	.00010	.00006	.00004	.00010	.00016	.00011	.00049	.00001	.00043	.00196
%RSD	27.762	20.614	2.6390	7.9414	.35674	13.579	12.827	.03913	36.887	162.91	.09638	1030.8	111.30

#1	.01251	.09187	.01170	-.00123	.01649	.00031	.00068	.40428	.00023	.00065	.00816	-.00026	.00315
#2	.01862	.06850	.01127	-.00137	.01641	.00025	.00081	.40451	.00039	-.00005	.00817	.00034	.00038

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02199	-.00025	.00172	.00041	-.00020	-.00007	z *****	z *****	-.00004
Stddev	.01567	.00045	.00006	.00065	.00079	.00005	z -----	z -----	.00003
%RSD	71.252	180.23	3.6278	156.53	397.62	76.008	z -----	z -----	72.263

#1	.03307	.00007	.00176	.00087	-.00076	-.00011	z 3739.	z 12220.	-.00002
#2	.01091	-.00057	.00167	-.00004	.00036	-.00003	z 3766.	z 12330.	-.00006

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3598.3	5023.1	29630.	10309.
Stddev	5.9	9.9	102.	58.
%RSD	.16306	.19704	.34331	.55781

#1	3594.1	5016.1	29702.	10269.
#2	3602.4	5030.1	29558.	10350.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05023	10.919	.20931	.2107	.2058	.22507	.25939	.19933	57.393
Stddev	.00078	.002	.00100	.0020	.0017	.00046	.00048	.00099	.176
%RSD	1.5506	.01462	.47989	.9472	.8413	.20359	.18327	.49781	.30729

#1	.05079	10.918	.21002	.2093	.2070	.22539	.25905	.19863	57.268
#2	.04968	10.920	.20860	.2122	.2045	.22474	.25973	.20003	57.518

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20217	.20051	.20593	.22568	9.7535	17.037	20.494	.20053	9.5609
Stddev	.00118	.00085	.00069	.00048	.0046	.034	.053	.00011	.0292
%RSD	.58439	.42506	.33341	.21195	.04694	.20191	.26025	.05368	.30586

#1	.20301	.20111	.20642	.22602	9.7503	17.013	20.532	.20061	9.5816
#2	.20133	.19991	.20545	.22534	9.7568	17.061	20.457	.20045	9.5402

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19287	.21694	85.558	.20074	.19545	7.2787	.21146	.20113	16.017
Stddev	.00019	.00103	.129	.00100	.00150	.0378	.00268	.00114	.028
%RSD	.09965	.47296	.15033	.49877	.76994	.51957	1.2656	.56857	.17244

#1	.19300	.21767	85.467	.20144	.19438	7.3054	.21335	.20033	16.036
#2	.19273	.21622	85.649	.20003	.19651	7.2519	.20956	.20194	15.997

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.20323	2.2908	.19308	.19023	.20290	*****	*****	.20767
Stddev	.00125	.0042	.00006	.00038	.00005	----	----	.00163
%RSD	.61340	.18238	.03269	.20131	.02276	----	----	.78632

#1	.20411	2.2879	.19304	.19050	.20293	3798.	12500.	.20883
#2	.20235	2.2938	.19313	.18996	.20287	3784.	12440.	.20652

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3279.5	4843.7	28376.	10492.
Stddev	12.1	15.8	19.	58.
%RSD	.36749	.32552	.06709	.55117

#1	3271.0	4832.5	28389.	10532.
#2	3288.0	4854.8	28362.	10451.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.06668	.00705	.0077	.0049	2.3879	.88649	.00005	113.15
Stddev	.00015	.01599	.00402	.0004	.0017	.0255	.00536	.00005	.21
%RSD	481.94	23.976	57.049	5.250	35.00	1.0678	.60496	117.89	.18205

#1	-.00008	.05537	.00990	.0074	.0061	2.3699	.88270	.00008	113.30
#2	.00014	.07798	.00421	.0080	.0037	2.4060	.89028	.00001	113.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00039	.00330	.00025	.00271	.21566	17.053	24.275	.01328	36.869
Stddev	.00000	.00020	.00001	.00017	.00480	.083	.120	.00002	.338
%RSD	.78640	6.0027	3.3123	6.1736	2.2280	.48761	.49411	.13044	.91598

#1	.00039	.00343	.00026	.00260	.21905	16.994	24.190	.01326	36.630
#2	.00038	.00316	.00024	.00283	.21226	17.112	24.360	.01329	37.108

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.86548	.01053	164.32	.01099	-0.00026	5.5310	-0.00031	.00167	5.0937
Stddev	.00531	.00026	.02	.00054	.00070	.0306	.00062	.00174	.0173
%RSD	.61373	2.4973	.01194	4.8810	273.43	.55403	197.15	103.75	.33946

#1	.86173	.01034	164.33	.01136	.00024	5.5093	-.00075	.00290	5.1059
#2	.86924	.01071	164.30	.01061	-.00075	5.5527	.00012	.00045	5.0815

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00010	1.3560	.00145	.00031	.00098	*****	*****	.00282
Stddev	.00029	.0004	.00026	.00128	.00054	----	----	.00020
%RSD	280.21	.03285	18.005	414.47	55.678	----	----	6.9801

#1	-.00010	1.3563	.00127	.00121	.00136	3796.	12410.	.00268
#2	.00031	1.3556	.00163	-.00059	.00059	3794.	12470.	.00296

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3119.4	4643.3	27295.	10478.
Stddev	14.0	25.8	58.	54.
%RSD	.44766	.55484	.21213	.51388

#1	3129.3	4661.5	27336.	10440.
#2	3109.6	4625.1	27254.	10516.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0014	.07273	.00190	.0033	.0035	2.5330	.39031	.00006	103.71
Stddev	.00065	.01186	.00199	.0004	.0008	.0017	.00062	.00012	.03
%RSD	476.31	16.307	104.68	12.65	23.92	.06769	.15792	206.68	.03189

#1	.00032	.06434	.00049	.0036	.0029	2.5318	.38987	.00014	103.69
#2	-.00060	.08111	.00331	.0030	.0040	2.5342	.39074	-.00003	103.73

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.00145	.00138	.04168	.14737	120.81	****	.10610	75.502
Stddev	.00009	.00028	.00040	.0004	.00214	.20	----	.00064	.137
%RSD	25.115	19.690	28.668	.95035	1.4509	.16509	----	.60246	.18103

#1	.00041	.00124	.00110	.04196	.14888	120.95	----	.10565	75.406
#2	.00028	.00165	.00166	.04140	.14586	120.67	----	.10655	75.599

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.40558	.00169	181.80	.01058	.00037	13.715	-.00009	-.00086	8.8551
Stddev	.00068	.00016	.26	.00006	.00001	.006	.00013	.00124	.0083
%RSD	.16710	9.4479	.14298	.52126	3.3069	.04560	143.13	143.81	.09366

#1	.40510	.00180	181.61	.01054	.00038	13.711	-.00018	.00001	8.8610
#2	.40606	.00158	181.98	.01062	.00036	13.720	.00000	-.00174	8.8492

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00044	1.3571	.00045	-.00008	.00035	****	****	.01522
Stddev	.00007	.0002	.00072	.00030	.00026	----	----	.00019
%RSD	14.883	.01408	161.10	361.76	75.285	----	----	1.2203

#1	.00040	1.3572	-.00006	.00013	.00054	3683.	12120.	.01509
#2	.00049	1.3570	.00096	-.00029	.00016	3684.	12110.	.01536

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3067.7	4632.5	26929.	10116.
Stddev	1.0	.0	27.	4.
%RSD	.03246	.00022	.10004	.03991

#1	3067.0	4632.5	26948.	10113.
#2	3068.4	4632.5	26910.	10119.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0034	.03818	.00663	.0060	.0087	.22358	.16655	-0.0001	100.59
Stddev	.00038	.02160	.00124	.0004	.0034	.00037	.00043	.00007	.03
%RSD	111.84	56.589	18.759	7.235	39.40	.16577	.25562	1279.3	.02528

#1	-.00062	.05345	.00751	.0063	.0111	.22332	.16625	.00004	100.57
#2	-.00007	.02290	.00575	.0057	.0062	.22384	.16686	-.00005	100.61

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	.00201	-0.00034	.00223	.02072	3.2241	3.9935	.01033	37.702
Stddev	.00016	.00012	.00051	.00012	.00214	.0105	.0111	.00045	.058
%RSD	101.42	6.0601	150.86	5.2279	10.336	.32659	.27790	4.3873	.15286

#1	.00027	.00210	.00002	.00231	.01921	3.2315	3.9856	.01065	37.743
#2	.00005	.00192	-.00069	.00215	.02224	3.2166	4.0013	.01001	37.661

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48197	.00936	52.578	.00539	.00077	12.999	.00034	.00046	5.8971
Stddev	.00083	.00020	.029	.00011	.00079	.042	.00026	.00102	.0017
%RSD	.17179	2.1843	.05477	1.9855	103.72	.31981	75.745	220.97	.02811

#1	.48256	.00921	52.558	.00547	.00020	13.028	.00052	.00118	5.8959
#2	.48139	.00950	52.599	.00532	.00133	12.970	.00016	-.00026	5.8982

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0070	.64805	.00101	-0.0078	-0.0014	****	****	.00181
Stddev	.00011	.00225	.00000	.00034	.00043	----	----	.00022
%RSD	15.628	.34757	.01655	44.055	320.88	----	----	12.337

#1	-.00078	.64964	.00101	-.00102	.00017	3803.	12440.	.00165
#2	-.00062	.64645	.00101	-.00054	-.00044	3778.	12310.	.00196

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3272.9	4755.3	28262.	10345.
Stddev	3.5	3.9	60.	24.
%RSD	.10642	.08236	.21205	.23487

#1	3275.4	4758.1	28220.	10362.
#2	3270.4	4752.5	28304.	10328.

Sample Name: 480-28163-F-14-B Acquired: 11/13/2012 21:18:37 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0031	.01434	.01137	.0133	.0114	.09017	.06250	.00005	142.91
Stddev	.00027	.02392	.00148	.0005	.0017	.00033	.00006	.00001	.25
%RSD	87.878	166.81	12.976	3.807	15.29	.36795	.09132	27.992	.17469

#1	-0.0050	.03125	.01033	.0129	.0102	.09040	.06254	.00004	142.73
#2	-0.0012	-.00257	.01242	.0136	.0126	.08994	.06246	.00006	143.09

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.00349	.00009	.00376	.01686	5.1858	6.1328	.04036	59.573
Stddev	.00002	.00014	.00031	.00005	.00125	.0142	.0539	.00021	.123
%RSD	5.0532	4.0045	335.23	1.3395	7.4030	.27423	.87865	.52066	.20652

#1	.00032	.00359	-.00013	.00373	.01774	5.1757	6.1709	.04051	59.660
#2	.00034	.00339	.00031	.00380	.01598	5.1958	6.0947	.04022	59.486

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.36684	.00678	10.344	.01047	.00094	58.719	.00506	.00017	4.1288
Stddev	.00135	.00008	.040	.00020	.00163	.066	.00071	.00257	.0265
%RSD	.36675	1.1571	.38594	1.9458	173.33	.11165	14.082	1515.9	.64078

#1	.36779	.00683	10.372	.01061	-.00021	58.765	.00456	.00199	4.1101
#2	.36589	.00672	10.316	.01032	.00209	58.673	.00556	-.00165	4.1475

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00027	F 13.713	.00010	.00017	.00050	*****	*****	.01382
Stddev	.00068	.096	.00020	.00157	.00025	----	----	.00005
%RSD	249.54	.70343	189.98	931.08	49.685	----	----	.39289

#1	-.00076	13.645	-.00004	.00128	.00032	3703.	12070.	.01378
#2	.00021	13.781	.00025	-.00094	.00068	3701.	12080.	.01385

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit		10.000						
Low Limit		-.00500						

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3235.2	4704.5	27816.	10109.
Stddev	5.1	8.5	94.	5.
%RSD	.15705	.18012	.33692	.04773

#1	3231.6	4698.5	27750.	10105.
#2	3238.7	4710.5	27882.	10112.

Sample Name: 480-28210-N-1-B Acquired: 11/13/2012 21:21:03 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0082	.05807	.00113	.0033	-0.007	.23641	*****	-0.0007	254.97
Stddev	.00127	.03682	.00464	.0010	.0016	.00034	----	.00000	.53
%RSD	154.82	63.397	410.05	31.66	219.9	.14423	----	2.1463	.20685

#1	.00008	.03204	-.00215	.0040	-.0018	.23665	----	-.00007	255.34
#2	-.00172	.08410	.00441	.0025	.0004	.23617	----	-.00007	254.60

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -0.0233	-0.0079	.00496	.00615	1.8192	6.0578	13.470	3.5102	17.757
Stddev	.00005	.00012	.00017	.00020	.0016	.0210	.138	.0184	.005
%RSD	2.0904	14.798	3.4827	3.2366	.08556	.34629	1.0239	.52432	.02713

#1	-.00230	-.00071	.00484	.00601	1.8181	6.0429	13.372	3.4972	17.761
#2	-.00236	-.00088	.00508	.00629	1.8203	6.0726	13.567	3.5232	17.754

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	15.000								
Low Limit	-.00100								

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17503	.00381	1036.8	.00673	.00271	1.9260	.00689	.00008	1.1426
Stddev	.00082	.00003	2.5	.00059	.00243	.0081	.00030	.00288	.0123
%RSD	.46978	.91148	.24016	8.7130	89.834	.42042	4.3293	3712.9	1.0758

#1	.17562	.00383	1035.1	.00714	.00099	1.9317	.00711	-.00196	1.1339
#2	.17445	.00378	1038.6	.00631	.00443	1.9203	.00668	.00211	1.1513

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0022	F 74.143	.00119	-.00199	.00012	*****	*****	.02488
Stddev	.00023	.063	.00013	.00102	.00036	----	----	.00039
%RSD	107.31	.08496	11.259	51.300	292.95	----	----	1.5854

#1	-.00038	74.099	.00129	-.00127	-.00013	3630.	11880.	.02516
#2	-.00005	74.188	.00110	-.00272	.00037	3629.	11880.	.02460

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit		10.000						
Low Limit		-.00500						

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2652.8	4261.7	24848.	9929.5
Stddev	4.8	2.7	33.	24.8
%RSD	.17941	.06413	.13339	.24953

#1	2649.4	4263.7	24872.	9912.0
#2	2656.2	4259.8	24825.	9947.0

Sample Name: RB Acquired: 11/13/2012 21:23:39 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0038	.02683	-0.0040	.0024	.0069	-0.0265	.04785	.00002	.11107
Stddev	.00001	.00768	.00117	.0001	.0010	.00024	.00506	.00001	.02476
%RSD	3.3862	28.620	291.88	5.884	14.57	9.1266	10.584	66.534	22.295

#1	-0.0037	.02140	-0.00123	.0025	.0062	-0.0248	.05143	.00001	.09356
#2	-0.0039	.03225	.00043	.0023	.0076	-0.0282	.04427	.00003	.12858

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0011	-0.0012	-0.0011	.00102	.00136	.06841	.01467	.00017	.03407
Stddev	.00007	.00001	.00048	.00032	.00133	.00848	.00159	.00054	.00407
%RSD	62.672	10.619	424.82	31.726	98.221	12.391	10.856	316.26	11.944

#1	-0.0016	-0.0013	-0.00046	.00125	.00230	.06241	.01579	-0.0021	.03694
#2	-0.0006	-0.0011	.00023	.00079	.00041	.07440	.01354	.00055	.03119

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	.00011	.37867	.00019	-0.0008	.00992	.00029	-0.00098	.01550
Stddev	.00003	.00010	.05978	.00028	.00191	.00136	.00020	.00015	.00899
%RSD	9.1111	93.273	15.787	146.99	2324.6	13.739	69.701	15.699	57.996

#1	.00031	.00004	.33640	.00039	-0.0144	.00895	.00044	-0.0109	.00914
#2	.00027	.00019	.42094	-0.0001	.00127	.01088	.00015	-0.00087	.02185

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0045	.02198	-0.0026	-0.0112	.00005	*****	*****	.00004
Stddev	.00015	.00530	.00015	.00089	.00015	----	----	.00028
%RSD	33.313	24.131	57.046	79.246	336.49	----	----	782.82

#1	-0.0035	.01823	-0.00036	-0.0175	-0.0006	3807.	12470.	-0.0016
#2	-0.0056	.02573	-0.00015	-0.0049	.00015	3797.	12370.	.00023

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3614.8	5019.0	29665.	10423.
Stddev	2.5	9.2	142.	18.
%RSD	.06927	.18335	.47995	.17637

#1	3613.1	5012.5	29564.	10436.
#2	3616.6	5025.5	29766.	10410.

Sample Name: RB Acquired: 11/13/2012 21:25:59 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0054	.00749	.00206	.0020	-0.0003	-0.00301	.02459	-0.00007	.08515
Stddev	.00035	.01938	.00065	.0007	.0008	.00006	.00126	.00004	.00513
%RSD	65.241	258.67	31.351	35.11	279.7	2.0121	5.1108	60.183	6.0211

#1	-0.00079	.02119	.00252	.0025	.0003	-0.00296	.02548	-0.00004	.08878
#2	-0.00029	-0.00621	.00160	.0015	-0.0009	-0.00305	.02370	-0.00009	.08153

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00008	-0.00023	-0.00020	.00100	.00182	.08016	.00862	.00018	.02240
Stddev	.00009	.00012	.00000	.00020	.00267	.00639	.00023	.00062	.00044
%RSD	113.83	50.158	1.0015	20.220	146.26	7.9750	2.6327	340.43	1.9499

#1	-0.00002	-0.00015	-0.00020	.00085	-0.00006	.07564	.00878	-0.00025	.02271
#2	-0.00015	-0.00031	-0.00020	.00114	.00371	.08468	.00846	.00062	.02209

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.00004	.23284	.00007	-0.00084	.00886	.00036	.00153	-0.01499
Stddev	.00002	.00016	.01459	.00011	.00246	.00450	.00174	.00200	.00022
%RSD	10.834	415.78	6.2664	169.34	292.89	50.838	480.12	130.96	1.4993

#1	.00016	-0.00007	.24316	.00015	.00090	.00567	.00160	.00011	-0.01483
#2	.00014	.00015	.22252	-0.00001	-0.00258	.01204	-0.00087	.00294	-0.01515

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00024	.01496	-0.00017	-0.0109	.00012	*****	*****	-0.00025
Stddev	.00008	.00102	.00041	.00035	.00017	----	----	.00005
%RSD	33.374	6.8030	247.10	32.346	139.01	----	----	18.647

#1	-0.00029	.01568	.00012	-0.0134	.00024	3752.	12360.	-0.00022
#2	-0.00018	.01424	-0.00045	-0.00084	.00000	3749.	12280.	-0.00029

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3597.7	5006.3	29507.	10343.
Stddev	2.7	.8	113.	48.
%RSD	.07460	.01542	.38404	.46888

#1	3595.8	5005.8	29587.	10377.
#2	3599.6	5006.9	29427.	10309.

Sample Name: RB Acquired: 11/13/2012 21:28:20 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.00574	-0.00119	.0015	.0049	-0.00305	.02524	-0.00005	.10342
Stddev	.00042	.00949	.00191	.0014	.0013	.00010	.00116	.00004	.01645
%RSD	1197.1	165.33	161.12	91.88	25.82	3.2389	4.5768	81.820	15.908

#1	-0.00033	.01245	.00017	.0025	.0040	-0.00312	.02606	-0.00007	.09179
#2	.00026	-0.00097	-0.00254	.0005	.0058	-0.00298	.02442	-0.00002	.11506

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00002	-0.00009	-0.00032	.00079	.00381	.04801	.00929	-0.00107	.02235
Stddev	.00003	.00002	.00051	.00008	.00195	.02745	.00018	.00071	.00356
%RSD	157.61	22.176	157.95	9.5796	51.295	57.178	1.9902	65.769	15.915

#1	.00000	-0.00010	.00004	.00084	.00243	.02860	.00942	-0.00057	.01984
#2	-0.00004	-0.00007	-0.00069	.00074	.00519	.06742	.00916	-0.00157	.02487

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	-0.00001	.24880	-0.00006	.00112	.00576	.00003	.00186	-0.00878
Stddev	.00012	.00011	.04762	.00033	.00025	.00078	.00024	.00060	.01242
%RSD	104.87	926.74	19.142	586.93	22.109	13.614	702.44	32.496	141.54

#1	.00020	.00006	.21512	-0.00029	.00095	.00521	-0.00013	.00228	-0.01756
#2	.00003	-0.00009	.28247	.00017	.00130	.00631	.00020	.00143	.00001

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00054	.01717	.00007	-0.00157	.00013	*****	*****	-0.00069
Stddev	.00020	.00270	.00039	.00000	.00039	----	----	.00064
%RSD	36.345	15.705	566.16	.16970	305.31	----	----	92.646

#1	-0.00068	.01527	.00035	-0.00157	-0.00015	3733.	12210.	-0.00114
#2	-0.00040	.01908	-0.00021	-0.00157	.00041	3743.	12270.	-0.00024

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3588.6	5001.2	29376.	10302.
Stddev	10.2	17.4	41.	29.
%RSD	.28353	.34785	.14105	.28075

#1	3581.4	4988.9	29347.	10281.
#2	3595.8	5013.5	29405.	10322.

Sample Name: 480-28050-D-4-B Acquired: 11/13/2012 21:30:39 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0180	.02788	.00681	.0058	.0012	.17239	.04496	.00000	367.19
Stddev	.00169	.00143	.00385	.0005	.0025	.00369	.00808	.0001	2.54
%RSD	93.874	5.1448	56.552	8.539	211.0	2.1391	17.968	2669.3	.69235

#1	-.00060	.02889	.00954	.0061	-.0006	.17499	.05068	.00004	368.98
#2	-.00299	.02687	.00409	.0054	.0030	.16978	.03925	-.00005	365.39

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00033	.00033	-.00026	.00244	.01860	6.0134	10.709	.14810	F 521.50
Stddev	.00008	.00013	.00038	.00007	.00268	.0027	.073	.00103	4.19
%RSD	25.488	39.866	146.49	2.7376	14.427	.04529	.67817	.69652	.80352

#1	.00039	.00024	.00001	.00249	.02050	6.0153	10.657	.14883	524.46
#2	.00027	.00042	-.00052	.00239	.01670	6.0115	10.760	.14737	518.54

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit									500.00
Low Limit									-.20000

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21061	.00257	191.88	.00157	.00098	916.31	.00150	-.00063	8.9647
Stddev	.00026	.00011	.60	.00045	.00020	17.38	.00125	.00046	.0581
%RSD	.12401	4.3347	.31414	28.990	20.672	1.8967	83.833	73.303	.64842

#1	.21079	.00265	192.30	.00124	.00112	928.60	.00238	-.00030	9.0058
#2	.21042	.00249	191.45	.00189	.00083	904.02	.00061	-.00096	8.9236

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00010	6.1510	.00169	-.00231	.00080	*****	*****	.00162
Stddev	.00078	.0472	.00041	.00088	.00050	----	----	.00053
%RSD	798.24	.76698	24.232	38.159	62.074	----	----	32.795

#1	-.00045	6.1843	.00140	-.00169	.00115	3586.	11740.	.00124
#2	.00065	6.1176	.00197	-.00293	.00045	3614.	11810.	.00199

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2781.1	4281.5	25546.	9844.7
Stddev	51.1	64.5	25.	42.9
%RSD	1.8383	1.5072	.09815	.43537

#1	2745.0	4235.9	25528.	9814.4
#2	2817.3	4327.1	25563.	9875.0

Sample Name: CCV Acquired: 11/13/2012 21:33:26 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49654	24.309	49490	5122	4979	50496	50856	48379	24.390	49831	48106	49515	49086
Stddev	.00074	.192	.00334	.0011	.0010	.00005	.00083	.00403	.255	.00109	.00103	.00103	.00192
%RSD	.14833	.78800	.67482	.2060	.1984	.01030	.16262	.83397	1.0456	.21885	.21457	.20741	.39186

#1	.49601	24.173	.49727	.5114	.4972	.50499	.50797	.48094	24.210	.49908	.48179	.49443	.48950
#2	.49706	24.444	.49254	.5129	.4986	.50492	.50914	.48664	24.571	.49754	.48033	.49588	.49222

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.019	24.897	25.301	49201	23.476	48471	50085	25.165	48783	48659	24.714	52102	50106
Stddev	.210	.197	.144	.00338	.023	.00040	.00018	.283	.00041	.00124	.051	.00034	.00127
%RSD	.87308	.79184	.56820	.68621	.09909	.08347	.03655	1.1250	.08405	.25573	.20709	.06542	.25425

#1	23.871	24.758	25.403	.48963	23.493	.48443	.50098	24.965	.48812	.48571	24.750	.52078	.50016
#2	24.167	25.037	25.200	.49440	23.460	.48500	.50072	25.365	.48754	.48747	24.677	.52126	.50196

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	24.761	49846	51364	49326	48575	48325	z *****	z *****	48152
Stddev	.248	.00088	.00558	.00012	.00178	.00069	-----	-----	.00172
%RSD	.99989	.17729	1.0872	.02486	.36543	.14242	-----	-----	.35810

#1	24.586	.49784	.50969	.49318	.48700	.48374	z 3809.	z 12460.	.48274
#2	24.936	.49909	.51759	.49335	.48449	.48276	z 3774.	z 12340.	.48030

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3369.6	4932.0	28889.	10381.
Stddev	3.7	4.0	29.	105.
%RSD	.10906	.08124	.10049	1.0087

#1	3367.0	4929.2	28868.	10455.
#2	3372.2	4934.9	28909.	10307.

Sample Name: CCB Acquired: 11/13/2012 21:35:38 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.01740	.00002	.0026	.0028	-.00295	F .01266	-.00007	.06061	-.00013	.00008	-.00024
Stddev	.00027	.01389	.00246	.0030	.0036	.00006	.00233	.00002	.00022	.00011	.00017	.00024
%RSD	94.211	79.805	15139.	116.2	130.3	2.1223	18.426	31.132	.36097	86.441	220.09	101.31

#1	.00009	.02722	-.00172	.0005	.0002	-.00290	.01101	-.00008	.06046	-.00021	.00020	-.00041
#2	.00047	.00758	.00175	.0048	.0053	-.00299	.01430	-.00005	.06077	-.00005	-.00004	-.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00200					
Low Limit							-.00200					

Elem	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00130	.00145	.03999	.00868	-.00111	.10235	.00025	.00033	.09851	-.00002	.00065	F .16657
Stddev	.00009	.00031	.01125	.00156	.00124	.01436	.00009	.00006	.00508	.00025	.00059	.00916
%RSD	7.1439	21.359	28.123	17.957	112.52	14.034	35.977	17.866	5.1603	1468.3	91.151	5.5017

#1	.00136	.00167	.03203	.00757	-.00198	.09220	.00032	.00029	.09492	-.00020	.00107	.17305
#2	.00123	.00123	.04794	.00978	-.00023	.11251	.00019	.00037	.10211	.00016	.00023	.16009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.05000
Low Limit												-.05000

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00052	.00018	-.00449	-.00027	F .00527	-.00014	-.00060	.00058	z *****	z *****	.00013
Stddev	.00099	.00198	.00628	.00005	.00025	.00008	.00034	.00026	z *****	z *****	.00015
%RSD	192.00	1115.1	139.86	16.863	4.7864	56.321	57.068	45.335	z *****	z *****	113.56

#1	-.00019	.00158	-.00893	-.00024	.00509	-.00020	-.00036	.00039	z 3752.	z 12280.	.00003
#2	.00122	-.00122	-.00005	-.00030	.00545	-.00009	-.00085	.00076	z 3738.	z 12240.	.00023

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit					.00500						
Low Limit					-.00500						

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3568.5	4963.9	29082.	10317.
Stddev	3.4	5.1	93.	33.
%RSD	.09648	.10234	.32000	.32091

#1	3566.1	4960.3	29148.	10341.
#2	3570.9	4967.5	29016.	10294.

Sample Name: MB 480-90501/1-A Acquired: 11/13/2012 21:37:56 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0035	.00725	.00103	.0006	.0021	-0.00331	F .00806	.00001	.08887
Stddev	.00034	.01131	.00014	.0002	.0002	.00022	.00025	.00010	.00150
%RSD	98.744	156.04	13.519	43.48	9.030	6.6146	3.1516	1088.6	1.6889

#1	-0.00059	.01524	.00112	.0007	.0022	-0.00316	.00824	.00008	.08993
#2	-0.00010	-0.00075	.00093	.0004	.0020	-0.00347	.00788	-0.00006	.08781

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit							.00048		
Low Limit							-.00300		

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00003	.00010	-0.00028	.00106	.00446	.06649	.00606	-0.00102	.06422
Stddev	.00012	.00003	.00014	.00043	.00174	.01465	.00038	.00043	.01009
%RSD	460.34	25.997	48.838	41.138	39.050	22.040	6.2148	42.440	15.719

#1	-0.00011	.00012	-0.00037	.00136	.00323	.07685	.00633	-.00133	.07136
#2	.00006	.00008	-0.00018	.00075	.00569	.05612	.00579	-0.00072	.05708

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	-0.00005	.06038	.00019	.00006	.10513	-0.00096	-0.00065	.00253
Stddev	.00003	.00016	.00134	.00003	.00024	.00998	.00071	.00006	.00579
%RSD	50.714	307.35	2.2152	14.398	378.41	9.4902	73.857	9.6824	228.53

#1	.00009	-0.00016	.06133	.00021	.00023	.09808	-0.00046	-0.00061	.00663
#2	.00004	.00006	.05944	.00017	-0.00011	.11219	-0.00145	-0.00069	-.00156

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00008	F .00572	.00035	-0.00147	-0.00002	F *****	*****	.00034
Stddev	.00006	.00013	.00000	.00035	.00006	----	----	.00054
%RSD	77.081	2.2858	.82298	23.507	363.60	----	----	160.21

#1	-0.00012	.00582	.00035	-0.00172	-0.00006	3819.	12550.	-0.00004
#2	-0.00004	.00563	.00035	-0.00123	.00002	3776.	12370.	.00071

Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		.00220				12.00		
Low Limit		-.00500				8.000		

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3639.5	5049.2	29975.	10437.
Stddev	8.0	7.2	149.	113.
%RSD	.22047	.14180	.49771	1.0789

#1	3633.8	5044.2	29869.	10516.
#2	3645.2	5054.3	30080.	10357.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05027	9.7116	.2017	.2120	.2052	.20154	.20518	.19741	9.8391
Stddev	.00008	.1157	.00045	.0022	.0003	.00076	.00047	.00206	.0520
%RSD	.16348	1.1911	.22675	1.016	.1510	.37932	.23127	1.0426	.52804

#1	.05022	9.6298	.19985	.2136	.2054	.20100	.20552	.19595	9.8024
#2	.05033	9.7934	.20050	.2105	.2050	.20208	.20485	.19886	9.8758

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19893	.19512	.20309	.19693	9.8757	9.8016	9.2888	.19285	9.6163
Stddev	.00006	.00029	.00069	.00011	.0967	.1262	.0419	.00105	.026
%RSD	.03009	.14962	.33876	.05505	.97913	1.2873	.45107	.54521	.02679

#1	.19897	.19533	.20260	.19685	9.8074	9.7124	9.2592	.19211	9.6145
#2	.19889	.19491	.20357	.19701	9.9441	9.8908	9.3184	.19360	9.6181

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19202	.20282	9.9634	.19319	.19277	.09034	.20780	.19884	10.198
Stddev	.00024	.00001	.1107	.00038	.00331	.01908	.00088	.00428	.100
%RSD	.12330	.00280	1.1111	.19501	1.7180	21.119	.42517	2.1545	.98329

#1	.19219	.20282	9.8852	.19346	.19043	.07685	.20843	.19581	10.127
#2	.19185	.20283	10.042	.19293	.19511	.10383	.20718	.20187	10.269

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.19319	.20651	.18976	.18697	.19211	*****	*****	.20612
Stddev	.00154	.00252	.00059	.00014	.00047	----	----	.00128
%RSD	.79670	1.2224	.31330	.07303	.24654	----	----	.61992

#1	.19428	.20472	.18934	.18687	.19245	3816.	12470.	.20702
#2	.19210	.20829	.19018	.18706	.19178	3800.	12440.	.20522

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3502.8	4988.6	29344.	10416.
Stddev	8.2	12.9	18.	35.
%RSD	.23371	.25803	.06117	.33910

#1	3508.6	4997.7	29357.	10441.
#2	3497.0	4979.5	29331.	10391.

