Attachment D
Daneros Mine Rock Geochemistry Investigation

Memorandum

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Subject: *Daneros Mine Rock Geochemistry Investigation*

CDM Smith Inc. conducted an investigation of rock geochemistry at the Daneros Mine in San Juan County, Utah to evaluate the potential for development rock or ore produced at the mine to affect water quality. This report describes the findings of this investigation as follows:

- Evaluation of the geological framework
- Site reconnaissance and sampling
- Field and laboratory analyses
- Data analysis
- Conclusions

Development of acid rock drainage (ARD) or other deleterious leachate from mine rock is dependant both on the geochemistry of the rock and on the local climate conditions. The Daneros Mine is located in an arid area where evaporation greatly exceeds precipitation. This memorandum evaluates the geochemistry of the rock and provides a framework to understand the rock management and reclamation approaches that should be considered to mitigate potential development of deleterious leachate.

1.0 Geological Framework of Daneros Mine

The propensity of mine rock to affect water quality is controlled by the mineralogy of the rock and other factors. A general understanding of the geological framework is useful to focus sampling efforts and to assess sampling results. The Daneros Mine is an existing underground mine that exploits uranium mineralization occurring within the Shinarump Member of the Chinlee Formation. The Shinarump Member is a fluvial sedimentary unit that contains interbedded sandstone, conglomerate and shale. The unit contains approximately two thirds sandstone, one third conglomerate and minor shale. The Shinarump Member is overlain by other sedimentary rocks of the Chinlee Formation, and is underlain by siltstone and sandstone of the Moenkopi Member.

The Shinarump Member hosts all uranium mineralization mined at the Daneros Mine. The ore commonly occurs in fluvial channels associated with organic debris such as fossilized wood fragments and other vegetal material. Uranium mineralization occurs entirely within the Shinarump Member and is associated with pyrite (FeS_2) and copper mineralization. This mineralization occurs within fossilized wood fragments and other vegetal material and to a lesser extent as disseminations within sandstone and conglomerate. Exhibit 1 is a photo of a fossilized wood fragment showing pyrite replacement, which was recorded during the underground reconnaissance.

Exhibit 1. Photo of fossilized wood partially replaced by pyrite within mineralized portion of the Shinarump Member (width of photo approximately 12 inches).

2.0 Site Reconnaissance and Sampling

Site reconnaissance, underground sampling and paste pH sampling was conducted on June 20, 2012 in accordance with a sampling plan dated June 5, 2012, which is included as Attachment 1. Multi-increment sampling in accordance with the June 5, 2012 plan was conducted by Energy Fuels Resources (USA) personnel on June 5 and June 27, 2012. Sampling included:

- Collection of a suite of 10 samples from accessible areas within the mine that were representative of a range of uranium concentrations (i.e.; ore and development rock), and that were spatially representative of the accessible extent of the mine (these samples are labeled “D-1” through “D-10”). These samples provide data to assess the range of geochemical

characteristics exhibited by Daneros mine rock. The location of these samples within the Daneros Mine underground workings are shown on Figure 1.

- Completion of a field paste pH survey of the existing development rock area (DRA) including exposed development rock produced at Daneros during earlier phases of production and development rock placed during recent production (field paste pH samples are labeled P-1 through P-12). The location of these samples is shown on Figure 2.

- Collection of multi-increment samples from the DRA and the ore stockpiles. The waste rock multi-increment samples are: *Waste Rock 1*, *Waste Rock 2*, and *Waste Rock3*. Waste rock was sampled on June 4, 2012 and June 27, 2012. The ore multi-increment samples are: *Ore1*, *Ore2*, *Ore3*, *Low Grade Ore*, and *Daneros Ore Pile*. These samples were collected on May 17, June 4, and June 20, 2012. Multi-increment sampling is used to assess the overall average geochemical characteristics of the mine rock. Additional discussion of the multi-increment sampling method is presented in Attachment 1 and the location of these samples is shown on Figure 3.

- Collection of a composite sample from the low grade ore pile.

Composite samples of ore and development rock collected by Energy Fuels Resources (USA) personnel during May, 2012 are also included and assessed in this analysis.

The rock units overlying the Shinarump Member of the Chinlee Formation were not sampled, because uranium mineralization and associated pyrite at the Daneros Mine occur exclusively within the Shinarump Member. This observation is supported by US Geological Survey reports for other uranium deposits in the vicinity of the Daneros Mine, which occur within the Shinarump Member of the Chinlee Formation (Thaden et al, 1964).

3.0 Field and Laboratory Analyses

Field and laboratory analyses were selected to support evaluation of acid potential, potential for deleterious leachate production, and potential for direct contact risks. Laboratory analyses were conducted at Energy Laboratory in Casper, Wyoming. Field and laboratory analyses included:

- **Field Paste pH**, which is used to assess if samples are currently generating acid.

- **Acid base accounting**, which is used to estimate the likelihood that a rock will generate acid in the future based on an accounting of neutralization potential (NP) and acid potential (AP).

- **Scanning electron microscope energy dispersive analyses (SEM-EDS)** were conducted to evaluate the sulfide and sulfate mineralogy of the samples to assist in interpretation of acid base accounting data.

- **Extraction tests,** which are used to estimate the likelihood that a rock will leach metals or other substances in response to percolating water.

- **Total metals analyses,** which are used to assess the potential for direct contact risks related to incidental ingestion or inhalation of the rock.

3.1 Field Paste pH

The field paste pH method is well-suited to evaluations of DRAs that have been in place for a period of years to decades. The Daneros DRA was constructed over several phases, and therefore the paste pH method is useful to determine if rock in the pile is acid-generating. The field paste pH method is less useful to evaluate rock that was recently placed into the DRA, because it takes time for acid generation to commence after rock containing sulfide minerals such as pyrite is placed on a DRA and exposed to the surface environment. This time period is dependent on numerous factors including mineralogy, mineral texture, climate and other factors, but may be on the order of years to decades in the arid climate present at the Daneros mine. The paste pH method is based on addition of distilled water to a sample of fine grained rock from the DRA. The rock-water mixture is blended into a paste and the pH and total dissolved solids (TDS) concentration of the paste is measured in the field. Samples with strongly acidic pH concentrations indicate that the rock is acid generating. Samples with paste pH of approximately 4.5 standard units (SU) and above are not considered acid generating.

3.2 Acid Base Accounting

ABA analyses are widely used to evaluate the potential for mine rock to generate acid. ABA is a method to estimate the potential for a sample to generate acid at some time in the future. The propensity for a rock to generate acid is dependent on both the acid-generating and acid-neutralizing potential of a rock. Acid generation results from oxidation of sulfide minerals, such as pyrite. Acid neutralization results from minerals that will neutralize acid, such as calcium carbonate ($CaCO_3$) and dolomite ($CaMg(CO_3)_2$). Numerous other minerals have the potential to neutralize acid; however, they dissolve slowly and are less effective at preventing acid generation. ABA is not a quantitative method, and correct data interpretation requires an understanding of the mineralogy of the rock as well as assumptions inherent in the specific ABA method used (Jambor et al. 2003).

The ABA method has a basic assumption that pyrite is the only sulfide mineral present and that the FeS_2 is oxidized by oxygen producing 4 moles of hydrogen (H+) per mole of FeS_2 as shown below:

$$FeS_2 + 3.75O_2 + 3.5H_2O \rightarrow Fe(OH)_3 + 2SO_4^{2-} + 4H^+$$

The four protons generated in this reaction are then assumed to be neutralized by calcite as described below:

$$2CaCO_3 + 4H^+ \rightarrow 2Ca^2 + 2H_2CO_3$$

In interpretation of ABA analyses, acidity produced by 1 mole of FeS_2 is assumed to be neutralized by 2 moles of calcite, which results in a stoichiometric conversion factor of 31.25 tons per kiloton calcium carbonate equivalent (t/kt CaCO3 eq.) per percent pyritic sulfur. This allows both the AP and NP of a sample to be expressed in equal units of t/kt CaCO3 eq. The assumed neutralization path for neutralization of acidity by calcite is not unique, and up to 4 moles of calcite may be required to neutralize the acidity formed by oxidation of 1 mole of FeS_2 (i.e., the required amount of calcite may be 2 times that assumed in reaction 2 [Rose and Cravotta 1994]). Pyrite oxidation by dissolved ferric iron (Fe+3) is also common, and the quantity of acid generated per mole of pyrite varies based on the reaction path. In addition, other sulfide or sulfosalt minerals are commonly present, which may or may not generate acid.

Threshold values used in analysis of ABA data are:

- NP:AP ratio of less than 1 indicates high potential to generate acid
- NP:AP ratio between 1 and 2 indicates moderate potential to generate acid
- NP:AP ratio of greater than 2 indicates low potential to generate acid

The difference between the NP and the AP is another indicator of the propensity of a mine rock to generate acid. This value is termed the net neutralization potential. A negative net neutralization potential indicates that a sample is likely to generate acid.

3.3 SEM-EDS

SEM–EDS measures X-rays generated when a beam of electrons is focused into a solid sample. The electron beam can excite an electron in inner electron shells or energy levels of an atom in the sample, which is then expelled from the electron shell. The result is replacement of the expelled electron with an electron from a higher energy level shell of the atom. The energy lost by the electron moving from a higher to lower energy level is emitted as an X-ray. Both the number of X-rays and energy of the X-rays are then measured with an energy dispersive spectrometer. The element is determined at the atomic level from the energy of the X-ray, which is characteristic of the element as well as the energy difference between electron shells.

SEM-EDS analyses were performed on samples collected from the underground mine to determine the sulfide and sulfate mineralogy of the samples, which supports assessment of ABA data. SEM-EDS analyses were performed by CDM Smith using a JOEL JSM-840A scanning electron microscope equipped with an Oxford Instruments energy dispersive X-ray analyzer. The mineralogy of selected mineral grains in the rock samples was determined from the ratios of elements identified using SEM-EDS. The SEM-EDS data facilitate identification of specific minerals in a rock, but the data collected in this investigation do not provide an estimate of the relative proportions of these minerals in the rock sample.

3.4 Extraction Tests

Laboratory extraction tests were conducted on multi-increment samples of ore and development rock. Samples were submitted to Energy Laboratories Inc. in Casper, Wyoming for analysis via the Meteoric Water Mobility Procedure (MWMP) (ASTM E2242-07). The method is a column test where water at a 1:1 ratio by mass to the rock is percolated through the column over a 24 hour period, and the effluent from the column is collected and analyzed for metals and metalloids. This test measures the concentration of metals and metalloids released from the rock. However, the development rock samples would not percolate through the MWMP column because of high concentrations of fine grained materials. Therefore, these samples were analyzed using the Synthetic Precipitation Leach Procedure (SPLP) (EPA Method 1312). The SPLP is a bottle roll extraction tests in which simulated precipitation is used as an extraction fluid at a water to rock ratio of 20:1.

Screening of the potential for the rock to generate leachate migration risks can be accomplished by comparing the metal and metalloid concentrations in the extraction test leachate to groundwater quality standards. It should be noted that screening of the MWMP and SPLP data with groundwater quality standards does not imply that there is a pathway for leachate from the rock piles to affect groundwater, or that adverse groundwater effects will occur. The screening process simply identifies samples with potential to generate deleterious leachate.

3.5 Total Metals Analyses

Evaluation of total metals data is based on comparison of the total metals concentrations measured in multi-increment samples with appropriate screening criteria developed by BLM for metals in soils in the guidance document titled, *Risk Based Criteria for Metals at BLM Mining Sites* (BLM 2004). This BLM document provides risk management criteria (RMC) for human exposure to soils for various land uses on BLM property including residents, campers, all terrain vehicle (ATV) drivers, workers, and surveyors. In addition, BLM has developed RMCs for wildlife and livestock for ecological risk management on BLM property. The BLM RMC values support land management of former mine sites and are used as a benchmark concentration to which environmental concentrations may be compared, assisting land managers in protecting humans and wildlife on BLM lands. In particular, BLM RMC values were developed such that "people will not experience adverse health effects from metal contamination on BLM lands during their lifetimes if exposure is limited to soil… with concentrations at or less than the RMC" (BLM 2004, p. 3).

BLM RMCs have not been identified for several site-specific metals of interest at the Daneros Mine including uranium. In order to assess the potential toxicity of these metals in development rock and ore, EPA Regional Screening Levels (RSL; EPA 2008) for a commercial/industrial exposure scenario were utilized as screening level concentrations for barium, beryllium, chromium, molybdenum, and uranium.

Although the commercial/industrial exposure scenario is not the same as the expected post-mining land use of the property (e.g., non-motorized recreation), the exposure concentrations provided in this scenario are conservative; that is, the scenario provides additional human health exposure to metals on the site (e.g., hours of exposure per year for a worker) than what is anticipated given the anticipated post-mining land use. Similar to RMCs, EPA RSLs have been developed using conservative exposure assumptions and represent levels that are protective of human health for most site conditions (EPA 1996). For example, the use of screening criteria for an industrial land use is very conservative for the Daneros Mine, because it assumes exposure for 250 days per year over 25 years.

It should be noted that direct contact risks to miners are not evaluated as part of this assessment because these risks are regulated by the U.S. Mine Safety and Health Administration in accordance with the federal Mine Safety and Health Act of 1977 as amended, and other federal laws and regulations.

4.0 Data Analysis

This section describes and evaluates the geochemical data and addresses the potential for development rock to be a deleterious material as defined at Utah Administrative Code (UAC) Section (§) R647-1-106 or to cause unnecessary or undue degradation as defined by 43 Code of Federal Regulation (CFR) §3809.5. The definitions of deleterious material set forth at UAC §R647-1-106 and unnecessary or undue degradation set forth at 43 CFR §3809 are general. Therefore, it is necessary to interpret the regulations in the context of the Daneros Mine to evaluate the rock geochemistry data. The following sections utilize the data to evaluate the following factors in considering the potential for the rock to be a deleterious material or to cause unnecessary or undue degradation:

- The potential for the rock to generate acid
- The potential for the rock to cause problematic leachate
- The potential for the rock to contain toxic metals at concentrations that could cause direct contact human health or wildlife risks related to incidental ingestion or inhalation

4.1 Potential for Rock to Generate Acid

This section provides analysis of geochemical data collected to date with respect to the potential for the rock to produce acid. A general summary of data collected to support the 2011 Bureau of Land Management Environmental Assessment for the Daneros Mine (EA) (BLM 2011) is presented followed by detailed analysis of data collected in this investigation.

4.1.1 Assessment of Previously Collected Data

Utah Energy Corporation collected samples for acid base accounting to support the 2011 environmental assessment (EA) (BLM 2011). Eight samples were collected from the Daneros project area and were sent to Energy Laboratories of Casper, WY to test for agronomic

properties, net acid generation and acid-base potential. For field samples, five pound samples were collected in calico sample bag at Daneros. For drill core, two pound samples were composited from the coarse residue samples from crushed diamond core samples previously prepared by American Assay Laboratories of Sparks NV.

Samples included Waste Dump from the McCarty-Coleman decline of the Lark Mine which has been insitu for at least 30 years), diamond core samples from across the Daneros Ore zone (sub-oremineralisation included), and one sample from the Bullseye Decline.

The inclusion of sub-ore intervals allows the investigation of response in the worst case scenario where ore or sub-ore are accidently placed on the waste dump. It is planned to segregate sub-ore and replace it in the mine workings in worked out stopes.

The data, a sample location map and data analysis included in the EA, are provided as Attachment 2. However, the ABA data (and associated net acid generation data) were misinterpreted in the EA, which concluded that the Daneros Mine rock does not have potential to generate acid. Table 1 includes ABA data collected by Utah Energy Corporation and Figure 4 shows a plot of acid potential versus neutralization potential for the Utah Energy Corporation samples. Five of the eight ABA samples collected by Utah Energy Corporation are classified with a high potential to generate ARD based on the criteria discussed in Section 3.2. Because these samples were not collected or analyzed in a manner designed to assess overall average geochemical characteristics of the mine rock, these data are primarily useful to understand the range in geochemical characteristics exhibited by the sampled rock.

4.1.2 Assessment of Data Collected in this Investigation

Data collected in this investigation to assess the potential for the rock to generate acid includes SEM-EDS, ABA and field paste pH. The SEM-EDS data are used to support the ABA data analysis, because information regarding the mineralogy of the samples is important in correct interpretation of ABA data (Jambor et al. 2003). The ABA data are used to evaluate whether mine rock would be expected to generate acid at some time in the future. The field paste pH data are used to assess whether mine rock piles are currently generating acid.

SEM-EDS Data

SEM EDS mineralogical data are summarized in Exhibit 2 and the detailed data are presented in Attachment 3. Exhibit 2 provides a summary of sulfide, sulfate, carbonate and other minerals identified in the samples using the SEM-EDS data. Because identification of aluminum silicate minerals was not a goal of this investigation, SEM-EDS data collected from aluminum silicate minerals were not analyzed to determine specific mineralogy. Aluminum silicate minerals likely include the feldspar orthoclase as well as various clay minerals.

Exhibit 2. Summary mineralogical data based on SEM-EDS analyses.

Sample	Sulfide Minerals	Sulfate Minerals	Carbonate Minerals	Other Minerals Identified
D-1	Pyrite	Barite		Quartz, unidentified aluminum silicate mineral, Zircon, Rutile
D-2	Pyrite			Quartz, Rutile, Yttrium phosphate mineral
D-3	Pyrite	Barite		Quartz
D-4	Pyrite			Quartz, unidentified aluminum silicate mineral, Zircon
D-5	Pyrite, Sphalerite		Calcite	Quartz, Uraninite, several unidentified uranium minerals
D-6	Pyrite	Gypsum, Barite?		Quartz, several unidentified aluminum silicate minerals, Zircon, Rutile
D-7	Pyrite			Quartz, Rutile, unidentified aluminum silicate mineral
D-8	Pyrite			Quartz, Rutile, unidentified aluminum silicate mineral
D-9	Pyrite			Quartz, unidentified aluminum silicate mineral, carbon-rich grains (fossilized wood),
D-10	Pyrite			Quartz, Orthoclase, Zircon, Rutile, unidentified aluminum silicate mineral, unidentified uranium-arsenic mineral,

The focus of the SEM-EDS analyses was to identify the sulfide mineralogy of the samples; because it was reported by site personnel that uranium mineralization at the Daneros Mine was associated with copper mineralization. This observation is also supported by USGS descriptions of mineralization in the general vicinity of the Daneros Mine (Thaden et al. 1964) If chalcopyrite ($CuFeS_2$) or other copper sulfide minerals were present in significant quantities, the ABA analyses could potentially overestimate the acid potential of the samples. Greenish-blue precipitates resembling alteration products of copper minerals were observed in the underground mine in strongly mineralized areas, but no primary copper sulfide minerals were

identified by SEM-EDS in any of the underground mine samples. One grain of shpalerite (ZnS) was observed in sample D-5, but the vast majority of sulfide minerals observed in the samples were pyrite. This data supports use of the conservative ABA assumption that all sulfide minerals are in the form of pyrite. Two sulfate minerals were observed, gypsum and barite ($BaSO_4$). Gypsum is a readily soluble sulfate mineral, which does not report to the ABA analysis using the Modified Sobek method applied by Energy Laboratories. Barite is a less soluble sulfate mineral, which may report as either the nitric acid digestible or residual sulfur in the ABA analyses. However, evaluation of the total barium data for the samples indicates that barite is a minor component of the samples, which supports use of the conservative ABA assumption that all nitric acid and residual sulfur is in the form of pyrite.

The only carbonate mineral identified with SEM-EDS was calcite ($CaCO_3$) in sample D-5, The ten samples were also tested for effervescence with 10 percent hydrochloric acid solution to identify calcite. Effervescence was observed for sample D-5 only, indicating that the other samples did not contain significant calcite. Based on the ABA neutralization potential (NP) titration, the rock contains NP ranging from zero to 13 tons per kiloton calcium carbonate equivalent (t/kt $CaCO_3$ eq.) The average characteristics of the rock are best evaluated using the composite and multi-increment sampling data. The average neutralization potential for ore and development rock based on these samples are 6.7 and 6.1 t/kt $CaCO_3$ eq. respectively. One composite sample of low grade ore exhibited somewhat higher neutralization potential of 13 t/kt $CaCO_3$ eq. The NP of the development rock is most pertinent to the project, because the ore and low grade ore are planned to be hauled to the mineral processing facility near Blanding, Utah for processing.

Acid Base Accounting Data

ABA analyses were completed for the samples collected from within the underground mine and the composite and multi-increment samples collected from ore, low grade ore and development rock piles. These data are summarized and interpreted in the following paragraphs and detailed laboratory data are provided in Attachment 4.

The underground samples (i.e. underground mine samples D1 to D10) were collected to evaluate the range in geochemical characteristics of the mine rock. These samples ranged from non-mineralized development rock to rock with ore-grade uranium mineralization. Seven of the 10 samples exhibit a negative net neutralization potential and neutralization potential to acid potential ratio (NP:AP ratio) of less than 1, which indicates that these samples have a high potential to generate acid. Two samples exhibit NP:AP ratio between 1 and 2, which indicates a moderate potential to generate acid, and one sample exhibits an NP:AP ratio of greater than 1, which indicates that the sample is unlikely to generate acid. It should be noted that this evaluation identifies rock that has potential to generate acid. However, acid rock drainage is caused by a combination of acid generating rock, air, and water. If sufficient water is present to cause percolation through the rock piles, acid rock drainage would be expected to occur where acid generating rocks are present.

The underground samples with a positive net neutralization potential and NP:AP ratio of over 1, are D-1, D-4 and D-10. Sample D-1 was collected from a "capital drift" located on the north end of the underground workings. This is a drift that is being mined through development rock to reach the ore. Sample D-1 was a sample of Shinarump Member sandstone, which is not mineralized, and sample D-2 was a sample of Shinarump Member conglomerate from a location near D-1 in the capital drift. This data shows that some rock with potential to generate acid is present in development rock produced from this capital drift. This rock may be hauled out of the mine and be placed into the DRA or it may be placed into mined-out underground workings. Sample D-4, which had the highest neutralization potential was a siltstone sample from the Moenkopi Formation, which underlies the Shinarump Member. This Formation is not mineralized with uranium and is generally kept in the sill (floor) or the lower portion of the rib (wall) of the underground mining areas, because all uranium ore occurs in the overlying Shinarump Member. This sample suggests that the underlying non-mineralized Moenkopi Formation does not have potential to generate acid. Sample D-10 was collected from a non-mineralized area within the Shinarump Member. This sample contained both low acid potential and low neutralization potential. The samples with negative net neutralization potential and NP:AP ratio of less than 1 (samples D-2, D-3, D-5, D-6, D-7, D-8 and D-9) were samples of sandstone and conglomerate from the Shinarump Member, which range from non-mineralized development rock to strongly mineralized ore.

Although the samples collected in the underground workings are useful to understand the range in geochemical conditions, they are less useful to understand the overall average conditions of development rock and ore. The multi-increment samples are essentially physical composites containing at least 30 individual increments spaced randomly across the DRA. These samples are designed to assess the average characteristics of development rock and ore. As shown in Table 1, all multi-increment samples exhibited negative net neutralization potential and NP:AP ratio of less than 1. These samples are classified with high potential to generate acid. Because the multi-increment samples are designed to represent average characteristics of the rock piles, they exhibit a narrower range of acid potential and neutralization potential values as compared to the point samples collected from the underground workings.

Figure 5 provides an analysis of the 2012 ABA data based on the NP:AP ratio. This analysis shows that seven of the ten underground samples and all of the multi-increment samples are classified with high potential to generate acid, two of the samples have moderate potential, and one is classified as non-acid generating. The non-acid generating sample is the sample of the Moenkopi Formation (D-4), and the two samples classified with moderate potential are the non-mineralized samples of Shinarump Member sandstone (D-1 and D-10). The multi-increment ore samples are relatively more acid generating than the multi-increment development rock samples as shown by the higher acid potential (i.e.; higher concentrations of pyritic sulfur).

Field Paste pH Data

Figure 2 shows the paste pH sample data. Most of the paste pH samples exhibited near-neutral pH values. However, these samples were collected from development rock that was mined and placed on the pile in the last several years, which has not yet had sufficient time to begin oxidizing. Three samples, P-2, P-3 and P-4 were collected from a portion of the development rock pile that was constructed during a prior phase of mining. These samples exhibited paste pH values of 3.82, 3.57 and 2.73 standard units respectively, which indicates that the older development rock is generating acid. This data supports the ABA findings discussed above.

4.2 Potential to Generate Deleterious Leachate

The extraction test data are shown in Tables 2 and 3, and the data are screened with respect to Utah Groundwater quality standards. Detailed laboratory data are included in Attachment 4. The screening values do not indicate that the development rock or ore is causing, or would cause, deleterious leachate. However, the evaluation is useful to identify rock that could cause deleterious leachate if sufficient water was present to cause percolation through the rock piles. The extraction tests were only completed on the composite and multi-increment samples. The screening evaluation shows that ore and low grade ore exceed screening values for antimony, arsenic, nitrate, thallium and uranium by up to several orders of magnitude. The development rock exceeds screening values for arsenic, nitrate and uranium, but not antimony or thallium. In addition, the magnitude of the development rock exceedances is lower for arsenic, nitrate and uranium as compared to the ore samples. Overall, the data indicate that the development rock and ore does have potential to generate deleterious leachate if sufficient percolation of water occurs within the rock piles.

4.3 Potential for the Rock to Cause Direct Contact Risks

The potential for the rock to cause direct contact risks was evaluated based on total metals data for the multi-increment samples. Total metals data for multi-increment samples are shown in Tables 4 and 5, and the 90 percent upper confidence limit of the mean values for ore and development rock are compared to the selected screening criteria in Table 6. Detailed laboratory data are included in Attachment 4. The evaluation in Table 5 shows that the ore exceeds the direct contact screening criteria for arsenic (BLM camper and BLM worker), copper (BLM wildlife/livestock), lead (BLM wildlife/livestock), and zinc (BLM wildlife/livestock). The development rock exceeds the screening criteria for arsenic (BLM camper and BLM worker) and copper (BLM wildlife/livestock). Neither development rock nor ore exceeds the direct contact screening criteria for uranium.

4.4 Applicability of Existing Data to Future Mine Production

Samples collected in this investigation were generated from rock present in existing piles and exposed within the active underground workings. Direct sampling of rock that is proposed to be mined in the future was not possible, because exploration and mine development is primarily accomplished through methodical underground development within the Shinarump Member of

the Chinlee Formation. Therefore, neither core samples nor drill cuttings are available from the rock that will be mined during proposed future production.

The data collected in this investigation are valid to use in evaluation of expected geochemical characteristics of rock that is proposed to be mined in the future based on consideration of the geological and geochemical characteristics of the ore deposit. The ore deposit geology indicates that all future ore production will occur from the Shinarump Member of the Chinlee Formation. This ore deposit has been mined previously and is exposed in the existing underground workings. Sampling was designed to assess the overall range in geochemical conditions present in this ore body, and muti-increment samples were collected to assess the overall average charaeristics of this rock. The data developed from existing rock piles and accessible underground mine workings indicate that the pyrite is not oxidized, and that the mine rock would have the potential to generate ARD and deleterious leachate if sufficient percolation occurred through the rock piles to cause leachate generation.

A major consideration related to expected geochemical characteristics of rock that will be mined in the future is the potential for the pyrite to be oxidized by near-surface weathering processes. This could reduce the potential for the rock to generate ARD. However, as mining proceeds south and east of the Daneros Portal and extends towards the proposed South Portal, the depth of the ore zone from the surface is expected to increase. Therefore, rock produced in the future is not expected to be oxidized by near-surface weathering processes. This rock is expected to contain pyrite and to exhibit similar geochemical characteristics to the rock mined to date. Therefore, the rock produced in the future is expected to have the potential to generate ARD and deleterious leachate as observed in samples from the existing rock piles and underground workings.

The sampling program utilized in this investigation was designed to assess both the range in geochemical conditions based on the underground mine samples and the overall average characteristics based on multi-increment sampling. In the future, rock may be mined that exhibits a wider range in geochemical conditions such as higher or lower percentages of pyrite or calcite. The overall average acid potential or neutralization potential may also vary in the future. The US Bureau of Land Management currently requires quarterly sampling of mine rock to identify potential changes in geochemical characteristics. This sampling program will identify any unexpected changes in geochemical characteristics and provide for any necessary changes in management procedures for potentially deleterious materials. However, because the existing mine rock is not oxidized and would have potential to generate ARD and deleterious leachate (if significant leachate is generated), potential changes in geochemical characteristics of rock to be mined in the future are not expected to require changes in rock management or mine reclamation procedures.