Sample Name: 480-28292-A-2-A Acquired: 11/13/2012 21:42:29 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0097	.02029	-0.0075	.0017	.0030	-0.00320	.00778	.00001	.09333
Stddev	.00085	.02142	.00119	.0012	.0020	.00032	.00152	.00000	.00206
%RSD	87.428	105.58	159.30	74.07	68.01	9.8826	19.520	47.072	2.2026

#1	-0.0037	.00514	-0.00159	.0025	.0045	-0.00297	.00886	.00001	.09478
#2	-0.00157	.03544	.00009	.0008	.0016	-0.00342	.00671	.00001	.09188

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0014	-0.0009	-0.0011	.00135	.00298	.06520	.00772	-0.0118	.08066
Stddev	.00007	.00009	.00034	.00007	.00120	.01670	.00112	.00029	.01070
%RSD	48.906	100.33	322.07	5.2225	40.367	25.614	14.472	24.455	13.266

#1	-0.0018	-0.0015	-0.00034	.00140	.00213	.07701	.00851	-0.00098	.08823
#2	-0.00009	-0.00003	.00013	.00130	.00383	.05339	.00693	-0.00139	.07310

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0010	.00033	.04970	-0.0008	.00075	.09263	.00031	.00185	-0.00280
Stddev	.00002	.00016	.00437	.00001	.00044	.01279	.00110	.00027	.02387
%RSD	19.484	48.913	8.7911	15.332	59.049	13.809	353.65	14.467	852.47

#1	-0.0011	.00021	.05279	-0.0009	.00107	.10167	.00109	.00204	.01408
#2	-0.00008	.00044	.04661	-0.0007	.00044	.08358	-0.00047	.00166	-.01968

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0014	.00509	.00029	-0.0063	.00028	*****	*****	-0.0015
Stddev	.00004	.00003	.00034	.00003	.00045	----	----	.00023
%RSD	29.072	.58872	117.92	4.1298	163.26	----	----	154.60

#1	-0.0017	.00507	.00005	-0.0065	.00060	3808.	12430.	.00001
#2	-0.0011	.00511	.00053	-0.0061	-0.0004	3793.	12390.	-0.00031

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3611.1	5022.6	29906.	10426.
Stddev	12.1	14.7	44.	3.
%RSD	.33500	.29241	.14607	.03140

#1	3602.6	5012.2	29937.	10424.
#2	3619.7	5033.0	29875.	10429.

Sample Name: 480-28292-A-7-A Acquired: 11/13/2012 21:44:49 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0071	.47385	.00245	.0038	.0022	.03996	.03309	-0.0004	28.955
Stddev	.00106	.00294	.00054	.0004	.0018	.00140	.00037	.00008	.050
%RSD	148.69	.62011	22.032	10.30	85.57	3.4979	1.1090	192.41	.17359

#1	-.00146	.47593	.00283	.0035	.0009	.04095	.03284	-.00010	28.991
#2	.00004	.47178	.00207	.0040	.0035	.03897	.03335	.00002	28.920

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00014	.00049	.00409	.44519	3.1142	5.0375	.00565	10.770
Stddev	.00015	.00000	.00043	.00086	.00833	.0279	.0058	.00031	.029
%RSD	410.55	.20276	87.663	20.941	1.8711	.89524	.11447	5.4810	.27353

#1	.00015	.00014	.00079	.00469	.43930	3.0945	5.0416	.00587	10.750
#2	-.00007	.00014	.00019	.00348	.45108	3.1339	5.0334	.00543	10.791

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06487	.00179	300.67	.00264	.00228	82.349	-.00128	.00258	4.7848
Stddev	.00035	.00015	1.00	.00030	.00049	.164	.00200	.00281	.0151
%RSD	.54016	8.2198	.33125	11.496	21.407	.19965	156.56	109.02	.31501

#1	.06462	.00169	301.37	.00286	.00262	82.465	-.00270	.00456	4.7955
#2	.06512	.00189	299.96	.00243	.00193	82.233	.00014	.00059	4.7742

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00040	.06109	.01274	-.00266	.00099	*****	*****	.00265
Stddev	.00060	.00034	.00017	.00007	.00017	----	----	.00005
%RSD	151.39	.55517	1.3381	2.4504	17.385	----	----	1.7922

#1	-.00083	.06133	.01262	-.00262	.00112	3706.	12180.	.00262
#2	.00003	.06085	.01286	-.00271	.00087	3697.	12140.	.00269

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3135.3	4728.4	27256.	10231.
Stddev	15.3	20.4	62.	23.
%RSD	.48690	.43060	.22837	.22426

#1	3124.5	4714.0	27300.	10247.
#2	3146.1	4742.8	27212.	10214.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0009	.08081	.00155	.0036	.0008	.00391	.00898	-0.0005	5.9544
Stddev	.00061	.00719	.00202	.0002	.0023	.00001	.00017	.00001	.0071
%RSD	678.03	8.8926	130.15	4.668	275.7	.34016	1.8895	25.465	.11947

#1	-0.0053	.08589	.00298	.0037	.0025	.00392	.00910	-0.0004	5.9494
#2	.00034	.07573	.00012	.0035	-.0008	.00391	.00886	-0.0005	5.9595

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0015	.00002	-0.00030	.00159	.09022	.65532	.69143	.00043	2.2627
Stddev	.00014	.00015	.00031	.00025	.00100	.00341	.00112	.00046	.0091
%RSD	89.695	658.49	105.44	15.866	1.1052	.51969	.16168	106.43	.40306

#1	-0.0025	-0.0009	-0.00052	.00141	.09092	.65772	.69222	.00011	2.2563
#2	-0.0006	.00013	-0.0008	.00177	.08951	.65291	.69064	.00076	2.2692

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01305	.00027	60.936	.00033	.00019	16.124	.00025	.00164	.95540
Stddev	.00020	.00023	.374	.00029	.00201	.059	.00215	.00320	.00493
%RSD	1.5130	88.549	.61326	87.224	1034.1	.36773	872.00	194.33	.51595

#1	.01291	.00010	60.672	.00053	.00162	16.082	-.00128	.00390	.95888
#2	.01319	.00043	61.200	.00013	-.00123	16.166	.00177	-.00062	.95191

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00012	.01369	.00231	.00057	.00018	*****	*****	.00094
Stddev	.00010	.00010	.00017	.00142	.00037	----	----	.00043
%RSD	82.884	.69609	7.1605	248.39	209.67	----	----	45.423

#1	.00020	.01376	.00243	.00158	.00044	3757.	12300.	.00124
#2	.00005	.01363	.00220	-.00043	-.00009	3725.	12270.	.00064

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3457.0	4953.0	28635.	10318.
Stddev	1.5	21.7	23.	2.
%RSD	.04471	.43819	.07925	.02128

#1	3458.1	4968.3	28651.	10319.
#2	3455.9	4937.6	28619.	10316.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05079	10.332	.20901	.2123	.2098	.24976	.22329	.20107	37.768
Stddev	.00026	.047	.00216	.0028	.0021	.00017	.00044	.00074	.200
%RSD	.50213	.45846	1.0332	1.300	.9800	.06725	.19781	.37006	.53022

#1	.05097	10.365	.21054	.2143	.2084	.24988	.22298	.20159	37.909
#2	.05061	10.298	.20749	.2104	.2113	.24965	.22360	.20054	37.626

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20510	.20608	.19936	.20495	10.332	13.121	20.297	.20656	19.728
Stddev	.00045	.00085	.00053	.00019	.016	.064	.105	.00054	.067
%RSD	.21817	.41208	.26672	.09166	.15473	.48918	.51544	.25965	.33792

#1	.20479	.20548	.19973	.20481	10.343	13.166	20.223	.20694	19.681
#2	.20542	.20668	.19898	.20508	10.321	13.075	20.371	.20618	19.775

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25878	.20599	302.30	.20707	.20252	79.451	.21433	.20778	15.341
Stddev	.00073	.00020	.12	.00072	.00092	.086	.00012	.00638	.027
%RSD	.28394	.09566	.04064	.34590	.45210	.10862	.05567	3.0726	.17896

#1	.25826	.20585	302.38	.20656	.20187	79.390	.21441	.20326	15.360
#2	.25930	.20613	302.21	.20758	.20316	79.512	.21424	.21229	15.321

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.20148	.26776	.21000	.18792	.19787	****	****	.21457
Stddev	.00031	.00024	.00058	.00025	.00110	----	----	.00222
%RSD	.15347	.09057	.27637	.13072	.55804	----	----	1.0367

#1	.20126	.26793	.20959	.18774	.19709	3739.	12230.	.21299
#2	.20170	.26759	.21041	.18809	.19865	3753.	12280.	.21614

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3112.4	4757.7	27460.	10281.
Stddev	10.9	9.7	79.	44.
%RSD	.34896	.20467	.28752	.42896

#1	3120.1	4764.6	27516.	10249.
#2	3104.8	4750.8	27404.	10312.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05121	10.278	20491	2108	2056	24528	22296	19719	38.456
Stddev	.00031	.026	.00237	.0031	.0006	.00094	.00053	.00001	.062
%RSD	.60794	.25710	1.1557	1.465	.2720	.38233	.23845	.00706	.16022

#1	.05099	10.259	.20324	.2130	.2052	.24462	.22333	.19718	38.499
#2	.05143	10.296	.20659	.2086	.2060	.24595	.22258	.19720	38.412

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20085	20168	20030	20090	10.093	13.157	20.439	20532	19.959
Stddev	.00082	.00156	.00058	.00062	.026	.012	.166	.00017	.070
%RSD	.41037	.77392	.28845	.30945	.26142	.08857	.81018	.08052	.35025

#1	.20027	.20058	.19989	.20046	10.074	13.165	20.321	.20520	20.009
#2	.20144	.20278	.20070	.20133	10.112	13.149	20.556	.20544	19.910

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25282	20150	311.23	20187	19632	82.140	20804	20375	15.003
Stddev	.00032	.00017	.18	.00137	.00231	.524	.00024	.00243	.025
%RSD	.12838	.08656	.05827	.67856	1.1789	.63750	.11612	1.1942	.16564

#1	.25305	.20138	311.10	.20091	.19468	81.769	.20787	.20548	15.021
#2	.25259	.20163	311.36	.20284	.19796	82.510	.20821	.20203	14.986

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	20125	25983	20100	18646	19388	*****	*****	21110
Stddev	.00043	.00009	.00004	.00279	.00023	----	----	.00050
%RSD	.21461	.03317	.02056	1.4940	.11758	----	----	.23847

#1	.20094	.25977	.20097	.18449	.19372	3752.	12280.	.21146
#2	.20155	.25989	.20103	.18843	.19404	3745.	12260.	.21075

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3100.9	4748.5	27425.	10286.
Stddev	16.8	19.1	15.	21.
%RSD	.54166	.40228	.05324	.20171

#1	3112.7	4762.0	27415.	10300.
#2	3089.0	4735.0	27436.	10271.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05232	10.385	.21023	.2114	.2078	.24655	.23186	.20093	38.687
Stddev	.00001	.002	.00275	.0004	.0002	.00018	.00009	.00057	.205
%RSD	.01389	.01573	1.3089	.1809	.1059	.07291	.03746	.28552	.52990

#1	.05232	10.386	.20829	.2117	.2076	.24668	.23179	.20134	38.832
#2	.05233	10.384	.21218	.2111	.2079	.24642	.23192	.20053	38.542

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20364	.20443	.20341	.20556	10.196	13.310	20.755	.20718	20.318
Stddev	.00003	.00007	.00124	.00109	.062	.049	.072	.00004	.063
%RSD	.01484	.03240	.60852	.53148	.60494	.36481	.34531	.01887	.31010

#1	.20362	.20439	.20253	.20478	10.240	13.345	20.704	.20721	20.274
#2	.20366	.20448	.20428	.20633	10.152	13.276	20.805	.20715	20.363

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25818	.20381	313.12	.20410	.20044	82.481	.21014	.20532	15.138
Stddev	.00127	.00004	.69	.00075	.00195	.011	.00056	.00281	.071
%RSD	.49263	.01788	.21918	.36957	.97319	.01327	.26619	1.3703	.46892

#1	.25728	.20383	313.61	.20464	.20182	82.488	.20975	.20731	15.188
#2	.25908	.20378	312.64	.20357	.19906	82.473	.21054	.20333	15.088

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.20469	.26360	.20349	.18614	.19758	****	****	.21386
Stddev	.00047	.00035	.00284	.00158	.00115	----	----	.00116
%RSD	.22881	.13235	1.3972	.85108	.58196	----	----	.54434

#1	.20502	.26385	.20148	.18726	.19677	3737.	12220.	.21304
#2	.20436	.26336	.20550	.18502	.19840	3751.	12310.	.21469

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3092.2	4737.2	27230.	10299.
Stddev	.4	4.8	65.	70.
%RSD	.01322	.10059	.23699	.68016

#1	3092.5	4740.6	27276.	10249.
#2	3091.9	4733.8	27185.	10348.

Sample Name: MB 480-90152/1-A Acquired: 11/13/2012 21:56:31 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0009	.03431	-0.0008	.0018	.0057	-0.00320	.00184	.00004	.09113
Stddev	.00018	.01079	.00100	.0021	.0028	.00030	.00005	.00003	.00014
%RSD	207.50	31.435	1232.1	117.7	49.39	9.2450	2.4815	69.728	.15729

#1	.00004	.02669	-.00079	.0032	.0077	-.00299	.00187	.00006	.09102
#2	-.00022	.04194	.00063	.0003	.0037	-.00341	.00180	.00002	.09123

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	-0.0004	.00062	.00177	.03701	.08553	.02916	.00016	.03199
Stddev	.0001	.00016	.00034	.00007	.000381	.01237	.00042	.00088	.00652
%RSD	1384.0	448.29	55.450	3.7978	10.292	14.465	1.4344	563.81	20.379

#1	.00003	-.00015	.00086	.00182	.03432	.09427	.02946	-.00047	.02738
#2	-.00004	.00008	.00037	.00172	.03971	.07678	.02887	.00078	.03659

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00049	.00100	.20520	.00020	.00075	.13184	.00266	-.00151	.22373
Stddev	.00008	.00005	.00769	.00023	.00094	.00258	.00004	.00137	.00089
%RSD	16.998	4.7095	3.7490	115.04	125.95	1.9586	1.3365	91.050	.39823

#1	.00055	.00103	.21064	.00037	.00008	.13001	.00268	-.00248	.22310
#2	.00043	.00097	.19976	.00004	.00142	.13367	.00263	-.00054	.22436

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	F .03430	.00116	-.00010	-.00242	.00024	F *****	*****	.00274
Stddev	.00022	.00003	.00016	.00051	.00050	----	----	.00029
%RSD	.63237	2.8950	158.16	21.096	210.11	----	----	10.573

#1	.03445	.00118	.00001	-.00279	-.00012	3692.	12150.	.00253
#2	.03414	.00113	-.00022	-.00206	.00059	3672.	12060.	.00294

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.01000					12.00		
Low Limit	-.01000					8.000		

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3522.6	4875.7	29008.	10163.
Stddev	8.0	10.8	7.	64.
%RSD	.22753	.22143	.02496	.62815

#1	3517.0	4868.1	29013.	10208.
#2	3528.3	4883.4	29003.	10118.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.37688	61.973	1.4929	1.540	1.507	.81375	1.8100	.96116	58.715
Stddev	.00005	.441	.0046	.001	.002	.00101	.0056	.00258	.070
%RSD	.01227	.71132	.31172	.0540	.1357	.12404	.30800	.26803	.11888

#1	.37691	62.284	1.4896	1.540	1.508	.81304	1.8140	.96298	58.765
#2	.37684	61.661	1.4962	1.541	1.506	.81446	1.8061	.95933	58.666

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}	670.784 {50}	279.079 {121}
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.94435	1.1968	1.0313	1.0638	89.396	24.916	24.379	.06429	21.065
Stddev	.00219	.0034	.0003	.0005	.040	.081	.045	.00005	.089
%RSD	.23212	.28146	.03337	.04582	.04505	.32510	.18273	.07432	.42171

#1	.94280	1.1944	1.0311	1.0634	89.367	24.973	24.410	.06425	21.002
#2	.94590	1.1992	1.0316	1.0641	89.424	24.859	24.347	.06432	21.128

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.8124	.60394	3.0839	.64683	.69689	2.2217	.85614	1.1617	20.892
Stddev	.0061	.00054	.0100	.00267	.00207	.0009	.00323	.0065	.031
%RSD	.21574	.08969	.32336	.41211	.29682	.03993	.37701	.55835	.14977

#1	2.8081	.60356	3.0910	.64494	.69543	2.2211	.85385	1.1571	20.914
#2	2.8167	.60433	3.0769	.64871	.69836	2.2224	.85842	1.1662	20.870

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	1.2279	1.1757	2.3981	1.8993	.72451	****	****	2.3483
Stddev	.0065	.0046	.0005	.0047	.00018	----	----	.0041
%RSD	.52925	.39575	.01956	.24728	.02477	----	----	.17342

#1	1.2233	1.1789	2.3978	1.8960	.72439	3859.	12630.	2.3454
#2	1.2325	1.1724	2.3985	1.9026	.72464	3878.	12710.	2.3512

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3204.9	4953.7	29186.	10640.
Stddev	6.9	8.7	9.	43.
%RSD	.21671	.17564	.03193	.40752

#1	3209.8	4959.8	29179.	10609.
#2	3200.0	4947.5	29192.	10670.

Sample Name: CCV Acquired: 11/13/2012 22:01:03 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50030	24.402	.49435	.5162	.5037	.50227	.50300	.48590	24.607	.50007	.48483	.49936	.49385
Stddev	.00087	.110	.00229	.0009	.0009	.00229	.00231	.00028	.013	.00164	.00283	.00362	.00366
%RSD	.17317	.45236	.46249	.1760	.1752	.45682	.46019	.05814	.05317	.32814	.58438	.72423	.74078

#1	.49969	24.324	.49273	.5155	.5044	.50065	.50137	.48570	24.598	.49891	.48283	.50192	.49126
#2	.50091	24.480	.49596	.5168	.5031	.50389	.50464	.48610	24.617	.50123	.48684	.49681	.49644

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.191	24.988	25.340	.49325	23.808	.49096	.50205	25.202	.49202	.48876	24.607	.51752	.50756
Stddev	.008	.135	.019	.00302	.038	.00044	.00194	.032	.00259	.00537	.149	.00311	.00444
%RSD	.03145	.53956	.07425	.61233	.16109	.08869	.38570	.12603	.52655	1.0980	.60587	.60069	.87523

#1	24.186	24.893	25.353	.49111	23.781	.49065	.50069	25.224	.49019	.48497	24.502	.51532	.50442
#2	24.197	25.084	25.326	.49539	23.835	.49127	.50342	25.179	.49386	.49256	24.713	.51972	.51070

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	24.853	.50197	.50601	.49874	.49352	.48892	z *****	z *****	.49195
Stddev	.011	.00319	.00037	.00137	.00374	.00178	-----	-----	.00072
%RSD	.04337	.63481	.07343	.27499	.75757	.36335	-----	-----	.14663

#1	24.846	.49972	.50575	.49777	.49088	.48766	z 3747.	z 12270.	.49144
#2	24.861	.50422	.50627	.49971	.49616	.49018	z 3745.	z 12290.	.49246

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3369.1	4947.8	28810.	10295.
Stddev	17.1	19.8	21.	.
%RSD	.50706	.39971	.07170	.00034

#1	3381.2	4961.8	28824.	10295.
#2	3357.0	4933.8	28795.	10295.

Sample Name: CCB Acquired: 11/13/2012 22:03:18 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.01561	.00004	.0022	.0008	-.00308	.00102	.00008	.02468	.00001	.00016	-.00010	.00126
Stddev	.00077	.00059	.00275	.0029	.0001	.00017	.00002	.00009	.00079	.00011	.00003	.00008	.00058
%RSD	169850.	3.7689	7534.6	130.8	18.22	5.3671	1.9792	110.28	3.2105	1387.2	19.217	83.010	45.788

#1	.00054	.01520	-.00191	.0002	.0009	-.00320	.00101	.00015	.02524	.00008	.00013	-.00016	.00085
#2	-.00054	.01603	.00198	.0043	.0007	-.00296	.00104	.00002	.02412	-.00007	.00018	-.00004	.00167

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01503	.04273	.00670	-.00069	.01957	.00031	.00072	.08126	.00006	-.00093	.02959	-.00084	.00255
Stddev	.00018	.02451	.00063	.00000	.00096	.00003	.00024	.00005	.00026	.00258	.00230	.00106	.00017
%RSD	1.1940	57.355	9.4153	.60257	4.9198	11.341	33.223	.06724	418.00	276.21	7.7679	126.14	6.4985

#1	.01516	.02540	.00715	-.00069	.01889	.00033	.00055	.08122	.00024	-.00275	.03121	-.00159	.00243
#2	.01490	.06006	.00625	-.00068	.02026	.00028	.00089	.08130	.00012	.00089	.02796	-.00009	.00266

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00217	-.00028	.00078	.00005	.00054	.00042	z *****	z *****	-.00007
Stddev	.00326	.00033	.00001	.00010	.00075	.00015	z *****	z *****	.00069
%RSD	150.43	121.06	1.1043	212.40	140.77	34.940	z *****	z *****	947.15

#1	-.00014	-.00004	.00078	.00012	.00000	.00031	z 3711.	z 12180.	-.00056
#2	.00448	-.00051	.00079	-.00002	.00107	.00052	z 3722.	z 12200.	.00041

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3582.6	4981.5	29186.	10260.
Stddev	5.7	3.8	4.	18.
%RSD	.15939	.07554	.01458	.17693

#1	3578.6	4978.8	29189.	10247.
#2	3586.7	4984.2	29183.	10273.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42791	71.396	1.6569	1.707	1.685	88891	2.0659	1.0672	65.378
Stddev	.00006	.001	.0048	.001	.005	.00231	.0026	.0006	.150
%RSD	.01476	.00100	.29000	.0581	.2791	.25982	.12561	.05680	.22885

#1	.42787	71.396	1.6603	1.708	1.682	.89055	2.0677	1.0677	65.272
#2	.42796	71.397	1.6535	1.706	1.688	.88728	2.0641	1.0668	65.484

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0095	1.3268	1.1192	1.2225	101.22	28.176	27.898	.07330	23.804
Stddev	.0028	.0007	.0042	.0043	.17	.067	.164	.00090	.007
%RSD	.27327	.05559	.37757	.35140	.17229	.23702	.58625	1.2260	.02842

#1	1.0115	1.3263	1.1222	1.2256	101.10	28.223	28.014	.07393	23.809
#2	1.0076	1.3273	1.1162	1.2195	101.34	28.129	27.783	.07266	23.799

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.1629	.63139	3.3808	.70756	.78514	2.4744	.76000	1.2815	21.066
Stddev	.0075	.00174	.0007	.00031	.00256	.0098	.00138	.0018	.053
%RSD	.23716	.27632	.02120	.04330	.32668	.39586	.18191	.14246	.24989

#1	3.1682	.63262	3.3813	.70734	.78696	2.4813	.76097	1.2828	21.104
#2	3.1576	.63016	3.3803	.70777	.78333	2.4675	.75902	1.2802	21.029

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	1.3036	1.2942	2.4832	2.1109	.79545	*****	*****	2.8432
Stddev	.0003	.0018	.0051	.0004	.00279	----	----	.0062
%RSD	.02632	.13873	.20629	.01807	.35127	----	----	.21938

#1	1.3034	1.2954	2.4869	2.1106	.79743	3865.	12740.	2.8388
#2	1.3039	1.2929	2.4796	2.1112	.79348	3852.	12640.	2.8476

Check ?	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3181.9	4957.7	28990.	10647.
Stddev	3.6	17.5	80.	43.
%RSD	.11203	.35303	.27647	.40440

#1	3179.3	4945.3	28934.	10677.
#2	3184.4	4970.0	29047.	10616.

Sample Name: 480-28130-A-1-A Acquired: 11/13/2012 22:07:55 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0046	21.591	.03622	.0563	.0305	.00193	.10273	.00144	7.0980
Stddev	.00025	.029	.00263	.0031	.0045	.00041	.00010	.00004	.0196
%RSD	55.004	.13569	7.2724	5.572	14.79	21.398	.09711	3.0756	.27660

#1	-.00063	21.570	.03436	.0541	.0336	.00222	.10266	.00147	7.0841
#2	-.00028	21.612	.03808	.0585	.0273	.00164	.10280	.00141	7.1119

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00091	.01515	.05476	.04233	70.320	2.3217	2.0788	.03207	6.2734
Stddev	.00006	.00006	.00004	.00031	.308	.0040	.0020	.00027	.0158
%RSD	6.1678	.37827	.08172	.74117	.43866	.17447	.09766	.84786	.25126

#1	.00087	.01519	.05479	.04255	70.102	2.3188	2.0802	.03226	6.2623
#2	.00095	.01511	.05473	.04211	70.539	2.3246	2.0773	.03188	6.2846

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.41758	.00361	.62974	.05504	.14455	3.3358	.00260	.00579	9.2297
Stddev	.00085	.00014	.00299	.00041	.00088	.0155	.00014	.00081	.0583
%RSD	.20465	3.9263	.47515	.74837	.60909	.46343	5.2197	14.078	.63136

#1	.41698	.00351	.62762	.05533	.14517	3.3467	.00250	.00521	9.1885
#2	.41819	.00371	.63185	.05475	.14393	3.3249	.00270	.00636	9.2709

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02380	.04758	1.2344	-.00211	.06805	*****	*****	.16160
Stddev	.00031	.00021	.0041	.00199	.00007	----	----	.00039
%RSD	1.2894	.43461	.33283	94.230	.10606	----	----	.24245

#1	.02359	.04772	1.2315	-.00352	.06799	3805.	12460.	.16187
#2	.02402	.04743	1.2373	-.00071	.06810	3789.	12460.	.16132

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3452.8	4946.7	29228.	10481.
Stddev	1.5	15.5	24.	2.
%RSD	.04281	.31280	.08380	.02217

#1	3451.7	4935.8	29211.	10479.
#2	3453.8	4957.7	29245.	10482.

Sample Name: 480-28130-A-2-A Acquired: 11/13/2012 22:10:08 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0034	37.154	.03470	.0741	.0369	-0.0156	.10314	.00201	3.4346
Stddev	.00028	.140	.00047	.0012	.0023	.00038	.00014	.00000	.0090
%RSD	83.112	.37801	1.3551	1.633	6.191	24.541	.13929	.08971	.26095

#1	-0.0053	37.055	.03503	.0750	.0385	-0.0183	.10304	.00200	3.4283
#2	-0.0014	37.253	.03437	.0733	.0353	-0.0129	.10324	.00201	3.4410

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00052	.01567	.07024	.04962	40.137	3.7154	3.2789	.05625	10.614
Stddev	.00004	.00024	.00054	.00034	.059	.0173	.0148	.00063	.006
%RSD	7.1774	1.5146	.76873	.68414	.14817	.46561	.45218	1.1131	.05744

#1	.00049	.01584	.07062	.04938	40.180	3.7032	3.2684	.05581	10.610
#2	.00054	.01550	.06986	.04986	40.095	3.7277	3.2894	.05669	10.618

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.41049	.00169	.72846	.05977	.11423	1.2262	.00114	.00253	9.3230
Stddev	.00054	.00004	.00633	.00026	.00068	.0061	.00255	.00123	.0262
%RSD	.13180	2.2940	.86957	.44245	.59691	.49472	223.40	48.740	.28079

#1	.41010	.00172	.73294	.05996	.11472	1.2305	.00294	.00340	9.3045
#2	.41087	.00166	.72398	.05959	.11375	1.2219	-.00066	.00166	9.3415

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01911	.01898	2.2153	-.00092	.08319	*****	*****	.10196
Stddev	.00031	.00013	.0010	.00036	.00049	----	----	.00007
%RSD	1.5969	.69696	.04560	39.116	.58823	----	----	.07335

#1	.01889	.01888	2.2160	-.00067	.08284	3803.	12540.	.10201
#2	.01932	.01907	2.2146	-.00118	.08353	3785.	12430.	.10191

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3435.0	5002.2	29357.0	10479.
Stddev	3.6	5.6	3.	43.
%RSD	.10453	.11228	.00945	.41091

#1	3432.5	4998.3	29359.	10510.
#2	3437.6	5006.2	29355.	10449.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0065	23.994	.02504	.0500	.0231	.00015	.09776	.00119	5.2176
Stddev	.00059	.010	.00102	.0022	.0005	.00049	.00007	.00001	.0012
%RSD	91.131	.04039	4.0661	4.495	2.320	318.60	.07232	1.2427	.02246

#1	-.00107	24.001	.02432	.0484	.0227	.00050	.09781	.00118	5.2168
#2	-.00023	23.987	.02576	.0516	.0234	-.00019	.09771	.00120	5.2185

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00081	.01046	.04547	.06192	29.800	2.4832	2.1111	.03633	5.7328
Stddev	.00003	.00012	.00049	.00002	.027	.0445	.0085	.00044	.0026
%RSD	3.2513	1.1543	1.0776	.03702	.09050	1.7914	.40285	1.2240	.04445

#1	.00083	.01038	.04512	.06194	29.781	2.4517	2.1051	.03665	5.7310
#2	.00079	.01055	.04581	.06191	29.819	2.5146	2.1171	.03602	5.7346

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.39298	.00195	.64453	.03361	.28029	2.6342	.00068	.00321	10.327
Stddev	.00037	.00009	.00068	.00068	.00051	.0145	.00172	.00640	.009
%RSD	.09292	4.8625	.10558	2.0147	.18308	.55138	252.97	199.09	.09180

#1	.39324	.00188	.64501	.03409	.27993	2.6239	-.00054	.00774	10.333
#2	.39273	.00202	.64405	.03313	.28065	2.6445	.00190	-.00131	10.320

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02227	.03634	1.4124	-.00134	.07363	*****	*****	.09631
Stddev	.00041	.00003	.0008	.00150	.00047	----	----	.00017
%RSD	1.8331	.07999	.05998	111.61	.64481	----	----	.17929

#1	.02198	.03632	1.4118	-.00028	.07397	3812.	12510.	.09643
#2	.02255	.03636	1.4130	-.00240	.07329	3833.	12560.	.09619

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3489.5	4965.8	29631.	10521.
Stddev	1.8	.3	23.	47.
%RSD	.05300	.00529	.07673	.45050

#1	3490.8	4966.0	29615.	10487.
#2	3488.2	4965.6	29647.	10554.

Sample Name: 480-28130-A-4-A Acquired: 11/13/2012 22:14:34 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0102	37.754	.04447	.0754	.0406	-.00343	.10879	.00165	3.3839
Stddev	.00013	.289	.00008	.0009	.0036	.00040	.00008	.00002	.0219
%RSD	12.761	.76433	.17553	1.196	8.863	11.662	.07673	1.4002	.64557

#1	-.00093	37.550	.04452	.0760	.0381	-.00371	.10885	.00167	3.3685
#2	-.00111	37.958	.04441	.0747	.0432	-.00314	.10873	.00164	3.3994

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00039	.01894	.07047	.03905	43.918	5.1466	4.4983	.06704	11.990
Stddev	.00010	.00031	.00062	.00002	.241	.1024	.0053	.00038	.021
%RSD	26.502	1.6481	.87650	.04572	.54840	1.9890	.11858	.57190	.17613

#1	.00031	.01916	.07003	.03907	43.748	5.0742	4.5020	.06677	11.975
#2	.00046	.01872	.07090	.03904	44.088	5.2189	4.4945	.06731	12.005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.65275	.00111	.29779	.06367	.06018	.25404	.00031	.00204	10.351
Stddev	.00039	.00013	.00484	.00066	.00049	.00035	.00037	.00153	.119
%RSD	.06033	11.245	1.6239	1.0366	.82132	.13777	120.19	74.984	1.1514

#1	.65303	.00120	.29437	.06320	.05983	.25429	.00005	.00313	10.266
#2	.65247	.00102	.30121	.06413	.06053	.25380	.00057	.00096	10.435

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02845	.01447	2.0198	-.00203	.07141	*****	*****	.09095
Stddev	.00087	.00027	.0022	.00029	.00125	----	----	.00077
%RSD	3.0656	1.8585	.10622	14.085	1.7570	----	----	.84168

#1	.02907	.01428	2.0183	-.00183	.07052	3834.	12600.	.09149
#2	.02784	.01466	2.0213	-.00224	.07230	3805.	12540.	.09041

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3428.3	4995.6	29288.	10543.
Stddev	3.1	2.1	21.	23.
%RSD	.09042	.04115	.07340	.21445

#1	3426.2	4997.1	29272.	10559.
#2	3430.5	4994.2	29303.	10527.