5.0 Conclusions

The data collected during this evaluation of rock geochemistry at the Daneros Mine indicate the following:

- Uranium mineralization at Daneros is hosted by sandstones and conglomerates of the Shinarump Member of the Chinlee Formation, and uranium mineralization is spatially associated with accumulations of fossilized wood and pyrite mineralization.

- The potential for development rock to generate acid varies, but overall, the average characteristics of development rock indicate that it does have potential to generate acid.

- The acid potential of the development rock varies over short distances within the underground mine. Therefore, segregation of acid generating and non-acid generating development rock during mining is likely to be difficult.

- Both development rock and ore have potential to generate deleterious leachate if sufficient water is present to cause percolation through the rock piles. Ore has potential to generate leachate containing antimony, arsenic, nitrate, thallium and uranium, and development rock has potential to generate leachate containing arsenic, nitrate and uranium.

- The development rock and ore both have the potential to cause direct contact risks related to arsenic to BLM campers and BLM workers.

- Ore has potential to cause direct contact risks to wildlife/livestock from copper, lead and zinc, and development rock has potential to cause direct contact risks to wildlife/livestock from copper.

Although the rock has potential to generate acid and deleterious leachate, the Daneros Mine is located in an arid environment. Therefore, sufficient moisture is not expected to be present to cause significant percolation and associated acid rock drainage or discharge of other deleterious leachate. In addition, a soil cover will be placed over the regraded development rock areas during reclamation and an inert material layer will be installed between the soil and the underlying development rock. Together, these two layers will serve as a “store and release” cover to store precipitation during brief wet periods and to provide for evaporation and transpiration of this moisture back to the atmosphere during dry periods of the year. The soil cover and the associated store and release processes are expected to limit percolation of water through the development rock piles and control potential generation of acid rock drainage or deleterious leachate. The soil cover will also mitigate potential direct contact risks associated with arsenic or copper in the development rock. Because the temporary ore stockpiles are hauled to the White Mesa Mill near Blanding, Utah, where mineral processing and final disposal occurs, adverse environmental effects associated with ore or low grade ore are expected to be negligible.

6.0 References

American Society of Testing and Materials (ASTM). 2007. *Standard Test Method for Column Percolation Extraction of Mine Rock by the Meteoric Water Mobility Procedure*. ASTM E2242-07.

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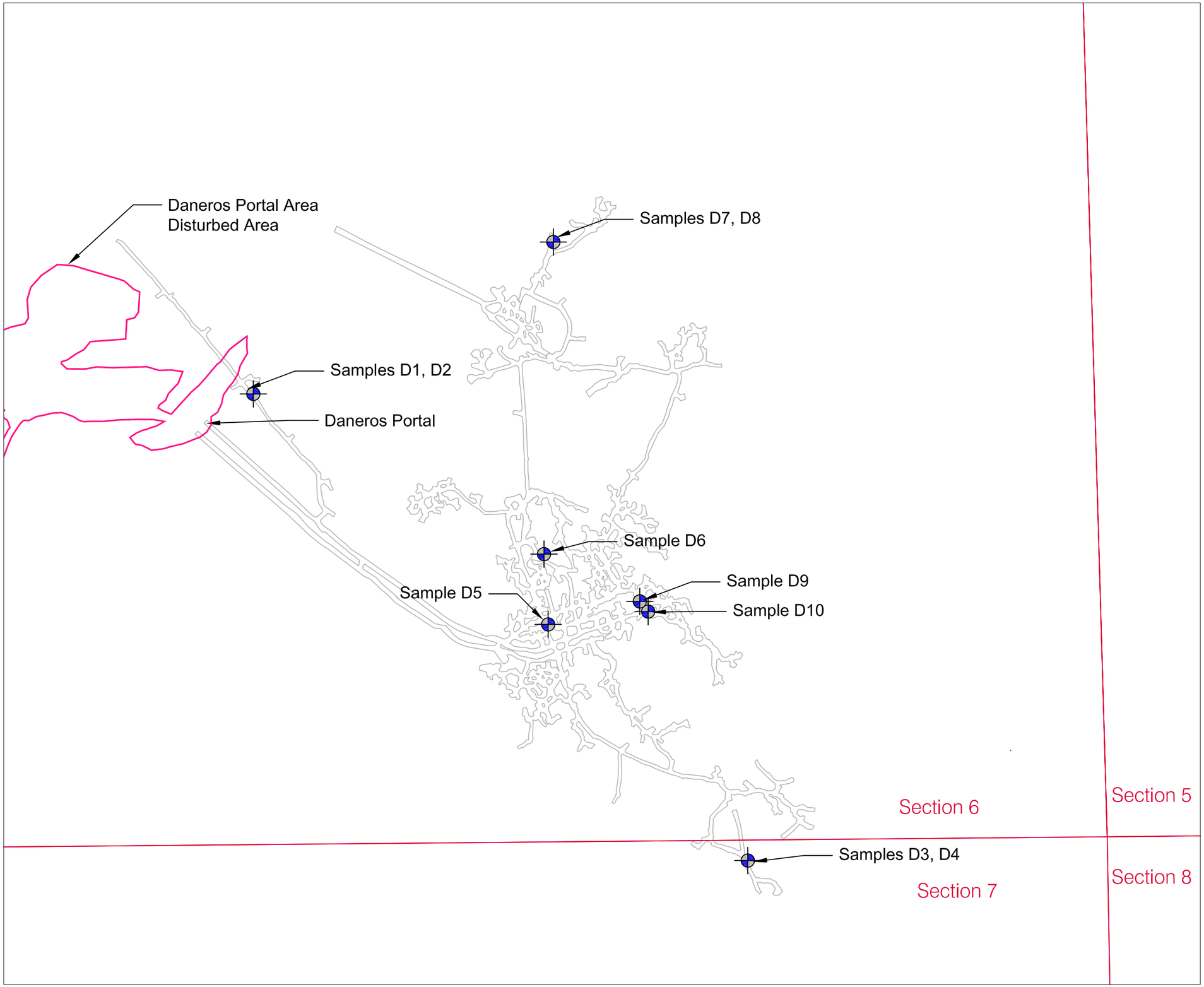
Figures



Sample Location

N
W
E
S

300 150 0 300 600

SCALE IN FEET

Energy Fuels Resources (USA) Inc.

REVISIONS		Project: Daneros Mine	
Date	By	County: San Juan	State: Utah
		Location: T 37 S R 16 E Sec 6	

Figure 1
Daneros Mine
Underground Sample Locations

Author: RJE | Date: 7/16/13 | Drafted By:

w:\usa\utah\daneros\mapping\wr sample locations.dwg 11x17l rellis

Legend

Paste pH

- 2.73 - 4.00
- 4.00 - 5.00
- 5.00 - 6.00
- 6.00 - 7.00
- 7.00 - 8.00

CDM Smith

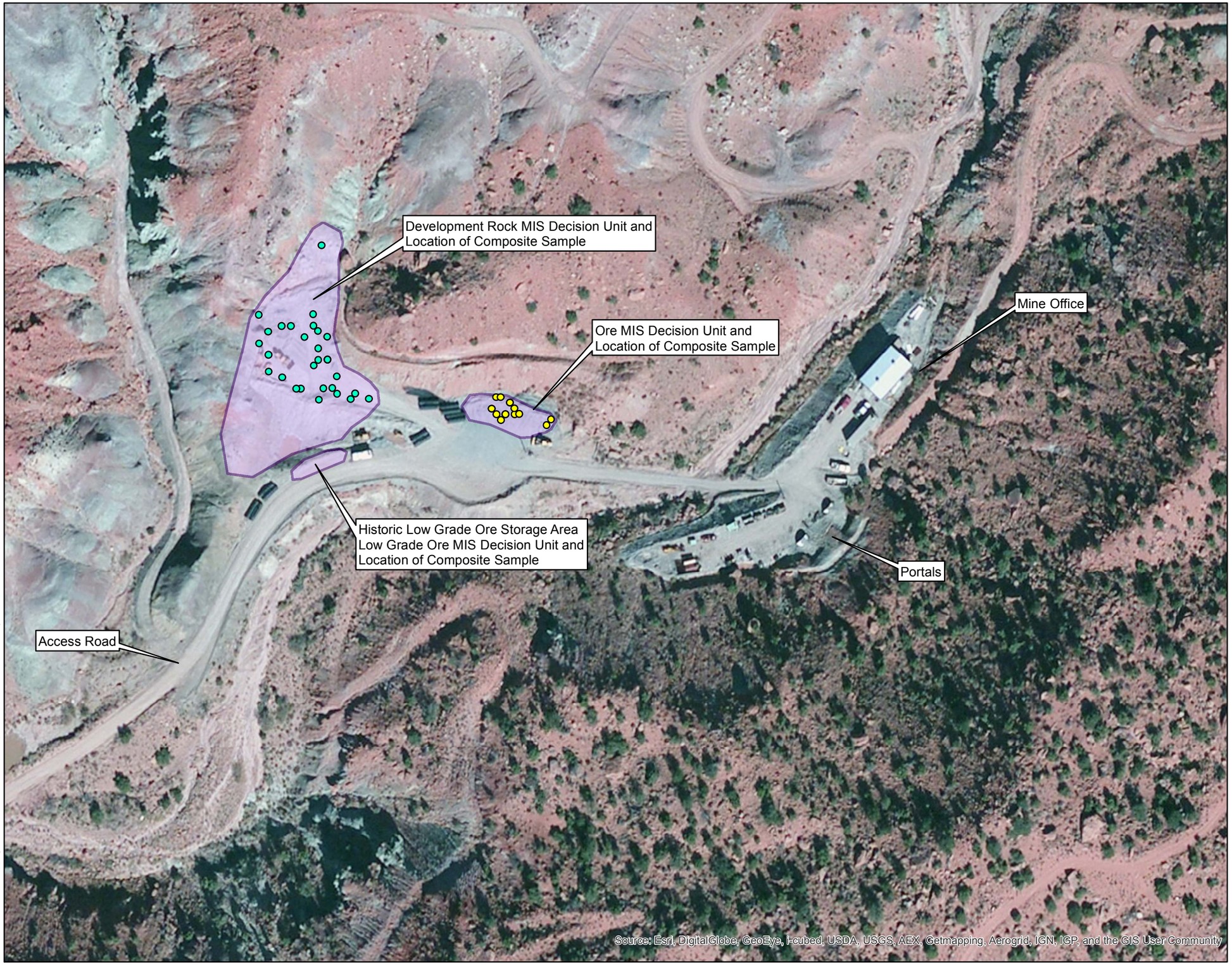
N

100 50 0 100

Feet

Figure 2

Daneros Mine Area
Paste pH
Survey Data



Legend

Multi-Increment Sample Location

- Daneros Ore Pile (Dop 1 through Dop 15)
- Daneros Waste Rock (Dwr 1 through Dwr 30)
- Multi-Increment Sample (MIS) Decision Unit and Location of Composite Sample

N

100 50 0 100

Feet

Figure 3

Daneros Mine Area Location of MIS Decision Units

W:\USA\Utah\Daneros\Mapping\Daneros MIS Decision Unit Map.mxd / 1/17/2014 8:59:23 AM by areither