Sample Name: 480-28130-A-5-A Acquired: 11/13/2012 22:16:47 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0244	63.229	.06084	.1260	.0580	-0.00323	.15625	.00281	4.5130
Stddev	.00001	.813	.00400	.0045	.0003	.00017	.00069	.00006	.0410
%RSD	.30449	1.2857	6.5803	3.567	.4865	5.3032	.44372	2.2568	.90762

#1	-.00243	62.654	.06367	.1292	.0582	-.00335	.15674	.00285	4.4841
#2	-.00245	63.804	.05801	.1229	.0578	-.00310	.15576	.00276	4.5420

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00083	.02727	.11114	.06279	66.686	8.0780	7.5300	.09357	17.972
Stddev	.00022	.00015	.00006	.00047	.784	.0939	.1244	.00056	.017
%RSD	25.972	.54394	.05228	.74335	1.1763	1.1618	1.6518	.60221	.09469

#1	.00068	.02737	.11110	.06312	66.131	8.0116	7.6180	.09317	17.984
#2	.00098	.02717	.11118	.06246	67.241	8.1444	7.4421	.09397	17.960

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.90001	.00177	.40519	.08804	.05771	.42466	-.00248	.00115	12.372
Stddev	.00283	.00044	.00751	.00051	.00123	.00489	.00058	.00303	.121
%RSD	.31458	24.747	1.8543	.57913	2.1246	1.1514	23.414	263.61	.97663

#1	.90202	.00208	.39988	.08840	.05857	.42812	-.00207	.00329	12.286
#2	.89801	.00146	.41050	.08768	.05684	.42121	-.00289	-.00099	12.457

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02752	.01941	3.4910	-.00140	.11887	*****	*****	.15026
Stddev	.00086	.00024	.0089	.00034	.00018	----	----	.00022
%RSD	3.1349	1.2327	.25577	24.597	.15217	----	----	.14423

#1	.02813	.01924	3.4973	-.00164	.11874	3857.	12660.	.15041
#2	.02691	.01958	3.4847	-.00115	.11900	3810.	12560.	.15010

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3354.7	5018.1	29289.	10587.
Stddev	8.4	1.4	83.	75.
%RSD	.25178	.02753	.28321	.70935

#1	3348.7	5017.2	29231.	10640.
#2	3360.6	5019.1	29348.	10534.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0061	13.866	.01351	.0279	.0121	-0.0413	.03484	.00072	1.0115
Stddev	.00010	.155	.00208	.0004	.0004	.00046	.00011	.00003	.0067
%RSD	15.969	1.1168	15.377	1.481	3.184	11.234	.31049	4.3266	.66246

#1	-.00054	13.756	.01497	.0282	.0118	-.00446	.03476	.00075	1.0067
#2	-.00068	13.975	.01204	.0276	.0124	-.00380	.03492	.00070	1.0162

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00573	.02448	.01440	15.041	1.8397	1.5004	.01852	4.0375
Stddev	.00006	.00011	.00033	.00027	.167	.0440	.0035	.00033	.0211
%RSD	127.82	1.9552	1.3376	1.8857	1.1125	2.3887	.23526	1.7820	.52357

#1	.00000	.00581	.02471	.01459	14.923	1.8708	1.4979	.01876	4.0225
#2	.00008	.00565	.02424	.01421	15.159	1.8087	1.5029	.01829	4.0524

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19803	.00025	.08420	.01848	.01202	.09562	.00097	-.00211	3.1235
Stddev	.00009	.00009	.01172	.00028	.00040	.00427	.00029	.00183	.0009
%RSD	.04582	36.615	13.915	1.5392	3.2894	4.4608	30.309	86.349	.02965

#1	.19797	.00032	.09248	.01828	.01230	.09260	.00076	-.00341	3.1228
#2	.19810	.00019	.07591	.01868	.01174	.09864	.00117	-.00082	3.1241

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00602	.00451	.76216	-.00106	.02630	*****	*****	.03305
Stddev	.00022	.00008	.00277	.00121	.00012	----	----	.00002
%RSD	3.6487	1.8407	.36306	113.96	.44961	----	----	.06085

#1	.00587	.00445	.76020	-.00021	.02622	3826.	12520.	.03304
#2	.00618	.00457	.76411	-.00191	.02639	3793.	12440.	.03306

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3592.9	5112.1	30014.	10476.
Stddev	5.2	2.6	1.	81.
%RSD	.14512	.05152	.00271	.77296

#1	3596.6	5113.9	30015.	10534.
#2	3589.2	5110.2	30014.	10419.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09521	83.240	.45587	.5252	.4555	.39692	.55228	.38864	23.252
Stddev	.00059	.538	.00129	.0016	.0006	.00083	.00317	.00242	.160
%RSD	.62353	.64610	.28395	.2970	.1333	.21006	.57316	.62290	.68643

#1	.09563	82.859	.45495	.5263	.4559	.39751	.55004	.38693	23.139
#2	.09479	83.620	.45679	.5241	.4551	.39633	.55452	.39035	23.365

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.39188	.43466	.49684	.46121	84.476	27.649	28.478	.48649	36.880
Stddev	.00021	.00177	.00073	.00330	.714	.042	.104	.00073	.234
%RSD	.05240	.40742	.14719	.71658	.84490	.15186	.36483	.14954	.63315

#1	.39202	.43591	.49633	.45887	83.971	27.619	28.405	.48597	36.715
#2	.39173	.43341	.49736	.46355	84.980	27.678	28.552	.48700	37.045

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2796	.40300	20.070	.49090	.45671	.41689	.40074	.38862	34.188
Stddev	.0050	.00001	.076	.00038	.00151	.00464	.00035	.00388	.270
%RSD	.39504	.00334	.37690	.07705	.32993	1.1125	.08694	.99735	.79056

#1	1.2760	.40301	20.016	.49116	.45778	.42017	.40098	.39136	33.996
#2	1.2832	.40299	20.123	.49063	.45565	.41361	.40049	.38588	34.379

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.41718	.42527	3.8878	.37759	.50523	*****	*****	.54844
Stddev	.00060	.00131	.0121	.00196	.00196	----	----	.00329
%RSD	.14342	.30894	.31228	.52005	.38755	----	----	.60072

#1	.41761	.42434	3.8792	.37898	.50385	3810.	12520.	.54611
#2	.41676	.42620	3.8963	.37620	.50662	3770.	12390.	.55077

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3201.5	4919.1	28505.	10480.
Stddev	10.2	6.4	62.	61.
%RSD	.31793	.12973	.21595	.58355

#1	3194.3	4914.6	28549.	10523.
#2	3208.7	4923.6	28462.	10436.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08950	82.878	4.1867	.4920	.4165	.36712	.51849	.36159	23.935
Stddev	.00057	.607	.00057	.0018	.0003	.00010	.00235	.00220	.184
%RSD	.64211	.73285	.13502	.3701	.0811	.02729	.45405	.60855	.76933

#1	.08909	82.449	.41907	.4907	.4168	.36719	.52015	.36003	23.805
#2	.08990	83.308	.41827	.4933	.4163	.36705	.51682	.36315	24.065

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.36708	.40254	.47434	.41863	81.043	26.142	26.060	.45747	34.335
Stddev	.00086	.00102	.00067	.00221	.759	.228	.028	.00463	.057
%RSD	.23544	.25234	.14138	.52736	.93626	.87366	.10731	1.0131	.16651

#1	.36769	.40326	.47386	.42019	80.507	25.981	26.040	.45419	34.376
#2	.36647	.40182	.47481	.41707	81.580	26.304	26.080	.46075	34.295

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1691	.37277	18.984	.45864	4.1957	.30962	.32350	.36109	25.435
Stddev	.0001	.00242	.148	.00174	.00134	.00445	.00265	.00024	.227
%RSD	.01181	.64890	.77885	.37853	.31979	1.4386	.81993	.06743	.89344

#1	1.1690	.37448	18.880	.45987	.42052	.30647	.32537	.36092	25.274
#2	1.1692	.37106	19.089	.45741	.41863	.31277	.32162	.36126	25.595

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.39990	.39830	4.3800	.35128	.46021	*****	*****	.50651
Stddev	.00321	.00261	.0142	.00078	.00101	----	----	.00059
%RSD	.80258	.65589	.32337	.22242	.21972	----	----	.11668

#1	.40217	.39646	4.3900	.35183	.46093	3828.	12570.	.50610
#2	.39763	.40015	4.3700	.35072	.45950	3807.	12500.	.50693

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3204.0	4916.4	28915.	10486.
Stddev	11.4	21.9	25.	50.
%RSD	.35577	.44518	.08700	.47911

#1	3195.9	4900.9	28933.	10521.
#2	3212.0	4931.8	28897.	10450.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09277	85.580	4.2770	.5090	.4296	.37355	.53312	.36710	24.352
Stddev	.00002	.601	.00404	.0040	.0008	.00102	.00041	.00307	.166
%RSD	.01784	.70208	.94365	.7809	.1931	.27318	.07624	.83667	.68002

#1	.09276	85.155	.43055	.5062	.4291	.37283	.53340	.36493	24.235
#2	.09278	86.005	.42484	.5118	.4302	.37427	.53283	.36928	24.469

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.37118	.40763	.48584	.42756	81.203	26.732	26.640	.46401	34.812
Stddev	.00006	.00156	.00085	.00093	.592	.191	.456	.00403	.037
%RSD	.01724	.38232	.17484	.21839	.72887	.71593	1.7100	.86755	.10504

#1	.37114	.40653	.48644	.42822	80.784	26.597	26.963	.46116	34.838
#2	.37123	.40873	.48523	.42690	81.621	26.867	26.318	.46685	34.786

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2438	.37880	19.439	.46442	.43404	.55243	.32824	.36384	26.634
Stddev	.0013	.00077	.134	.00190	.00037	.00552	.00129	.00256	.195
%RSD	.10405	.20266	.68832	.40930	.08543	.99855	.39406	.70286	.73247

#1	1.2447	.37935	19.344	.46308	.43378	.54853	.32915	.36204	26.496
#2	1.2428	.37826	19.533	.46577	.43430	.55633	.32732	.36565	26.772

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.40347	.41753	4.5692	.35856	.47349	*****	*****	.51905
Stddev	.00013	.00349	.0025	.00018	.00093	----	----	.00167
%RSD	.03118	.83691	.05515	.04979	.19713	----	----	.32124

#1	.40338	.41506	4.5674	.35868	.47283	3859.	12640.	.51787
#2	.40356	.42000	4.5710	.35843	.47415	3843.	12610.	.52022

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3224.2	4948.9	29084.	10547.
Stddev	.5	5.2	41.	38.
%RSD	.01397	.10504	.13985	.35880

#1	3223.9	4945.2	29055.	10574.
#2	3224.5	4952.6	29113.	10521.

Sample Name: CCV Acquired: 11/13/2012 22:28:13 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49971	24.534	48936	5128	5008	49867	49769	48735	24.761	49666	48309	50014	48939
Stddev	.00216	.151	.00053	.0016	.0010	.00029	.00239	.00257	.214	.00046	.00113	.00087	.00330
%RSD	.43236	.61502	.10866	.3138	.1937	.05910	.48093	.52775	.86540	.09273	.23489	.17476	.67354

#1	.49818	24.427	.48899	.5140	.5014	.49846	.49600	.48553	24.609	.49698	.48389	.49952	.48706
#2	.50123	24.640	.48974	.5117	.5001	.49888	.49938	.48917	24.912	.49633	.48229	.50075	.49172

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.358	24.951	25.009	48993	23.793	49162	49816	25.152	48929	48673	24.317	51203	49810
Stddev	.158	.130	.121	.00103	.060	.00001	.00072	.184	.00034	.00166	.043	.00246	.00056
%RSD	.64686	.52098	.48273	.21078	.25147	.00135	.14428	.73293	.06974	.34042	.17840	.48129	.11170

#1	24.247	24.859	25.094	.48920	23.751	.49163	.49867	25.021	.48905	.48791	24.286	.51029	.49849
#2	24.470	25.043	24.924	.49066	23.836	.49162	.49765	25.282	.48953	.48556	24.348	.51378	.49770

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	25.204	50095	50569	49969	48798	48865	z *****	z *****	49614
Stddev	.172	.00060	.00204	.00180	.00210	.00017	-----	-----	.00179
%RSD	.68085	.11965	.40391	.36122	.42971	.03513	-----	-----	.36048

#1	25.083	.50138	.50425	.49841	.48649	.48853	z 3758.	z 12290.	.49740
#2	25.326	.50053	.50714	.50096	.48946	.48878	z 3724.	z 12190.	.49487

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3390.6	4990.1	28894.	10249.
Stddev	2.7	5.8	1.	.97.
%RSD	.07892	.11564	.00445	.94515

#1	3388.7	4994.2	28893.	10318.
#2	3392.5	4986.1	28895.	10181.

Sample Name: CCB Acquired: 11/13/2012 22:30:25 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0082	.05073	.00214	.0031	.0018	-0.00343	.00036	.00016	.01626	.00002	.00042	-0.00002	.00103
Stddev	.00017	.02187	.00121	.0012	.0014	.00008	.00004	.00003	.00181	.00014	.00007	.00024	.00021
%RSD	20.065	43.102	56.500	38.20	76.31	2.4699	11.119	17.565	11.112	562.77	16.691	1554.1	20.218

#1	-0.0071	.03527	.00300	.0023	.0009	-0.00337	.00038	.00014	.01754	.00012	.00047	.00016	.00117
#2	-0.0094	.06619	.00129	.0039	.0028	-0.00349	.00033	.00018	.01498	-0.00007	.00037	-0.00019	.00088

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04169	.05749	.00954	-0.00014	.01599	.00051	.00069	.00246	.00013	.00063	.00758	.00030	.00143
Stddev	.00268	.00345	.00072	.00029	.00494	.00009	.00001	.00239	.00036	.00233	.00394	.00084	.00147
%RSD	6.4252	5.9942	7.5184	205.12	30.894	17.227	1.5569	97.042	268.97	368.64	52.001	280.53	102.53

#1	.03980	.05506	.01004	-0.00035	.01948	.00057	.00068	.00077	.00039	-0.00102	.01036	-0.00029	.00247
#2	.04359	.05993	.00903	.00006	.01249	.00045	.00070	.00415	.00012	.00228	.00479	.00089	.00039

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.03477	-0.00018	.00026	.00132	-0.00058	.00008	z *****	z *****	.00020
Stddev	.02193	.00030	.00004	.00038	.00048	.00004	z *****	z *****	.00041
%RSD	63.081	170.80	15.166	29.138	83.076	45.267	z *****	z *****	205.92

#1	.01926	.00004	.00029	.00104	-0.00092	.00011	z 3645.	z 11950.	.00049
#2	.05027	-0.00039	.00023	.00159	-0.00024	.00005	z 3675.	z 12040.	-0.00009

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3580.3	4991.9	29140.	10087.
Stddev	.3	3.4	13.	49.
%RSD	.00777	.06854	.04486	.48667

#1	3580.1	4989.4	29149.	10052.
#2	3580.5	4994.3	29130.	10121.

Sample Name: 480-28130-A-6-A Acquired: 11/13/2012 22:32:44 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0159	58.170	.06954	.1265	.0638	-.00273	.14597	.00248	4.3297
Stddev	.00006	.372	.00282	.0022	.0024	.00025	.00010	.00013	.0431
%RSD	3.9226	.63994	4.0566	1.737	3.788	9.1251	.06922	5.3577	.99593

#1	-.00155	57.907	.06755	.1250	.0621	-.00256	.14604	.00238	4.2993
#2	-.00164	58.433	.07153	.1281	.0655	-.00291	.14590	.00257	4.3602

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00069	.02417	.09865	.05870	60.380	7.6159	6.9336	.08779	16.422
Stddev	.00004	.00024	.00111	.00021	.949	.0112	.0859	.00091	.015
%RSD	5.4093	1.0001	1.1274	.35064	1.5721	.14749	1.2388	1.0316	.09249

#1	.00067	.02400	.09943	.05885	59.709	7.6079	6.9944	.08715	16.432
#2	.00072	.02434	.09786	.05856	61.051	7.6238	6.8729	.08843	16.411

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.76282	.00140	.31044	.07960	.05261	.34642	-.00222	-.00063	11.069
Stddev	.00034	.00009	.00209	.00028	.00187	.00176	.00046	.00263	.030
%RSD	.04398	6.1090	.67255	.35333	3.5454	.50905	20.893	413.91	.26750

#1	.76306	.00146	.30897	.07980	.05129	.34518	-.00255	.00122	11.048
#2	.76259	.00134	.31192	.07940	.05393	.34767	-.00189	-.00249	11.089

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02865	.01686	3.3652	-.00320	.10723	*****	*****	.14069
Stddev	.00056	.00011	.0050	.00052	.00059	----	----	.00026
%RSD	1.9418	.66471	.14872	16.298	.55435	----	----	.18363

#1	.02905	.01678	3.3687	-.00357	.10681	3772.	12430.	.14088
#2	.02826	.01694	3.3616	-.00283	.10765	3762.	12380.	.14051

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3351.4	5002.5	28952.	10446.
Stddev	3.4	8.8	71.	37.
%RSD	.10046	.17558	.24596	.35374

#1	3349.0	4996.2	28901.	10472.
#2	3353.8	5008.7	29002.	10420.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0018	23.338	.04438	.0688	.0201	.00361	.22364	.00128	6.7796
Stddev	.00037	.130	.00409	.0003	.0035	.00061	.00032	.00007	.0338
%RSD	205.00	.55891	9.2265	.4821	17.21	16.872	.14509	5.4431	.49883

#1	-.00044	23.245	.04148	.0685	.0177	.00404	.22341	.00123	6.7557
#2	.00008	23.430	.04728	.0690	.0226	.00318	.22387	.00133	6.8035

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00411	.01134	.05393	.15971	44.137	1.9358	1.6544	.05821	7.0562
Stddev	.00001	.00013	.00043	.00046	.395	.0035	.0077	.00013	.0113
%RSD	.30001	1.1673	.80614	.28532	.89598	.18282	.46826	.21799	.16046

#1	.00412	.01144	.05363	.16004	43.857	1.9383	1.6489	.05830	7.0482
#2	.00410	.01125	.05424	.15939	44.416	1.9333	1.6598	.05812	7.0642

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.38109	.00131	.50501	.05980	4.6733	1.5536	.01290	.00140	9.6446
Stddev	.00109	.00000	.00578	.00020	.0111	.0114	.00129	.00116	.1109
%RSD	.28577	.13112	1.1438	.34153	.23653	.73127	9.9627	82.517	1.1493

#1	.38032	.00131	.50093	.05994	4.6811	1.5455	.01199	.00222	9.5663
#2	.38186	.00131	.50910	.05966	4.6655	1.5616	.01381	.00058	9.7230

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.05125	.04266	1.3304	-.00109	.07594	*****	*****	.46402
Stddev	.00056	.00031	.0031	.00086	.00015	----	----	.00084
%RSD	1.0876	.71613	.23235	79.439	.20095	----	----	.18209

#1	.05086	.04244	1.3282	-.00048	.07584	3748.	12330.	.46342
#2	.05164	.04288	1.3326	-.00170	.07605	3737.	12280.	.46462

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3458.7	4970.0	29285.7	10318.
Stddev	6.3	3.7	68.	49.
%RSD	.18248	.07445	.23239	.47777

#1	3454.2	4967.3	29333.	10353.
#2	3463.1	4972.6	29237.	10283.

Sample Name: 480-28130-A-8-A Acquired: 11/13/2012 22:37:17 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0122	32.605	.04421	.0794	.0424	-0.00330	.11317	.00176	3.9975
Stddev	.00035	.086	.00017	.0002	.0024	.00028	.00033	.00002	.0299
%RSD	28.693	.26326	.37364	.2518	5.778	8.3727	.29026	.96496	.74894

#1	-0.0147	32.544	.04433	.0795	.0441	-0.00349	.11294	.00175	3.9763
#2	-0.0097	32.666	.04409	.0792	.0406	-0.00310	.11340	.00178	4.0186

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(In2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00050	.01706	.05889	.05784	46.960	5.2947	4.6726	.07073	9.1556
Stddev	.00028	.00010	.00025	.00043	.216	.0420	.0104	.00055	.0254
%RSD	55.394	.57039	.43088	.74667	.45909	.79316	.22177	.77587	.27753

#1	.00070	.01699	.05871	.05815	46.808	5.2650	4.6652	.07034	9.1377
#2	.00031	.01713	.05907	.05754	47.113	5.3244	4.6799	.07112	9.1736

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(In2306)	(In2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.58136	.00208	.24512	.04975	.09990	.44907	-0.0027	-0.0055	8.6394
Stddev	.00131	.00006	.00661	.00036	.00116	.00289	.00007	.00095	.0150
%RSD	.22616	2.9005	2.6953	.71620	1.1610	.64252	27.776	171.11	.17382

#1	.58043	.00212	.24979	.04950	.09908	.44703	-0.0032	-0.0122	8.6288
#2	.58229	.00203	.24044	.05000	.10072	.45111	-0.0021	.00012	8.6501

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(In2306)	(Y_3774)	(Y_3600)	(In2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01996	.01555	1.8941	-0.0213	.06807	*****	*****	.11725
Stddev	.00057	.00009	.0088	.00080	.00001	----	----	.00010
%RSD	2.8500	.57144	.46549	37.375	.01142	----	----	.08940

#1	.02037	.01549	1.8879	-0.0157	.06808	3846.	12570.	.11733
#2	.01956	.01561	1.9004	-0.0269	.06807	3821.	12520.	.11718

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3465.9	5035.5	29690.	10514.
Stddev	.0	.2	57.	59.
%RSD	.00041	.00491	.19138	.56044

#1	3465.9	5035.7	29650.	10555.
#2	3465.9	5035.3	29730.	10472.

Sample Name: 480-28130-A-9-A Acquired: 11/13/2012 22:39:30 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00366	37.721	.03938	.0779	.0320	.02159	.99451	.00177	26.834
Stddev	.00073	.042	.00007	.0000	.0017	.00030	.00083	.00000	.090
%RSD	20.011	.11177	.18640	.0286	5.429	1.3943	.08347	.25214	.33482

#1	.00418	37.691	.03933	.0779	.0307	.02137	.99392	.00178	26.770
#2	.00314	37.750	.03944	.0779	.0332	.02180	.99509	.00177	26.897

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01069	.02431	.14123	.16796	45.222	4.0628	3.8807	.05236	12.151
Stddev	.00004	.00001	.00020	.00035	.221	.0251	.0116	.00057	.019
%RSD	.40078	.02653	.13850	.20607	.48872	.61717	.29948	1.0940	.15837

#1	.01072	.02432	.14137	.16771	45.066	4.0451	3.8725	.05196	12.137
#2	.01066	.02431	.14109	.16820	45.378	4.0805	3.8890	.05277	12.164

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1949	.00616	.55102	.09383	.55342	2.0142	.01096	.00344	10.532
Stddev	.0004	.00012	.00235	.00016	.00118	.0006	.00027	.00141	.035
%RSD	.03592	1.9408	.42717	.16594	.21370	.03011	2.4571	40.855	.33316

#1	1.1952	.00608	.55268	.09372	.55426	2.0138	.01077	.00245	10.556
#2	1.1946	.00625	.54935	.09394	.55258	2.0147	.01115	.00443	10.507

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.05943	.11812	1.8605	-.00217	.13137	****	****	1.2618
Stddev	.00018	.00045	.0015	.00090	.00056	----	----	.0018
%RSD	.30422	.38044	.08192	41.457	.42533	----	----	.14204

#1	.05956	.11780	1.8594	-.00153	.13176	3772.	12400.	1.2631
#2	.05930	.11844	1.8615	-.00280	.13097	3769.	12400.	1.2606

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3407.9	4982.0	29148.	10397.
Stddev	6.8	1.3	70.	3.
%RSD	.19923	.02602	.24157	.02586

#1	3412.7	4983.0	29098.	10395.
#2	3403.1	4981.1	29197.	10399.

Sample Name: 480-28130-B-10-A Acquired: 11/13/2012 22:41:46 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00042	27.724	.03907	.0672	.0345	.00226	.20051	.00119	12.770
Stddev	.00053	.092	.00108	.0014	.0002	.00054	.00013	.00004	.014
%RSD	125.50	.33120	2.7765	2.156	.6882	23.926	.06537	3.6095	.11108
#1	.00005	27.659	.03983	.0683	.0344	.00264	.20042	.00116	12.780
#2	.00080	27.789	.03830	.0662	.0347	.00188	.20060	.00122	12.760

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00342	.00802	.05046	.07562	32.163	.73541	.64914	.02547	2.5759
Stddev	.00002	.00003	.00017	.00054	.049	.00895	.00152	.00043	.0218
%RSD	.55615	.41435	.33029	.71973	.15233	1.2170	.23385	1.6701	.84522
#1	.00341	.00800	.05058	.07523	32.128	.74173	.64807	.02517	2.5913
#2	.00344	.00804	.05034	.07600	32.198	.72908	.65021	.02577	2.5605

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.37916	.00308	.40638	.03083	.42539	3.2319	.00124	.00376	9.7602
Stddev	.00116	.00018	.00085	.00008	.00095	.0178	.00087	.00022	.0038
%RSD	.30581	5.6886	.20917	.27128	.22376	.55171	69.647	5.7655	.03895
#1	.37998	.00295	.40698	.03089	.42606	3.2193	.00063	.00391	9.7575
#2	.37835	.00320	.40578	.03077	.42471	3.2445	.00186	.00360	9.7629

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01521	.07486	.82039	-.00166	.08185	*****	*****	.53418
Stddev	.00005	.00020	.00249	.00179	.00042	----	----	.00203
%RSD	.29769	.26209	.30369	108.04	.51477	----	----	.38074
#1	.01525	.07472	.81863	-.00039	.08155	3758.	12350.	.53562
#2	.01518	.07500	.82215	-.00293	.08215	3785.	12410.	.53274

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3487.4	4991.4	29306.	10412.
Stddev	1.9	3.4	74.	56.
%RSD	.05338	.06870	.25334	.53492
#1	3486.1	4988.9	29253.	10373.
#2	3488.7	4993.8	29358.	10452.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00263	.22017	.03347	.0568	.0298	-.00019	.26734	.00142	5.4255
Stddev	.00052	.200	.00172	.0005	.0001	.00002	.00149	.00001	.0203
%RSD	19.887	.90851	5.1422	.8612	.3335	9.9889	.55644	.68895	.37397
#1	.00300	21.876	.03469	.0565	.0297	-.00020	.26839	.00143	5.4112
#2	.00226	22.158	.03225	.0572	.0299	-.00018	.26629	.00141	5.4398

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00381	.01228	.31853	.17810	25.181	.85469	.74876	.02070	3.9079
Stddev	.00005	.00011	.00037	.00081	.140	.03054	.00365	.00013	.0187
%RSD	1.2290	.92477	.11618	.45751	.55567	3.5731	.48703	.64799	.47979
#1	.00378	.01220	.31880	.17868	25.082	.87629	.75134	.02060	3.9211
#2	.00384	.01236	.31827	.17753	25.280	.83310	.74618	.02079	3.8946

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.47026	.00325	.69528	.03553	.35473	3.8865	-.00190	.00122	7.7144
Stddev	.00246	.00018	.00197	.00044	.00106	.0027	.00113	.00067	.0552
%RSD	.52275	5.5350	.28304	1.2355	.29945	.06888	59.561	55.286	.71549
#1	.47200	.00312	.69668	.03522	.35398	3.8846	-.00110	.00074	7.6754
#2	.46852	.00338	.69389	.03584	.35549	3.8883	-.00270	.00170	7.7534

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.06790	.05465	.83824	-.00287	.05239	****	****	.27407
Stddev	.00007	.00045	.00411	.00117	.00051	----	----	.00240
%RSD	.10080	.82564	.49088	40.933	.96809	----	----	.87695
#1	.06795	.05433	.84115	-.00204	.05275	3827.	12580.	.27577
#2	.06785	.05497	.83533	-.00370	.05203	3781.	12480.	.27237

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3545.0	5096.8	29897.	10511.
Stddev	1.9	2.5	112.	61.
%RSD	.05234	.04845	.37411	.57615
#1	3543.6	5098.6	29818.	10554.
#2	3546.3	5095.1	29976.	10468.

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	38.877	.03399	.0739	.0285	.00152	.19576	.00205	6.3908
Stddev	.00014	.370	.00223	.0024	.0014	.00036	.00060	.00001	.0864
%RSD	36.279	.95205	6.5751	3.183	4.818	23.669	.30447	.69699	1.3522
#1	.00050	38.615	.03241	.0722	.0295	.00127	.19534	.00204	6.3297
#2	.00029	39.138	.03557	.0755	.0275	.00178	.19618	.00206	6.4519

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00370	.01259	.58161	.24058	29.411	1.9090	1.7421	.04351	8.4082
Stddev	.00009	.00012	.00301	.00093	.403	.0190	.0028	.00037	.0138
%RSD	2.3063	.96402	.51837	.38464	1.3707	.99420	.16121	.86055	.16359
#1	.00364	.01251	.57947	.23993	29.126	1.8955	1.7401	.04378	8.3985
#2	.00376	.01268	.58374	.24124	29.696	1.9224	1.7441	.04325	8.4180

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.40902	.00333	1.0166	.04670	.47069	4.6212	-.00613	.00605	12.120
Stddev	.00213	.00005	.0041	.00024	.00018	.0302	.00042	.00306	.150
%RSD	.52125	1.3833	.40629	.51759	.03788	.65347	6.9099	50.668	1.2360
#1	.40751	.00329	1.0137	.04653	.47057	4.6426	-.00643	.00822	12.014
#2	.41052	.00336	1.0195	.04688	.47082	4.5999	-.00583	.00388	12.226

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	1.3919	.05520	1.8061	-.00107	.07735	*****	*****	.26652
Stddev	.0010	.00088	.0073	.00088	.00008	----	----	.00072
%RSD	.07229	1.6030	.40579	82.180	.10522	----	----	.27140
#1	1.3912	.05458	1.8010	-.00169	.07740	3858.	12690.	.26601
#2	1.3926	.05583	1.8113	-.00045	.07729	3814.	12470.	.26703

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3468.1	5029.0	29705.	10558.
Stddev	1.7	18.3	35.	106.
%RSD	.04840	.36426	.11852	1.0057
#1	3466.9	5016.1	29730.	10633.
#2	3469.3	5042.0	29680.	10483.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00202	23.379	.03681	.0606	.0340	.00204	.29041	.00156	8.3028
Stddev	.00065	.233	.00041	.0004	.0020	.00018	.00175	.00005	.0348
%RSD	32.317	.99830	1.1152	.6557	5.843	8.7869	.60302	3.4214	.41941

#1	.00156	23.214	.03710	.0609	.0354	.00191	.29165	.00160	8.2782
#2	.00248	23.544	.03652	.0603	.0326	.00216	.28917	.00152	8.3274

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00399	.02297	.28840	.16936	40.808	1.3051	1.1094	.02686	4.9227
Stddev	.00006	.00006	.00001	.00021	.193	.0024	.0060	.00088	.0281
%RSD	1.3883	.25613	.00492	.12283	.47368	.18656	.53688	3.2798	.57101

#1	.00395	.02302	.28839	.16951	40.671	1.3034	1.1136	.02624	4.9426
#2	.00403	.02293	.28841	.16921	40.945	1.3068	1.1052	.02748	4.9028

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3670	.00269	.81799	.04704	.28872	4.5697	-.00315	.00412	9.3074
Stddev	.0070	.00023	.01069	.00012	.00095	.0032	.00170	.00090	.0375
%RSD	.51359	8.4180	1.3070	.26190	.32845	.07048	53.954	21.914	.40331

#1	1.3720	.00253	.81043	.04695	.28939	4.5720	-.00195	.00476	9.2808
#2	1.3621	.00285	.82555	.04713	.28805	4.5674	-.00435	.00348	9.3339

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.06186	.08014	1.0170	-.00109	.05020	*****	*****	.35779
Stddev	.00010	.00033	.0056	.00110	.00036	----	----	.00073
%RSD	.15374	.41651	.55079	101.00	.72694	----	----	.20323

#1	.06180	.07990	1.0210	-.00187	.04994	3817.	12550.	.35831
#2	.06193	.08037	1.0130	-.00031	.05045	3804.	12510.	.35728

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3481.3	5011.9	29454.	10508.
Stddev	5.9	13.8	83.	14.
%RSD	.16902	.27624	.28339	.13722

#1	3477.2	5002.1	29395.	10518.
#2	3485.5	5021.7	29513.	10497.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00133	18.438	.02464	.0443	.0208	-.00045	.21670	.00121	4.9805
Stddev	.00006	.225	.00048	.0007	.0035	.00022	.00000	.00003	.0606
%RSD	4.7611	1.2214	1.9564	1.674	16.87	49.060	.00021	2.0852	1.2160

#1	.00128	18.279	.02498	.0438	.0183	-.00030	.21669	.00119	4.9376
#2	.00137	18.597	.02430	.0448	.0233	-.00061	.21670	.00123	5.0233

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00313	.01397	.24716	.13739	28.026	.83337	.68595	.02156	3.8255
Stddev	.00017	.00013	.00071	.00042	.201	.00518	.00179	.00055	.0057
%RSD	5.5469	.92042	.28614	.30721	.71645	.62186	.26133	2.5629	.14943

#1	.00326	.01406	.24666	.13709	27.884	.82970	.68721	.02117	3.8214
#2	.00301	.01388	.24766	.13769	28.168	.83703	.68468	.02195	3.8295

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50233	.00187	.64713	.03332	.24769	3.4916	-.00230	.00507	6.6160
Stddev	.00024	.00012	.01149	.00047	.00045	.0062	.00086	.00205	.0858
%RSD	.04772	6.1752	1.7753	1.4069	.18245	.17758	37.363	40.408	1.2970

#1	.50217	.00178	.63901	.03365	.24737	3.4960	-.00291	.00652	6.5553
#2	.50250	.00195	.65525	.03299	.24801	3.4872	-.00169	.00362	6.6766

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.06485	.04947	.85436	-.00017	.04001	*****	*****	.26123
Stddev	.00014	.00051	.00056	.00143	.00041	----	----	.00092
%RSD	.21514	1.0234	.06555	847.15	1.0260	----	----	.35118

#1	.06495	.04911	.85396	-.00118	.03972	3779.	12410.	.26188
#2	.06475	.04983	.85475	.00084	.04030	3736.	12240.	.26058

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3519.8	5068.2	29506.	10322.
Stddev	1.3	3.5	15.	80.
%RSD	.03639	.06990	.05253	.77217

#1	3520.7	5070.7	29517.	10379.
#2	3518.9	5065.7	29495.	10266.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00274	22.492	.03161	.0510	.0220	-.00308	.43911	.00147	2.8254
Stddev	.00017	.335	.00194	.0006	.0019	.00060	.00110	.00003	.0389
%RSD	6.1506	1.4890	6.1355	1.208	8.470	19.352	.25164	2.0593	1.3758
#1	.00262	22.255	.03023	.0514	.0207	-.00266	.43989	.00145	2.7980
#2	.00286	22.729	.03298	.0506	.0234	-.00350	.43833	.00149	2.8529

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00191	.01077	.38561	.23736	32.825	.80369	.67081	.02311	4.2197
Stddev	.00003	.00007	.00240	.00098	.349	.03007	.00459	.00003	.0131
%RSD	1.4586	.67179	.62299	.41398	1.0634	3.7414	.68491	.11729	.30927
#1	.00189	.01072	.38391	.23667	32.578	.78242	.67406	.02309	4.2105
#2	.00193	.01082	.38730	.23806	33.071	.82495	.66756	.02313	4.2289

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20884	.00271	.94927	.03395	.52744	3.8140	-.00361	.00330	7.1413
Stddev	.00067	.00018	.00181	.00046	.00134	.0268	.00061	.00316	.0804
%RSD	.31891	6.7322	.19087	1.3592	.25413	.70342	16.961	95.575	1.1266
#1	.20837	.00284	.95055	.03428	.52839	3.8329	-.00405	.00107	7.0844
#2	.20931	.00258	.94799	.03363	.52649	3.7950	-.00318	.00553	7.1981

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.12554	.03266	.99691	-.00135	.05541	*****	*****	.13026
Stddev	.00075	.00030	.00123	.00057	.00034	----	----	.00065
%RSD	.59729	.92684	.12337	42.142	.60636	----	----	.50067
#1	.12607	.03244	.99604	-.00095	.05518	3793.	12470.	.13072
#2	.12501	.03287	.99778	-.00176	.05565	3774.	12370.	.12980

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3504.4	5076.1	29618.	10486.
Stddev	1.4	7.4	37.	84.
%RSD	.04085	.14603	.12660	.79846
#1	3503.4	5070.9	29645.	10545.
#2	3505.5	5081.4	29592.	10427.

Sample Name: CCV Acquired: 11/13/2012 22:55:07 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49605	24.633	48982	5147	5001	49681	49968	48895	24.848	49635	48299	49898	49181
Stddev	.00097	.116	.00177	.0025	.0004	.00174	.00183	.00102	.026	.00003	.00017	.00006	.00028
%RSD	.19590	.47250	.36238	.4905	.0821	.34924	.36668	.20944	.10605	.00627	.03563	.01176	.05724

#1	.49536	24.715	.48856	.5165	.5004	.49804	.50097	.48822	24.866	.49633	.48287	.49902	.49201
#2	.49674	24.550	.49107	.5129	.4998	.49558	.49838	.48967	24.829	.49637	.48311	.49893	.49161

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.291	25.137	25.149	49334	23.716	49162	49759	25.155	49027	48623	24.366	51002	49861
Stddev	.078	.022	.113	.00003	.108	.00138	.00024	.063	.00095	.00155	.008	.00001	.00345
%RSD	.32113	.08917	.45077	.00592	.45481	.28034	.04835	.25145	.19449	.31852	.03399	.00163	.69110

#1	24.235	25.121	25.069	.49336	23.792	.49259	.49742	25.110	.48959	.48513	24.372	.51003	.50105
#2	24.346	25.153	25.229	.49332	23.640	.49064	.49776	25.200	.49094	.48732	24.360	.51001	.49618

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	25.032	49873	50496	49862	48785	48970	z *****	z *****	49247
Stddev	.039	.00075	.00154	.00028	.00202	.00181	-----	-----	.00217
%RSD	.15408	.15011	.30526	.05636	.41384	.36904	-----	-----	.44038

#1	25.059	.49820	.50387	.49882	.48642	.49098	z 3714.	z 12170.	.49401
#2	25.005	.49926	.50605	.49842	.48928	.48843	z 3700.	z 12140.	.49094

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3382.3	4978.8	28944.	10196.
Stddev	6.0	10.8	47.	4.
%RSD	.17798	.21619	.16084	.03448

#1	3386.6	4986.4	28977.	10193.
#2	3378.1	4971.2	28911.	10198.

Sample Name: CCB Acquired: 11/13/2012 22:57:18 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	.02497	-.00086	.0011	.0043	-.00409	.00021	-.00002	.00723	-.00010	-.00002	-.00015	.00122
Stddev	.00013	.00500	.00087	.0031	.0014	.00003	.00002	.00005	.00238	.00006	.00002	.00008	.00030
%RSD	91.640	20.039	101.06	280.0	33.21	.83982	11.352	281.66	33.006	60.436	83.147	52.036	24.693

#1	.00005	.02143	-.00025	-.0011	.0053	-.00406	.00020	.00002	.00891	-.00005	-.00004	-.00009	.00101
#2	.00023	.02850	-.00148	.0033	.0033	-.00411	.00023	-.00006	.00554	-.00014	-.00001	-.00020	.00144

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02357	.05565	.00392	-.00117	.01037	.00025	.00037	-.01282	-.00002	.00077	.00144	.00135	.00070
Stddev	.00434	.00908	.00003	.00036	.00019	.00011	.00007	.00101	.00032	.00155	.00528	.00028	.00334
%RSD	18.418	16.321	.85590	30.441	1.8533	43.615	19.941	7.8745	1431.5	200.53	366.52	20.765	476.85

#1	.02050	.06207	.00389	-.00092	.01051	.00017	.00032	-.01210	.00021	-.00032	-.00229	.00155	-.00166
#2	.02664	.04923	.00394	-.00142	.01024	.00033	.00043	-.01353	.00025	.00186	.00517	.00115	.00306

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02231	-.00029	.00010	.00061	-.00084	.00014	z *****	z *****	-.00006
Stddev	.01210	.00011	.00004	.00121	.00014	.00035	z *****	z *****	.00025
%RSD	54.207	35.919	39.224	197.15	17.134	253.03	z *****	z *****	424.74

#1	.01376	-.00037	.00013	-.00024	-.00073	.00038	z 3616.	z 11830.	-.00023
#2	.03087	-.00022	.00007	.00146	-.00094	-.00011	z 3647.	z 11910.	.00012

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3582.6	4993.8	29162.	9940.2
Stddev	.6	3.6	14.	53.2
%RSD	.01663	.07175	.04703	.53476

#1	3583.1	4991.2	29153.	9902.7
#2	3582.2	4996.3	29172.	9977.8

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00162	16.908	.02116	.0397	.0184	-.00249	.18511	.00109	3.4627
Stddev	.00036	.145	.00022	.0001	.0008	.00003	.00158	.00003	.0200
%RSD	21.923	.85720	1.0453	.2897	4.417	1.3525	.85437	2.5649	.57695

#1	.00187	16.805	.02100	.0396	.0190	-.00247	.18623	.00107	3.4486
#2	.00137	17.010	.02131	.0398	.0179	-.00252	.18399	.00111	3.4768

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00249	.01117	.24826	.15179	24.153	.74263	.60971	.01728	3.3154
Stddev	.00010	.00004	.00193	.00104	.171	.01535	.00185	.00034	.0343
%RSD	4.0105	.36905	.77874	.68328	.70948	2.0663	.30377	1.9803	1.0344

#1	.00242	.01114	.24963	.15252	24.031	.73178	.61102	.01704	3.3396
#2	.00256	.01120	.24690	.15105	24.274	.75348	.60840	.01753	3.2911

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22697	.00334	.95656	.02892	.30633	4.2663	-.00157	.00427	7.2553
Stddev	.00153	.00009	.00907	.00022	.00138	.0003	.00081	.00279	.0929
%RSD	.67267	2.7645	.94812	.76016	.44931	.00726	51.381	65.351	1.2804

#1	.22805	.00341	.95015	.02877	.30730	4.2665	-.00100	.00230	7.1896
#2	.22589	.00328	.96298	.02908	.30536	4.2661	-.00214	.00625	7.3210

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.05335	.03446	.76258	-.00142	.04365	*****	*****	.16057
Stddev	.00100	.00042	.00534	.00001	.00065	----	----	.00098
%RSD	1.8721	1.2291	.69970	.87443	1.4951	----	----	.61230

#1	.05406	.03416	.76636	-.00141	.04411	3815.	12480.	.16126
#2	.05265	.03476	.75881	-.00143	.04318	3792.	12410.	.15987

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3524.0	5045.9	29534.	10408.
Stddev	5.8	.5	196.	36.
%RSD	.16435	.01031	.66476	.34379

#1	3519.9	5045.5	29395.	10433.
#2	3528.1	5046.2	29673.	10382.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00096	28.333	.03993	.0709	.0345	-.00220	.09150	.00216	2.5681
Stddev	.00027	.428	.00127	.0017	.0016	.00024	.00002	.00013	.0402
%RSD	28.166	1.5088	3.1891	2.431	4.627	10.905	.02148	6.1064	1.5650
#1	.00115	28.031	.04083	.0697	.0334	-.00203	.09152	.00225	2.5397
#2	.00077	28.636	.03903	.0721	.0356	-.00237	.09149	.00206	2.5965

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00237	.01043	.23916	.07340	30.085	.77881	.62625	.02157	3.2569
Stddev	.00004	.00013	.00053	.00023	.246	.02156	.00194	.00044	.0164
%RSD	1.8009	1.2691	.21993	.31203	.81928	2.7678	.30930	2.0244	.50458
#1	.00240	.01052	.23879	.07356	29.911	.76356	.62762	.02127	3.2685
#2	.00234	.01033	.23953	.07324	30.259	.79405	.62488	.02188	3.2453

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20741	.00295	.57477	.03014	.24361	3.9167	-.00143	.00528	7.8132
Stddev	.00032	.00012	.00441	.00011	.00101	.0041	.00225	.00244	.0349
%RSD	.15399	4.1538	.76775	.35611	.41257	.10364	157.40	46.317	.44720
#1	.20719	.00286	.57165	.03006	.24290	3.9196	-.00302	.00355	7.7885
#2	.20764	.00304	.57789	.03022	.24432	3.9139	.00016	.00700	7.8379

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.04080	.02316	1.0036	-.00012	.05967	****	****	.09514
Stddev	.00023	.00028	.0035	.00002	.00014	----	----	.00163
%RSD	.57290	1.2225	.35217	15.410	.23919	----	----	1.7111
#1	.04096	.02296	1.0011	-.00013	.05957	3829.	12560.	.09399
#2	.04063	.02336	1.0061	-.00010	.05978	3793.	12500.	.09629

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3478.2	5020.2	29605.	10481.
Stddev	2.1	5.1	40.	46.
%RSD	.06160	.10202	.13424	.43991
#1	3476.7	5016.6	29577.	10513.
#2	3479.7	5023.8	29633.	10448.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00034	22.038	.03161	.0526	.0277	-.00405	.05232	.00202	1.8590
Stddev	.00019	.181	.00153	.0010	.0025	.00008	.00003	.00002	.0245
%RSD	57.167	.82197	4.8389	1.834	8.878	1.9947	.06414	1.1735	1.3170

#1	.00047	21.910	.03269	.0533	.0295	-.00400	.05234	.00200	1.8417
#2	.00020	22.166	.03052	.0519	.0260	-.00411	.05229	.00203	1.8763

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00107	.00640	.07387	.01905	25.156	.41029	.32084	.01107	1.4841
Stddev	.00015	.00003	.00021	.00028	.156	.00052	.00143	.00055	.0027
%RSD	14.160	.44443	.28506	1.4498	.61846	.12603	.44555	4.9335	.17959

#1	.00118	.00642	.07402	.01924	25.046	.40993	.32185	.01146	1.4822
#2	.00096	.00638	.07372	.01885	25.266	.41066	.31983	.01068	1.4860

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.10536	.00116	.39726	.01671	.09474	2.2296	-.00016	.00495	6.7198
Stddev	.00001	.00014	.00587	.00026	.00091	.0022	.00050	.00352	.0963
%RSD	.01044	12.231	1.4788	1.5600	.96064	.09694	323.06	71.131	1.4337

#1	.10535	.00106	.40141	.01653	.09538	2.2281	-.00051	.00743	6.6517
#2	.10537	.00126	.39310	.01690	.09410	2.2311	.00020	.00246	6.7880

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01894	.01597	.60552	-.00203	.03540	*****	*****	.04853
Stddev	.00005	.00004	.00105	.00216	.00047	----	----	.00017
%RSD	.26482	.26088	.17313	106.42	1.3188	----	----	.35168

#1	.01890	.01600	.60478	-.00050	.03507	3815.	12520.	.04841
#2	.01897	.01594	.60627	-.00355	.03573	3791.	12410.	.04865

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3518.8	5096.8	29849.	10467.
Stddev	2.5	6.2	132.	73.
%RSD	.07210	.12071	.44147	.70032

#1	3517.0	5092.5	29943.	10519.
#2	3520.6	5101.2	29756.	10415.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00184	32.367	.04641	.0811	.0431	.00101	.18244	.00211	4.9930
Stddev	.00069	.216	.00139	.0022	.0006	.00018	.00097	.00007	.0207
%RSD	37.439	.66860	2.9977	2.720	1.447	18.006	.53150	3.1597	.41388

#1	.00233	32.214	.04543	.0795	.0436	.00088	.18312	.00216	4.9783
#2	.00136	32.520	.04740	.0826	.0427	.00114	.18175	.00206	5.0076

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00525	.00992	1.1461	.20644	23.260	1.1933	.99895	.02903	5.1522
Stddev	.00017	.00007	.0030	.00221	.100	.0015	.00611	.00054	.0051
%RSD	3.1784	.75370	.25849	1.0727	.42879	.12673	.61152	1.8759	.09904

#1	.00513	.00997	1.1440	.20801	23.189	1.1922	1.0033	.02865	5.1486
#2	.00537	.00987	1.1482	.20488	23.330	1.1943	.99463	.02942	5.1558

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.33984	.00422	.85982	.03662	.64442	5.9725	-.00783	.00805	8.6463
Stddev	.00097	.00008	.00110	.00018	.00221	.0039	.00089	.00139	.0111
%RSD	.28409	2.0020	.12800	.47831	.34339	.06529	11.364	17.299	.12851

#1	.34052	.00416	.85904	.03674	.64285	5.9698	-.00845	.00903	8.6385
#2	.33916	.00427	.86060	.03649	.64598	5.9753	-.00720	.00706	8.6542

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.32335	.04721	1.2687	-.00121	.06592	*****	*****	.23799
Stddev	.00119	.00028	.0027	.00071	.00043	----	----	.00076
%RSD	.36657	.59500	.21430	58.950	.64807	----	----	.32098

#1	.32251	.04701	1.2707	-.00071	.06623	3776.	12410.	.23745
#2	.32419	.04741	1.2668	-.00172	.06562	3748.	12320.	.23853

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3476.9	5063.7	29431.	10387.
Stddev	2.4	5.1	29.	34.
%RSD	.06947	.10029	.09952	.32496

#1	3478.6	5067.3	29410.	10411.
#2	3475.2	5060.1	29452.	10364.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00065	28.253	.02885	.0617	.0270	.01159	.32044	.00152	17.214
Stddev	.00016	.034	.00234	.0011	.0001	.00021	.00021	.00004	.018
%RSD	25.082	.12119	8.1041	1.858	.3567	1.8298	.06406	2.4243	.10518

#1	.00054	28.277	.03050	.0609	.0269	.01174	.32029	.00149	17.226
#2	.00077	28.229	.02719	.0625	.0271	.01144	.32058	.00155	17.201

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00989	.01696	.12420	.41757	45.889	6.0532	5.3459	.07136	10.698
Stddev	.00007	.00001	.00019	.00027	.105	.0145	.0533	.00008	.009
%RSD	.69594	.06772	.15619	.06365	.22957	.24028	.99743	.11196	.08077

#1	.00994	.01697	.12407	.41775	45.963	6.0429	5.3082	.07131	10.691
#2	.00984	.01695	.12434	.41738	45.814	6.0634	5.3836	.07142	10.704

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.64962	.00516	1.3716	.09223	.31989	4.4949	.00735	.00214	8.0660
Stddev	.00250	.00003	.0029	.00018	.00208	.0150	.00083	.00255	.0494
%RSD	.38495	.51669	.21278	.19964	.65122	.33353	11.356	118.82	.61269

#1	.64785	.00514	1.3736	.09236	.32136	4.5055	.00794	.00034	8.1010
#2	.65139	.00518	1.3695	.09210	.31841	4.4843	.00676	.00395	8.0311

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.03239	.14099	1.7183	-.00203	.10347	*****	*****	1.8821
Stddev	.00005	.00018	.0042	.00100	.00028	----	----	.0066
%RSD	.14562	.12925	.24135	49.195	.26768	----	----	.34799

#1	.03236	.14112	1.7154	-.00133	.10327	3722.	12240.	1.8775
#2	.03242	.14086	1.7213	-.00274	.10366	3725.	12240.	1.8868

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3402.0	4968.6	29187.	10248.
Stddev	1.9	5.8	2.	3.
%RSD	.05604	.11768	.00677	.03268

#1	3403.4	4964.4	29189.	10251.
#2	3400.7	4972.7	29186.	10246.

Sample Name: 480-28137-E-5-A Acquired: 11/13/2012 23:10:52 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0039	.09814	-0.00328	.0043	-0.0008	.38496	.01518	-0.0008	490.73
Stddev	.00011	.03016	.00039	.0009	.0027	.00139	.00006	.00004	1.63
%RSD	27.614	30.736	12.014	22.09	332.5	.36090	.36653	56.410	.33217

#1	-0.0031	.11946	-0.00356	.0049	.0011	.38397	.01514	-0.0005	491.88
#2	-0.0046	.07681	-0.00300	.0036	-0.0027	.38594	.01522	-0.0011	489.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	.00462	.00024	.00277	.42258	14.905	22.337	.10514	244.00
Stddev	.00003	.00000	.00038	.00043	.00056	.012	.178	.00140	.15
%RSD	11.790	.04426	156.51	15.599	.13277	.08046	.79866	1.3333	.05953

#1	.00029	.00462	-0.00003	.00308	.42218	14.896	22.211	.10415	244.10
#2	.00025	.00461	.00051	.00246	.42297	14.913	22.463	.10613	243.90

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7815	.00004	87.274	.01224	-0.00072	635.38	.00061	.00167	6.8426
Stddev	.0012	.00016	.059	.00008	.00012	.28	.00045	.00197	.0232
%RSD	.06868	385.61	.06739	.68643	16.227	.04384	73.450	117.46	.33960

#1	1.7824	-0.0007	87.232	.01219	-0.0064	635.57	.00092	.00306	6.8590
#2	1.7806	.00016	87.315	.01230	-0.0080	635.18	.00029	.00028	6.8261

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0032	5.2294	.00416	-0.0007	.00017	*****	*****	.01862
Stddev	.00051	.0070	.00011	.00064	.00020	----	----	.00025
%RSD	156.80	.13353	2.6565	940.17	122.09	----	----	1.3641

#1	-0.0068	5.2344	.00423	.00039	.00002	3586.	11740.	.01844
#2	.00004	5.2245	.00408	-0.0052	.00031	3575.	11700.	.01880

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2901.9	4410.8	25978.	9767.6
Stddev	.1	3.2	34.	13.5
%RSD	.00470	.07203	.13214	.13804

#1	2901.8	4413.1	25954.	9777.1
#2	2902.0	4408.6	26003.	9758.1

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0054	.07005	.00286	.0018	.0006	.03332	.01178	.00003	103.97
Stddev	.00073	.00146	.00005	.0009	.0017	.00022	.00001	.00002	.49
%RSD	133.72	2.0892	1.6708	49.28	292.2	.65509	.09973	63.781	.47501

#1	-.00106	.07108	.00283	.0011	-.0006	.03347	.01178	.00004	103.62
#2	-.00003	.06901	.00290	.0024	.0017	.03317	.01179	.00002	104.32

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00019	.00009	-.00041	.02338	.17370	2.3020	2.7956	.01478	59.975
Stddev	.00003	.00025	.00039	.00027	.00525	.0365	.0228	.00016	.140
%RSD	17.833	267.45	95.874	1.1553	3.0251	1.5844	.81537	1.1085	.23298

#1	.00022	.00027	-.00013	.02319	.17742	2.2762	2.7795	.01490	60.073
#2	.00017	-.00008	-.00068	.02357	.16999	2.3278	2.8117	.01466	59.876

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.12491	.00061	49.307	.00069	.00099	119.69	.00135	.00139	8.7300
Stddev	.00046	.00003	.123	.00003	.00127	.00	.00176	.00051	.0516
%RSD	.36590	4.8634	.24848	4.7217	128.02	.00225	130.52	36.491	.59136

#1	.12523	.00059	49.220	.00066	.00189	119.69	.00010	.00175	8.6935
#2	.12458	.00063	49.393	.00071	.00009	119.69	.00259	.00103	8.7665

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00072	.65862	.00116	-.00105	.00023	*****	*****	.02475
Stddev	.00041	.00211	.00004	.00070	.00023	----	----	.00010
%RSD	56.622	.32105	3.1684	66.479	98.032	----	----	.40799

#1	-.00043	.65712	.00118	-.00155	.00007	3730.	12200.	.02482
#2	-.00101	.66011	.00113	-.00056	.00039	3691.	12050.	.02468

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3262.6	4761.3	27869.	10169.
Stddev	2.1	2.6	20.	79.
%RSD	.06536	.05378	.07303	.77322

#1	3264.1	4763.1	27854.	10225.
#2	3261.1	4759.5	27883.	10114.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0086	.22461	.00035	.0042	.0015	.10851	.00875	.00000	270.10
Stddev	.00097	.01939	.00305	.0005	.0002	.00000	.00002	.00002	.12
%RSD	112.86	8.6343	866.89	11.27	13.80	.00066	.18854	552.18	.04574

#1	-.00154	.23832	.00251	.0046	.0017	.10851	.00876	.00001	270.18
#2	-.00017	.21090	-.00180	.0039	.0014	.10851	.00874	-.00001	270.01

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.00772	.00021	.00209	1.0965	5.9667	8.2238	.04026	187.22
Stddev	.00000	.00026	.00070	.00034	.0024	.0010	.0645	.00007	.25
%RSD	.61254	3.3815	339.20	16.108	.21541	.01730	.78385	.16621	.13168

#1	.00028	.00790	.00070	.00185	1.0982	5.9674	8.2694	.04031	187.40
#2	.00028	.00753	-.00029	.00233	1.0949	5.9660	8.1783	.04021	187.05

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.4071	-0.0011	49.982	.01334	.00014	416.54	-0.0064	-0.00188	3.7235
Stddev	.0052	.00019	.023	.00013	.00039	.37	.00283	.00290	.0020
%RSD	.21498	174.61	.04601	.99109	275.53	.08927	444.82	154.63	.05419

#1	2.4107	-.00024	49.966	.01344	.00042	416.81	.00137	-.00393	3.7249
#2	2.4034	.00003	49.998	.01325	-.00014	416.28	-.00264	.00018	3.7220

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0041	1.6801	.00469	-0.0002	.00061	*****	*****	.00644
Stddev	.00047	.0028	.00009	.00156	.00042	----	----	.00005
%RSD	114.04	.16602	1.8986	6370.7	69.290	----	----	.72967

#1	-.00008	1.6782	.00462	-.00113	.00031	3584.	11760.	.00641
#2	-.00075	1.6821	.00475	.00108	.00090	3591.	11790.	.00647

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3026.6	4522.1	26378.	9883.9
Stddev	6.7	9.1	63.	9.2
%RSD	.22131	.20114	.23915	.09351

#1	3021.8	4515.6	26333.	9877.3
#2	3031.3	4528.5	26423.	9890.4

Sample Name: 480-28137-E-9-A Acquired: 11/13/2012 23:18:02 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00206	13.814	.00529	.0175	-.0005	.04815	.01215	.00999	138.79
Stddev	.00022	.098	.00104	.0002	.0046	.00017	.00004	.00013	.32
%RSD	10.743	.70606	19.701	1.174	855.1	.34823	.33506	1.2659	.22766

#1	.00191	13.745	.00603	.0174	.0027	.04827	.01212	.00990	139.01
#2	.00222	13.883	.00455	.0177	-.0038	.04803	.01218	.01008	138.57

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00145	.88443	.00296	.00898	11.361	2.8369	3.8347	.14105	106.39
Stddev	.00013	.00164	.00006	.00001	.013	.0144	.0091	.00055	.12
%RSD	8.8896	.18558	2.0256	.15432	.11869	.50885	.23840	.39180	.11174

#1	.00136	.88559	.00292	.00899	11.370	2.8471	3.8283	.14145	106.47
#2	.00154	.88326	.00301	.00897	11.351	2.8267	3.8412	.14066	106.30

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 44.903	-.00275	64.929	.47995	.01925	370.92	-.00346	.01977	42.504
Stddev	.057	.00001	.285	.00003	.00041	.82	.00056	.00168	.120
%RSD	.12751	.22622	.43850	.00559	2.1375	.22240	16.045	8.4832	.28146

#1	44.943	-.00274	64.728	.47997	.01954	370.34	-.00307	.01859	42.589
#2	44.862	-.00275	65.131	.47993	.01896	371.51	-.00386	.02096	42.419

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	15.000								
Low Limit	-.00300								

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00008	.77862	.00048	.02992	.00124	****	****	.63380
Stddev	.00104	.00045	.00047	.00122	.00039	----	----	.00169
%RSD	1355.0	.05743	98.115	4.0688	31.760	----	----	.26651

#1	.00066	.77831	.00081	.02906	.00151	3878.	12730.	.63261
#2	-.00081	.77894	.00015	.03078	.00096	3885.	12760.	.63499

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3127.6	5033.0	29111.	10717.
Stddev	.5	13.1	15.	15.
%RSD	.01460	.26012	.05112	.14150

#1	3127.3	5042.2	29121.	10706.
#2	3128.0	5023.7	29100.	10727.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0038	1.4756	.00052	.0041	.0007	.00075	.00142	.00098	15.306
Stddev	.00026	.0054	.00110	.0043	.0014	.00024	.00004	.00005	.023
%RSD	68.049	.36579	212.09	103.4	206.9	32.422	2.5163	4.8753	.15326
#1	-.00056	1.4718	-.00026	.0011	.0016	.00093	.00145	.00102	15.323
#2	-.00020	1.4794	.00129	.0071	-.0003	.00058	.00140	.00095	15.290

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.08606	-.00008	.00191	1.2453	.31399	.26386	.01336	11.293
Stddev	.00014	.00011	.00054	.00025	.0009	.01178	.00036	.00066	.018
%RSD	94.075	.12960	690.42	13.239	.07228	3.7503	.13512	4.9262	.16043
#1	.00026	.08614	.00030	.00209	1.2447	.30566	.26361	.01289	11.305
#2	.00005	.08598	-.00046	.00173	1.2460	.32231	.26411	.01382	11.280

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.3405	-.00053	6.6929	.04761	.00231	38.969	-.00117	.00405	4.4739
Stddev	.0006	.00011	.0407	.00047	.00041	.010	.00122	.00038	.0271
%RSD	.00932	21.461	.60813	.99575	17.849	.02543	104.42	9.2979	.60491
#1	6.3400	-.00045	6.6641	.04794	.00201	38.962	-.00031	.00431	4.4931
#2	6.3409	-.00060	6.7217	.04727	.00260	38.976	-.00203	.00378	4.4548

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00020	.08387	.00041	.00266	.00053	*****	*****	.06966
Stddev	.00052	.00003	.00036	.00116	.00006	----	----	.00001
%RSD	265.83	.03699	86.410	43.570	10.585	----	----	.01221
#1	.00017	.08385	.00016	.00184	.00049	3705.	12160.	.06966
#2	-.00056	.08389	.00067	.00347	.00057	3715.	12230.	.06965

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3543.2	5059.8	29213.	10244.
Stddev	1.9	5.4	34.	30.
%RSD	.05338	.10737	.11792	.29118
#1	3544.6	5063.7	29237.	10223.
#2	3541.9	5056.0	29188.	10265.

Sample Name: CCV Acquired: 11/13/2012 23:22:56 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49538	24.279	48975	5074	5010	49541	50174	48375	24.689	49503	48277	49711	49143
Stddev	.00054	.284	.00053	.0010	.0064	.00048	.00260	.00202	.178	.00134	.00140	.00121	.00110
%RSD	.10822	1.1714	.10904	.1936	1.283	.09786	.51912	.41832	.72075	.27147	.29039	.24384	.22408

#1	.49575	24.078	.48938	.5067	.4965	.49576	.50358	.48232	24.564	.49598	.48178	.49797	.49221
#2	.49500	24.480	.49013	.5081	.5056	.49507	.49990	.48518	24.815	.49408	.48376	.49625	.49065

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.993	24.941	25.361	48735	23.998	50270	49741	24.814	49001	48765	24.395	51046	49965
Stddev	.120	.156	.038	.00202	.077	.00272	.00024	.120	.00198	.00118	.051	.00146	.00177
%RSD	.50207	.62530	.15165	.41487	.32044	.54121	.04893	.48258	.40348	.24160	.20975	.28582	.35368

#1	23.907	24.831	25.388	.48592	24.052	.50463	.49758	24.730	.48862	.48682	24.431	.51149	.49840
#2	24.078	25.051	25.334	.48878	23.943	.50078	.49723	24.899	.49141	.48848	24.359	.50942	.50090

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	24.750	50157	49932	49909	48753	49104	z *****	z *****	49758
Stddev	.204	.00231	.00241	.00237	.00112	.00065	-----	-----	.00271
%RSD	.82451	.46143	.48228	.47543	.22940	.13287	-----	-----	.54403

#1	24.606	.49993	.49762	.50077	.48832	.49058	z 3695.	z 12150.	.49949
#2	24.895	.50320	.50102	.49741	.48674	.49150	z 3669.	z 12050.	.49566

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3361.7	4953.2	28425.	10114.
Stddev	4.8	6.9	48.	68.
%RSD	.14374	.13996	.16911	.67480

#1	3365.1	4948.3	28391.	10163.
#2	3358.3	4958.1	28459.	10066.

Sample Name: CCB Acquired: 11/13/2012 23:25:12 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.00239	.00163	.0008	.0026	-.00397	.00010	.00006	.06872	-.00013	.00007	.00004
Stddev	.00087	.00529	.00037	.0001	.0024	.00045	.00000	.00011	.00676	.00003	.00015	.00032
%RSD	10379.	221.58	22.335	6.599	94.13	11.431	.24505	187.44	9.8329	22.531	205.23	772.66

#1	.00062	.00613	.00138	.0009	.0043	-.00364	.00010	.00013	.07350	-.00011	-.00003	-.00019
#2	-.00060	-.00135	.00189	.0008	.0009	-.00429	.00010	-.00002	.06394	-.00015	.00018	.00027

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00087	.01238	.06173	.00510	-.00115	.04015	F .00518	.00035	.00358	-.00047	.00168	F .08766
Stddev	.00033	.00537	.01672	.00030	.00013	.00378	.00034	.00005	.00308	.00058	.00041	.00801
%RSD	38.604	43.361	27.085	5.9493	11.118	9.4070	6.5898	13.426	85.989	123.48	24.225	9.1372

#1	.00110	.01618	.07355	.00532	-.00106	.04282	.00543	.00031	.00140	-.00006	.00197	.09332
#2	.00063	.00859	.04991	.00489	-.00124	.03748	.00494	.00038	.00576	-.00088	.00139	.08200

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.00300					.05000
Low Limit							-.00300					-.05000

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00065	-.00360	.01898	-.00034	.00058	.00050	-.00192	.00013	z *****	z *****	.00011
Stddev	.00085	.00521	.02799	.00054	.00015	.00025	.00048	.00055	z	z	.00026
%RSD	130.09	144.74	147.46	158.52	26.258	51.151	25.037	415.16	z	z	230.77

#1	.00125	-.00728	-.00081	.00004	.00069	.00032	-.00226	.00052	z 3634.	z 11920.	.00030
#2	.00005	.00008	.03878	-.00073	.00047	.00068	-.00158	-.00026	z 3646.	z 11970.	-.00007

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit											
Low Limit											

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3568.2	4982.6	29080.	9987.5
Stddev	.3	2.7	1.	17.8
%RSD	.00952	.05519	.00172	.17834

#1	3567.9	4980.7	29080.	9974.9
#2	3568.4	4984.6	29080.	10000.