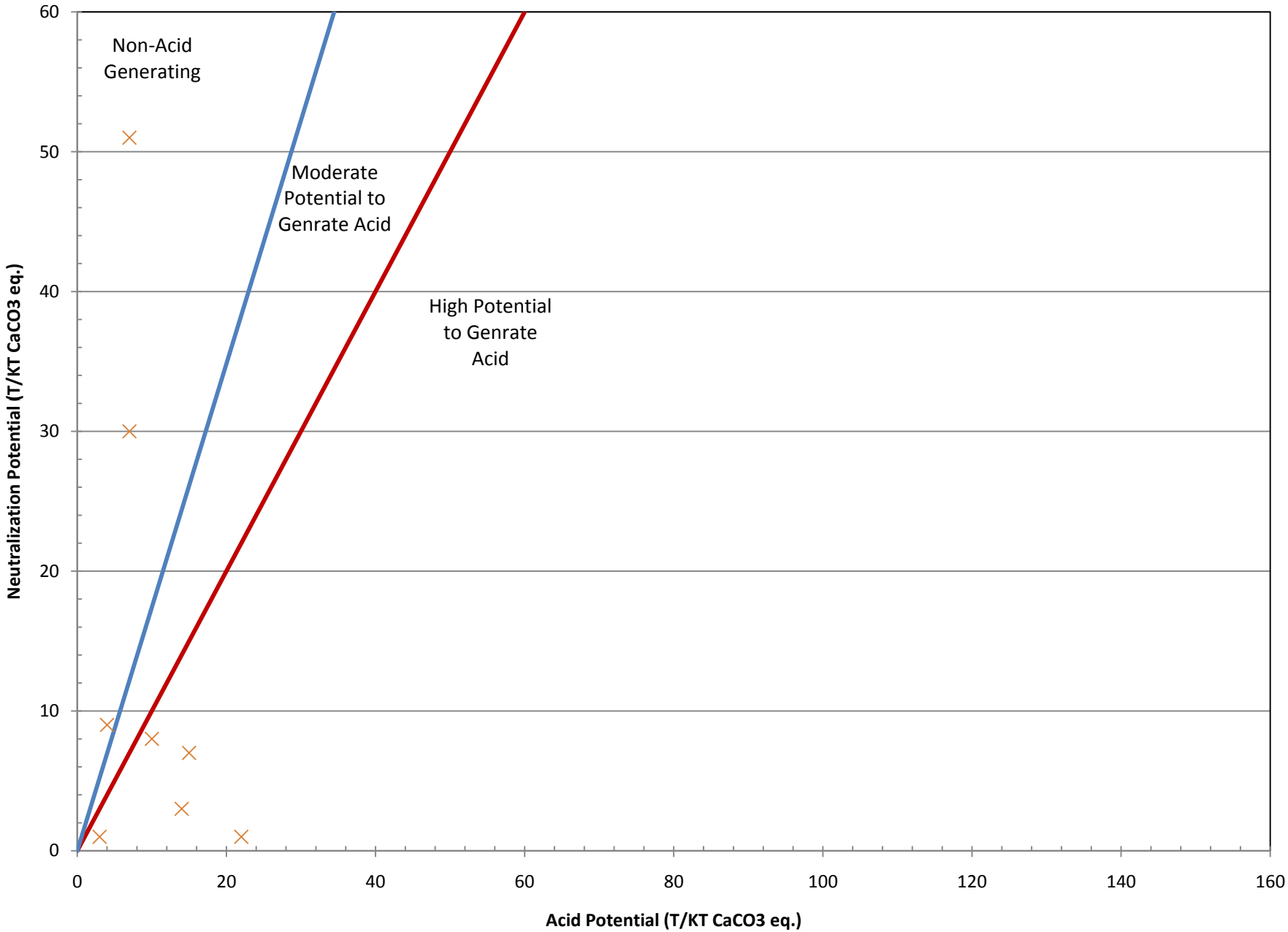


Figure 4

Acid Potential Versus Neutralization Potential- Utah Energy Corporation Samples

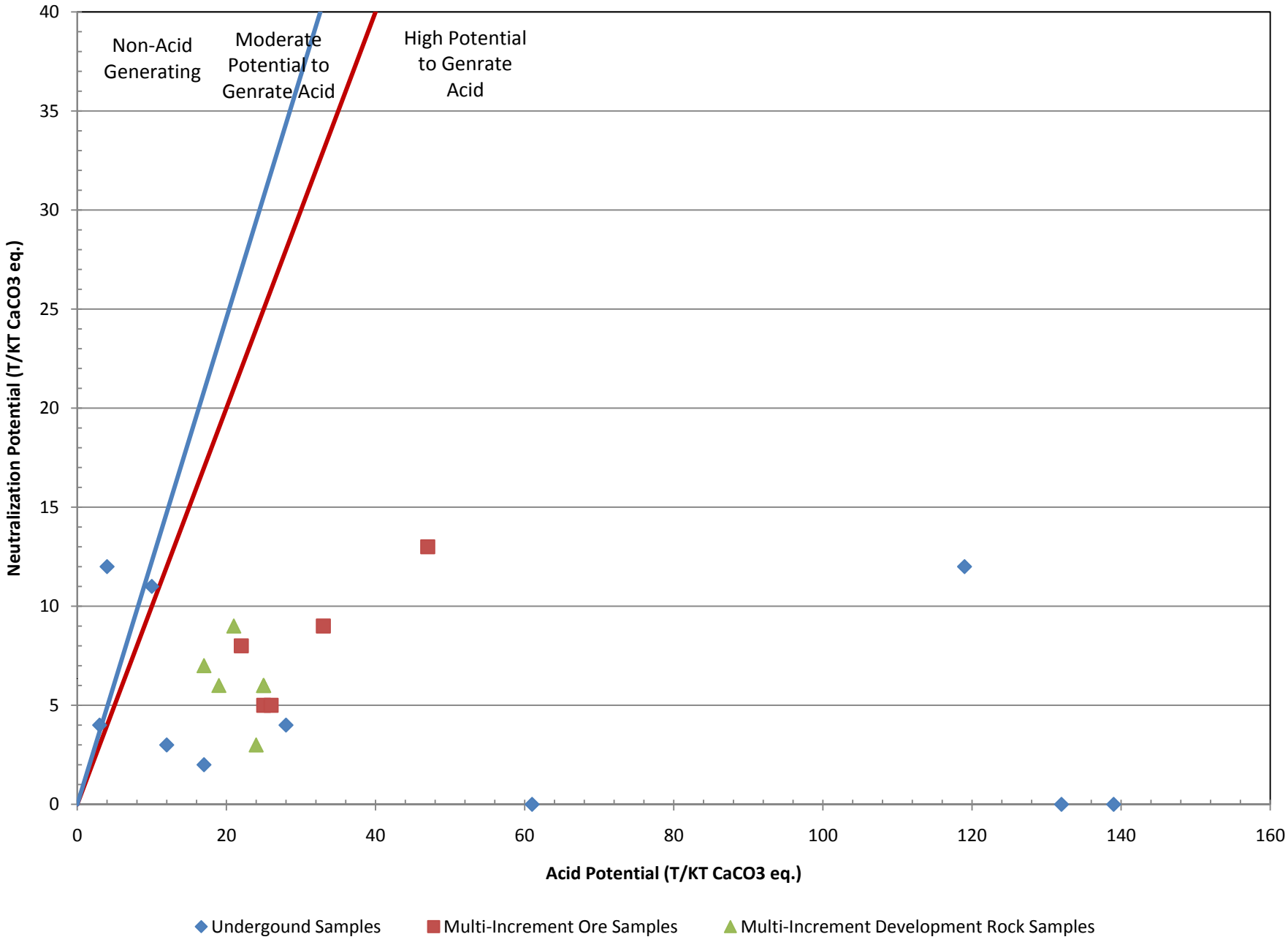


Figure 5

Acid Potential Versus Neutralization Potential- Samples Collected in 2012 Investigation

Tables

Table 1
Daneros Mine Acid Base Accounting Data

ClientSampID	Sample Type[1]	CollectionDate[2]	Acid Potential (T/KT $CaCO_3$ eq.)	Net Neutralization Potential (T/KT CaCO3 eq.)	Neutralization Potential (T/KT CaCO3 eq.)	NP:AP Ratio	Sulfur, HCl Extractable (%)	Sulfur, HNO3 Extractable (%)	Sulfur, Hot Water Extractable (%)	Sulfur, Residual (%)	Sulfur, Total (%)
D-1	Underground	6/20/2012	10	0.8	11	1.1	0.03	0.28	0.08	0.02	0.42
D-2	Underground	6/20/2012	28	-24	4	0.1	0.08	0.72	0.09	0.09	0.98
D-3	Underground	6/20/2012	139	-139	0	0.0	0.15	4	0.52	0.31	5
D-4	Underground	6/20/2012	4	8	12	3.0	0.01 U	0.05	0.02	0.06	0.13
D-5	Underground	6/20/2012	119	-107	12	0.1	0.22	1.8	0.28	1.8	4.1
D-6	Underground	6/20/2012	61	-61	0	0.0	0.01	1.6	0.8	0.36	2.7
D-7	Underground	6/20/2012	12	-9	3	0.3	0.04	0.31	0.15	0.04	0.54
D-8	Underground	6/20/2012	17	-15	2	0.1	0.04	0.44	0.24	0.08	0.79
D-9	Underground	6/20/2012	132	-132	0	0.0	0.12	3.6	0.86	0.48	5.1
D-10	Underground	6/20/2012	3	1	4	1.3	0.04	0.06	0.06	0.01 U	0.16
Daneros Ore Pile	Composite	5/17/2012	25	-20	5	0.2	0.01	0.79	0.01 U	0.5	1.3
Low Grade Ore	Composite	6/20/2012	47	-34	13	0.3	0.12	0.91	0.16	0.46	1.7
Ore 1	Multi-Increment Ore	6/4/2012	26	-21	5	0.2	0.01 U	0.62	0.19	0.22	1
Ore 2	Multi-Increment Ore	6/4/2012	22	-13	8	0.4	0.04	0.5	0.08	0.16	0.77
Ore 3	Multi-Increment Ore	6/4/2012	33	-23	9	0.3	0.01 U	0.87	0.1	0.18	1.2
Daneros Waste Rock	Composite	5/17/2012	24	-21	3		0.05	0.77	0.05	0.09	0.96
Waste Rock 1	Multi-Increment Development Rock	6/4/2012	19	-13	6	0.3	0.04	0.5	0.02	0.07	0.64
Waste Rock 1	Multi-Increment Development Rock	6/27/2012	25	-19	6	0.2	0.01 U	0.72	0.11	0.09	0.92
Waste Rock 2	Multi-Increment Development Rock	6/4/2012	25	-19	6	0.2	0.01 U	0.7	0.12	0.1	0.92
Waste Rock 2	Multi-Increment Development Rock	6/27/2012	21	-11	9	0.4	0.01 U	0.59	0.05	0.08	0.72
Waste Rock 3	Multi-Increment Development Rock	6/4/2012	25	-19	6	0.2	0.03	0.66	0.01	0.11	0.81
Waste Rock 3	Multi-Increment Development Rock	6/27/2012	17	-10	7	0.4	0.01 U	0.46	0.08	0.08	0.62
A/B-002	Utah Energy Corporation Samples	2/12/2009	15	-8	7	0.5	NA	NA	NA	NA	NA
A/B-003	Utah Energy Corporation Samples	2/13/2009	7	22	30	4.3	NA	NA	NA	NA	NA
A/B-004	Utah Energy Corporation Samples	2/14/2009	3	-2	1	0.3	NA	NA	NA	NA	NA
A/B-005	Utah Energy Corporation Samples	2/15/2009	7	45	51	7.3	NA	NA	NA	NA	NA
A/B-006	Utah Energy Corporation Samples	2/16/2009	4	5	9	2.3	NA	NA	NA	NA	NA
A/B-008	Utah Energy Corporation Samples	2/17/2009	14	-11	3	0.2	NA	NA	NA	NA	NA
A/B-009	Utah Energy Corporation Samples	2/18/2009	22	-21	1	0.0	NA	NA	NA	NA	NA
A/B-010	Utah Energy Corporation Samples	2/19/2009	10	-2	8	0.8	NA	NA	NA	NA	NA

Notes:
U = less than detection level
NA= not available
1- Utah Energy Corporation samples were collected in 2009 to support initial permitting of the Daneros Mine. Sample data from Appendix J of the Environmental Assessment for the Daneros Mine Project (BLM 2009)
2- Analysis date is provided for Utah Energy Corporation Samples, because the sample date is not available.

Table 2
Ore Samples- Extraction Test Results

		Composite Samples		Multi-Increment Ore Samples						
ClientSampID	Screening Criteria	Low Grade	Daneros Ore Pile	Ore 1	Ore 2	Ore 3				
CollectionDate		6/20/2012	5/17/2012	6/4/2012	6/4/2012	6/4/2012				
Analysis Method		SPLP	MWMP	MWMP	MWMP	MWMP	Average Ore	Standard Deviation	Relative Standard Deviation	90% UCL of Mean
Antimony	0.006	0.008 D	0.017	0.052	0.075	0.077	0.068	0.014	20%	0.083
Arsenic	0.05	0.051	0.022	0.079	0.124	0.118	0.107	0.024	23%	0.1336
Barium	2	0.050 U	0.029	0.072	0.084	0.079	0.078	0.006	8%	0.085
Beryllium	0.004	0.002 UD	0.001 U	0.001 U	0.001 U	0.001 U	0.001	0.000	0%	0.001
Cadmium	0.005	0.001 U	0.014	0.004	0.002	0.004	0.003	0.001	35%	0.005
Chromium	0.1	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001	0.000	0%	0.001
Copper	1.3	0.190	0.766	0.023	0.011	0.015	0.016	0.006	37%	0.023
Lead	0.015	0.001 U	0.004	0.001 U	0.001 U	0.002	0.001	0.001	43%	0.002
Manganese	NA	0.280	5.240	1.12	0.482	0.582	0.728	0.343	47%	1.102
Mercury	0.002	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001	0.000	0%	0.001
Molybdenum	NA	0.090	1.770	3.02	4.05	5.26	4.110	1.121	27%	5.331
Nickel	NA	0.490	9.640	2.58	1.03	1.11	1.573	0.873	55%	2.523
Nitrogen, Nitrate+Nitrite as N	10	11.600 DB	87.500	60.4	77.7	70	69.367	8.667	12%	78.800
Selenium	0.05	0.001	0.019	0.011	0.009	0.012	0.011	0.002	14%	0.012
Silver	0.1	0.002 UD	0.001 U	0.001 U	0.001 U	0.001 U	0.001	0.000	0%	0.001
Thallium	0.002	0.003 D	0.033	0.001 U	0.001 U	0.009	0.004	0.005	126%	0.009
Uranium	0.03	0.260 D	29.600	38	34.5	22.1	31.533	8.355	26%	40.630
Vanadium	NA	0.010 U	0.002	0.001 U	0.001 U	0.003	0.002	0.001	69%	0.003
Zinc	5	0.180 B	3.800	0.412	0.062	0.061	0.178	0.202	113%	0.399

Notes:
All units are miligrams per liter
U = Less than detection
D = Reporting limit increased due to sample matrix
B = The analyte was detected in the method blank
Red shaded cells exceed screening criterion

Table 3
Development Rock Samples- Extraction Test Results

		Composite Sample	Multi-Increment Development Rock Samples						
ClientSampID	Screening Criteria	Waste Rock 3	Waste Rock 1	Waste Rock 2	Waste Rock 3				
CollectionDate		6/4/2012	6/27/2012	6/27/2012	6/27/2012				
Analysis Method		SPLP	SPLP	SPLP	SPLP	Average Waste Rock	Standard Deviation	Relative Standard Deviation	90% UCL of Mean
Antimony	0.006	0.003	0.002	0.002	0.002	0.002	0.001	22%	0.002
Arsenic	0.05	0.150	0.13	0.19	0.29	0.190	0.071	37%	0.291
Barium	2	0.050 U	0.05 U	0.05 U	0.07	0.055	0.010	18%	0.069
Beryllium	0.004	0.003	0.001	0.001	0.003	0.002	0.001	58%	0.003
Cadmium	0.005	0.001 U	0.001 U	0.001 U	0.001 U	0.001	0.000	0%	0.001
Chromium	0.1	0.005 U	0.005 U	0.005 U	0.017	0.008	0.006	75%	0.017
Copper	1.3	0.180 B	0.098	0.12	0.31	0.177	0.095	54%	0.303
Lead	0.015	0.016 B	0.005 B	0.001 U	0.03 B	0.013	0.013	100%	0.029
Manganese	NA	0.220	0.31	0.19	0.2	0.230	0.055	24%	0.306
Mercury	0.002	0.002 U	0.002 U	0.002 U	0.002 U	0.002	0.000	0%	0.002
Molybdenum	NA	0.004	0.002	0.004	0.004	0.004	0.001	29%	0.005
Nickel	NA	0.180	0.21	0.18	0.28	0.213	0.047	22%	0.279
Nitrogen, Nitrate+Nitrite as N	10	12.000 DB	11.3 DB	11.8 DB	13.2 DB	12.075	0.806	7%	13.172
Selenium	0.05	0.001	0.001	0.001 U	0.001 U	0.001	0.000	0%	0.001
Silver	0.1	0.001 U	0.001 U	0.001 U	0.001 U	0.001	0.000	0%	0.001
Thallium	0.002	0.001	0.0011	0.0007	0.0016	0.001	0.000	32%	0.002
Uranium	0.03	0.250	0.16	0.091	1.3	0.450	0.570	127%	1.256
Vanadium	NA	0.010 U	0.01 U	0.01 U	0.01	0.010	0.000	0%	0.010
Zinc	5	0.120 B	0.13 B	0.09 B	0.18 B	0.130	0.037	29%	