Sample Name: 480-28137-E-10-A Acquired: 11/13/2012 23:27:36 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0027	.34330	.00078	.0030	.0014	.01571	.02022	.00023	62.201
Stddev	.00022	.00764	.00381	.0005	.0001	.00046	.00002	.00003	.166
%RSD	82.864	2.2252	485.72	15.96	4.764	2.9517	.08515	13.508	.26736
#1	-.00042	.34870	-.00191	.0027	.0014	.01538	.02021	.00026	62.319
#2	-.00011	.33790	.00348	.0034	.0015	.01604	.02023	.00021	62.083

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00038	.00272	.00019	.00313	.30454	1.0419	1.2133	.01195	34.056
Stddev	.00006	.00010	.00021	.00023	.00256	.0288	.0004	.00087	.014
%RSD	15.210	3.7569	113.87	7.2637	.84063	2.7591	.03437	7.2655	.03985
#1	.00034	.00265	.00034	.00297	.30635	1.0622	1.2136	.01257	34.046
#2	.00042	.00280	.00004	.00329	.30273	1.0216	1.2130	.01134	34.065

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.77781	.00014	59.367	.04050	-0.00108	128.80	-0.00075	.00338	14.628
Stddev	.00010	.00002	.274	.00021	.00059	.34	.00018	.00298	.071
%RSD	.01298	17.915	.46078	.52379	54.094	.26203	24.123	87.965	.48325
#1	.77774	.00016	59.560	.04065	-.00067	128.56	-.00088	.00549	14.678
#2	.77788	.00012	59.174	.04035	-.00150	129.04	-.00062	.00128	14.578

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None Chk Pass Chk Pass Chk Pass
 High Limit
 Low Limit

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.00023	.31707	.00572	-0.00001	.00085	*****	*****	.03142
Stddev	.00055	.00075	.00073	.00060	.00037	----	----	.00015
%RSD	244.43	.23636	12.839	7903.9	43.405	----	----	.47729
#1	.00016	.31760	.00623	-.00043	.00112	3714.	12140.	.03132
#2	-.00062	.31654	.00520	.00042	.00059	3716.	12180.	.03153

Check ? Chk Pass Chk Pass Chk Pass Chk Pass Chk Pass None None Chk Pass
 High Limit
 Low Limit

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3335.2	4859.8	28319.	10217.
Stddev	6.2	12.7	8.	16.
%RSD	.18694	.26208	.02649	.15884
#1	3339.6	4868.8	28314.	10206.
#2	3330.8	4850.8	28324.	10229.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	.01934	.00075	.0020	.0026	-.00248	.00013	-.00001	.10736
Stddev	.00014	.01296	.00021	.0026	.0002	.00025	.00002	.00002	.00226
%RSD	282.47	67.025	28.431	131.8	8.479	10.284	17.240	290.23	2.1028

#1	.00015	.01017	.00060	.0039	.0028	-.00230	.00011	.00001	.10576
#2	-.00005	.02851	.00090	.0001	.0025	-.00266	.00014	-.00003	.10896

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00000	.00004	.00018	.00139	.01143	.05606	.00515	-.00050	.04737
Stddev	.0001	.00004	.00027	.00029	.00208	.01289	.00068	.00102	.00487
%RSD	15049.	114.02	151.29	20.723	18.149	22.995	13.245	206.04	10.289

#1	-.00011	.00007	.00037	.00159	.00997	.06518	.00467	.00023	.05082
#2	.00011	.00001	-.00001	.00119	.01290	.04695	.00563	-.00122	.04393

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00639	.00007	-.01562	-.00003	.00097	.12798	-.00013	-.00012	.01708
Stddev	.00017	.00009	.00425	.00021	.00082	.01525	.00081	.00140	.00164
%RSD	2.6684	123.44	27.223	800.01	84.284	11.918	629.31	1182.8	9.6203

#1	.00627	.00013	-.01863	-.00017	.00039	.13877	-.00071	.00087	.01824
#2	.00651	.00001	-.01261	.00012	.00155	.11719	.00045	-.00111	.01592

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	.00035								
Low Limit	-.00300								

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-.00031	.00064	-.00021	.00050	.00011	F *****	*****	.00079
Stddev	.00034	.00000	.00035	.00017	.00020	----	----	.00020
%RSD	108.61	.40618	171.97	34.239	177.96	----	----	25.208

#1	-.00007	.00064	-.00046	.00062	-.00003	3738.	12280.	.00065
#2	-.00055	.00064	.00004	.00038	.00026	3727.	12270.	.00093

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						12.00		
Low Limit						8.000		

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3643.0	5081.3	29748.	10341.
Stddev	5.6	7.6	59.	3.
%RSD	.15465	.14893	.19951	.03207

#1	3646.9	5086.6	29706.	10344.
#2	3639.0	5075.9	29790.	10339.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05048	9.9234	.19946	.2133	.2068	.20010	.20605	.20016	10.027
Stddev	.00038	.0065	.00160	.0024	.0005	.00047	.00028	.00051	.032
%RSD	.75076	.06584	.80013	1.115	.2256	.23549	.13782	.25636	.32110

#1	.05021	9.9188	.20059	.2117	.2071	.19977	.20625	.19979	10.005
#2	.05075	9.9280	.19834	.2150	.2064	.20044	.20585	.20052	10.050

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20037	.19874	.20537	.20261	9.9381	10.008	9.5759	.19809	9.9752
Stddev	.00001	.00024	.00027	.00030	.0228	.012	.0332	.00046	.0231
%RSD	.00502	.12025	.13179	.14733	.22971	.11950	.34647	.23038	.23195

#1	.20038	.19857	.20556	.20240	9.9219	9.9994	9.5525	.19842	9.9589
#2	.20036	.19891	.20518	.20282	9.9542	10.016	9.5994	.19777	9.9916

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20253	.20410	9.9811	.19608	.19529	.07860	.20725	.19468	10.173
Stddev	.00012	.00007	.0025	.00039	.00052	.00651	.00108	.00072	.035
%RSD	.05875	.03512	.02468	.19768	.26386	8.2803	.52039	.37149	.34720

#1	.20261	.20405	9.9828	.19580	.19565	.08320	.20649	.19519	10.148
#2	.20245	.20415	9.9793	.19635	.19492	.07400	.20801	.19417	10.198

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.19651	.20385	.19591	.19251	.19838	*****	*****	.21344
Stddev	.00025	.00014	.00045	.00088	.00152	----	----	.00013
%RSD	.12876	.06922	.23135	.45816	.76733	----	----	.05936

#1	.19669	.20375	.19623	.19189	.19945	3749.	12290.	.21335
#2	.19633	.20395	.19559	.19313	.19730	3739.	12260.	.21353

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3503.7	5019.5	29038.	10317.
Stddev	9.8	1.6	57.	42.
%RSD	.28054	.03198	.19794	.40507

#1	3510.6	5020.6	29079.	10347.
#2	3496.7	5018.4	28997.	10288.

Sample Name: 480-28155-A-4-A Acquired: 11/13/2012 23:34:29 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0087	.13862	.00154	.0030	.0004	.55946	.04297	-0.0005	147.31
Stddev	.00008	.02550	.00196	.0007	.0005	.00108	.00004	.00002	.65
%RSD	8.6133	18.396	127.24	22.51	130.6	.19336	.08642	43.557	.44074

#1	-.00082	.15665	.00293	.0025	.0000	.55870	.04300	-.00003	147.77
#2	-.00092	.12059	.00015	.0034	.0007	.56023	.04295	-.00006	146.86

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00043	-0.0004	.00277	.00585	.30541	1.9294	2.2768	.00968	56.644
Stddev	.00005	.00001	.00017	.00015	.00656	.0036	.0052	.00166	.050
%RSD	12.297	21.817	6.1126	2.5993	2.1477	.18698	.22797	17.119	.08768

#1	.00047	-.00004	.00265	.00574	.31005	1.9319	2.2804	.00851	56.609
#2	.00039	-.00005	.00289	.00596	.30077	1.9268	2.2731	.01086	56.679

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00452	.00215	20.668	.00320	.00048	46.982	.00069	.00265	7.8889
Stddev	.00015	.00019	.071	.00011	.00058	.079	.00107	.00067	.0421
%RSD	3.2696	8.8958	.34562	3.3137	121.07	.16790	155.32	25.216	.53359

#1	.00462	.00201	20.719	.00327	.00007	46.926	.00145	.00218	7.9187
#2	.00441	.00228	20.618	.00312	.00088	47.038	-.00007	.00312	7.8591

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00002	.82956	.00300	.00054	.00077	*****	*****	.01512
Stddev	.00049	.00367	.00012	.00083	.00058	----	----	.00012
%RSD	2797.7	.44193	4.1071	153.45	75.525	----	----	.81956

#1	.00037	.83215	.00292	.00112	.00036	3633.	11910.	.01521
#2	-.00033	.82697	.00309	-.00005	.00118	3650.	12000.	.01504

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3230.0	4735.4	27514.	10049.
Stddev	4.8	2.7	32.	53.
%RSD	.14915	.05757	.11746	.52550

#1	3226.6	4733.5	27537.	10012.
#2	3233.4	4737.4	27492.	10087.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3774)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0089	88.695	.06870	.1647	.0653	.06056	.88178	.00426	169.92
Stddev	.00003	.458	.00278	.0051	.0010	.00016	.00461	.00008	.33
%RSD	3.0840	.51663	4.0462	3.078	1.608	.25953	.52226	1.8981	.19343

#1	-0.0087	88.371	.06674	.1683	.0660	.06045	.87852	.00420	169.69
#2	-0.0090	89.019	.07067	.1612	.0645	.06067	.88503	.00431	170.16

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00075	.08376	.11160	.10909	171.00	17.911	21.439	.20609	68.280
Stddev	.00014	.00015	.00156	.00012	.49	.074	.092	.00133	.181
%RSD	18.376	.17437	1.3981	.11268	.28824	.41502	.42995	.64400	.26469

#1	.00066	.08386	.11271	.10900	170.65	17.859	21.373	.20515	68.153
#2	.00085	.08366	.11050	.10918	171.35	17.964	21.504	.20703	68.408

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.0606	.00158	6.7044	.18002	.06811	23.114	-.00203	.00342	57.413
Stddev	.0093	.00003	.0130	.00007	.00170	.020	.00151	.00115	.109
%RSD	.22983	1.9786	.19367	.04045	2.4899	.08862	74.291	33.759	.18984

#1	4.0540	.00160	6.6952	.17997	.06931	23.100	-.00310	.00260	57.336
#2	4.0672	.00155	6.7136	.18007	.06692	23.129	-.00096	.00424	57.490

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00498	.38787	.66086	-.00153	.12880	*****	*****	.38271
Stddev	.00010	.00107	.01766	.00204	.00090	----	----	.00101
%RSD	1.9872	.27655	2.6725	133.38	.70074	----	----	.26267

#1	.00491	.38711	.64837	-.00297	.12817	3813.	12580.	.38200
#2	.00505	.38863	.67335	-.00009	.12944	3808.	12570.	.38342

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3080.8	4945.1	28640.	10594.
Stddev	8.0	11.8	30.	29.
%RSD	.25974	.23798	.10326	.27820

#1	3086.5	4953.5	28661.	10615.
#2	3075.2	4936.8	28619.	10573.

Sample Name: 480-28156-A-2-A Acquired: 11/13/2012 23:39:14 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0076	34.549	.04056	.0798	.0409	.03483	.51296	.00172	192.72
Stddev	.00030	.034	.00245	.0020	.0003	.00021	.00132	.00007	.43
%RSD	39.456	.09742	6.0355	2.461	.8053	.59229	.25636	4.1927	.22224

#1	-.00097	34.573	.03883	.0784	.0406	.03469	.51203	.00177	193.02
#2	-.00055	34.525	.04229	.0812	.0411	.03498	.51389	.00167	192.42

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00069	.03129	.04140	.06643	67.168	8.8560	10.810	.07397	50.036
Stddev	.00012	.00020	.00011	.00064	.014	.0166	.099	.00054	.057
%RSD	17.828	.63533	.26282	.96988	.02047	.18755	.91337	.72432	.11372

#1	.00060	.03143	.04148	.06597	67.158	8.8678	10.741	.07435	49.996
#2	.00078	.03115	.04132	.06688	67.178	8.8443	10.880	.07359	50.076

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.8878	.00122	6.8264	.06385	.04739	12.341	-.00237	.00058	46.058
Stddev	.0029	.00000	.0036	.00072	.00058	.001	.00096	.00155	.047
%RSD	.10056	.07621	.05224	1.1328	1.2285	.00646	40.619	268.07	.10111

#1	2.8857	.00122	6.8289	.06436	.04781	12.342	-.00169	.00167	46.091
#2	2.8898	.00122	6.8238	.06334	.04698	12.341	-.00305	-.00052	46.025

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00179	.37678	.33215	-.00231	.05352	*****	*****	.20073
Stddev	.00072	.00034	.00428	.00198	.00089	----	----	.00008
%RSD	40.403	.08937	1.2885	85.719	1.6597	----	----	.03765

#1	.00230	.37702	.33518	-.00371	.05289	3821.	12570.	.20068
#2	.00128	.37654	.32913	-.00091	.05415	3838.	12620.	.20079

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3153.7	4906.4	28564.	10557.
Stddev	.4	3.1	59.	53.
%RSD	.01329	.06412	.20701	.50026

#1	3154.0	4904.2	28522.	10520.
#2	3153.4	4908.6	28605.	10595.

Sample Name: 480-28156-A-3-A Acquired: 11/13/2012 23:41:34 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0088	.08588	.00364	.0040	.0068	.00592	.23706	-0.0001	65.409
Stddev	.00015	.00874	.00084	.0007	.0006	.00063	.00276	.00002	.123
%RSD	17.425	10.180	23.170	16.65	9.166	10.579	1.1661	292.87	.18733

#1	-.00077	.09206	.00304	.0045	.0073	.00636	.23902	.00001	65.323
#2	-.00099	.07970	.00423	.0036	.0064	.00547	.23511	-.00002	65.496

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	-0.0003	-0.00073	.00194	.25378	1.0812	1.0424	.00372	15.106
Stddev	.00006	.00010	.00021	.00040	.00279	.0324	.0102	.00015	.250
%RSD	61.694	308.25	28.385	20.603	1.0979	2.9941	.97792	4.0876	1.6555

#1	.00005	.00004	-.00058	.00223	.25575	1.0583	1.0496	.00383	15.283
#2	.00013	-.00011	-.00087	.00166	.25181	1.1041	1.0351	.00361	14.929

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.28143	.00099	4.4713	.00032	.00007	9.2601	.00046	-0.00077	5.5192
Stddev	.00495	.00038	.0222	.00020	.00078	.1985	.00020	.00247	.0156
%RSD	1.7599	37.971	.49580	62.778	1182.6	2.1438	42.339	322.94	.28239

#1	.28494	.00126	4.4870	.00046	-.00048	9.4005	.00060	.00098	5.5082
#2	.27793	.00072	4.4557	.00018	.00061	9.1198	.00032	-.00251	5.5302

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0033	.13036	.00112	-0.0015	.00060	*****	*****	.00343
Stddev	.00013	.00020	.00027	.00097	.00005	----	----	.00037
%RSD	38.845	.15041	23.862	626.16	8.1553	----	----	10.767

#1	-.00042	.13050	.00093	-.00084	.00057	3756.	12240.	.00369
#2	-.00024	.13022	.00131	.00053	.00063	3712.	12160.	.00317

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3361.5	4809.6	28345.	10232.
Stddev	84.1	108.7	500.	61.
%RSD	2.5016	2.2597	1.7646	.59298

#1	3302.1	4732.8	27991.	10274.
#2	3421.0	4886.5	28699.	10189.

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0003	.05079	.00052	.0044	.0052	.00057	.11574	-0.0011	32.712
Stddev	.00104	.05112	.00166	.0009	.0012	.00027	.00006	.00002	.094
%RSD	3227.7	100.66	319.85	20.59	23.19	47.041	.05603	21.136	.28773

#1	-.00077	.08694	.00169	.0037	.0060	.00076	.11570	-.00010	32.646
#2	.00070	.01464	-.00065	.0050	.0043	.00038	.11579	-.00013	32.779

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	-0.0012	-0.0072	.00151	.13422	.57018	.44646	.00060	7.3343
Stddev	.00002	.00006	.00038	.00022	.00428	.00756	.00186	.00058	.0130
%RSD	57.551	48.885	52.375	14.900	3.1877	1.3251	.41686	97.383	.17757

#1	-.00005	-.00016	-.00099	.00166	.13724	.56483	.44778	.00019	7.3251
#2	-.00002	-.00008	-.00045	.00135	.13119	.57552	.44514	.00101	7.3435

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13907	.00040	2.2025	.00007	.00067	4.3879	.00031	.00349	2.7215
Stddev	.00033	.00009	.0054	.00037	.00037	.0047	.00076	.00261	.0164
%RSD	.23861	21.197	.24551	504.88	54.834	.10712	239.84	74.589	.60164

#1	.13883	.00046	2.1987	-.00019	.00041	4.3912	.00085	.00534	2.7099
#2	.13930	.00034	2.2063	.00034	.00094	4.3846	-.00022	.00165	2.7330

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	-0.0067	.06499	.00065	-0.0044	-0.0009	*****	*****	.00182
Stddev	.00038	.00005	.00024	.00050	.00070	----	----	.00035
%RSD	56.458	.07745	36.328	112.34	813.77	----	----	19.102

#1	-.00040	.06503	.00082	-.00079	.00041	3678.	12070.	.00157
#2	-.00094	.06496	.00048	-.00009	-.00058	3677.	12030.	.00207

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3484.0	4937.8	28801.	10089.
Stddev	6.7	10.8	16.	9.
%RSD	.19257	.21841	.05591	.09365

#1	3479.3	4930.2	28789.	10096.
#2	3488.8	4945.4	28812.	10083.

Sample Name: 480-28167-A-2-A Acquired: 11/13/2012 23:46:04 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00029	2.0493	.01013	.0145	.0064	.02797	.30501	.00007	33.770
Stddev	.00026	.0079	.00093	.0009	.0021	.00023	.00065	.00001	.014
%RSD	89.272	.38707	9.1627	6.189	32.47	.82397	.21391	14.261	.04246

#1	.00047	2.0549	.00948	.0139	.0079	.02813	.30547	.00006	33.780
#2	.00011	2.0437	.01079	.0152	.0049	.02781	.30455	.00008	33.760

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	.00145	.00101	.00267	128.90	7.1037	7.1623	-.00024	7.9136
Stddev	.00009	.00008	.00046	.00050	.24	.0175	.0845	.00009	.0046
%RSD	349.39	5.4805	45.251	18.712	.18236	.24628	1.1795	35.683	.05771

#1	-.00004	.00139	.00069	.00232	128.73	7.1161	7.2220	-.00018	7.9169
#2	.00009	.00151	.00133	.00302	129.07	7.0914	7.1025	-.00030	7.9104

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.0317	-.00080	10.400	.00124	.00008	.23126	-.00103	.00278	8.7907
Stddev	.0032	.00009	.040	.00006	.00020	.00292	.00066	.00206	.0203
%RSD	.06453	11.453	.38262	5.0922	250.08	1.2620	63.992	74.061	.23140

#1	5.0294	-.00087	10.428	.00119	.00022	.23333	-.00056	.00132	8.8051
#2	5.0340	-.00074	10.372	.00128	-.00006	.22920	-.00150	.00423	8.7763

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00099	.61126	.03370	-.00020	.00418	*****	*****	.00484
Stddev	.00003	.00267	.00096	.00132	.00035	----	----	.00010
%RSD	3.4128	.43758	2.8628	648.92	8.4453	----	----	2.1102

#1	.00097	.61315	.03301	-.00114	.00443	3709.	12170.	.00491
#2	.00102	.60937	.03438	.00073	.00393	3700.	12150.	.00477

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3388.5	4943.7	28698.5	10242.
Stddev	1.7	3.9	50.	11.
%RSD	.05034	.07876	.17413	.11109

#1	3387.3	4940.9	28733.	10250.
#2	3389.7	4946.4	28663.	10234.

Sample Name: 480-28166-B-1-A Acquired: 11/13/2012 23:48:26 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0058	1.2718	.00553	.0120	.0009	.49425	.38545	.00005	63.969
Stddev	.00005	.0203	.00142	.0016	.0009	.00108	.00051	.00001	.292
%RSD	9.0404	1.5956	25.673	13.20	98.04	.21754	.13356	22.724	.45593

#1	-.00062	1.2574	.00653	.0109	.0015	.49501	.38508	.00004	63.763
#2	-.00055	1.2861	.00452	.0131	.0003	.49349	.38581	.00006	64.175

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2714	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	271.441 {124}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00164	.23412	.02521	.09107	104.17	71.351	85.079	.03531	10.094
Stddev	.00010	.00039	.00010	.00012	.49	.267	.217	.00013	.024
%RSD	6.4070	.16556	.39430	.13549	.46772	.37477	.25515	.37673	.24233

#1	.00171	.23384	.02514	.09116	103.82	71.162	85.232	.03522	10.077
#2	.00156	.23439	.02528	.09099	104.51	71.540	84.925	.03541	10.111

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4740	.00910	258.75	.07062	.01421	23.980	.00245	.00337	7.0654
Stddev	.0025	.00016	1.07	.00040	.00267	.065	.00039	.00190	.0070
%RSD	.17171	1.7819	.41519	.56274	18.817	.27155	16.108	56.365	.09970

#1	1.4758	.00899	257.99	.07034	.01232	24.026	.00272	.00203	7.0704
#2	1.4723	.00922	259.51	.07090	.01610	23.934	.00217	.00472	7.0605

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00841	.25929	.04274	-.00362	.00504	*****	*****	2.0870
Stddev	.00057	.00074	.00034	.00024	.00052	----	----	.0060
%RSD	6.7692	.28486	.78517	6.7279	10.335	----	----	.28837

#1	.00882	.25877	.04250	-.00345	.00541	3722.	12200.	2.0913
#2	.00801	.25981	.04298	-.00379	.00467	3692.	12130.	2.0828

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3088.4	4695.1	26893.	10232.
Stddev	.8	.6	35.	63.
%RSD	.02698	.01324	.12888	.61283

#1	3089.0	4695.6	26869.	10276.
#2	3087.8	4694.7	26918.	10188.

Sample Name: CCV Acquired: 11/13/2012 23:50:52 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49521	24.728	49152	5121	4936	49390	49794	48922	24.924	49454	48328	50133	48749
Stddev	.00026	.027	.00312	.0002	.0031	.00126	.00072	.00036	.004	.00117	.00143	.00127	.00014
%RSD	.05215	.10842	.63451	.0300	.6379	.25537	.14441	.07376	.01438	.23572	.29598	.25395	.02786

#1	.49540	24.709	.48931	.5122	.4913	.49300	.49743	.48947	24.926	.49372	.48227	.50043	.48759
#2	.49503	24.747	.49372	.5120	.4958	.49479	.49845	.48896	24.921	.49537	.48429	.50223	.48740

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.372	25.299	25.010	49567	23.775	49381	49846	25.242	49085	48681	24.186	51189	49319
Stddev	.066	.041	.251	.00085	.086	.00192	.00068	.014	.00006	.00163	.085	.00155	.00171
%RSD	.27072	.16031	1.0054	.17104	.36166	.38789	.13641	.05400	.01184	.33524	.35039	.30320	.34709

#1	24.325	25.328	24.832	.49507	23.714	.49245	.49798	25.251	.49081	.48566	24.126	.51079	.49198
#2	24.419	25.270	25.187	.49627	23.836	.49516	.49894	25.232	.49089	.48797	24.246	.51299	.49440

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	25.103	50101	50698	49863	48792	49023	z *****	z *****	49799
Stddev	.172	.00059	.00068	.00238	.00103	.00274	-----	-----	.00527
%RSD	.68370	.11764	.13377	.47652	.21068	.55853	-----	-----	1.0582

#1	25.225	.50060	.50746	.49695	.48865	.48829	z 3674.	z 12030.	.49426
#2	24.982	.50143	.50650	.50031	.48719	.49216	z 3665.	z 11970.	.50171

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3358.5	4951.4	28487.	10058.
Stddev	6.9	15.0	111.	38.
%RSD	.20660	.30304	.39053	.38072

#1	3363.5	4962.0	28565.	10085.
#2	3353.6	4940.8	28408.	10031.

Sample Name: CCB Acquired: 11/13/2012 23:53:05 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0071	.01603	.00183	.0020	.0012	-0.00367	.00021	.00002	.04765	-0.00021	.00000	.00002	.00088
Stddev	.00010	.00082	.00260	.0004	.0003	.00025	.00001	.00013	.00332	.00001	.00011	.00011	.00007
%RSD	14.412	5.1017	141.80	20.88	24.39	6.7601	5.7771	647.81	6.9616	2.5576	4245.3	545.22	7.7636

#1	-0.0064	.01661	.00000	.0023	.0015	-.00384	.00022	.00012	.04531	-.00022	-.00008	.00010	.00093
#2	-.00079	.01545	.00367	.0017	.0010	-.00349	.00020	-.00007	.05000	-.00021	.00008	-.00006	.00084

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03685	.06078	.00962	-.00178	.02154	.00130	.00058	.02364	.00028	-.00025	.01557	-.00020	-.00068
Stddev	.00177	.02059	.00012	.00071	.00218	.00011	.00014	.00074	.00005	.00185	.00036	.00047	.00115
%RSD	4.8037	33.874	1.2860	39.608	10.098	8.5858	23.995	3.1263	18.366	730.28	2.2839	235.67	168.67

#1	.03560	.07534	.00971	-.00128	.02000	.00138	.00067	.02312	.00032	.00105	.01583	.00013	.00013
#2	.03810	.04622	.00954	-.00228	.02308	.00122	.00048	.02417	.00024	-.00156	.01532	-.00053	-.00150

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01185	-.00089	.00024	-.00052	-.00103	-.00002	z *****	z *****	.00037
Stddev	.00482	.00030	.00002	.00007	.00134	.00038	z -----	z -----	.00101
%RSD	40.649	33.735	8.2220	12.439	129.36	1540.8	z -----	z -----	272.61

#1	.01526	-.00111	.00023	-.00057	-.00009	-.00025	z 3597.	z 11800.	.00109
#2	.00844	-.00068	.00025	-.00048	-.00198	-.00030	z 3608.	z 11780.	-.00034

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit									
Low Limit									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3560.4	4986.3	28989.	9902.5
Stddev	1.9	5.6	37.	.7
%RSD	.05227	.11289	.12875	.00713

#1	3559.1	4982.3	28962.	9903.0
#2	3561.7	4990.3	29015.	9902.0

Sample Name: 480-27365-D-1-B Acquired: 11/13/2012 23:55:29 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0027	.31682	19.625	13.70	14.21	F 20.028	.02702	-0.0010	568.64
Stddev	.00157	.01775	.039	.01	.01	.052	.00014	.00009	5.73
%RSD	590.03	5.6024	.19768	.0682	.0845	.25821	.50897	92.022	1.0082

#1	-.00137	.30427	19.598	13.69	14.22	19.992	.02712	-.00003	572.70
#2	.00084	.32937	19.652	13.70	14.20	20.065	.02692	-.00016	564.59

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						20.000			
Low Limit						-.02000			

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.08607	.23032	.18485	.03721	3.3755	F 1186.2	*****	1.4028	96.700
Stddev	.00116	.00071	.00063	.00045	.0008	16.5	----	.0026	.598
%RSD	1.3428	.30899	.34049	1.1993	.02499	1.3921	----	.18640	.61823

#1	.08526	.22982	.18530	.03752	3.3749	1197.8	----	1.4046	97.123
#2	.08689	.23083	.18441	.03689	3.3761	1174.5	----	1.4009	96.277

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit						600.00			
Low Limit						-.50000			

Elem	Mn2576	Mo2020	Na8183	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	818.326 {41}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.24127	6.3580	F 9351.5	1.4264	.00625	2482.1	.19939	.12139	17.695
Stddev	.00082	.0060	94.7	.0022	.00131	3.7	.00071	.00519	.007
%RSD	.33890	.09509	1.0125	.15583	20.974	.15034	.35576	4.2739	.03892

#1	.24184	6.3537	9418.5	1.4280	.00718	2479.4	.19989	.11772	17.690
#2	.24069	6.3622	9284.6	1.4248	.00532	2484.7	.19889	.12506	17.700

Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			5000.0						
Low Limit			-1.0000						

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	F 15.003	1.3100	.02100	-.01258	.10112	*****	*****	.17132
Stddev	.004	.0021	.00056	.00028	.00104	----	----	.00005
%RSD	.02628	.16144	2.6658	2.2583	1.0267	----	----	.02994

#1	15.006	1.3115	.02140	-.01278	.10185	3167.	10370.	.17129
#2	15.000	1.3085	.02061	-.01237	.10038	3190.	10440.	.17136

Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit	5.0000							
Low Limit	-.01000							

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	1945.7	3520.7	18992.	8676.7
Stddev	1.0	8.6	75.	43.3
%RSD	.05364	.24304	.39632	.49911

#1	1944.9	3526.8	18939.	8646.1
#2	1946.4	3514.7	19045.	8707.4

Sample Name: RB Acquired: 11/13/2012 23:58:00 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0063	.00144	.00727	.0088	.0115	.01861	.00021	.00003	.19810
Stddev	.00044	.00741	.00286	.0006	.0000	.00299	.00002	.00001	.00259
%RSD	70.305	512.90	39.314	6.671	.2383	16.085	7.4414	16.581	1.3076

#1	-.00032	.00668	.00929	.0092	.0116	.02073	.00022	.00003	.19993
#2	-.00094	-.00380	.00525	.0084	.0115	.01649	.00020	.00003	.19627

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0017	.00001	-0.00008	.00040	.03808	.65117	.20638	.00033	.04118
Stddev	.00005	.00004	.00048	.00031	.00153	.02805	.00463	.00006	.00331
%RSD	31.208	373.63	587.88	77.619	4.0131	4.3072	2.2429	18.136	8.0467

#1	-.00013	-.00002	.00026	.00018	.03700	.67100	.20965	.00037	.04353
#2	-.00020	.00004	-.00042	.00062	.03916	.63133	.20310	.00029	.03884

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00140	.00438	2.6830	.00015	.00002	.68982	-.00119	.00051	.02779
Stddev	.00010	.00013	.0397	.00003	.00044	.05988	.00016	.00191	.00498
%RSD	7.2495	2.9172	1.4791	21.890	1908.9	8.6802	13.506	375.73	17.906

#1	.00147	.00429	2.7111	.00012	-.00029	.73216	-.00131	-.00084	.02427
#2	.00133	.00448	2.6550	.00017	.00034	.64748	-.00108	.00186	.03131

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02672	.00051	-.00045	.00080	.00024	*****	*****	.00046
Stddev	.00373	.00003	.00010	.00118	.00016	----	----	.00072
%RSD	13.945	5.7470	21.492	147.63	66.217	----	----	155.47

#1	.02936	.00053	-.00038	.00163	.00013	3653.	12010.	.00097
#2	.02409	.00049	-.00052	-.00004	.00036	3651.	11970.	-.00005

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3548.5	4980.8	28943.	10063.
Stddev	10.1	8.0	89.	8.
%RSD	.28563	.16133	.30688	.07604

#1	3541.3	4975.1	28880.	10068.
#2	3555.7	4986.4	29006.	10057.

Sample Name: RB Acquired: 11/14/2012 0:00:21 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0041	.01678	.00213	.0034	.0071	.00801	.00013	-0.0010	.11878
Stddev	.00110	.00232	.00063	.0011	.0015	.00046	.00003	.00007	.01722
%RSD	267.58	13.825	29.581	32.61	20.53	5.6816	21.980	69.632	14.493

#1	-.00118	.01842	.00257	.0026	.0082	.00833	.00015	-.00005	.13096
#2	.00037	.01514	.00168	.0042	.0061	.00769	.00011	-.00015	.10661

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0008	-0.0009	-0.0025	.00059	.02887	.35546	.10861	-0.0077	.02385
Stddev	.00011	.00017	.00031	.00047	.00483	.02208	.00170	.00014	.00090
%RSD	138.07	199.09	121.94	80.003	16.743	6.2118	1.5677	18.348	3.7537

#1	-.00015	-.00021	-.00047	.00026	.03229	.37107	.10982	-.00067	.02448
#2	.00000	.00004	-.00003	.00093	.02545	.33984	.10741	-.00087	.02322

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00072	.00148	1.4936	.00016	-0.00028	.44792	-0.00038	-0.00120	.01074
Stddev	.00002	.00053	.1858	.00020	.00076	.02521	.00058	.00118	.00918
%RSD	3.0803	36.192	12.440	123.30	270.62	5.6278	152.95	98.382	85.481

#1	.00073	.00110	1.6250	.00002	.00026	.43009	.00003	-.00037	.01723
#2	.00070	.00185	1.3622	.00031	-.00082	.46574	-.00079	-.00204	.00425

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.01446	.00037	-0.00015	-0.00168	.00037	*****	*****	-0.00005
Stddev	.00108	.00008	.00011	.00063	.00017	----	----	.00014
%RSD	7.4660	20.164	73.560	37.286	47.759	----	----	304.47

#1	.01522	.00043	-.00007	-.00212	.00049	3609.	11890.	.00005
#2	.01370	.00032	-.00023	-.00124	.00024	3596.	11770.	-.00015

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3553.5	4985.6	28871.	9943.5
Stddev	9.1	10.3	54.	48.2
%RSD	.25693	.20574	.18822	.48447

#1	3547.0	4978.3	28909.	9977.5
#2	3559.9	4992.8	28832.	9909.4

Sample Name: RB Acquired: 11/14/2012 0:02:42 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	.00528	.00291	.0020	.0023	.00432	.00008	-.00001	.07463
Stddev	.00033	.01428	.00077	.0026	.0042	.00050	.00001	.00001	.00364
%RSD	279.39	270.34	26.637	125.5	184.0	11.559	13.943	74.618	4.8806

#1	.00036	-.00481	.00346	.0002	.0052	.00467	.00008	-.00002	.07721
#2	-.00012	.01538	.00236	.0038	-.0007	.00397	.00007	-.00001	.07206

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00009	.00013	.00002	.00072	.01711	.26009	.08328	.00044	.02125
Stddev	.00007	.00015	.00032	.00013	.00191	.01533	.00741	.00031	.00290
%RSD	75.961	116.70	1513.1	18.769	11.153	5.8923	8.8958	69.604	13.635

#1	-.00015	.00002	-.00020	.00062	.01846	.27093	.07804	.00066	.01920
#2	-.00004	.00023	.00024	.00081	.01576	.24926	.08852	.00022	.02329

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00053	.00077	.97984	-.00030	.00039	.31373	.00066	.00056	.01289
Stddev	.00003	.00013	.03335	.00025	.00186	.01939	.00032	.00054	.01038
%RSD	5.1451	16.647	3.4038	85.174	478.51	6.1793	47.854	95.903	80.534

#1	.00051	.00067	1.0034	-.00048	-.00093	.32744	.00089	.00018	.02024
#2	.00055	.00086	.95626	-.00012	.00170	.30002	.00044	.00094	.00555

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00935	.00021	-.00012	-.00065	.00040	*****	*****	.00028
Stddev	.00077	.00001	.00042	.00153	.00019	----	----	.00016
%RSD	8.2711	6.9634	335.34	233.52	47.124	----	----	57.666

#1	.00989	.00020	-.00042	-.00173	.00054	3646.	11940.	.00039
#2	.00880	.00023	.00017	.00043	.00027	3620.	11830.	.00016

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3564.2	4986.9	29081.	9957.8
Stddev	5.6	1.8	79.	58.3
%RSD	.15805	.03651	.27066	.58508

#1	3568.2	4988.2	29137.	9999.0
#2	3560.2	4985.6	29026.	9916.6

Sample Name: RB Acquired: 11/14/2012 0:05:01 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0096	.01249	.00274	.0034	.0071	.00219	.00005	-0.0008	.05505
Stddev	.00028	.01666	.00504	.0016	.0020	.00006	.00000	.00010	.00210
%RSD	28.574	133.35	183.70	47.39	28.18	2.5747	7.0495	120.69	3.8239

#1	-0.0077	.00071	.00630	.0045	.0057	.00215	.00005	-0.0001	.05356
#2	-0.0116	.02427	-0.00082	.0022	.0085	.00223	.00005	-0.00015	.05654

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0018	.00005	-0.0060	.00088	.00984	.18524	.06017	-0.0048	.01425
Stddev	.00015	.00013	.00005	.00026	.00459	.03948	.00160	.00020	.00149
%RSD	80.323	257.97	8.4083	30.086	46.634	21.315	2.6573	41.913	10.452

#1	-0.0008	-0.0004	-0.00064	.00107	.00660	.15732	.06130	-0.0062	.01320
#2	-0.0029	.00014	-0.00057	.00069	.01309	.21316	.05904	-0.00034	.01530

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.00040	.68650	.00025	-0.00050	.23740	-0.0137	-0.0064	.00449
Stddev	.00004	.00004	.01350	.00044	.00250	.01086	.00036	.00253	.01672
%RSD	12.072	9.8258	1.9669	177.17	502.98	4.5735	25.857	395.58	372.76

#1	.00032	.00042	.67695	.00056	-0.00227	.24508	-0.0112	-0.00243	-0.00734
#2	.00038	.00037	.69605	-0.00006	.00127	.22972	-0.0162	.00115	.01631

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00697	.00011	-0.0049	-0.0073	.00051	*****	*****	-0.0036
Stddev	.00033	.00001	.00052	.00119	.00046	----	----	.00019
%RSD	4.6962	11.257	106.62	164.20	91.021	----	----	53.018

#1	.00674	.00012	-0.00086	-0.00157	.00018	3659.	12040.	-0.00023
#2	.00720	.00010	-0.00012	.00012	.00084	3626.	11920.	-0.00050

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3547.3	4982.7	28974.	10046.
Stddev	2.5	7.1	38.	67.
%RSD	.06919	.14332	.13213	.66836

#1	3549.0	4977.7	28947.	10094.
#2	3545.6	4987.8	29001.	9998.8

Sample Name: RB Acquired: 11/14/2012 0:07:20 Type: Unk
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179
Line	328.068 {103}	308.215 {109}	189.042 {478}	193.759 {474}	197.262 {471}	208.959 {461}	455.403 {74}2	313.042 {108}	317.933 {106}
IS Ref	(Y_3600)	(Y_3774)	(Y_2243)	(none)	(none)	(Y_2243)	(Y_3600)	(Y_3774)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0064	-0.00700	-0.00162	.0028	.0009	.00055	.00005	-0.00010	.04701
Stddev	.00057	.01249	.00130	.0030	.0000	.00030	.00001	.00000	.00154
%RSD	88.817	178.45	80.391	106.3	2.532	53.646	15.409	4.0917	3.2818

#1	-0.0024	.00183	-0.00070	.0007	.0009	.00076	.00005	-0.00010	.04592
#2	-0.0105	-0.01583	-0.00255	.0050	.0009	.00034	.00004	-0.00010	.04810

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Cd2288	Co2286	Cr2677	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790
Line	228.802 {447}	228.616 {447}	267.716 {126}	324.754 {104}	259.940 {130}	766.490 {44}	766.490 {44}2	670.784 {50}	279.079 {121}2
IS Ref	(Y_2243)	(ln2306)	(Y_3600)	(Y_3600)	(Y_3774)	(Y_3774)	(Y_3600)	(Y_3774)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.00013	.00006	-0.00008	.00084	.01120	.16974	.05214	-0.00025	.01174
Stddev	.00008	.00009	.00015	.00053	.00297	.00511	.00149	.00023	.00124
%RSD	60.997	149.84	199.26	62.766	26.515	3.0087	2.8664	89.140	10.568

#1	-0.0018	.00000	-0.00019	.00122	.01330	.16612	.05109	-0.00009	.01262
#2	-0.00007	.00012	.00003	.00047	.00910	.17335	.05320	-0.00041	.01087

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960	Si2881
Line	257.610 {131}	202.030 {467}	589.592 {57}	231.604 {446}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}2
IS Ref	(Y_3600)	(Y_2243)	(Y_3774)	(ln2306)	(ln2306)	(Y_2243)	(Y_2243)	(Y_2243)	(Y_3774)
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00026	.00042	.62669	.00028	.00039	.20567	-0.00045	-0.00047	.00272
Stddev	.00012	.00006	.03504	.00007	.00058	.01055	.00059	.00095	.01007
%RSD	44.622	13.464	5.5911	24.341	149.54	5.1297	131.72	202.87	369.97

#1	.00018	.00046	.65146	.00023	-0.0002	.21313	-0.00003	-0.00114	-0.00440
#2	.00034	.00038	.60191	.00032	.00080	.19821	-0.00087	.00020	.00984

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit									
Low Limit									

Elem	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Line	189.989 {477}	407.771 {83}	334.904 {101}	190.856 {477}	292.402 {115}	360.073 {94}2	371.030 {91}	206.200 {163}
IS Ref	(ln2306)	(Y_3774)	(Y_3600)	(ln2306)	(Y_3600)	(none)	(none)	(Y_3600)
Units	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00580	.00012	-0.00014	-0.00047	.00006	*****	*****	-0.00068
Stddev	.00051	.00007	.00008	.00170	.00049	----	----	.00012
%RSD	8.7578	61.690	57.764	364.45	833.81	----	----	17.724

#1	.00544	.00017	-0.00020	.00074	-0.00029	3603.	11850.	-0.00077
#2	.00615	.00007	-0.00008	-0.00167	.00040	3612.	11870.	-0.00060

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit								
Low Limit								

Int. Std.	ln2306	Y_2243	Y_3600	Y_3774
Line	230.606 {446}	224.306 {450}	360.073 {94}	377.433 {89}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3563.4	4991.9	28907.	9951.0
Stddev	6.1	2.9	100.	14.8
%RSD	.17032	.05894	.34621	.14863

#1	3559.1	4989.9	28978.	9940.6
#2	3567.7	4994.0	28836.	9961.5

Sample Name: CRI-1043085 Acquired: 11/14/2012 0:09:38 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00312	.21370	.01139	.0125	.0122	.02139	.00209	.00187	.53356	.00089	.00371	.00392
Stddev	.00072	.00101	.00023	.0006	.0046	.00039	.00000	.00004	.00381	.00003	.00011	.00012
%RSD	23.085	.47111	2.0212	4.622	38.02	1.8069	.10891	2.0830	.71425	2.8033	3.0896	3.0409

#1	.00261	.21441	.01155	.0129	.0089	.02112	.00209	.00184	.53626	.00088	.00363	.00400
#2	.00363	.21299	.01123	.0120	.0155	.02166	.00210	.00190	.53087	.00091	.00379	.00384

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range												

Elem	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01049	.05609	W .66540	.43107	.02759	.20951	.00278	.01089	W 1.4830	.00952	.00516	.19093
Stddev	.00001	.00469	.01074	.00382	.00074	.00730	.00002	.00017	.0031	.00087	.00022	.03849
%RSD	.06383	8.3540	1.6142	.88602	2.6847	3.4852	.58861	1.5620	.20597	9.1171	4.2192	20.160

#1	.01049	.05278	.67300	.43377	.02707	.21467	.00279	.01077	1.4852	.01013	.00532	.16371
#2	.01050	.05941	.65781	.42837	.02812	.20435	.00277	.01101	1.4809	.00890	.00501	.21815

Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None
Value Range			.50000 30.000%						1.0000 30.000%			

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.02050	.01271	.54479	.01050	.00492	.00562	.01773	.00539	z *****	z *****	.01102
Stddev	.00099	.00141	.01646	.00034	.00009	.00053	.00066	.00011	----	----	.00049
%RSD	4.8432	11.089	3.0207	3.2555	1.8765	9.3621	3.7296	1.9554	----	----	4.4793

#1	.02121	.01172	.55642	.01075	.00499	.00599	.01820	.00532	z 3688.	z 12120.	.01137
#2	.01980	.01371	.53315	.01026	.00486	.00525	.01726	.00547	z 3661.	z 12040.	.01067

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range											

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3641.1	5108.6	29504.	10133.
Stddev	8.7	3.0	12.	53.
%RSD	.23937	.05862	.04045	.52568

#1	3634.9	5110.7	29496.	10170.
#2	3647.2	5106.5	29513.	10095.

Sample Name: ICSA-1032685 Acquired: 11/14/2012 0:11:56 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem Units	Ag3280 ppm	Al3082 ppm	As1890 ppm	As1937 ppm	As1972 ppm	B_2089 ppm	Ba4554-2 ppm	Be3130 ppm	Ca3179 ppm	Cd2288 ppm	Co2286 ppm	Cr2677 ppm	Cu3247 ppm
Avg	.00042	472.58	.00003	F 4565	-0.0034	-0.00371	.00041	-0.00010	446.15	.00169	.00043	-0.00003	.00342
Stddev	.00056	.44	.00136	.0005	.0015	.00016	.00001	.00006	1.95	.00003	.00011	.00042	.00032
%RSD	131.67	.09300	4918.3	.1107	45.69	4.4161	3.1556	57.836	.43800	1.7173	25.116	1329.2	9.4454

#1	.00082	472.89	.00099	.4561	-.0023	-.00382	.00042	-.00014	444.77	.00171	.00051	-.00033	.00365
#2	.00003	472.27	-.00094	.4568	-.0045	-.00359	.00040	-.00006	447.53	.00167	.00036	.00026	.00320

Check ? High Limit	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Low Limit				.0200									
				-.0200									

Elem Units	Fe2714 ppm	K_7664 ppm	K_7664-2 ppm	Li6707 ppm	Mg2790 ppm	Mn2576 ppm	Mo2020 ppm	Na5895 ppm	Ni2316 ppm	Pb2203 ppm	S_1820 ppm	Sb2068 ppm	Se1960 ppm
Avg	173.47	.01043	.07196	.00936	481.17	.00102	-0.00228	.46212	-0.00024	.00448	.09147	.00130	.00374
Stddev	.00	.03507	.00261	.00039	1.92	.00012	.00008	.01180	.00017	.00198	.00103	.00010	.00717
%RSD	.00055	336.29	3.6213	4.1892	.39928	12.049	3.5090	2.5525	68.751	44.261	1.1241	7.6766	191.65

#1	173.47	.03522	.07381	.00909	482.53	.00111	-.00234	.47047	-.00036	.00308	.09074	.00123	.00881
#2	173.47	-.01437	.07012	.00964	479.81	.00093	-.00223	.45378	-.00012	.00589	.09219	.00137	-.00133

Check ? High Limit	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Low Limit													

Elem Units	Si2881 ppm	Sn1899 ppm	Sr4077 ppm	Ti3349 ppm	Ti1908 ppm	V_2924 ppm	Y_3600-2 Cts/S	Y_3710 Cts/S	Zn2062 ppm
Avg	.00180	.00524	.00541	.00338	-0.00460	.00233	z *****	z *****	-0.0016
Stddev	.00025	.00002	.00000	.00043	.00341	.00037	-----	-----	.00075
%RSD	14.054	.44767	.05959	12.861	74.109	15.793	-----	-----	481.76

#1	.00162	.00525	.00541	.00307	-.00219	.00259	z 3538.	z 11630.	.00037
#2	.00198	.00522	.00541	.00368	-.00701	.00207	z 3547.	z 11630.	-.00069

Check ? High Limit	None	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Low Limit									

Int. Std. Units	In2306 Cts/S	Y_2243 Cts/S	Y_3600 Cts/S	Y_3774 Cts/S
Avg	2685.6	4428.5	25218.	9724.7
Stddev	2.4	3.6	89.	1.6
%RSD	.08812	.08185	.35165	.01638

#1	2683.9	4431.1	25156.	9725.8
#2	2687.3	4425.9	25281.	9723.5

Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21676	485.96	.09760	F .5672	.0930	-.00255	.48531	.46813	445.53	.99616	.48293	.47368	.51328
Stddev	.00155	.98	.00289	.0031	.0044	.00017	.00045	.00049	1.96	.00058	.00045	.00219	.00060
%RSD	.71698	.20219	2.9573	.5510	4.692	6.7169	.09253	.10460	.43934	.05807	.09404	.46192	.11778

#1	.21786	485.27	.09964	.5694	.0960	-.00267	.48499	.46778	444.15	.99576	.48325	.47523	.51285
#2	.21566	486.66	.09556	.5650	.0899	-.00243	.48562	.46848	446.92	.99657	.48261	.47213	.51371

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.1000									
Range				20.00%									

Elem	Fe2714	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	86.810	.06271	.07740	.51739	493.89	.44997	-.00154	.39494	.96051	.05419	.07253	.60277	.05130
Stddev	.144	.00878	.00041	.00233	.76	.00122	.00000	.01490	.00147	.00225	.00165	.00324	.00393
%RSD	.16548	14.008	.52786	.45022	.15334	.27190	.20741	3.7721	.15290	4.1459	2.2714	.53694	7.6594

#1	86.709	.06892	.07711	.51574	494.43	.45083	-.00154	.40547	.96155	.05578	.07136	.60506	.05408
#2	86.912	.05650	.07768	.51904	493.35	.44910	-.00153	.38440	.95947	.05260	.07369	.60048	.04852

Check ?	Chk Pass	None	None	None	Chk Pass	Chk Pass	None	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	1.0234	.00525	.48764	.00283	.08984	.47130	z *****	z *****	.93349
Stddev	.0146	.00155	.00009	.00014	.00139	.00019	----	----	.00068
%RSD	1.4306	29.469	.01795	4.9952	1.5493	.04025	----	----	.07293

#1	1.0131	.00415	.48770	.00273	.09083	.47116	z 3587.	z 11750.	.93301
#2	1.0338	.00634	.48758	.00293	.08886	.47143	z 3593.	z 11800.	.93397

Check ?	None	None	None	None	Chk Pass	Chk Pass	None	None	Chk Pass
Value									
Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	2726.4	4487.5	25534.	9847.1
Stddev	2.8	1.4	1.	27.2
%RSD	.10359	.03224	.00440	.27592

#1	2728.4	4488.6	25533.	9827.9
#2	2724.4	4486.5	25535.	9866.4

Sample Name: CCV Acquired: 11/14/2012 0:16:39 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.49413	24.586	.48822	.5066	.4987	.49704	.50344	.48507	24.871	.49503	.48356	.49808	.49296
Stddev	.00023	.057	.00198	.0001	.0031	.00147	.00047	.00043	.010	.00110	.00044	.00007	.00038
%RSD	.04731	.23085	.40519	.0231	.6230	.29661	.09246	.08918	.04124	.22303	.09000	.01308	.07660

#1	.49429	24.627	.48961	.5065	.5009	.49809	.50311	.48537	24.863	.49581	.48387	.49813	.49269
#2	.49396	24.546	.48682	.5067	.4965	.49600	.50377	.48476	24.878	.49425	.48326	.49804	.49323

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.039	25.143	25.427	.49090	24.084	.49658	.49704	25.120	.49034	.48609	24.409	.51146	.49783
Stddev	.036	.039	.008	.00072	.028	.00027	.00048	.003	.00085	.00015	.048	.00216	.00454
%RSD	.14863	.15686	.03304	.14645	.11682	.05349	.09698	.01045	.17256	.03129	.19501	.42286	.91190

#1	24.014	25.171	25.421	.49039	24.065	.49677	.49739	25.118	.48974	.48620	24.442	.50993	.50104
#2	24.064	25.115	25.433	.49141	24.104	.49639	.49670	25.121	.49094	.48598	24.375	.51299	.49462

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value Range													

Elem	Si2881	Sn1899	Sr4077	Ti3349	Ti1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	24.754	.50284	.49853	.49981	.48941	.49205	z *****	z *****	.49756
Stddev	.013	.00004	.00054	.00153	.00217	.00026	-----	-----	.00348
%RSD	.05074	.00814	.10782	.30580	.44311	.05199	-----	-----	.69842

#1	24.745	.50281	.49815	.49873	.49094	.49187	z 3617.	z 11880.	.50002
#2	24.763	.50287	.49891	.50089	.48788	.49223	z 3621.	z 11890.	.49510

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
Value Range									

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3344.1	4934.4	28269.	9967.0
Stddev	9.8	4.7	36.	11.4
%RSD	.29178	.09577	.12868	.11402

#1	3351.0	4937.8	28243.	9975.0
#2	3337.2	4931.1	28295.	9959.0

Sample Name: CCB Acquired: 11/14/2012 0:18:54 Type: QC
 Method: ICAP2 2012 (v112) Mode: CONC Corr. Factor: 1.000000
 User: AMH Custom ID1: Custom ID2: Custom ID3:
 Comment:

Elem	Ag3280	Al3082	As1890	As1937	As1972	B_2089	Ba4554-2	Be3130	Ca3179	Cd2288	Co2286	Cr2677
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0041	.10769	-0.0047	.0025	.0035	-0.0138	.00013	.00004	.11632	-0.0001	.00004	.00000
Stddev	.00031	.01104	.00002	.0018	.0004	.00042	.00001	.00002	.00388	.00004	.00009	.0001
%RSD	75.860	10.251	5.1959	71.31	11.06	30.264	6.0835	51.761	3.3347	618.05	242.24	2344.7

#1	-0.0019	.11549	-0.0046	.0037	.0038	-0.0109	.00013	.00003	.11906	-0.0004	.00010	.00004
#2	-0.0062	.09988	-0.0049	.0012	.0033	-0.0168	.00012	.00006	.11358	.00002	-0.0003	-0.0004

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Cu3247	Fe2599	K_7664	K_7664-2	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	Pb2203	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00105	.03359	.09656	.01907	-0.0125	.10116	.00014	.00077	.19624	-0.0006	-0.00163	F .07029
Stddev	.00009	.00114	.00583	.00098	.00026	.00655	.00003	.00016	.00900	.00027	.00070	.00371
%RSD	8.6334	3.3983	6.0426	5.1625	20.674	6.4764	23.625	20.421	4.5883	439.61	42.842	5.2799

#1	.00099	.03440	.09243	.01976	-.00143	.10580	.00017	.00088	.20260	-.00025	-.00212	.07291
#2	.00111	.03279	.10068	.01837	-.00107	.09653	.00012	.00065	.18987	.00013	-.00114	.06766

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.05000
Low Limit												-.05000

Elem	Sb2068	Se1960	Si2881	Sn1899	Sr4077	Ti3349	Tl1908	V_2924	Y_3600-2	Y_3710	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Cts/S	Cts/S	ppm
Avg	.00110	.00133	.01227	.00262	.00010	.00000	-0.0054	.00002	z *****	z *****	.00051
Stddev	.00143	.00056	.00221	.00015	.00000	.00084	.00227	.00009	----	----	.00059
%RSD	130.14	41.813	18.013	5.6251	1.2008	22400.	417.41	429.78	----	----	114.99

#1	.00212	.00172	.01384	.00251	.00010	-.00059	-.00215	.00009	z 3610.	z 11850.	.00010
#2	.00009	.00094	.01071	.00272	.00010	.00060	.00106	-.00004	z 3637.	z 11930.	.00093

Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	None	Chk Pass
High Limit											
Low Limit											

Int. Std.	In2306	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	3539.9	4949.8	28799.	9983.6
Stddev	4.9	8.1	58.	42.8
%RSD	.13850	.16352	.20108	.42902

#1	3536.4	4944.0	28840.	9953.3
#2	3543.4	4955.5	28758.	10014.

WinHg Database 1.1

File Utility Help

RN↓ RN↑ ?

Protocol hgppb BUSY Dataset/Proto H11132W1/hgppb

Protocol Line info Cal Curve Report Ctrl Chart Viewer

Reset

Calib Coeffs

New Cal

Update Coeffs

Spike Coeffs

A

B 1.01474e-5

C -7.06710e-2

rho .999974

Type Linear

Include S7 Rep 1 2 3 4 5

Calibrated

Accepted

Rel. Abs. 989892

Accepted

New

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3
01	.00000	-.024	-.024	4606	319	4973	4449	4398
02	.20000	.184	-.016	25094	0.21%	25153	25055	25076
03	1.0000	1.01	.014	106923	0.35%	106871	106578	107320
04	2.0000	2.00	.005	204522	0.44%	205239	204830	203499
05	5.0000	5.05	.047	504305	0.14%	503756	505124	504032
06	10.000	9.97	-.026	989893	0.26%	992716	989154	987607

Ready

CAP NUM

L2

11/3/12

90617

Cal: H11132C1

Row: H11132W1

Batches: 90505
90506

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 2 Ck2ICV Seq: 1 12:53:08 13 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.6	2.96	3.00	ppb	.000		
*** Check Standard: 1 Ck1ICB ^{Sw/12} Seq: 2 12:54:44 13 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.027	.200	ppb	.000			
*** Check Standard: 4 Ck4CRA Seq: 3 12:56:25 13 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		98.8	.198	.200	ppb	.000		
*** Check Standard: 3 Ck3CCV Seq: 4 12:58:05 13 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		101.	2.03	2.00	ppb	.000		
*** Check Standard: 1 Ck1CCB Seq: 5 12:59:40 13 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.029	.200	ppb	.000			
*** Sample ID: Seq: 6 13:03:12 13 Nov 12 HG								
					mb 480-90505/1-a			
Hg	-.025	ppb	.000	-.025				
*** Sample ID: Seq: 7 13:04:52 13 Nov 12 HG								
					lcs 480-90505/2-a			
Hg	3.87	ppb	.000	3.87				
*** Sample ID: Seq: 8 13:07:40 13 Nov 12 HG								
					480-28103-b-1-a			
Hg	.017	ppb	.000	.017				
*** Sample ID: Seq: 9 13:09:21 13 Nov 12 HG								
					480-28031-k-1-c			
Hg	.064	ppb	.000	.064				
*** Sample ID: Seq: 10 13:10:56 13 Nov 12 HG								
					480-28031-k-2-c			
Hg	-.027	ppb	.000	-.027				
*** Sample ID: Seq: 11 13:13:24 13 Nov 12 HG								
					480-28091-e-1-c			
Hg	-.023	ppb	.000	-.023				
*** Sample ID: Seq: 12 13:15:02 13 Nov 12 HG								
					480-28091-e-2-c			
Hg	-.024	ppb	.000	-.024				
*** Sample ID: Seq: 13 13:16:42 13 Nov 12 HG								
					480-28091-f-3-e			
Hg	-.026	ppb	.000	-.026				
*** Sample ID: Seq: 14 13:18:19 13 Nov 12 HG								
					480-28091-f-3-e SD05			
Hg	-.004	ppb	.000	-.004				
*** Sample ID: Seq: 15 13:19:57 13 Nov 12 HG								
					480-28091-e-3-e ms			
Hg	3.87	ppb	.000	3.87				

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Check Standard: 3 Ck3CCV Seq: 16 13:21:34 13 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		100.	2.00	2.00	ppb	.000		
*** Check Standard: 1 Ck1CCB Seq: 17 13:23:21 13 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.029	.200	ppb	.000			
*** Sample ID: Seq: 18 13:24:57 13 Nov 12 HG								
					480-28091-f-3-f	msd		
Hg	3.79	ppb	.000	3.79				
*** Sample ID: Seq: 19 13:26:34 13 Nov 12 HG								
					480-28091-e-4-c			
Hg	-.034	ppb	.000	-.034				
*** Sample ID: Seq: 20 13:28:08 13 Nov 12 HG								
					480-28091-g-5-c			
Hg	-.025	ppb	.000	-.025				
*** Sample ID: Seq: 21 13:29:48 13 Nov 12 HG								
					480-28091-f-7-c			
Hg	-.021	ppb	.000	-.021				
*** Sample ID: Seq: 22 13:31:28 13 Nov 12 HG								
					480-28122-e-1-c			
Hg	-.027	ppb	.000	-.027				
*** Sample ID: Seq: 23 13:33:08 13 Nov 12 HG								
					480-28122-e-2-c			
Hg	-.026	ppb	.000	-.026				
*** Sample ID: Seq: 24 13:35:54 13 Nov 12 HG								
					480-28122-e-3-c			
Hg	-.024	ppb	.000	-.024				
*** Sample ID: Seq: 25 13:37:35 13 Nov 12 HG								
					480-28122-e-4-c			
Hg	-.026	ppb	.000	-.026				
*** Sample ID: Seq: 26 13:39:21 13 Nov 12 HG								
					480-28122-e-6-c			
Hg	-.021	ppb	.000	-.021				
*** Sample ID: Seq: 27 13:40:59 13 Nov 12 HG								
					480-28122-e-7-c			
Hg	-.022	ppb	.000	-.022				
*** Check Standard: 3 Ck3CCV Seq: 28 13:42:35 13 Nov 12 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		102.	2.03	2.00	ppb	.000		
*** Check Standard: 1 Ck1CCB Seq: 29 13:44:10 13 Nov 12 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.029	.200	ppb	.000			
*** Sample ID: Seq: 30 13:45:46 13 Nov 12 HG								
					480-28122-e-8-c			
Hg	-.024	ppb	.000	-.024				

Protocol: hgppb

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:					Seq: 31	13:47:34	13 Nov 12	HG
				480-28122-e-9-c				
Hg	-0.025	ppb	.000		-0.025			
*** Sample ID:					Seq: 32	13:49:41	13 Nov 12	HG
				480-28122-e-10-c				
Hg	-0.022	ppb	.000		-0.022			
*** Sample ID:					Seq: 33	13:51:18	13 Nov 12	HG
				mb 480-90506/1-a				
Hg	-0.024	ppb	.000		-0.024			
*** Sample ID:					Seq: 34	13:52:53	13 Nov 12	HG
				lcs 480-90506/2-a				
Hg	<u>3.71</u>	ppb	.000		3.71			
*** Sample ID:					Seq: 35	13:54:32	13 Nov 12	HG
				480-28140-c-1-d				
Hg	-0.033	ppb	.000		-0.033			
*** Sample ID:					Seq: 36	13:56:10	13 Nov 12	HG
				480-28140-c-1-d SD05				
Hg	-0.012	ppb	.000		-0.012			
*** Sample ID:					Seq: 37	13:57:45	13 Nov 12	HG
				480-28140-c-1-e ms				
Hg	<u>3.85</u>	ppb	.000		3.85			
*** Sample ID:					Seq: 38	13:59:54	13 Nov 12	HG
				480-28140-c-1-f msd				
Hg	<u>3.82</u>	ppb	.000		3.82			
*** Sample ID:					Seq: 39	14:01:42	13 Nov 12	HG
				480-28140-c-2-b				
Hg	-0.033	ppb	.000		-0.033			
*** Check Standard: 3	Ck3CCV				Seq: 40	14:03:29	13 Nov 12	HG
Line	Flag	%Rev.	Found	True	Units	SD/RSD		
Hg		101.	2.02	2.00	ppb	.000		
*** Check Standard: 1	Ck1CCB				Seq: 41	14:05:06	13 Nov 12	HG
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-0.026	.200	ppb	.000			
*** Sample ID:					Seq: 42	14:07:27	13 Nov 12	HG
				480-28155-a-1-b				
Hg	-0.022	ppb	.000		-0.022			
*** Sample ID:					Seq: 43	14:09:14	13 Nov 12	HG
				480-28155-a-2-d				
Hg	-0.027	ppb	.000		-0.027			
*** Sample ID:					Seq: 44	14:11:17	13 Nov 12	HG
				480-28155-a-2-d SD05				
Hg	-0.019	ppb	.000		-0.019			
*** Sample ID:					Seq: 45	14:12:56	13 Nov 12	HG
				480-28155-a-2-e ms				
Hg	<u>3.77</u>	ppb	.000		3.77			

Protocol: hgppb

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID:					Seq: 46	14:14:54	13 Nov 12	HG
				480-28155-a-2-f	msd			
Hg	<u>3.76</u>	ppb	.000	3.76				
*** Sample ID:					Seq: 47	14:17:04	13 Nov 12	HG
				480-28155-a-3-b				
Hg	-.034	ppb	.000	-.034				
*** Sample ID:					Seq: 48	14:18:40	13 Nov 12	HG
				480-28155-a-4-b				
Hg	-.024	ppb	.000	-.024				
*** Sample ID:					Seq: 49	14:20:18	13 Nov 12	HG
				480-28201-g-1-b				
Hg	-.022	ppb	.000	-.022				
*** Sample ID:					Seq: 50	14:21:55	13 Nov 12	HG
				480-28201-g-1-b	SD05			
Hg	-.012	ppb	.000	-.012				
*** Sample ID:					Seq: 51	14:23:41	13 Nov 12	HG
				480-28201-c-1-c	ms			
Hg	<u>3.84</u>	ppb	.000	3.84				
*** Check Standard: 3	Ck3CCV				Seq: 52	14:25:17	13 Nov 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		101.	2.02	2.00	ppb	.000		
*** Check Standard: 1	Ck1CCB				Seq: 53	14:26:59	13 Nov 12	HG
Line	Flag	Found	Range (+/-)	Units	SD/RSD			
Hg		-.027	.200	ppb	.000			
*** Sample ID:					Seq: 54	14:29:04	13 Nov 12	HG
				480-28201-c-1-d	msd			
Hg	<u>3.83</u>	ppb	.000	3.83				
*** Sample ID:					Seq: 55	14:30:41	13 Nov 12	HG
				480-28201-g-2-b				
Hg	-.033	ppb	.000	-.033				
*** Sample ID:					Seq: 56	14:32:20	13 Nov 12	HG
				480-28201-c-3-b				
Hg	-.027	ppb	.000	-.027				
*** Sample ID:					Seq: 57	14:33:56	13 Nov 12	HG
				480-28201-c-4-b				
Hg	-.027	ppb	.000	-.027				
*** Sample ID:					Seq: 58	14:35:33	13 Nov 12	HG
				480-28201-g-5-b				
Hg	-.025	ppb	.000	-.025				
*** Sample ID:					Seq: 59	14:37:23	13 Nov 12	HG
				480-28201-c-7-b				
Hg	-.028	ppb	.000	-.028				
*** Check Standard: 4	Ck4CRA				Seq: 60	14:38:59	13 Nov 12	HG
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		96.0	.192	.200	ppb	.000		

Protocol: hgppb

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
------	-------	-------	--------	---	---	---	---	---

*** Check Standard: 3 Ck3CCV Seq: 61 14:40:55 13 Nov 12 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		101.	2.03	2.00	ppb	.000

*** Check Standard: 1 Ck1CCB Seq: 62 14:42:33 13 Nov 12 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.027	.200	ppb	.000

Preliminary Data

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

Batch Number: 90055 Batch Start Date: 11/10/12 09:20 Batch Analyst: Setang, Steven

Batch Method: 3005A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MED_01_Si 00017	MED_01_W1 00010	MED_02_W2 00009	MED_03_Ag 00025
MB 480-90055/1		3005A, 6010B		50 mL	50 mL				
LCS 480-90055/2		3005A, 6010B		50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	0.25 mL
480-28155-A-1	NCR13S	3005A, 6010B	T	50 mL	50 mL				
480-28155-A-2	NCR3S	3005A, 6010B	T	50 mL	50 mL				
480-28155-A-2	NCR3S	3005A, 6010B	T	50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	0.25 mL
MS 480-28155-A-2	NCR3S	3005A, 6010B	T	50 mL	50 mL	0.25 mL	0.25 mL	0.25 mL	0.25 mL
MSD 480-28155-A-3	NCR4S	3005A, 6010B	T	50 mL	50 mL				
480-28155-A-4	Field Duplicate	3005A, 6010B	T	50 mL	50 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	MED_04_Sn 00023				
MB 480-90055/1		3005A, 6010B						
LCS 480-90055/2		3005A, 6010B		0.25 mL				
480-28155-A-1	NCR13S	3005A, 6010B	T					
480-28155-A-2	NCR3S	3005A, 6010B	T					
480-28155-A-2	NCR3S	3005A, 6010B	T	0.25 mL				
MS 480-28155-A-2	NCR3S	3005A, 6010B	T	0.25 mL				
MSD 480-28155-A-3	NCR4S	3005A, 6010B	T					
480-28155-A-4	Field Duplicate	3005A, 6010B	T					

Batch Notes	
First End time	1220
Hydrochloric Acid Reagent ID Number	UN1789
Nitric Acid Reagent ID Number	1030685
Hot Block ID number	C
Oven, Bath or Block Temperature 1	97.3 Degrees C
Oven, Bath or Block Temperature 2	96.8 Degrees C
Pipette ID	MDL-3
First Start time	920
ID number of the thermometer	58758G320810/3
Digestion Tube/Cup Lot #	1205258

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

Batch Number: 90055 Batch Start Date: 11/10/12 09:20 Batch Analyst: Setang, Steven

Batch Method: 3005A Batch End Date: _____

Basis	Basis Description
T	Total/NA

Preliminary Data

METALS BATCH WORKSHEET

Lab Name: TestAmerica Buffalo Job No.: 480-28155-1

SDG No.: _____

Batch Number: 90506 Batch Start Date: 11/13/12 08:55 Batch Analyst: Kacalski, Jason

Batch Method: 7470A Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MEH_HG2_WKG 00229			
MB 480-90506/1		7470A, 7470A		30 mL	50 mL				
LCS 480-90506/2		7470A, 7470A		30 mL	50 mL	2 mL			
480-28155-A-1	NCR13S	7470A, 7470A	T	30 mL	50 mL				
480-28155-A-2	NCR3S	7470A, 7470A	T	30 mL	50 mL				
480-28155-A-2	NCR3S	7470A, 7470A	T	30 mL	50 mL	2 mL			
MS 480-28155-A-2	NCR3S	7470A, 7470A	T	30 mL	50 mL	2 mL			
MSD 480-28155-A-3	NCR4S	7470A, 7470A	T	30 mL	50 mL				
480-28155-A-4	Field Duplicate	7470A, 7470A	T	30 mL	50 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	1012435
Batch Comment	Cal Batch: 90617
Sulfuric Acid Lot Number	1021525
Lot # of Nitric Acid	864613
Hood ID or number	HG-A
Potassium Persulfate Lot Number	984474
Potassium Permanganate Lot Number	984475
Oven, Bath or Block Temperature 1	95.0
Stannous Chloride Lot Number	1037821
ID number of the thermometer	A02-24-10
Digestion Tube/Cup Lot #	1204125
Uncorrected Temperature	95.0 Celsius

Basis	Basis Description
T	Total/NA

Shipping and
Receiving
Documents

Client Information
 Client Contact: Sally Grezkowski
 Company: N Tonawanda Water Works
 Address: City Hall, Room 6, 218 Payne Ave
 City: North Tonawanda
 State, Zip: NY, 14120
 Phone:
 Email:
 Project Name: City of North Tonawanda - NCRS
 Site: New York

Sample Information
 Sample: Richard C Becker
 Lab PM: Hoffman, Sally
 Phone: (716) 435-8500
 E-Mail: sally.hoffman@testamericainc.com

Carrier Tracking Note:
 OCC No: 480-29186-7868.1
 Page: Page 1 of 1
 Job #:

Analysis Requested

Due Date Requested:
 TAT Requested (days):
 PO #: AOTMed
 Purchase Order not required
 WO #:
 Project #: 48002901
 SSO#:

Sample Identification

Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Ice, Sludge, Sediment, Other)	Special Instructions/Notes
NCR13S	11/8/12	0900	G	Water	X
NCR3S	11/8/12	1000	G	Water	X
NCR4S	11/8/12	1050	G	Water	X
[Redacted]				Water	
[Redacted]				Water	
Field Duplicate	11/8/12	—	G	Water	X
ACL 35 MS	11/8/12	1000	G	Water	Y X
ACL 35 MSD	11/8/12	1000	G	Water	Y X

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:

Relinquished by: Richard C Becker
 Date/Time: 11/8/12

Relinquished by:
 Date/Time:

Relinquished by:
 Date/Time:

Empty Kit Relinquished by:

Relinquished by:
 Date/Time:

Relinquished by:
 Date/Time:

Method of Shipment: hand delivered

Received by: DuPont Enterprises
 Date/Time: 11/8/12
 Company: DuPont Enterprises

Received by: Richard C Becker
 Date/Time: 11/8/12
 Company: DuPont Enterprises

Received by:
 Date/Time:

Received by:
 Date/Time:

Cooler Temperature(s) °C and Other Remarks:
 18.2 #2 Net of

Login Sample Receipt Checklist

Client: N Tonawanda Water Works

Job Number: 480-28155-1

Login Number: 28155

List Source: TestAmerica Buffalo

List Number: 1

Creator: Robitaille, Zach L

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	NTWW
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

WELL PURGING INFORMATION

SITE/PROJECT NAME: Niagara County Refuse Site

DATE: 11/07/12 (MM DD YY)

CREW MEMBERS: RC Becken

PURGING METHOD: Dedicated Bladder Pump

WELL NUMBER: NCR 35

ONE WELL VOLUME: 0.35 gallons

FIVE WELL VOLUMES: 1.75 gallons

(See Section 4.2.4.1 of the OM&M Manual and Table FP-4.1 to calculate well volumes based on current water levels.)