Notes:
All units are miligrams per liter
U = Less than detection
D = Reporting limit increased due to sample matrix
B = The analyte was detected in the method blank
Red shaded cells exceed screening criterion

Table 4
Ore Samples- Total Metals Data

	Composite Samples		Multi-Increment Samples						
ClientSampID	Daneros Ore Pile	Low Grade	Ore 1	Ore 2	Ore 3		Standard	Relative Standard	
CollectionDate	5/17/2012	6/20/2012	6/4/2012	6/4/2012	6/4/2012	Average Ore	Deviation	Deviation	90% UCL of Mean
Antimony	0.5 U	0.7	0.5 U	0.6	0.5 U	0.5	0.1	11%	0.6
Arsenic	135.0	153.0	75.2	75.7	78.5	76.5	1.8	2%	78.4
Barium	6.5	129.0	75.0	72.7	88.0	78.6	8.3	11%	87.6
Beryllium	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5	0.0	0%	0.5
Cadmium	1.0	0.6	1.4	0.7	0.5 U	0.9	0.5	55%	1.4
Chromium	9.7	4.9	2.9	2.8	2.3	2.7	0.3	12%	3.0
Copper	3010.0 D	3160.0 D	1800.0	1690.0	1070.0	1520.0	393.6	26%	1948.0
Lead	125.0	107.0	56.8	49.8	113.0	73.2	34.6	47%	110.9
Manganese	81.9	34.9	25.7	22.0	14.4	20.7	5.8	28%	27.0
Mercury	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1	0.0	0%	0.1
Molybdenum	36.7	111.0 D	12.1	14.6	8.7	11.8	3.0	25%	15.0
Nickel	89.4	67.1	30.6	31.5	29.6	30.6	1.0	3%	31.6
Selenium	0.6	0.6	0.5 U	0.5 U	0.5 U	0.5	0.0	0%	0.5
Silver	1.5	5.4	0.5 U	0.5 U	0.5 U	0.5	0.0	0%	0.5
Thallium	3.7	2.6	1.2	1.0	0.9	1.0	0.2	15%	1.2
Uranium	1500.0 D	1850.0 D	450.0	451.0	463.0	454.7	7.2	2%	462.5
Vanadium	14.9	9.8	6.1 B	5.5 B	0.5 U	4.0	3.1	76%	7.4
Zinc	314.0 D	217.0 D	640.0 D	269.0 D	196.0 D	368.3	238.1	65%	628.0

Notes:
All values in miligrams per kilogram
U = Less than detection
D = Reporting limit increased due to sample matrix
B = The analyte was detected in the method blank

Table 5
Development Rock- Total Metals Data

	Multi-Increment Samples							Multi-Increment Samples						
ClientSampID	Waste Rock 1	Waste Rock 2	Waste Rock 3		Standard	Relative Standard		Waste Rock 1	Waste Rock 2	Waste Rock 3		Standard	Relative Standard	
CollectionDate	6/4/2012	6/4/2012	6/4/2012	Average Ore	Deviation	Deviation	90% UCL of Mean	6/27/2012	6/27/2012	6/27/2012	Average Ore	Deviation	Deviation	90% UCL of Mean
Antimony	0.5 U	0.5 U	0.5 U	0.5	0.0	0%	0.5	0.5 U	0.5 U	0.5 U	0.5	0.0	0%	0.5
Arsenic	41.5	46.8	49.3	45.9	4.0	9%	50.2	45.9	41.8	110.0	65.9	38.2	58%	107.5
Barium	128.0	144.0	150.0 D	140.7	11.4	8%	153.1	113.0 D	127.0 D	110.0 D	116.7	9.1	8%	126.5
Beryllium	0.5 U	0.5 U	0.5	0.5	0.0	0%	0.5	0.5 U	0.5 U	0.5 U	0.5	0.0	0%	0.5
Cadmium	0.5 U	0.5 U	0.5 U	0.5	0.0	0%	0.5	0.5	0.5 U	0.5 U	0.5	0.0	0%	0.5
Chromium	4.0	4.3	7.8	5.4	2.1	39%	7.7	2.0	3.1	2.7	2.6	0.6	21%	3.2
Copper	459.0	464.0	568.0 D	497.0	61.5	12%	564.0	139.0 D	101.0 D	242.0 D	160.7	73.0	45%	240.1
Lead	25.3	29.5	54.9	36.6	16.0	44%	54.0	38.5	21.9 D	46.3 D	35.6	12.5	35%	49.1
Manganese	32.3	34.0	48.6	38.3	9.0	23%	48.1	16.5	22.3	20.5	19.8	3.0	15%	23.0
Mercury	0.1 U	0.1 U	0.1 U	0.1	0.0	0%	0.1	0.1 U	0.1 U	0.1 U	0.1	0.0	0%	0.1
Molybdenum	3.6	3.1	3.8	3.5	0.4	10%	3.9	4.0	1.6	4.2	3.3	1.4	44%	4.8
Nickel	24.5	26.3	33.3	28.0	4.6	17%	33.1	24.8	21.6	33.0	26.5	5.9	22%	32.9
Selenium	0.5 U	0.5 U	0.5 U	0.5	0.0	0%	0.5	0.5 U	0.5 U	0.5 U	0.5	0.0	0%	0.5
Silver	0.5 U	0.5 U	0.5 U	0.5	0.0	0%	0.5	0.5	0.5 U	0.5 U	0.5	0.0	0%	0.5
Thallium	0.8	0.9	1.3	1.0	0.3	26%	1.3	1.3	0.7	2.2	1.4	0.8	54%	2.2
Uranium	126.0	117.0	172.3 UD	138.4	29.6	21%	170.7	44.7	37.3	121.0	67.7	46.3	68%	118.1
Vanadium	6.8 B	6.8 B	12.3	8.6	3.2	37%	12.1	4.7 B	5.6 B	5.7 B	5.3	0.6	10%	5.9
Zinc	87.3 D	121.0 D	95.1 D	101.1	17.6	17%	120.3	130.0 D	32.7 D	99.8 D	87.5	49.8	57%	141.7

Notes:
All values in miligrams per kilogram
U = Less than detection
D = Reporting limit increased due to sample matrix
B = The analyte was detected in the method blank

Table 6
Comparison of Total Metals Data to Screening Levels

Analyte	BLM Soil Screening Criteria[1]					EPA Industrial Soil Screening Level (SSL)[2]	Mine Total Metals Data and Comparison to Screening Levels																				
	Camper	ATV Driver	Worker	Surveyor	Wildlife/Livestock		Ore 90% UCL of Mean	BLM Camper	BLM ATV Driver	BLM Worker	BLM Surveyor	BLM Wildlife/Livestock	EPA Industrial	Development Rock 06-05-2012 90% UCL of Mean	BLM Camper	BLM ATV Driver	BLM Worker	BLM Surveyor	BLM Wildlife/Livestock	EPA Industrial	Development Rock 06-27-2012 90% UCL of Mean	BLM Camper	BLM ATV Driver	BLM Worker	BLM Surveyor	BLM Wildlife/Livestock	EPA Industrial
Antimony	50	750	100	600		na	0.6						na	0.5						na	0.5						na
Arsenic	20	300	12	100	200	na	78.4	*		*			na	50.2	*		*			na	107.5	*		*	*		na
Barium						190,000	87.6							153.1							126.5						
Beryllium						2,000	0.5							0.5							0.5						
Cadmium	70	950	100	800	3	na	1.4						na	0.5						na	0.5						na
Chromium[3]						200	3.0							7.7							3.2						
Copper	5,000	70,000	7,400	59,000	64	na	1948.0					*	na	564.0					*	na	240.1					*	na
Lead	1,000	1,000	2,000	2,000	106	na	110.9					*	na	54.0						na	49.1						na
Manganese	19,000	250,000	28,000	220,000		na	27.0						na	48.1						na	23.0						na
Mercury	40	550	60	480	2	na	0.1						na	0.1						na	0.1						na
Molybdenum							15.0							3.9							4.8						
Nickel	2,700	38,000	4,000	32,000		na	31.6						na	33.1						na	32.9						na
Selenium	700	9,600	1,000	8,000		na	0.5						na	0.5						na	0.5						na
Silver	700	9,600	1,000	8,000		na	0.5						na	0.5						na	0.5						na
Thallium						66	1.2							1.3							2.2						
Uranium						3,100	462.5							170.7							118.1						
Vanadium						5,200	7.4							12.1							5.9						
Zinc	40,000	550,000	60,000	480,000	222	na	628.0					*	na	120.3						na	141.7						na

Notes:
All concentrations shown are in units of milligrams per kilogram (mg/kg).
* - Indicates that sample concentration exceeds respective screening criteria.
na - Screening value not applicable because more appropriate BLM screening criteria available
D - Reporting limit increased due to sample matrix interference.
U - Non-detect result. Value shown is equal to the reporting limit.
1 - BLM Soil Screening Criteria were obtained from *Risk Management Criteria for Metals at BLM Mining Sites, U.S. Department of Interior, Bureau of Land Management, Technical Note 390 rev., October 2004 Table 2, Human Risk Management Criteria and Table 4, Wildlife and Livestock Risk Management Criteria for Metals in Soils.*
Values for wildlife/livestock screening criteria indicated are the most stringent of the screening criteria for Deer Mouse, Cottontail, Bighorn Sheep, White-Tailed Deer, Mule Deer, Elk, Cattle, and Sheep.
2 - EPA Industrial Screening Criteria are applied only to analytes are not included in BLM screening criteria and were obtained from a combination of EPA Region 3 risk based concentrations (RBCs), Region 6 Human Health Medium-Specific Screening Levels (HHMSSLs), and the Region 9 Preliminary Remediation Goals (PRGs). Values from all of these tables has been combined in an online database by EPA that can be found at the following location: http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/index.htm.
3. Chromium criteria shown are for chromium VI (particulates).

Attachment 1
Sampling Plan

Memorandum

To: *Christy Woodward PE, Denison Mines (USA) Corp*

From: *Mark Nelson PG, CDM*

Date: *June 5, 2012*

Subject: *Proposed geochemical sampling at Daneros Mine*

Denison Mines (USA) Corp is planning to collect samples at the Daneros Mine to evaluate geochemical characteristics of development rock, ore and low grade ore to address state of Utah regulatory requirements. This memorandum provides a summary of the proposed sampling program. This program is designed to assess acid rock drainage (ARD) and metals leaching (ML) potential of development rock and ore at the Daneros mine.

The Daneros mine has operated intermittently in past decades, and the mine is currently in production. This provides an opportunity to sample the exposed ore body, development rock that is currently being excavated, and development rock that was produced by past operators. Data developed from the sampling program will be analyzed using a weight of evidence approach to support mine permitting and development of an effective rock management program, which addresses state of Utah and US Bureau of Land Management requirements.

Previous Sampling

Eight samples were collected at the Daneros mine by a previous operator in 2009. Results from this sampling program indicate that some Daneros rock may have the potential to generate acid rock drainage. However, the previous sampling is not sufficient to evaluate the overall geochemical characteristics of the rock in adequate detail to support mine permitting and development of an effective rock management program. The deficiencies in the existing data relate to:

- Uncertainty in how the eight samples are representative of the overall mass of development rock and ore that will be produced at Daneros
- Uncertainty regarding the mineralogy of sulfide minerals present in the rock

Additional sampling and laboratory analyses are necessary to address these data gaps.

Proposed 2012 Sampling

The proposed sampling program is designed to assess overall environmental characteristics of rock produced at the mine, evaluate mineralogical characteristics of the rock to support interpretation of acid base accounting data, and collect information regarding the range of environmental characteristics associated with the mine rock. The project will utilize the following sampling approaches:

- Collection of multi-increment samples of development rock and ore to assess overall average geochemical characteristics including acid rock drainage (ARD) potential and metals leaching (ML) potential

- Collection of discrete samples of various lithologies to understand the range of geochemical characteristics, and indentify the minerals that contribute to the apparent ARD potential

- Completion of a field paste pH survey to assess characteristics of rock that has been mined previously, which provides an opportunity to understand the weathering behavior of Daneros rock that has been exposed to surface weathering for a period of years to decades

Multi-increment Sampling

Multi-increment sampling (MIS) (Ramsey 2007) is proposed to evaluate overall average characteristics of ore and development rock. The multi-increment sampling approach is relatively new, and is designed to support good decisions regarding environmental data. The MIS approach is currently used by the US Environmental Protection Agency and several state regulatory agencies, because it supports statistically defensible management decisions based on environmental data. The Interstate Technology and Regulatory Council (ITRC), a national coalition of state regulators, industry and stakeholders also recognizes the utility of this sampling approach and is in the process of developing guidance for implementation of MIS sampling.

MIS uses a statistically robust approach to address inherent challenges in interpreting environmental sampling data, which are often not normally distributed. The presence of non-normal populations causes uncertainty in interpreting data, because common statistical approaches such as calculation of averages are tenuous. Non-normal populations are common at mine sites, which can cause uncertainty in interpretation of geochemical data developed from discrete point samples unless the number of samples collected and analyzed is quite large.

The MIS approach is based, in part, on the Central Limit Theorem, which states:

> *If random samples of fixed size are drawn from a population whose theoretical distribution is of arbitrary shape, but with fixed mean and variance, the distribution of the sample mean tends more toward a normal frequency*

> *distribution as the size of the sample (number of discrete samples) increases (Koch and Link 1971).*

In other words, even if the underlying sample population is not normally distributed, the distribution of the means of replicate sampling events tends to be normally distributed as long as the number of samples is large. The number of samples generally must be at least 30, and is dependent on the characteristics of the underlying population (Ramsey 2007). In the MIS approach, triplicate 30-point multi-increment samples are collected and analyzed, and the mean and upper confidence limit (UCL) of the mean of the triplicate samples is calculated to support good environmental management decisions. This provides for total sample support of 90 samples for a given mine facility or rock type. The MIS approach also provides for efficient use of laboratory analyses, because the individual increments of each 30-point multi-increment sample are not analyzed in the laboratory.

MIS sampling proposed for the Daneros Mine consists of the following:

- Collection of three 30-point multi-increment samples each from development rock, low grade ore and ore stockpiles recently produced at the Daneros mine (30 individual samples would be combined into each multi-increment sample and prepared for laboratory analysis)

- Laboratory analysis of each of these samples using acid base accounting (Modified Sobek Procedure), the Meteoric Water Mobility Procedure (American Society of Testing and Materials Method E 2242), and total metals analyses using inductively coupled plasma mass spectrometry (ICP-MS)

- Calculation of the mean and UCL of the mean for the development rock, low grade ore and ore stockpile samples for environmental parameters of interest

This MIS approach will provide for a robust analysis of the overall geochemical characteristics of these material types.

Collection of Discrete Samples of Various Lithologies

Previous geochemical sampling conducted at the Daneros mine suggests that some of the rock is potentially acid generating. Therefore, rock management practices may be necessary to appropriately manage these materials. Discrete sampling is proposed to assess the range of geochemical characteristics of the Daneros Mine rock. These samples will focus on providing additional data related to ARD potential, which will be assessed though ABA laboratory analyses, total metals analysis, and scanning electron microscopy-energy dispersive spectroscopy (SEM-EDS).

The purpose of the SEM-EDS analyses is to define the sulfide mineralogy of the samples. The standard approach to analysis of modified Sobek ABA data assumes that all "pyritic sulfur" (the nitric acid-digestible and residual sulfur fractions) is pyrite (FeS_2). This is a conservative assumption in cases where pyrite is not the dominant sulfide mineral. At the Daneros mine, uranium mineralization is associated with copper mineralization in the form of chalcopyrite ($CuFeS_2$) (M. Mathisen, Senior Geologist, Denison Mines (USA) Corp, personnel communication 2012). Chalcopyrite does not generate acid at the same rate as pyrite (Plumlee 1999), and the standard ABA assumption that all "pyritic sulfur" is pyrite may overestimate the ARD potential of Daneros Mine rock. The SEM-EDS mineralogical data will be used to assess the sulfide mineralogy of the rock to support interpretation of the ABA data. Total metals analyses of the samples will be conducted to assess the total concentration of copper and other metals in the samples. This will provide for accurate assessment of the ABA data in the case that significant chalcopyrite is present.

Field Paste pH Data

A field paste pH survey is proposed to evaluate the weathering characteristics of Daneros Mine rock that is present on the surface, and which has been exposed to surface weathering conditions for a period of years to decades. Because this rock was mined from the same ore deposit and location as the proposed mining, paste pH data will support interpretation of the laboratory data by identifying rock that is currently acid generating. This survey will utilize a rapid field geochemical characterization procedure that includes paste pH, paste conductivity, and visual examination of lithology and mineralization.

Because Daneros Mine rock is available on the surface and has been exposed to natural weathering for a period of years to decades, this provides an opportunity to evaluate the actual weathering characteristics of the rock. Accordingly, laboratory kinetic tests designed to predict natural weathering characteristics are not recommended.

Future Geochemical Sampling

The ore body at the Daneros Mine is currently being mined and active stopes that produce fresh unweathered mine rock are available for sampling. As mining progresses in future years, new portions of the ore body will be exposed. The mineralogical and geochemical characteristics of rock mined in future years are not expected to change markedly. However, it is possible that the geochemical characteristics of the rock could change in the future. Existing drill core or drill cuttings samples are not available for laboratory testing to assess rock that will be mined in future years, and very steep topography precludes surface drilling to assess rock that will be mined in the future.

Therefore, an on-going geochemical testing program will be proposed for the Daneros Mine, which will provide information to assess if mineralogical or geochemical

characteristics are changing as mining progresses. An adaptive management approach will be developed to provide for any required changes in rock management procedures, which may result from unexpected changed in the rock produced at the mine.

References

Kock, G.S., and Link, R.F., 1971, *Statistical Analysis of Geological Data*, Dover Publications Inc., New York.

Plumlee, G.S., *The Environmental Geochemistry of Mineral Deposits*, in Plumlee, G.S. and Logdsen, M.J., The Environmental Geochemistry of Mineral Deposits, Reviews in Economic Geology Volume 6A, Society of Economic Geologists Inc. Littleton, Colorado.

Ramsey, C., 2007, *Sampling for Defensible Environmental Decisions*, Envrostat, Inc., Short Course Manual.

Attachment 2
Historical Geochemical Characterization Data

DANEROS MINE ACID PRODUCING POTENTIAL SAMPLING PROGRAM

Sampling strategy

Eight samples were collected from the Daneros project area for NAG and NAPP testing at Energy Laboratories of Caspar WY. For field samples, five pound samples were collected in calico sample bag at Daneros. For drill core, Two pound samples were composited from the coarse residue samples from crushed diamond core samples previously prepared by American Assay Laboratories of Sparks NV.

Samples included Waste Dump from the McCarty-Coleman decline of the Lark Mine which has been in situ for at least 30 years), diamond core samples from across the Daneros Ore zone (sub-ore mineralisation included), and one sample from the Bullseye Decline.

The inclusion of sub-ore intervals allows the investigation of response in the worst case scenario where ore or sub-ore are accidently placed on the waste dump. It is planned to segregate sub-ore and replace it in the mine workings in worked out stopes.

Analysis

Samples were determined for:

AGRONOMIC PROPERITES	**Method**
Neutralization Potential	ASDA23c
Lime as $CaCO_3$	ASDA23c
NET ACID GENERATION	
NAG	AADP-NAG
NAG pH	AADP-NAG
ACID-BASE POTENTIAL	
Neutralization Potential	Sobek
Acid Potential	Sobek
Acid/base Potential	Sobek

The analyses are used to determine the acid generating capacity of samples, by jointly assessing the NAG and NAPP results.

Samples are classified as Potentially Acid Forming, Non Acid Forming and Uncertain.

Potentially Acid Forming samples had a positive NAPP and a NAGpH < 4.5

Non Acid Forming samples had a negative NAPP and a NAGpH > 4.5

Samples denoted as **Uncertain** had results that plot close to the boundary zone or had apparent conflicts between the NAPP and NAG results.

Results

All samples were determined to be either Non Acid Forming or Uncertain. There were no unequivocal Potentially Acid Forming samples.

Samples were:		**Result**
B002	DDH DAN 025, samples D1023-D1034	Uncertain
B003	Vertical channel sample through top of Lark Waste Dump	Non-acid Forming
B004	Vertical channel sample through top of Lark Waste Dump	Non-acid Forming
B005	Vertical channel sample through base of Lark Waste Dump	Non-acid Forming
B006	Vertical channel sample through base of Lark Waste Dump	Non-acid Forming
B008	200' down Bullseye decline, from wall	Uncertain
B009	DDH DAN018, samples D1056-D1059, sub-ore, 277 ppm U, 0.5% S	Uncertain
B010	DDH DAN019, samples 1064-D1068, sub-ore, 149 ppm U, 0.4% S	Uncertain

The results indicate a significant proportion of carbonate available for acid neutralization within some of the sub-ore samples and generally within the waste.

Existing historical waste dump

The results from samples B003 to B006 are the most critical for the sampling exercise. They are from the Lark Waste Dump and are from workings on a uranium bearing channel at the same horizon and adjacent to the proposed Daneros workings. It can be inferred that they are similar to the waste that would be produced from Daneros. The Lark dump has been in place and exposed to rainfall and drainage from Bullseye Canyon creek for over 30 years. Any potential for acid producing from these rocks would be evident today. The analytical results indicate a strong neutralizing potential even after exposure of contained sulfur to weathering over this period.

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LABORATORY ANALYTICAL REPORT

Client: Utah Energy Corporation
Project: Not Indicated
Lab ID: C09020283-002
Client Sample ID: A/B-002

Report Date: 02/12/09
Collection Date: Not Provided
DateReceived: 02/04/09
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
AGRONOMIC PROPERTIES							
Neutralization Potential	7	Tons/1000T				USDA23c	02/11/09 13:00 / eli-h
Lime as CaCO3	0.7	%		0.1		USDA23c	02/11/09 13:00 / eli-h
NET ACID GENERATION							
NAG	8.6	s.u.		0.10		AADP-NAG	02/12/09 15:08 / eli-h
NAG pH	2.8	s.u.		0.01		AADP-NAG	02/12/09 15:08 / eli-h
ACID-BASE POTENTIAL							
Neutralization Potential	7	t/kt				Sobek Modifie	02/11/09 13:00 / eli-h
Acid Potential	15	t/kt		0.3		Sobek Modifie	02/10/09 13:00 / eli-h
Acid/Base Potential	-8	t/kt				Sobek Modifie	02/10/09 13:00 / eli-h

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Utah Energy Corporation
Project: Not Indicated
Lab ID: C09020283-003
Client Sample ID: A/B-003

Report Date: 02/12/09
Collection Date: Not Provided
DateReceived: 02/04/09
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
AGRONOMIC PROPERTIES							
Neutralization Potential	30	Tons/1000T				USDA23c	02/11/09 13:00 / eli-h
Lime as CaCO3	3.0	%		0.1		USDA23c	02/11/09 13:00 / eli-h
NET ACID GENERATION							
NAG	ND	s.u.		0.10		AADP-NAG	02/12/09 15:08 / eli-h
NAG pH	6.3	s.u.		0.01		AADP-NAG	02/12/09 15:08 / eli-h
ACID-BASE POTENTIAL							
Neutralization Potential	30	t/kt				Sobek Modifie	02/11/09 13:00 / eli-h
Acid Potential	7	t/kt		0.3		Sobek Modifie	02/10/09 13:00 / eli-h
Acid/Base Potential	22	t/kt				Sobek Modifie	02/10/09 13:00 / eli-h

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Utah Energy Corporation
Project: Not Indicated
Lab ID: C09020283-004
Client Sample ID: A/B-004

Report Date: 02/12/09
Collection Date: Not Provided
DateReceived: 02/04/09
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
AGRONOMIC PROPERTIES							
Neutralization Potential	1	Tons/1000T				USDA23c	02/11/09 13:00 / eli-h
Lime as CaCO3	0.1	%		0.1		USDA23c	02/11/09 13:00 / eli-h
NET ACID GENERATION							
NAG	ND	s.u.		0.10		AADP-NAG	02/12/09 15:08 / eli-h
NAG pH	6.4	s.u.		0.01		AADP-NAG	02/12/09 15:08 / eli-h
ACID-BASE POTENTIAL							
Neutralization Potential	1	t/kt				Sobek Modifie	02/11/09 13:00 / eli-h
Acid Potential	3	t/kt		0.3		Sobek Modifie	02/10/09 13:00 / eli-h
Acid/Base Potential	-2	t/kt				Sobek Modifie	02/10/09 13:00 / eli-h

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Utah Energy Corporation
Project: Not Indicated
Lab ID: C09020283-005
Client Sample ID: A/B-005

Report Date: 02/12/09
Collection Date: Not Provided
DateReceived: 02/04/09
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
AGRONOMIC PROPERTIES							
Neutralization Potential	51	Tons/1000T				USDA23c	02/11/09 13:00 / eli-h
Lime as CaCO3	5.1	%		0.1		USDA23c	02/11/09 13:00 / eli-h
NET ACID GENERATION							
NAG	ND	s.u.		0.10		AADP-NAG	02/12/09 15:08 / eli-h
NAG pH	7.8	s.u.		0.01		AADP-NAG	02/12/09 15:08 / eli-h
ACID-BASE POTENTIAL							
Neutralization Potential	51	t/kt				Sobek Modifie	02/11/09 13:00 / eli-h
Acid Potential	7	t/kt		0.3		Sobek Modifie	02/10/09 13:00 / eli-h
Acid/Base Potential	45	t/kt				Sobek Modifie	02/10/09 13:00 / eli-h

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Utah Energy Corporation
Project: Not Indicated
Lab ID: C09020283-006
Client Sample ID: A/B-006

Report Date: 02/12/09
Collection Date: Not Provided
DateReceived: 02/04/09
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
AGRONOMIC PROPERTIES							
Neutralization Potential	9	Tons/1000T				USDA23c	02/11/09 13:00 / eli-h
Lime as CaCO3	0.9	%		0.1		USDA23c	02/11/09 13:00 / eli-h
NET ACID GENERATION							
NAG	ND	s.u.		0.10		AADP-NAG	02/12/09 15:08 / eli-h
NAG pH	6.0	s.u.		0.01		AADP-NAG	02/12/09 15:08 / eli-h
ACID-BASE POTENTIAL							
Neutralization Potential	9	t/kt				Sobek Modifie	02/11/09 13:00 / eli-h
Acid Potential	4	t/kt		0.3		Sobek Modifie	02/10/09 13:00 / eli-h
Acid/Base Potential	5	t/kt				Sobek Modifie	02/10/09 13:00 / eli-h

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Utah Energy Corporation
Project: Not Indicated
Lab ID: C09020283-008
Client Sample ID: A/B-008

Report Date: 02/12/09
Collection Date: Not Provided
DateReceived: 02/04/09
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
AGRONOMIC PROPERTIES							
Neutralization Potential	3	Tons/1000T				USDA23c	02/11/09 13:00 / eli-h
Lime as CaCO3	0.3	%		0.1		USDA23c	02/11/09 13:00 / eli-h
NET ACID GENERATION							
NAG	1.9	s.u.		0.10		AADP-NAG	02/12/09 15:08 / eli-h
NAG pH	3.7	s.u.		0.01		AADP-NAG	02/12/09 15:08 / eli-h
ACID-BASE POTENTIAL							
Neutralization Potential	3	t/kt				Sobek Modifie	02/11/09 13:00 / eli-h
Acid Potential	14	t/kt		0.3		Sobek Modifie	02/10/09 13:00 / eli-h
Acid/Base Potential	-11	t/kt				Sobek Modifie	02/10/09 13:00 / eli-h