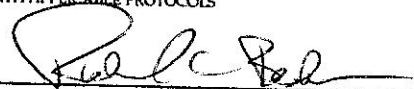
5.77
3.76
0.03

	4.8	5.0	4.8			
WELL VOLUME	1	2	3	4	5	TOT/AVG
VOLUME PURGED (total)	~0.35	~0.16	~0.13	~0.16		12.8 gal
pH	6.35	6.1	5.89	5.93		
TEMPERATURE	52.8	51.6	51.4	51.7		
CONDUCTIVITY	1.03	1.01	1.05	1.04		
TURBIDITY	6.38	7.89	9.3	10.75		
COLOR	clear	clear	clear	clear		
ODOR	none	none	none	none		
COMMENTS	well dry	well dry	well dry	well dry		

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE PROTOCOLS

11/07/12
DATE

Richard C Becken
PRINT NAME


SIGNATURE

FP-4C

WELL PURGING INFORMATION

SITE/PROJECT NAME: Niagara County Refuse Site

DATE: 11/07/12 (MM DD YY)

CREW MEMBERS: RC Becken

PURGING METHOD: Dedicated Bladder Pump

WELL NUMBER: NCR 45

ONE WELL VOLUME: 0.28 gallons

FIVE WELL VOLUMES: _____ gallons

(See Section 4.2.4.1 of the OM&M Manual and Table FP-4.1 to calculate well volumes based on current water levels.)

4.85
3.21
1.64

3.47 3.7 4.09

WELL VOLUME	1	2	3	4	5	TOT/AVG
VOLUME PURGED (total)	~0.28	~0.23	~0.19	~0.12		0.82 gal
pH	6.57	6.48	6.25	6.15		
TEMPERATURE	50.1	49.5	50.3	50.0		
CONDUCTIVITY	1.06	1.04	1.05	1.04		
TURBIDITY	13.1	16.5	15.9	16.97		
COLOR	clear	clear	clear	clear		
ODOR	none	none	none	none		
COMMENTS	well dry	well dry	well dry	well dry		

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE PROTOCOLS

11/07/12
DATE

Richard C Becken
PRINT NAME

[Signature]
SIGNATURE

FP-4C

WELL PURGING INFORMATION

SITE/PROJECT NAME: Niagara County Refuse Site

DATE: 11/07/12 (MM DD YY)

CREW MEMBERS: RC Becker

PURGING METHOD: Dedicated Bladder Pump

WELL NUMBER: NCR 135

ONE WELL VOLUME: 0.23 gallons

FIVE WELL VOLUMES: 1.15 gallons

(See Section 4.2.4.1 of the OM&M Manual and Table FP-4.1 to calculate well volumes based on current water levels.)

WELL VOLUME	1	2	3	4	5	TOT/AVG
VOLUME PURGED (total)	0.23	0.19	0.16			0.58 gal
pH	5.94	6.07	6.17			
TEMPERATURE	53.9	53.4	51.8			
CONDUCTIVITY	1.61	1.25	1.33			
TURBIDITY	9.5	8.1	10.4			
COLOR	clear / none	clear / none	clear / none			
ODOR	none	none	none			
COMMENTS	well dry	well dry	well dry			

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE PROTOCOLS

11/07/12
DATE

Richard C Becker
PRINT NAME

[Signature]
SIGNATURE

FP-4C

well dry

WELL PURGING INFORMATION

SITE/PROJECT NAME: Niagara County Refuse Site

DATE: 11/07/12 (MM DD YY)

CREW MEMBERS: ~~_____~~ Richard C Becker

PURGING METHOD: Dedicated Bladder Pump

WELL NUMBER: DCR 56

ONE WELL VOLUME: _____ gallons

FIVE WELL VOLUMES: _____ gallons

(See Section 4.2.4.1 of the OM&M Manual and Table FP-4.1 to calculate well volumes based on current water levels.)

11.05

WELL VOLUME	1	2	3	4	5	TOT/AVG
VOLUME PURGED (total)						
pH						
TEMPERATURE						
CONDUCTIVITY						
TURBIDITY						
COLOR						
ODOR						
COMMENTS						

I CERTIFY THAT SAMPLING PROCEDURES WERE IN ACCORDANCE WITH APPLICABLE PROTOCOLS

11/07/12
DATE

Richard C Becker
PRINT NAME

[Signature]
SIGNATURE

FP-4C

GROUNDWATER SAMPLING • SAMPLE COLLECTION DATA SHEET

PROJECT NAME: NIAGARA COUNTY REFUSE SITE

SAMPLING CREW MEMBERS: PC Bolton

DATE OF SAMPLE COLLECTION: 11/10/12
(M M D D Y Y)

Sample ID Number	Well Number	Well Volume (Gallons)	Volume Purged (Gallons)	Sample Time	Sample Description	Analysis Required	Chain-of-Custody Number	Shipping Manifest Number
NCR 35	NCR 35	0.35	0.8	1000	annual monitoring well	60108, 70704 metals	480-21181-1161	NA
NCR 45	NCR 45	0.28	0.82	1050	annual monitoring well	60108, 70704 metals	480-21181-1161	12
NCR 55	NCR 55	well dry						
NCR 135	NCR 135	0.23	0.58	0900	annual monitoring well	60108, 70704 metals	480-21181-1161	02
(MS/MSD) *	(MS/MSD) *							
MCE 35	MCE 35			1000	annual monitoring well	60108, 70704 metals	480-21181-1161	DA
(Duplicate) *	(Duplicate) *							
NCR 135	NCR 135			0900	annual monitoring well	60108, 70704 metals	480-21181-1161	NA
(Rinse Blank) *	(Rinse Blank) *							

Note: * QA/QC sample (see QAPP for explanation of how to collect and label these samples). Collect MS/MSD and duplicate from one of the four monitoring wells listed above. Create a unique sample ID for the blind duplicate using NCR 65 for the well number. Write the name of the well where the MS/MSD and duplicate were actually collected in the well number boxes under "MS/MSD" and "Duplicate" above.

Additional Comments:

HP-5A

APPENDIX D
DATA VALIDATION REPORT

**DATA USABILITY SUMMARY REPORT
FOR
NIAGARA COUNTY REFUSE SITE**

Prepared By:

PARSONS

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Syracuse, NY 13212
Phone: (315) 451-9560
Fax: (315) 451-9570

JANUARY 2013

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LIST OF ATTACHMENTS

Attachment A - Validated Laboratory Data

SECTION 1

DATA USABILITY SUMMARY

Groundwater samples were collected from the Niagara County Refuse site in North Tonawanda, New York on November 8, 2012. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Work Plan, and
- USEPA Region II Standard Operating Procedures (SOPs) for organic and inorganic data review.

The analytical laboratory for this project was Test America Laboratory (TAL) in Buffalo, New York. This laboratory is certified to conduct project analyses through the National Environmental Laboratory Accreditation Program (NELAP).

1.1 LABORATORY DATA PACKAGES

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 42 days on average for the groundwater samples.

The data packages received from TAL were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation report in Section 2.

1.2 SAMPLING AND CHAIN-OF-CUSTODY

Groundwater samples were collected, properly preserved, shipped under a COC record, and received at TAL within one day of sampling. All samples were received intact and in good condition at TAL.

1.3 LABORATORY ANALYTICAL METHODS

Groundwater samples were collected from the site and analyzed for metals. Summaries of issues concerning this laboratory analysis are presented in Subsections 1.3.1. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, and comparability (PARCC) are discussed in Section 2. The laboratory data were reviewed and may be qualified with the following validation flags:

- "U" - not detected at the value given,
- "UJ" - estimated and not detected at the value given,
- "J" - estimated at the value given,
- "N" - presumptive evidence at the value given, and
- "R" - unusable value.

The validated laboratory data were tabulated and are presented in Attachment A.

1.3.1 Metals Analysis

Groundwater samples collected from the site were analyzed for metals using the USEPA SW-846 6010B/7470A analytical methods. Certain metals results were considered estimated based upon serial dilutions and field duplicate precision. All of the metals data were considered usable and 100% complete for the groundwater data presented by TAL. PARCC requirements were met.

SECTION 2

DATA VALIDATION REPORT

2.1 GROUNDWATER DATA

Data review has been completed for data packages generated by TAL containing groundwater samples collected from the Niagara County Refuse site. The specific samples contained in these data packages, the analyses performed, and a usability summary, are presented in Table 2.1-1. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The validated laboratory data are presented in Attachment A.

Data validation was performed for all samples in accordance with the most current editions of the USEPA Region II SOPs for organic and inorganic data review. This data validation and usability report is presented by analysis type.

2.1.1 Metals

The following items were reviewed for compliancy in the metals analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration and laboratory preparation blank contamination
- Inductively coupled plasma (ICP) interference check sample (ICS)
- MS/MSD recoveries
- Laboratory duplicate precision
- Laboratory control sample recoveries
- ICP serial dilution
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of serial dilutions and field duplicate precision as discussed below.

Serial Dilutions

All serial dilution results were considered acceptable and less than 10%D with the exception of the serial dilution for potassium (39%D). Therefore, the positive potassium results were considered estimated and qualified “J”.

Field Duplicate Precision

All field duplicate precision results were considered acceptable for the field duplicate pair NCR-13S and FIELD DUPLICATE with the exception of the precision for zinc (67%RPD). Therefore, the zinc results for these samples were considered estimated and qualified “J”.

Usability

All metals sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The metals data presented by TAL were 100% complete with all metals data considered valid and usable. The validated metals laboratory data are tabulated and presented in Attachment A.

TABLE 2.1-1
SUMMARY OF SAMPLE ANALYSES AND USABILITY
NIAGARA COUNTY REFUSE SITE

<u>SAMPLE ID</u>	<u>MATRIX</u>	<u>SAMPLE DATE</u>	<u>METALS</u>
NCR-3S	Water	11/8/12	OK
NCR-4S	Water	11/8/12	OK
NCR-13S	Water	11/8/12	OK
FIELD DUP	Water	11/8/12	OK

4

NOTES: OK - Sample analysis considered valid and usable.

ATTACHMENT A
VALIDATED LABORATORY DATA

City of North Tonawanda NY1A8791 216 Payne Ave North Tonawanda, NY C/O Niagara County Refuse Site Validated Groundwater Sampling Event November 2012		Sample ID:	NCR-3S	NCR-4S	NCR-13S	Dup of NCR-13
		Lab Sample Id:	480-28155-2	480-28155-3	480-28155-1	Field Duplicate
		Source:	TAL-Buffalo	TAL-Buffalo	TAL-Buffalo	480-28155-4
		SDG:	480-28155	480-28155	480-28155	TAL-Buffalo
		Matrix:	WATER	WATER	WATER	480-28155
		Sampled:	11/8/2012	11/8/2012	11/8/2012	WATER
		Validated:	1/4/2013	1/4/2013	1/4/2013	11/8/2012
CAS NO.	COMPOUND	UNITS:				1/4/2013
	METALS					
7429-90-5	Aluminum	ug/L	61 J	400	150 J	180 J
7440-36-0	Antimony	ug/L	6.8 U	6.8 U	6.8 U	6.8 U
7440-39-3	Barium	ug/L	51	61	42	43
7440-41-7	Beryllium	ug/L	0.3 U	0.3 U	0.3 U	1.2 J
7440-43-9	Cadmium	ug/L	0.7 J	0.5 U	0.6 J	0.53 J
7440-70-2	Calcium	ug/L	135000	137000	147000	148000
7440-47-3	Chromium	ug/L	3.5 J	2.1 J	3.3 J	3.5 J
7440-48-4	Cobalt	ug/L	0.63 U	0.63 U	0.63 U	0.63 U
7440-50-8	Copper	ug/L	7 J	2.5 J	5.3 J	4.7 J
7439-89-6	Iron	ug/L	320	1400	380	310
7439-92-1	Lead	ug/L	3.8 J	3 U	3 U	3 U
7439-95-4	Magnesium	ug/L	79200	43600	56900	57900
7439-96-5	Manganese	ug/L	7	4.4	3.7	2.3 J
7440-02-0	Nickel	ug/L	6.8 J	1.6 J	3.9 J	3.7 J
2023695	Potassium	ug/L	3500 J	23600 J	2500 J	1900 J
7782-49-2	Selenium	ug/L	8.7 U	8.7 U	8.7 U	8.7 U
7440-22-4	Silver	ug/L	1.7 U	1.7 U	1.7 U	1.7 U
7439-97-6	Mercury	ug/L	0.12 U	0.12 U	0.12 U	0.12 U
7440-23-5	Sodium	ug/L	9700	37300	20100	20500
7440-28-0	Thallium	ug/L	10 U	10 U	10 U	10 U
7440-62-2	Vanadium	ug/L	1.5 U	1.5 U	1.5 U	1.5 U
7440-66-6	Zinc	ug/L	38	63	30 J	15 J

APPENDIX E
MONTHLY INSPECTION LOGS AND PHOTOGRAPHS

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 1/5/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
1 Perimeter collection System/Off-Site Forcemain			
<input type="checkbox"/>	Manholes	- cover on securely	<u>yes</u>
		- condition of cover	<u>good</u>
		- condition of inside of manhole	<u>good</u>
		- flow conditions	<u>no apparent flow</u>
<input type="checkbox"/>	Wet Wells	- cover on securely	<u>yes</u>
		- condition of cover	<u>good</u>
		- condition of inside of wet well	<u>good</u>
2 Landfill Cap			
<input type="checkbox"/>	Vegetated Soil Cover	- erosion	<u>none</u>
		- bare areas	<u>none</u>
		- washouts	<u>none</u>
		- leachate seeps	<u>none</u>
		- length of vegetation	<u>short</u>
		- dead/dying vegetation	<u>winter kill</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 1/5/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
2 Landfill Cap (continued)			
<input type="checkbox"/>	Access Roads	- bare areas, dead/dying veg.	<u>none</u>
<input type="checkbox"/>		- erosion	<u>none</u>
<input type="checkbox"/>		- potholes or puddles	<u>none</u>
<input type="checkbox"/>		- obstruction	<u>none</u>
3 Wetlands (Area "F")			
		- dead/dying vegetation	<u>winter kill</u>
		- change in water budget	<u>normal</u>
		- general conditions of wetlands	<u>good</u>
4 Other Site Systems			
<input type="checkbox"/>	Perimeter Fence	- integrity of fence	<u>good</u>
<input type="checkbox"/>		- integrity of gates	<u>good</u>
<input type="checkbox"/>		- integrity of locks	<u>good</u>
<input type="checkbox"/>		- placement and condition of signs	<u>good</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 1/5/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
4 Other Site Systems (continued)			
<input type="checkbox"/> Drainage Ditches/	- sediment buildup	<u>none</u>	<u></u>
<input type="checkbox"/> Swale Outlets	- erosion	<u>none</u>	<u></u>
<input type="checkbox"/>	- condition of erosion protection	<u>good</u>	<u></u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u></u>
<input type="checkbox"/>	- dead/dying vegetation	<u>winter kill</u>	<u></u>
<input type="checkbox"/>	- cable concrete/gabion mats and riprap	<u>good condition</u>	<u></u>
<input type="checkbox"/> Culverts	- sediment build-up	<u>none</u>	<u></u>
<input type="checkbox"/>	- erosion	<u>none</u>	<u></u>
<input type="checkbox"/>	- condition of erosion protection	<u>good</u>	<u></u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u></u>
<input type="checkbox"/> Gas Vents	- intact/damage	<u>intact</u>	<u></u>
<input type="checkbox"/> Wells	- locks secure	<u>yes</u>	<u></u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 2/6/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
1 Perimeter collection System/Off-Site Forcemain			
<input type="checkbox"/>	Manholes	- cover on securely	<u>yes</u>
		- condition of cover	<u>good</u>
		- condition of inside of manhole	<u>good</u>
		- flow conditions	<u>no apparent flow</u>
<input type="checkbox"/>	Wet Wells	- cover on securely	<u>yes</u>
		- condition of cover	<u>good</u>
		- condition of inside of wet well	<u>good</u>
2 Landfill Cap			
<input type="checkbox"/>	Vegetated Soil Cover	- erosion	<u>none</u>
		- bare areas	<u>none</u>
		- washouts	<u>none</u>
		- leachate seeps	<u>none</u>
		- length of vegetation	<u>short</u>
		- dead/dying vegetation	<u>winter kill</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 2/6/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
2 Landfill Cap (continued)			
<input type="checkbox"/>	Access Roads	- bare areas, dead/dying veg.	<u>none</u>
<input type="checkbox"/>		- erosion	<u>none</u>
<input type="checkbox"/>		- potholes or puddles	<u>none</u>
<input type="checkbox"/>		- obstruction	<u>none</u>
3 Wetlands (Area "F")			
		- dead/dying vegetation	<u>winter kill</u>
		- change in water budget	<u>low</u>
		- general conditions of wetlands	<u>good</u>
4 Other Site Systems			
<input type="checkbox"/>	Perimeter Fence	- integrity of fence	<u>good</u>
<input type="checkbox"/>		- integrity of gates	<u>good</u>
<input type="checkbox"/>		- integrity of locks	<u>good</u>
<input type="checkbox"/>		- placement and condition of signs	<u>good</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 2/6/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
4 Other Site Systems (continued)			
<input type="checkbox"/>	Drainage Ditches/	- sediment buildup	<u>none</u>
<input type="checkbox"/>	Swale Outlets	- erosion	<u>none</u>
<input type="checkbox"/>		- condition of erosion protection	<u>good</u>
<input type="checkbox"/>		- flow obstructions	<u>none</u>
<input type="checkbox"/>		- dead/dying vegetation	<u>winter kill</u>
<input type="checkbox"/>		- cable concrete/gabion mats and riprap	<u>good condition</u>
<input type="checkbox"/>	Culverts	- sediment build-up	<u>none</u>
<input type="checkbox"/>		- erosion	<u>none</u>
<input type="checkbox"/>		- condition of erosion protection	<u>good</u>
<input type="checkbox"/>		- flow obstructions	<u>none</u>
<input type="checkbox"/>	Gas Vents	- intact/damage	<u>intact</u>
<input type="checkbox"/>	Wells	- locks secure	<u>yes</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 3/1/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
1 Perimeter collection System/Off-Site Forcemain			
<input type="checkbox"/>	Manholes	- cover on securely	<u>yes</u>
		- condition of cover	<u>good</u>
		- condition of inside of manhole	<u>good</u>
		- flow conditions	<u>no apparent flow</u>
<input type="checkbox"/>	Wet Wells	- cover on securely	<u>yes</u>
		- condition of cover	<u>good</u>
		- condition of inside of wet well	<u>good</u>
2 Landfill Cap			
<input type="checkbox"/>	Vegetated Soil Cover	- erosion	<u>none</u>
		- bare areas	<u>none</u>
		- washouts	<u>none</u>
		- leachate seeps	<u>none</u>
		- length of vegetation	<u>short</u>
		- dead/dying vegetation	<u>winter kill</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 3/1/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
2 Landfill Cap (continued)			
<input type="checkbox"/>	Access Roads	- bare areas, dead/dying veg.	none
<input type="checkbox"/>		- erosion	none
<input type="checkbox"/>		- potholes or puddles	none
<input type="checkbox"/>		- obstruction	none
3 Wetlands (Area "F")			
		- dead/dying vegetation	winter kill
		- change in water budget	normal
		- general conditions of wetlands	good
4 Other Site Systems			
<input type="checkbox"/>	Perimeter Fence	- integrity of fence	good
<input type="checkbox"/>		- integrity of gates	good
<input type="checkbox"/>		- integrity of locks	good
<input type="checkbox"/>		- placement and condition of signs	good