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Utah Energy Corporation
Project: Not Indicated
Lab ID: C09020283-009
Client Sample ID: A/B-009

Report Date: 02/12/09
Collection Date: Not Provided
DateReceived: 02/04/09
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
AGRONOMIC PROPERTIES							
Neutralization Potential	1	Tons/1000T				USDA23c	02/11/09 13:00 / eli-h
Lime as CaCO3	0.1	%		0.1		USDA23c	02/11/09 13:00 / eli-h
NET ACID GENERATION							
NAG	49	s.u.		0.10		AADP-NAG	02/12/09 15:08 / eli-h
NAG pH	2.2	s.u.		0.01		AADP-NAG	02/12/09 15:08 / eli-h
ACID-BASE POTENTIAL							
Neutralization Potential	1	t/kt				Sobek Modifie	02/11/09 13:00 / eli-h
Acid Potential	22	t/kt		0.3		Sobek Modifie	02/10/09 13:00 / eli-h
Acid/Base Potential	-21	t/kt				Sobek Modifie	02/10/09 13:00 / eli-h

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Utah Energy Corporation
Project: Not Indicated
Lab ID: C09020283-010
Client Sample ID: A/B-010

Report Date: 02/12/09
Collection Date: Not Provided
DateReceived: 02/04/09
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
AGRONOMIC PROPERTIES							
Neutralization Potential	8	Tons/1000T				USDA23c	02/11/09 13:00 / eli-h
Lime as CaCO3	0.8	%		0.1		USDA23c	02/11/09 13:00 / eli-h
NET ACID GENERATION							
NAG	4.4	s.u.		0.10		AADP-NAG	02/12/09 15:08 / eli-h
NAG pH	3.1	s.u.		0.01		AADP-NAG	02/12/09 15:08 / eli-h
ACID-BASE POTENTIAL							
Neutralization Potential	8	t/kt				Sobek Modifie	02/11/09 13:00 / eli-h
Acid Potential	10	t/kt		0.3		Sobek Modifie	02/10/09 13:00 / eli-h
Acid/Base Potential	-2	t/kt				Sobek Modifie	02/10/09 13:00 / eli-h

Report Definitions:
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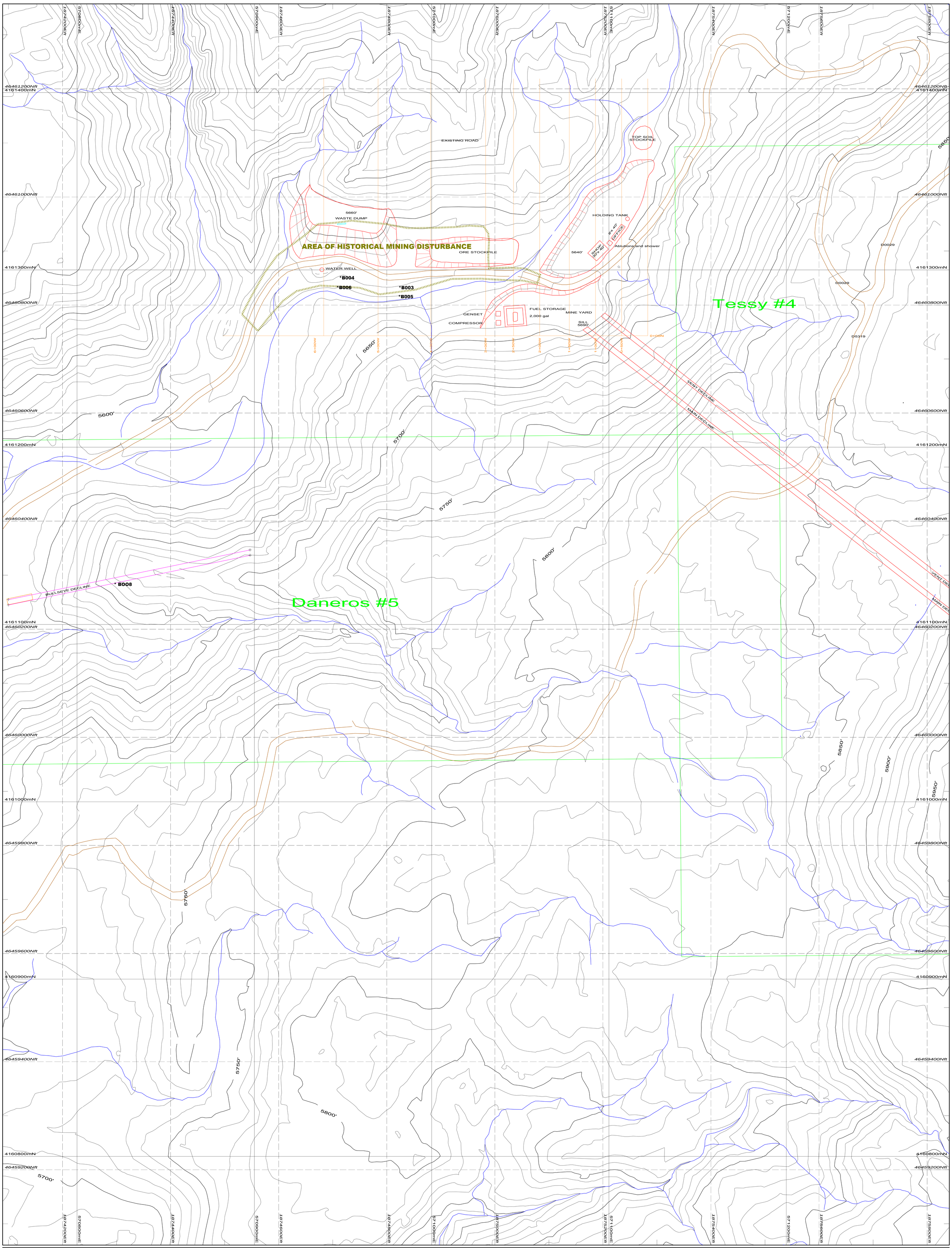
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

UTAH ENERGY CORPORATION
NAPP SAMPLING LOCATIONS
LARK (McCARTY-COLEMAN) WASTE DUMP



Plotted by:

DATAPLOT AUSTRALIA

256 Adelaide Tce
Perth, W.A.
Tel: (08) 9225 5144
tony#dataplot.com.au

Legend

"Daneros #1" - Claim name
- Claim boundary
- Existing decline
- Roads
- Drill hole collar

0 100 200
1"=50'

Scale	DATE	Datum
1:600	18 Feb 2009	NAD83
	Drawing	Projection
	025-01	UTM

0 50m

WHITE CANYON URANIUM LIMITED
Utah Energy Corporation
1300 S Hwy 191
Moab UT 84532