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 3/1/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
4 Other Site Systems (continued)			
<input type="checkbox"/> Drainage Ditches/	- sediment buildup	<u>none</u>	<u></u>
<input type="checkbox"/> Swale Outlets	- erosion	<u>none</u>	<u></u>
<input type="checkbox"/>	- condition of erosion protection	<u>good</u>	<u></u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u></u>
<input type="checkbox"/>	- dead/dying vegetation	<u>winter kill</u>	<u></u>
<input type="checkbox"/>	- cable concrete/gabion mats and riprap	<u>good condition</u>	<u></u>
<input type="checkbox"/> Culverts	- sediment build-up	<u>none</u>	<u></u>
<input type="checkbox"/>	- erosion	<u>none</u>	<u></u>
<input type="checkbox"/>	- condition of erosion protection	<u>good</u>	<u></u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u></u>
<input type="checkbox"/> Gas Vents	- intact/damage	<u>intact</u>	<u></u>
<input type="checkbox"/> Wells	- locks secure	<u>yes</u>	<u></u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 4/12/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>	
1 Perimeter collection System/Off-Site Forcemain				
<input type="checkbox"/>	Manholes	- cover on securely	<u>none</u>	<u>yes</u>
		- condition of cover	<u>none</u>	<u>good</u>
		- condition of inside of manhole	<u>none</u>	<u>good</u>
		- flow conditions	<u>none</u>	<u>no apparent flow</u>
<input type="checkbox"/>	Wet Wells	- cover on securely	<u>none</u>	<u>yes</u>
		- condition of cover	<u>none</u>	<u>good</u>
		- condition of inside of wet well	<u>ww-c needs new discharge hose</u>	<u>good</u>
2 Landfill Cap				
<input type="checkbox"/>	Vegetated Soil Cover	- erosion	<u>none</u>	<u>none</u>
		- bare areas	<u>none</u>	<u>no</u>
		- washouts	<u>none</u>	<u>none</u>
		- leachate seeps	<u>none</u>	<u>none</u>
		- length of vegetation	<u>none</u>	<u>short</u>
		- dead/dying vegetation	<u>none</u>	<u>none</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 4/12/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
2 Landfill Cap (continued)			
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Access Roads	- bare areas, dead/dying veg.	<u>none</u>
		- erosion	<u>none</u>
		- potholes or puddles	<u>none</u>
		- obstruction	<u>none</u>
3 Wetlands (Area "F")			
	- dead/dying vegetation	<u>none</u>	<u>normal early spring</u>
	- change in water budget	<u>none</u>	<u>normal</u>
	- general conditions of wetlands	<u>none</u>	<u>good</u>
4 Other Site Systems			
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Perimeter Fence	- integrity of fence	<u>good</u>
		- integrity of gates	<u>good</u>
		- integrity of locks	<u>good</u>
		- placement and condition of signs	<u>good</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 4/12/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
4 Other Site Systems (continued)			
<input type="checkbox"/> Drainage Ditches/	- sediment buildup	<u>none</u>	<u>none</u>
<input type="checkbox"/> Swale Outlets	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- dead/dying vegetation	<u>none</u>	<u>normal early spring con.</u>
<input type="checkbox"/>	- cable concrete/gabion mats and riprap	<u>none</u>	<u>good</u>
<input type="checkbox"/> Culverts	- sediment build-up	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/> Gas Vents	- intact/damage	<u>none</u>	<u>intact</u>
<input type="checkbox"/> Wells	- locks secure	<u>none</u>	<u>yes</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 5/1/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>	
1 Perimeter collection System/Off-Site Forcemain				
<input type="checkbox"/>	Manholes	- cover on securely	<u>none</u>	<u>yes</u>
		- condition of cover	<u>none</u>	<u>good</u>
		- condition of inside of manhole	<u>none</u>	<u>good</u>
		- flow conditions	<u>none</u>	<u>no apparent flow</u>
<input type="checkbox"/>	Wet Wells	- cover on securely	<u>none</u>	<u>yes</u>
		- condition of cover	<u>none</u>	<u>good</u>
		- condition of inside of wet well	<u>wet well A high level</u>	<u>good</u>
2 Landfill Cap				
<input type="checkbox"/>	Vegetated Soil Cover	- erosion	<u>none</u>	<u>none</u>
		- bare areas	<u>none</u>	<u>no</u>
		- washouts	<u>none</u>	<u>none</u>
		- leachate seeps	<u>none</u>	<u>none</u>
		- length of vegetation	<u>none</u>	<u>short</u>
		- dead/dying vegetation	<u>none</u>	<u>none</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 5/1/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
2 Landfill Cap (continued)			
<input type="checkbox"/>	Access Roads	- bare areas, dead/dying veg.	<u>none</u>
<input type="checkbox"/>		- erosion	<u>none</u>
<input type="checkbox"/>		- potholes or puddles	<u>none</u>
<input type="checkbox"/>		- obstruction	<u>none</u>
3 Wetlands (Area "F")			
		- dead/dying vegetation	<u>none</u>
		- change in water budget	<u>normal</u>
		- general conditions of wetlands	<u>good</u>
4 Other Site Systems			
<input type="checkbox"/>	Perimeter Fence	- integrity of fence	<u>good</u>
<input type="checkbox"/>		- integrity of gates	<u>good</u>
<input type="checkbox"/>		- integrity of locks	<u>good</u>
<input type="checkbox"/>		- placement and condition of signs	<u>good</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 5/1/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
4 Other Site Systems (continued)			
<input type="checkbox"/> Drainage Ditches/	- sediment buildup	<u>none</u>	<u>none</u>
<input type="checkbox"/> Swale Outlets	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- dead/dying vegetation	<u>none</u>	<u>normal early spring conditions</u>
<input type="checkbox"/>	- cable concrete/gabion mats and riprap	<u>none</u>	<u>good</u>
<input type="checkbox"/> Culverts	- sediment build-up	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/> Gas Vents	- intact/damage	<u>none</u>	<u>intact</u>
<input type="checkbox"/> Wells	- locks secure	<u>none</u>	<u>yes</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 6/4/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>	
1 Perimeter collection System/Off-Site Forcemain				
<input type="checkbox"/>	Manholes	- cover on securely	<u>none</u>	<u>yes</u>
		- condition of cover	<u>none</u>	<u>good condition</u>
		- condition of inside of manhole	<u>none</u>	<u>good condition</u>
		- flow conditions	<u>none</u>	<u>no apparent flow</u>
<input type="checkbox"/>	Wet Wells	- cover on securely	<u>none</u>	<u>yes</u>
		- condition of cover	<u>none</u>	<u>good condition</u>
		- condition of inside of wet well	<u>none</u>	<u>good condition</u>
2 Landfill Cap				
<input type="checkbox"/>	Vegetated Soil Cover	- erosion	<u>none</u>	<u>none</u>
		- bare areas	<u>none</u>	<u>none</u>
		- washouts	<u>none</u>	<u>none</u>
		- leachate seeps	<u>none</u>	<u>none</u>
		- length of vegetation	<u>none</u>	<u>tall</u>
		- dead/dying vegetation	<u>none</u>	<u>none</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 6/4/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
2 Landfill Cap (continued)			
<input type="checkbox"/>	Access Roads	- bare areas, dead/dying veg.	<u>none</u>
<input type="checkbox"/>		- erosion	<u>none</u>
<input type="checkbox"/>		- potholes or puddles	<u>none</u>
<input type="checkbox"/>		- obstruction	<u>none</u>
3 Wetlands (Area "F")			
		- dead/dying vegetation	<u>none</u>
		- change in water budget	<u>normal</u>
		- general conditions of wetlands	<u>good condition</u>
4 Other Site Systems			
<input type="checkbox"/>	Perimeter Fence	- integrity of fence	<u>good condition</u>
<input type="checkbox"/>		- integrity of gates	<u>good condition</u>
<input type="checkbox"/>		- integrity of locks	<u>good condition</u>
<input type="checkbox"/>		- placement and condition of signs	<u>good condition</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 6/4/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
4 Other Site Systems (continued)			
<input type="checkbox"/> Drainage Ditches/	- sediment buildup	<u>none</u>	<u>none</u>
<input type="checkbox"/> Swale Outlets	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- condition of erosion protection	<u>none</u>	<u>good condition</u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- dead/dying vegetation	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- cable concrete/gabion mats and riprap	<u>none</u>	<u>good condition</u>
<input type="checkbox"/> Culverts	- sediment build-up	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- condition of erosion protection	<u>none</u>	<u>good condition</u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/> Gas Vents	- intact/damage	<u>none</u>	<u>intact</u>
<input type="checkbox"/> Wells	- locks secure	<u>none</u>	<u>yes</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 7/13/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>	
1 Perimeter collection System/Off-Site Forcemain				
<input type="checkbox"/>	Manholes	- cover on securely	<u>none</u>	<u>yes</u>
		- condition of cover	<u>none</u>	<u>good condition</u>
		- condition of inside of manhole	<u>none</u>	<u>good condition</u>
		- flow conditions	<u>none</u>	<u>no apparent flow</u>
<input type="checkbox"/>	Wet Wells	- cover on securely	<u>none</u>	<u>yes</u>
		- condition of cover	<u>none</u>	<u>good condition</u>
		- condition of inside of wet well	<u>none</u>	<u>good condition</u>
2 Landfill Cap				
<input type="checkbox"/>	Vegetated Soil Cover	- erosion	<u>none</u>	<u>none</u>
		- bare areas	<u>none</u>	<u>none</u>
		- washouts	<u>none</u>	<u>none</u>
		- leachate seeps	<u>none</u>	<u>none</u>
		- length of vegetation	<u>none</u>	<u>tall</u>
		- dead/dying vegetation	<u>none</u>	<u>very dry</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 7/13/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>	
2 Landfill Cap (continued)				
<input type="checkbox"/>	Access Roads	- bare areas, dead/dying veg.	<u>none</u>	<u>very dry</u>
<input type="checkbox"/>		- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- potholes or puddles	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- obstruction	<u>none</u>	<u>none</u>
3 Wetlands (Area "F")				
		- dead/dying vegetation	<u>none</u>	<u>none</u>
		- change in water budget	<u>none</u>	<u>low</u>
		- general conditions of wetlands	<u>none</u>	<u>good condition</u>
4 Other Site Systems				
<input type="checkbox"/>	Perimeter Fence	- integrity of fence	<u>none</u>	<u>good condition</u>
<input type="checkbox"/>		- integrity of gates	<u>none</u>	<u>good condition</u>
<input type="checkbox"/>		- integrity of locks	<u>none</u>	<u>good condition</u>
<input type="checkbox"/>		- placement and condition of signs	<u>none</u>	<u>good condition</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 7/13/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>	
4 Other Site Systems (continued)				
<input type="checkbox"/>	Drainage Ditches/	- sediment buildup	<u>none</u>	<u>none</u>
<input type="checkbox"/>	Swale Outlets	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- condition of erosion protection	<u>none</u>	<u>good condition</u>
<input type="checkbox"/>		- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- dead/dying vegetation	<u>none</u>	<u>very dry</u>
<input type="checkbox"/>		- cable concrete/gabion mats and riprap	<u>none</u>	<u>good condition</u>
<input type="checkbox"/>	Culverts	- sediment build-up	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- condition of erosion protection	<u>none</u>	<u>good condition</u>
<input type="checkbox"/>		- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/>	Gas Vents	- intact/damage	<u>none</u>	<u>intact</u>
<input type="checkbox"/>	Wells	- locks secure	<u>none</u>	<u>yes</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 8/2/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>	
1 Perimeter collection System/Off-Site Forcemain				
<input type="checkbox"/>	Manholes	- cover on securely	<u>none</u>	<u>yes</u>
		- condition of cover	<u>none</u>	<u>good</u>
		- condition of inside of manhole	<u>none</u>	<u>good</u>
		- flow conditions	<u>none</u>	<u>no flow</u>
<input type="checkbox"/>	Wet Wells	- cover on securely	<u>none</u>	<u>yes</u>
		- condition of cover	<u>none</u>	<u>good</u>
		- condition of inside of wet well	<u>none</u>	<u>good</u>
2 Landfill Cap				
<input type="checkbox"/>	Vegetated Soil Cover	- erosion	<u>none</u>	<u>none</u>
		- bare areas	<u>none</u>	<u>none</u>
		- washouts	<u>none</u>	<u>none</u>
		- leachate seeps	<u>none</u>	<u>none</u>
		- length of vegetation	<u>none</u>	<u>normal</u>
		- dead/dying vegetation	<u>none</u>	<u>dry weather conditions</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 8/2/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>	
2 Landfill Cap (continued)				
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Access Roads	- bare areas, dead/dying veg.	<u>none</u>	<u>dry weather conditions</u>
		- erosion	<u>none</u>	<u>none</u>
		- potholes or puddles	<u>none</u>	<u>none</u>
		- obstruction	<u>none</u>	<u>none</u>
3 Wetlands (Area "F")				
	- dead/dying vegetation	<u>none</u>	<u>dry weather conditions</u>	
	- change in water budget	<u>none</u>	<u>low</u>	
	- general conditions of wetlands	<u>none</u>	<u>OK</u>	
4 Other Site Systems				
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Perimeter Fence	- integrity of fence	<u>none</u>	<u>good</u>
		- integrity of gates	<u>none</u>	<u>good</u>
		- integrity of locks	<u>none</u>	<u>good</u>
		- placement and condition of signs	<u>none</u>	<u>good</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 8/2/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>	
4 Other Site Systems (continued)				
<input type="checkbox"/>	Drainage Ditches/	- sediment buildup	<u>none</u>	<u>none</u>
<input type="checkbox"/>	Swale Outlets	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>		- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- dead/dying vegetation	<u>none</u>	<u>dry weather conditions</u>
<input type="checkbox"/>		- cable concrete/gabion mats and riprap	<u>none</u>	<u>good</u>
<input type="checkbox"/>	Culverts	- sediment build-up	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>		- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/>	Gas Vents	- intact/damage	<u>none</u>	<u>intact</u>
<input type="checkbox"/>	Wells	- locks secure	<u>none</u>	<u>yes</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 9/4/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>	
1 Perimeter collection System/Off-Site Forcemain				
<input type="checkbox"/>	Manholes	- cover on securely	<u>none</u>	<u>yes</u>
		- condition of cover	<u>none</u>	<u>good</u>
		- condition of inside of manhole	<u>none</u>	<u>good</u>
		- flow conditions	<u>none</u>	<u>no flow</u>
<input type="checkbox"/>	Wet Wells	- cover on securely	<u>none</u>	<u>yes</u>
		- condition of cover	<u>none</u>	<u>good</u>
		- condition of inside of wet well	<u>none</u>	<u>good</u>
2 Landfill Cap				
<input type="checkbox"/>	Vegetated Soil Cover	- erosion	<u>none</u>	<u>none</u>
		- bare areas	<u>none</u>	<u>none</u>
		- washouts	<u>none</u>	<u>none</u>
		- leachate seeps	<u>none</u>	<u>none</u>
		- length of vegetation	<u>none</u>	<u>medium</u>
		- dead/dying vegetation	<u>none</u>	<u>extremely dry</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 9/4/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
2 Landfill Cap (continued)			
<input type="checkbox"/>	Access Roads	- bare areas, dead/dying veg.	<u>none</u>
<input type="checkbox"/>		- erosion	<u>none</u>
<input type="checkbox"/>		- potholes or puddles	<u>none</u>
<input type="checkbox"/>		- obstruction	<u>none</u>
3 Wetlands (Area "F")			
		- dead/dying vegetation	<u>none</u>
		- change in water budget	<u>low</u>
		- general conditions of wetlands	<u>fair</u>
4 Other Site Systems			
<input type="checkbox"/>	Perimeter Fence	- integrity of fence	<u>good</u>
<input type="checkbox"/>		- integrity of gates	<u>good</u>
<input type="checkbox"/>		- integrity of locks	<u>good</u>
<input type="checkbox"/>		- placement and condition of signs	<u>good</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 9/4/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>	
4 Other Site Systems (continued)				
<input type="checkbox"/>	Drainage Ditches/	- sediment buildup	<u>none</u>	<u>none</u>
<input type="checkbox"/>	Swale Outlets	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>		- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- dead/dying vegetation	<u>none</u>	<u>extremely dry</u>
<input type="checkbox"/>		- cable concrete/gabion mats and riprap	<u>none</u>	<u>good</u>
<input type="checkbox"/>	Culverts	- sediment build-up	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>		- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/>	Gas Vents	- intact/damage	<u>none</u>	<u>intact</u>
<input type="checkbox"/>	Wells	- locks secure	<u>none</u>	<u>yes</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 10/8/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>	
1 Perimeter collection System/Off-Site Forcemain				
<input type="checkbox"/>	Manholes	- cover on securely	<u>none</u>	<u>yes</u>
		- condition of cover	<u>none</u>	<u>good</u>
		- condition of inside of manhole	<u>none</u>	<u>good</u>
		- flow conditions	<u>none</u>	<u>no apparent flow</u>
<input type="checkbox"/>	Wet Wells	- cover on securely	<u>none</u>	<u>yes</u>
		- condition of cover	<u>none</u>	<u>good</u>
		- condition of inside of wet well	<u>none</u>	<u>good</u>
2 Landfill Cap				
<input type="checkbox"/>	Vegetated Soil Cover	- erosion	<u>none</u>	<u>none</u>
		- bare areas	<u>none</u>	<u>none</u>
		- washouts	<u>none</u>	<u>none</u>
		- leachate seeps	<u>none</u>	<u>none</u>
		- length of vegetation	<u>none</u>	<u>normal</u>
		- dead/dying vegetation	<u>none</u>	<u>normal</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 10/8/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
2 Landfill Cap (continued)			
<input type="checkbox"/>	Access Roads	- bare areas, dead/dying veg.	<u>none</u>
<input type="checkbox"/>		- erosion	<u>none</u>
<input type="checkbox"/>		- potholes or puddles	<u>none</u>
<input type="checkbox"/>		- obstruction	<u>none</u>
3 Wetlands (Area "F")			
		- dead/dying vegetation	<u>none</u>
		- change in water budget	<u>low</u>
		- general conditions of wetlands	<u>good</u>
4 Other Site Systems			
<input type="checkbox"/>	Perimeter Fence	- integrity of fence	<u>good</u>
<input type="checkbox"/>		- integrity of gates	<u>good</u>
<input type="checkbox"/>		- integrity of locks	<u>good</u>
<input type="checkbox"/>		- placement and condition of signs	<u>good</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 10/8/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>	
4 Other Site Systems (continued)				
<input type="checkbox"/>	Drainage Ditches/	- sediment buildup	<u>none</u>	<u>none</u>
<input type="checkbox"/>	Swale Outlets	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>		- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- dead/dying vegetation	<u>none</u>	<u>normal</u>
<input type="checkbox"/>		- cable concrete/gabion mats and riprap	<u>none</u>	<u>good</u>
<input type="checkbox"/>	Culverts	- sediment build-up	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>		- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/>	Gas Vents	- intact/damage	<u>none</u>	<u>intact</u>
<input type="checkbox"/>	Wells	- locks secure	<u>none</u>	<u>yes</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 11/12/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
1 Perimeter collection System/Off-Site Forcemain			
<input type="checkbox"/> Manholes	- cover on securely	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- condition of cover	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- condition of inside of manhole	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- flow conditions	<u>none</u>	<u>no apparent flow</u>
Wet Wells			
<input type="checkbox"/>	- cover on securely	<u>none</u>	<u>yes</u>
<input type="checkbox"/>	- condition of cover	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- condition of inside of wet well	<u>none</u>	<u>good</u>
2 Landfill Cap			
<input type="checkbox"/> Vegetated Soil Cover	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- bare areas	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- washouts	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- leachate seeps	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- length of vegetation	<u>none</u>	<u>short</u>
<input type="checkbox"/>	- dead/dying vegetation	<u>none</u>	<u>none</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 11/12/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
2 Landfill Cap (continued)			
<input type="checkbox"/>	Access Roads	- bare areas, dead/dying veg.	<u>none</u>
<input type="checkbox"/>		- erosion	<u>none</u>
<input type="checkbox"/>		- potholes or puddles	<u>none</u>
<input type="checkbox"/>		- obstruction	<u>none</u>
3 Wetlands (Area "F")			
		- dead/dying vegetation	<u>none</u>
		- change in water budget	<u>low/normal</u>
		- general conditions of wetlands	<u>good</u>
4 Other Site Systems			
<input type="checkbox"/>	Perimeter Fence	- integrity of fence	<u>good</u>
<input type="checkbox"/>		- integrity of gates	<u>good</u>
<input type="checkbox"/>		- integrity of locks	<u>good</u>
<input type="checkbox"/>		- placement and condition of signs	<u>good</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 11/12/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>	
4 Other Site Systems (continued)				
<input type="checkbox"/>	Drainage Ditches/	- sediment buildup	<u>none</u>	<u>none</u>
<input type="checkbox"/>	Swale Outlets	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>		- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- dead/dying vegetation	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- cable concrete/gabion mats and riprap	<u>none</u>	<u>good condition</u>
<input type="checkbox"/>	Culverts	- sediment build-up	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>		- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>		- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/>	Gas Vents	- intact/damage	<u>none</u>	<u>intact</u>
<input type="checkbox"/>	Wells	- locks secure	<u>none</u>	<u>yes</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 12/10/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
1 Perimeter collection System/Off-Site Forcemain			
<input type="checkbox"/> Manholes	- cover on securely	<u>none</u>	<u>yes</u>
<input type="checkbox"/>	- condition of cover	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- condition of inside of manhole	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- flow conditions	<u>none</u>	<u>no apparent flow</u>
Wet Wells			
<input type="checkbox"/>	- cover on securely	<u>none</u>	<u>yes</u>
<input type="checkbox"/>	- condition of cover	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- condition of inside of wet well	<u>none</u>	<u>good</u>
2 Landfill Cap			
<input type="checkbox"/> Vegetated Soil Cover	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- bare areas	<u>none</u>	<u>no</u>
<input type="checkbox"/>	- washouts	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- leachate seeps	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- length of vegetation	<u>none</u>	<u>normal early winter</u>
<input type="checkbox"/>	- dead/dying vegetation	<u>none</u>	<u>none</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 12/10/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
2 Landfill Cap (continued)			
<input type="checkbox"/>	Access Roads	- bare areas, dead/dying veg.	none
<input type="checkbox"/>		- erosion	none
<input type="checkbox"/>		- potholes or puddles	none
<input type="checkbox"/>		- obstruction	none
3 Wetlands (Area "F")			
		- dead/dying vegetation	none
		- change in water budget	none
		- general conditions of wetlands	none
4 Other Site Systems			
<input type="checkbox"/>	Perimeter Fence	- integrity of fence	none
<input type="checkbox"/>		- integrity of gates	none
<input type="checkbox"/>		- integrity of locks	none
<input type="checkbox"/>		- placement and condition of signs	none

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 12/10/2012
(MM DD YY)

INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
4 Other Site Systems (continued)			
<input type="checkbox"/>	Drainage Ditches/	- sediment buildup	none
<input type="checkbox"/>	Swale Outlets	- erosion	none
<input type="checkbox"/>		- condition of erosion protection	good
<input type="checkbox"/>		- flow obstructions	none
<input type="checkbox"/>		- dead/dying vegetation	normal early winter
<input type="checkbox"/>		- cable concrete/gabion mats and riprap	good
<input type="checkbox"/>	Culverts	- sediment build-up	none
<input type="checkbox"/>		- erosion	none
<input type="checkbox"/>		- condition of erosion protection	good
<input type="checkbox"/>		- flow obstructions	none
<input type="checkbox"/>	Gas Vents	- intact/damage	intact
<input type="checkbox"/>	Wells	- locks secure	yes



Photo 1: South end of landfill facing northeast.



Photo 2: Taken from east side of landfill facing north.

APPENDIX F
MAINTENANCE RECORD LOGS

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 2/7/2012

Time 900

Scheduled/Unscheduled:

Type of Maintenance Performed: perform maintenance on pumps

2. Company Performing Maintenance _____

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr.

North Tonawanda, NY 14120

Contact Name: Rick Becken

3. Methods Used:

Pull pump from well, clean and check pump amperage, return pump to well.

Description of Material Removed:

None

Problems/Comments:

None

2/7/2012 RC Becken
DATE INSPECTOR INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 2/21/2012

Time 900

Scheduled/Unscheduled:

Type of Maintenance Performed: pump maintenance

2. Company Performing Maintenance

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr.

North Tonawanda, NY 14120

Contact Name: Rick Becken

3. Methods Used:

pull, check and clean wet well pumps

Description of Material Removed:

none

Problems/Comments:

None

2/21/2012
DATE

RC Becken
INSPECTOR

INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 3/1/2012

Time 12:20

Scheduled/Unscheduled: scheduled

Type of Maintenance Performed: Cut brush near fence

2. Company Performing Maintenance _____

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr

North Tonawanda, NY

Contact Name: Rick Becken

3. Methods Used:

lopers and chain saw

Description of Material Removed:

brush

Problems/Comments:

none

DATE

3/1/2012

INSPECTOR

RC Becken

INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 4/12/2012

Time 1245

Scheduled/Unscheduled:

Type of Maintenance Performed: pump and discharge hose replacement at WWC

2. Company Performing Maintenance _____

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr.

North Tonawanda, NY 14120

Contact Name: Rick Becken

3. Methods Used:

pulled pump at Wet Well C and replaced with backup pump and hose

old discharge hose had a hole in it

Description of Material Removed:

hose

Problems/Comments:

None

4/12/2012
DATE

RC Becken
INSPECTOR

INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 4/19/2012

Time 1700

Scheduled/Unscheduled:

Type of Maintenance Performed: open gate for Nationalgrid

2. Company Performing Maintenance _____

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr.

North Tonawanda, NY 14120

Contact Name: Rick Becken

3. Methods Used:

Nationalgrid needed to change electric gate switches on power pole

inside landfill near back of control shed

Description of Material Removed:

none

Problems/Comments:

None

DATE

INSPECTOR

INSPECTOR'S SIGNATURE

4/19/2012 RC Becken

FORM 2

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 4/25/2012

Time 930

Scheduled/Unscheduled:

Type of Maintenance Performed: cut brush and trees on fence line

2. Company Performing Maintenance _____

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr.

North Tonawanda, NY 14120

Contact Name: Rick Becken

3. Methods Used:

Brush cutters and chain saw

Description of Material Removed:

None

Problems/Comments:

None

4/25/2012
DATE

RC Becken
INSPECTOR

INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 5/1/2012

Time

Scheduled/Unscheduled:

Type of Maintenance Performed: unscheduled

2. Company Performing Maintenance replace pump in wet well A

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr

North Tonawanda, NY

Contact Name: Rick Becken

3. Methods Used:

lift old pump out , remove, install replacement pump

Description of Material Removed:

pump and motor

Problems/Comments:

DATE

5/1/2012

INSPECTOR

RC Becken

INSPECTOR'S SIGNATURE

FORM 2

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 5/18/2012

Time

Scheduled/Unscheduled: scheduled

Type of Maintenance Performed: mowing

2. Company Performing Maintenance

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr

North Tonawanda, NY

Contact Name: Rick Becken

3. Methods Used:

mowed around perimeter

fence and wells

Description of Material Removed:

none

Problems/Comments:

none

DATE

INSPECTOR

INSPECTOR'S SIGNATURE

5/18/2012 RC Becken

FORM 2

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 8/2/2012

Time 9:00

Scheduled/Unschedule scheduled

Type of Maintenance Performed: mowed grass near fence line

2. Company Performing Maintenance _____

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr

North Tonawanda, NY

Contact Name: Rick Becken

3. Methods Used:

tractor and mower

Description of Material Removed:

none

Problems/Comments:

none

8/2/2012
DATE

RC Becken
INSPECTOR

INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 8/7/2012

Time 900

Scheduled/Unscheduled:

Type of Maintenance Performed: oversite for contractor

2. Company Performing Maintenance

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr.

North Tonawanda, NY 14120

Contact Name: Rick Becken

3. Methods Used:

allow town contractor in gate to excavate waterline

Description of Material Removed:

none

Problems/Comments:

None

8/7/2012
DATE

RC Becken
INSPECTOR

INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 8/9/2012

Time 915

Scheduled/Unscheduled:

Type of Maintenance Performed: oversite for contractor

2. Company Performing Maintenance _____

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr.

North Tonawanda, NY 14120

Contact Name: Rick Becken

3. Methods Used:

stopped at site, the town contractor was excavating for the drainage
project, he working near our discharge pipe so I stayed I noticed that he had worked
around a 2 inch pipe but had broke a 3-4 inch pipe, as I checked the broken pipe I found
it was our discharge line. The contractor temporarily repaired the broken broken pipe.

Description of Material Removed:

none

Problems/Comments:

Needs permanent repair

8/9/2012 RC Becken
DATE INSPECTOR INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 8/14/2012

Time 900

Scheduled/Unscheduled:

Type of Maintenance Performed: oversite for contractor

2. Company Performing Maintenance _____

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr.

North Tonawanda, NY 14120

Contact Name: Rick Becken

3. Methods Used:

Allowed contractor in gate to fill excavation dug for drainage project

Description of Material Removed:

none

Problems/Comments:

8/14/2012
DATE

RC Becken
INSPECTOR

INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 9/4/2012

Time 8:30

Scheduled/Unscheduled:

Type of Maintenance Performed: mowing grass

2. Company Performing Maintenance _____

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr.

North Tonawanda, NY

Contact Name: Rick Becken

3. Methods Used:

tractor and mower

Description of Material Removed:

none

Problems/Comments:

none

9/4/2012 RC Becken
DATE INSPECTOR INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 9/5/2012

Time 8:00

Scheduled/Unscheduled:

Type of Maintenance Performed: mowing grass

2. Company Performing Maintenance

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr.

North Tonawanda, NY

Contact Name: Rick Becken

3. Methods Used:

tractor and mower

Description of Material Removed:

none

Problems/Comments:

none

9/5/2012

RC Becken

DATE

INSPECTOR

INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 9/6/2012

Time 8:00

Scheduled/Unscheduled:

Type of Maintenance Performed: mowing grass

2. Company Performing Maintenance

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr.

North Tonawanda, NY

Contact Name: Rick Becken

3. Methods Used:

tractor and mower

Description of Material Removed:

none

Problems/Comments:

none

9/6/2012
DATE

RC Becken
INSPECTOR

INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 9/7/2012

Time 900

Scheduled/Unscheduled:

Type of Maintenance Performed: oversite for contractor

2. Company Performing Maintenance _____

Name: O&M Enterprises, Inc.

Address: 7134 Marigold Dr.

North Tonawanda, NY 14120

Contact Name: Rick Becken

3. Methods Used:

oversite for effluent pipe repair

Description of Material Removed:

none

Problems/Comments:

None

9/7/2012 RC Becken
DATE INSPECTOR INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 10/10/12 and 10/11/12
Time 9:00:00 AM
Scheduled/Unscheduled: scheduled
Type of Maintenance Performed: inspect well pumps

2. Company Performing Maintenance _____
Name: O&M Enterprises, Inc.
Address: 7134 Marigold Dr
North Tonawanda, NY
Contact Name: Rick Becken

3. Methods Used:
pull pumps clean and check then reinstall

Description of Material Removed:

none

Problems/Comments:

none

Oct. 11, 2012 Richard C Becken
DATE INSPECTOR INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: Rc Becken

1. Date 11/5/2012

Time 900

Scheduled/Unscheduled:

Type of Maintenance Performed: change pump in wet well A

2. Company Performing Maintenance

Name: O&M Enterprises

Address: 7134 Marigold Dr

N Tonawanda NY 14120

Contact Name: Rick Becken

3. Methods Used:

pulled old pump and motor and installed new pump and motor

Description of Material Removed:

old pump and motor

Problems/Comments:

none

11/5/2012
DATE

RC Becken
INSPECTOR

INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 11/6/2012

Time 845

Scheduled/Unscheduled:

Type of Maintenance Performed: monitor well pumps

2. Company Performing Maintenance

Name: O&M Enterprises

Address: 7134 Marigold Dr

N. Tonawanda NY 14120

Contact Name: Rick Becken

3. Methods Used:

watching pumps

Description of Material Removed:

none

Problems/Comments:

none

11/6/2012
DATE

RC Becken
INSPECTOR

INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 11/7/2012

Time 815

Scheduled/Unscheduled:

Type of Maintenance Performed: monitor well pumps

2. Company Performing Maintenance

Name: O&M Enterprises

Address: 7134 Marigold Dr

N. Tonawanda NY 14120

Contact Name: Rick Becken

3. Methods Used:

watching pumps

Description of Material Removed:

none

Problems/Comments:

none

11/7/2012
DATE

RC Becken
INSPECTOR

INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 11/8/2012

Time 825

Scheduled/Unscheduled:

Type of Maintenance Performed: monitoring wells

2. Company Performing Maintenance

Name: O&M Enterprises

Address: 7134 Marigold Dr

N. Tonawanda NY 14120

Contact Name: Rick Becken

3. Methods Used:

watching wet well pumps

Description of Material Removed:

none

Problems/Comments:

none

11/8/2012
DATE

RC Becken
INSPECTOR

INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 11/9/2012

Time 825

Scheduled/Unscheduled:

Type of Maintenance Performed: open gate and meet with contractor

2. Company Performing Maintenance

Name: O&M Enterprises

Address: 7134 Marigold Dr

N. Tonawanda NY 14120

Contact Name: Rick Becken

3. Methods Used:

open gate for surveyor meet with contractor return later to check locked gate

Description of Material Removed:

none

Problems/Comments:

none

11/9/2012
DATE

RC Becken
INSPECTOR

INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: *Niagara County Refuse Site*

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 11/12/2012

Time 820

Scheduled/Unscheduled:

Type of Maintenance Performed: unlock gate for drainage contractor

2. Company Performing Maintenance _____

Name: O&M

Address: 7134 Marigold Dr

N.Tonawanda, NY

Contact Name: RC Becken

3. Methods Used:

Keys

Description of Material Removed:

none

Problems/Comments:

contractor didn't show

11/12/2012

RC Becken

DATE

INSPECTOR

INSPECTOR'S SIGNATURE

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date 12/26/2012

Time 900

Scheduled/Unscheduled:

Type of Maintenance Performed: change pump/motor in wwA

2. Company Performing Maintenance

Name: O&M Enterprises

Address: 7134 Marigold Dr

N. Tonawanda NY 14120

Contact Name: Rick Becken

3. Methods Used:

pulled pump/motor replaced with spare pump/motor

Description of Material Removed:

motor scraped

Problems/Comments:

none

12/26/2012
DATE

RC Becken
INSPECTOR

INSPECTOR'S SIGNATURE

APPENDIX G
WATER LEVEL RECORDS

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY
REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 1/5/2012
(MM DD YY)

CREW MEMBERS: RC Becken

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	11:10	598.93	26.12	572.81
EAST "B"	11:25	596.23	15.56	580.67
EAST "C"	11:50	598.69	20.45	578.24
EAST "D"	12:10	593.20	15.51	577.69
NCR-3S	9:50	579.60	3.5	576.10
NCR-4S	10:10	577.88	2.96	574.92
NCR-5S	10:50	579.34	6.51	572.83
NCR-13S	8:55	577.15	4.63	572.52

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	8:45		~6"
WW B	10:25		~5"
WW C	9:35		~10"
WW D	9:10		~5"

Total System Flow	Time of Measurement
59787150	8:45

FP-3D

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY
REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 2/6/2012
(MM DD YY)

CREW MEMBERS: RC Becken

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	12:45	598.93	26.25	572.68
EAST "B"	12:25	596.23	15.8	580.43
EAST "C"	11:55	598.69	20.55	578.14
EAST "D"	11:35	593.20	15.61	577.59
NCR-3S	10:50	579.60	3.6	576.00
NCR-4S	11:10	577.88	2.85	575.03
NCR-5S	10:50	579.34	6.44	572.90
NCR-13S	8:55	577.15	4.62	572.53

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	9:45		~9"
WW B	11:25		~5"
WW C	10:35		~10"
WW D	10:10		~7"

Total System Flow	Time of Measurement
61893710	9:45

FP-3D

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY
REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 3/1/2012
(MM DD YY)

CREW MEMBERS: RC Becken

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	12:00	598.93	26.22	572.71
EAST "B"	11:45	596.23	15.82	580.41
EAST "C"	11:25	598.69	20.28	578.41
EAST "D"	11:05	593.20	15.4	577.80
NCR-3S	10:25	579.60	3.5	576.10
NCR-4S	9:45	577.88	2.59	575.29
NCR-5S	10:50	579.34	6.41	572.93
NCR-13S	8:35	577.15	4.63	572.52

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	8:45		~8"
WW B	9:55		~5"
WW C	10:15		~8"
WW D	9:15		~6"

Total System Flow	Time of Measurement
619541400	8:45

FP-3D

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY
REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 4/12/2012
(MM DD YY)

CREW MEMBERS: RC Becken

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	12:00	598.93	26.31	572.62
EAST "B"	11:45	596.23	16.01	580.22
EAST "C"	11:25	598.69	20.85	577.84
EAST "D"	11:05	593.20	15.71	577.49
NCR-3S	10:15	579.60	4.48	575.12
NCR-4S	10:45	577.88	3.2	574.68
NCR-5S	10:50	579.34	7.41	571.93
NCR-13S	8:35	577.15	5.11	572.04

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	8:55		~9"
WW B	10:55		~5"
WW C	10:20		~9"
WW D	9:25		~6"

Total System Flow	Time of Measurement
62581270	8:55

FP-3D

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY
REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 5/1/2012
(MM DD YY)

CREW MEMBERS: RC Becken

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	11:50	598.93	26.33	572.60
EAST "B"	11:35	596.23	15.99	580.24
EAST "C"	11:15	598.69	20.64	578.05
EAST "D"	11:00	593.20	15.77	577.43
NCR-3S	10:15	579.60	3.75	575.85
NCR-4S	10:20	577.88	2.58	575.30
NCR-5S	10:50	579.34	6.8	572.54
NCR-13S	9:15	577.15	4.6	572.55

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	9:00		~15"
WW B	10:55		~5"
WW C	10:30		~10"
WW D	9:35		~7"

Total System Flow	Time of Measurement
62829920	9:00

FP-3D

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY
REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 6/4/2012
(MM DD YY)

CREW MEMBERS: RC Becken

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	11:10	598.93	26.24	572.69
EAST "B"	11:25	596.23	18.53	577.7
EAST "C"	11:50	598.69	20.54	578.15
EAST "D"	12:10	593.20	15.73	577.69
NCR-3S	9:50	579.60	dry	
NCR-4S	10:10	577.88	3.17	574.71
NCR-5S	10:50	579.34	9.45	569.89
NCR-13S	8:55	577.15	7.42	569.73

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	8:50		~8"
WW B	10:25		~6"
WW C	9:35		~12"
WW D	9:10		~7"

Total System Flow	Time of Measurement
63270180	8:50

FP-3D

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY
REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 7/13/2012
(MM DD YY)

CREW MEMBERS: RC Becken

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	12:10	598.93	26.4	572.53
EAST "B"	12:25	596.23	19.9	576.33
EAST "C"	12:50	598.69	20.82	575.86
EAST "D"	13:10	593.20	16.15	577.05
NCR-3S	10:50	579.60	dry	
NCR-4S	11:10	577.88	dry	
NCR-5S	11:50	579.34	dry	
NCR-13S	9:55	577.15	dry	

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	9:50		~7"
WW B	11:25		~5"
WW C	10:35		~9"
WW D	10:10		~6"

Total System Flow	Time of Measurement
63333891	9:50

FP-3D

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY
REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 8/2/2012
(MM DD YY)

CREW MEMBERS: RC Becken

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	11:10	598.93	26.34	572.59
EAST "B"	11:25	596.23	16.54	579.69
EAST "C"	11:50	598.69	20.63	578.06
EAST "D"	12:10	593.20	15.97	577.23
NCR-3S	9:50	579.60	dry	
NCR-4S	10:10	577.88	dry	
NCR-5S	10:50	579.34	dry	
NCR-13S	8:55	577.15	dry	

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	8:45		~6"
WW B	10:25		~10"
WW C	9:35		~10"
WW D	9:10		~5"

Total System Flow	Time of Measurement
63353010	8:45

FP-3D

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY
REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 9/4/2012
(MM DD YY)

CREW MEMBERS: RC Becken

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	11:50	598.93	26.35	572.58
EAST "B"	11:40	596.23	19.99	576.24
EAST "C"	12:20	598.69	20.6	578.09
EAST "D"	12:40	593.20	16	577.2
NCR-3S	10:15	579.60	dry	
NCR-4S	10:50	577.88	dry	
NCR-5S	11:00	579.34	dry	
NCR-13S	9:20	577.15	dry	

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	9:20		~8"
WW B	10:55		~10"
WW C	10:10		~10"
WW D	9:45		~7"

Total System Flow	Time of Measurement
6337840	9:20

FP-3D

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY
REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 10/8/2012
(MM DD YY)

CREW MEMBERS: RC Becken

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	12:55	598.93	26.41	572.52
EAST "B"	12:10	596.23	20.11	576.12
EAST "C"	12:00	598.69	20.85	577.84
EAST "D"	11:40	593.20	15.9	577.3
NCR-3S	10:35	579.60	dry	
NCR-4S	10:55	577.88	dry	
NCR-5S	11:10	579.34	dry	
NCR-13S	9:35	577.15	dry	

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	9:20	57146451	~11"
WW B	10:25		~5"
WW C	10:15		~6"
WW D	10:05		~6"

Total System Flow	Time of Measurement
63405139	9:20

FP-3D

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY
REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 11/12/2012
(MM DD YY)

CREW MEMBERS: RC Becken

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	11:30	598.93	26.45	572.48
EAST "B"	11:45	596.23	19.12	577.11
EAST "C"	12:00	598.69	20.7	577.99
EAST "D"	12:15	593.20	15.94	577.26
NCR-3S	10:30	579.60	4.27	575.33
NCR-4S	10:45	591.88	3.4	588.48
NCR-5S	11:15	597.34	dry	
NCR-13S	9:40	593.13	6.32	586.81

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	9:30		~6'
WW B	11:00		~5"
WW C	10:25		~6"
WW D	10:05		~6"

Total System Flow	Time of Measurement
63729530	9:30

FP-3D

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY
REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 12/10/2012
(MM DD YY)

CREW MEMBERS: RC Becken

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	12:00	598.93	26.42	572.51
EAST "B"	11:45	596.23	16.03	580.2
EAST "C"	11:25	598.69	20.2	578.49
EAST "D"	11:05	593.20	15.46	577.74
NCR-3S	10:15	579.60	2.56	577.04
NCR-4S	10:45	577.88	3.55	574.33
NCR-5S	10:50	597.34	dry	
NCR-13S	8:35	593.13	4.36	588.77

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	8:55		~15"
WW B	10:55		~6"
WW C	10:20		~8"
WW D	9:25		~5"

Total System Flow	Time of Measurement
640727500	8:55

FP-3D