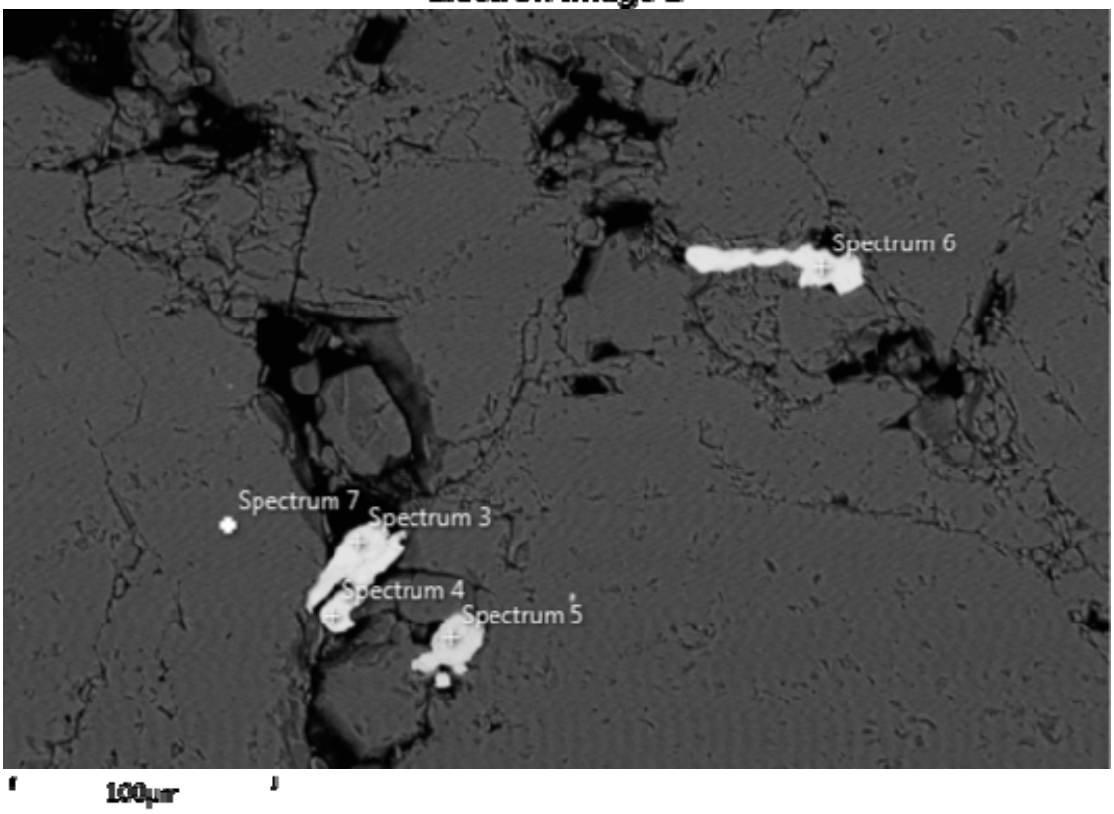
Proposed Daneros Mine Operations Plan

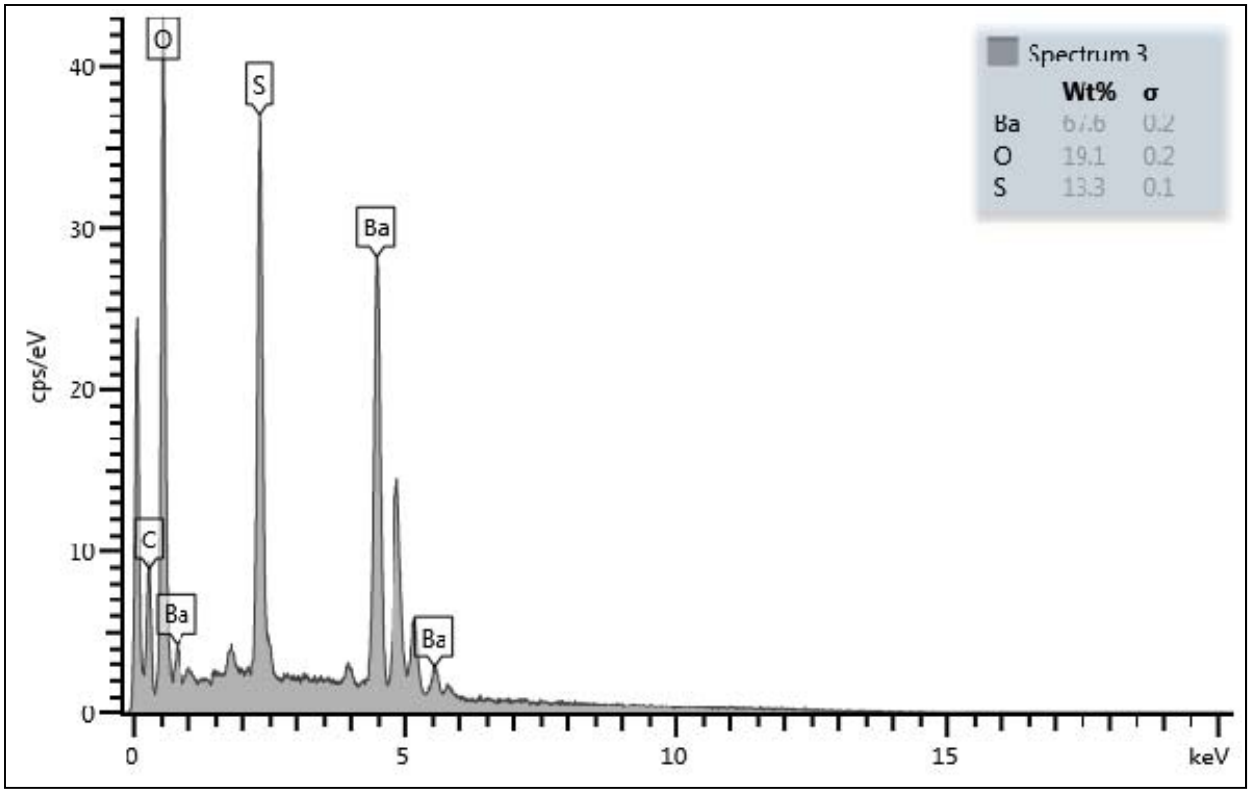
HISTORICAL MINING DISTURBANCE

NAPP SAMPLING LOCATION PLAN

Attachment 3
SEM-EDS Data

Electron Image 1





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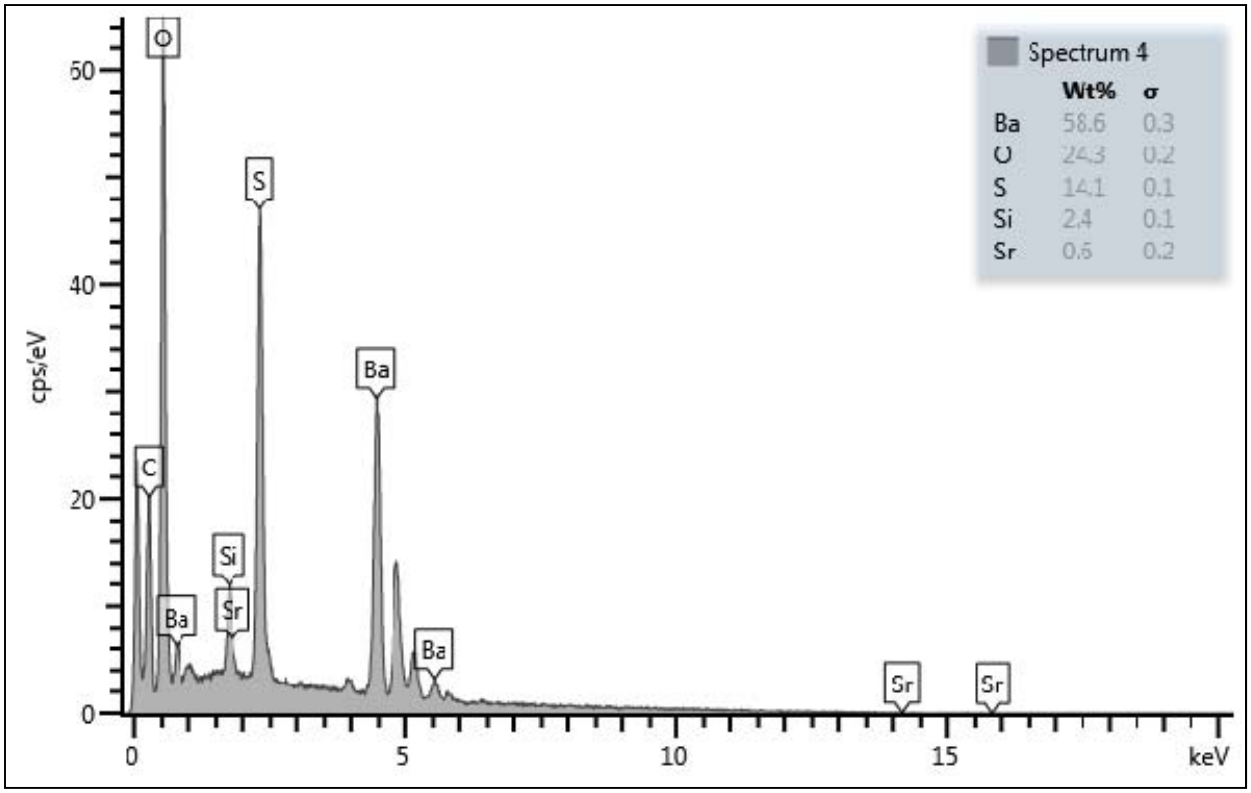
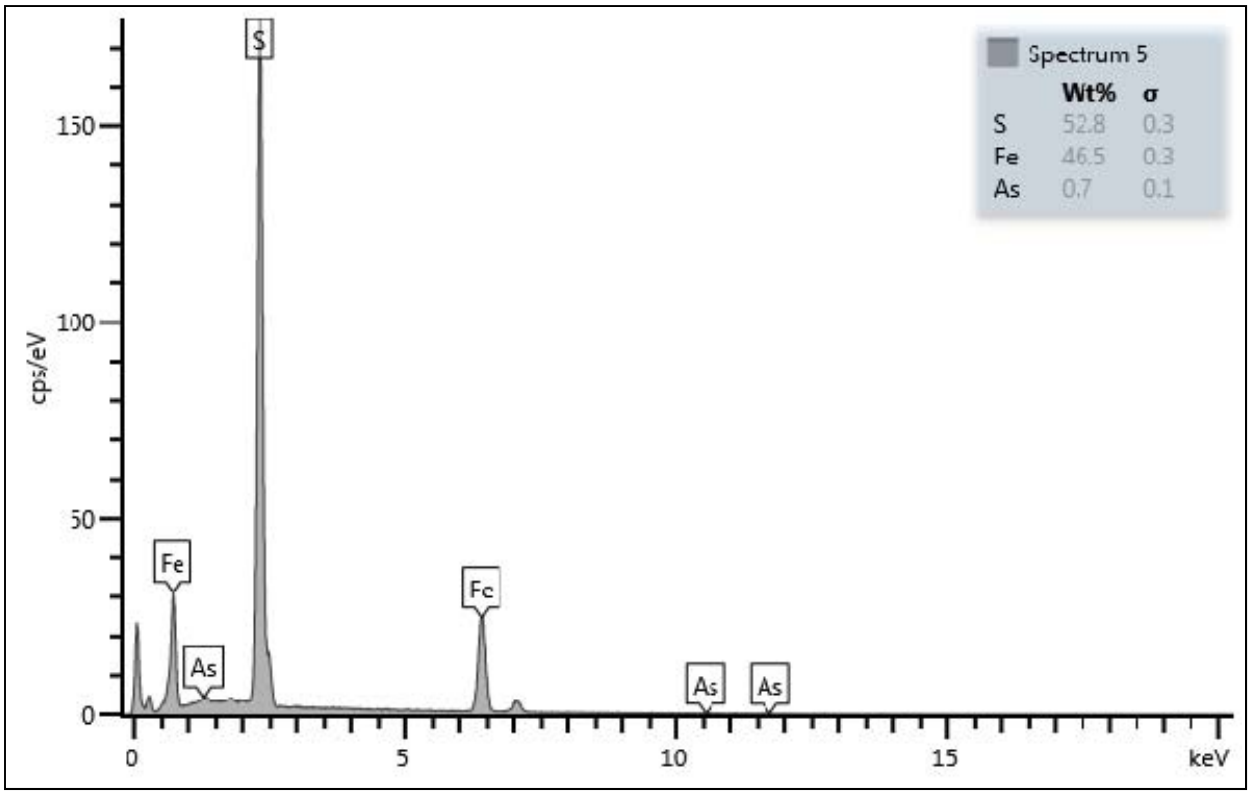
Daneros Mine Sample D-1

9/12/2012





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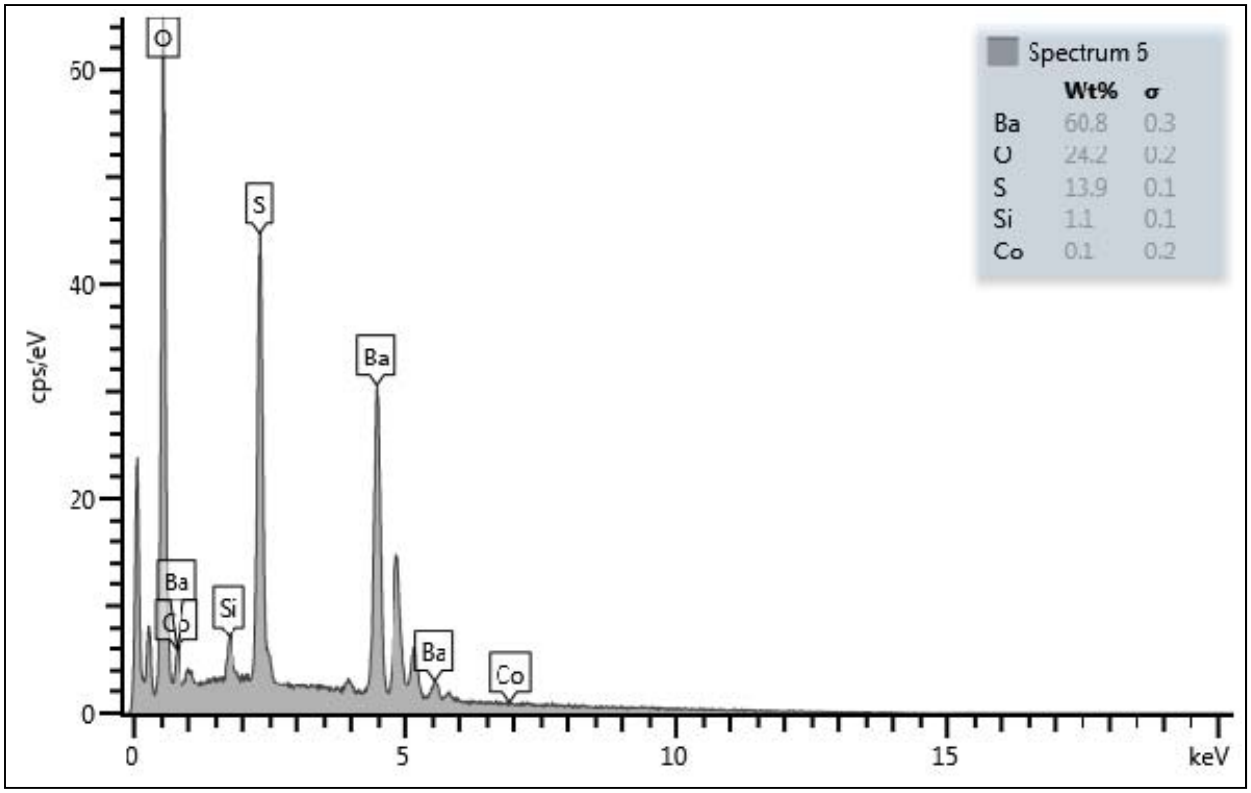
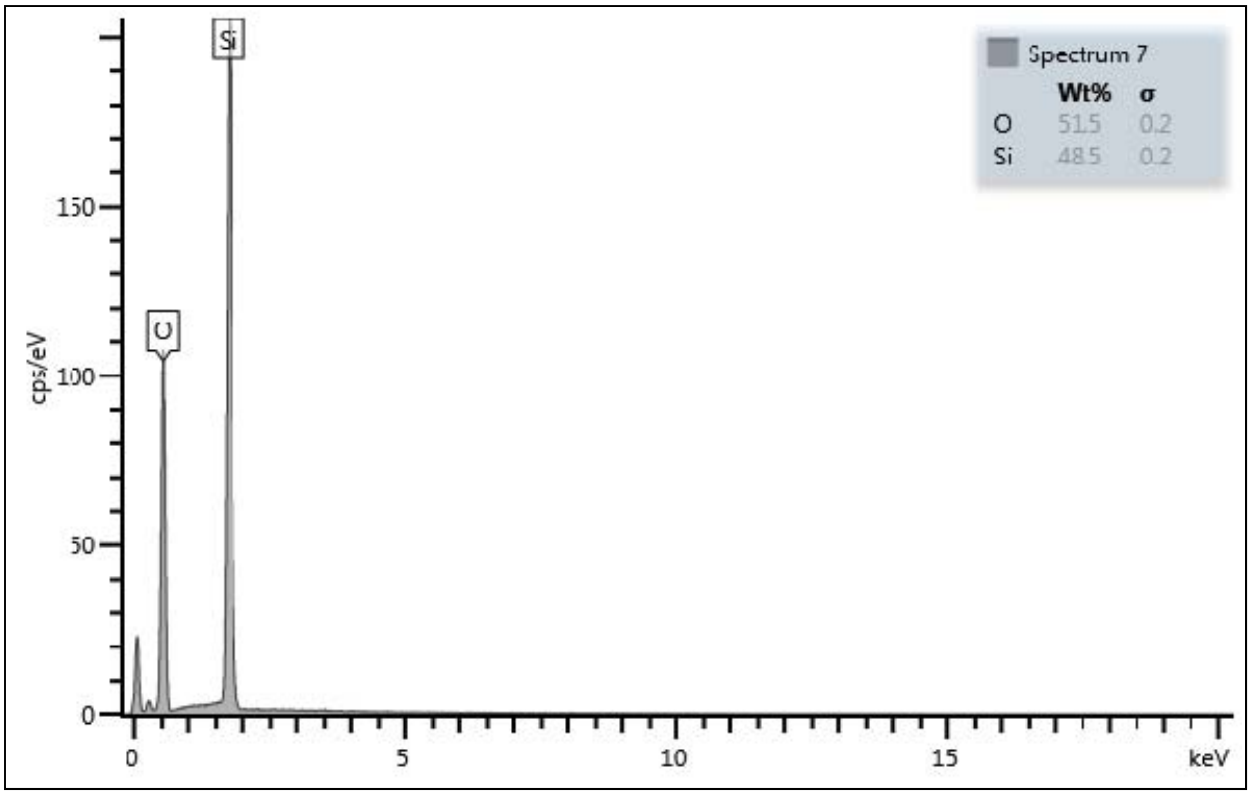
Daneros Mine Sample D-1

9/12/2012





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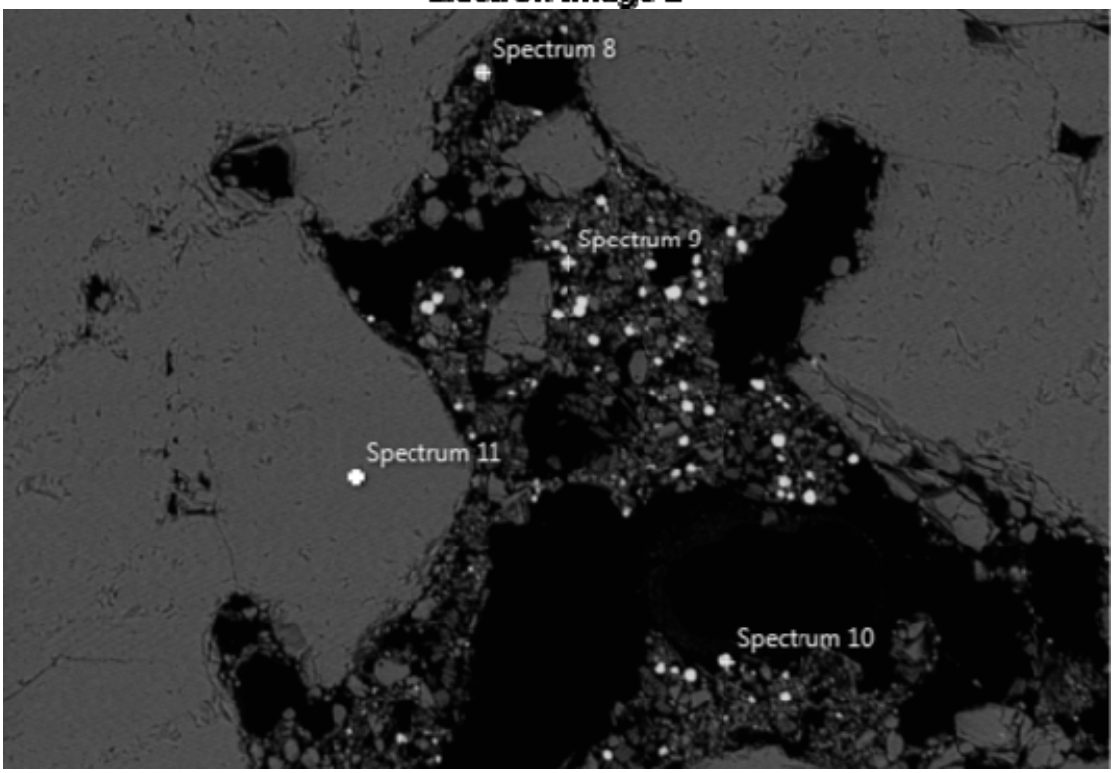
Electron Image 2



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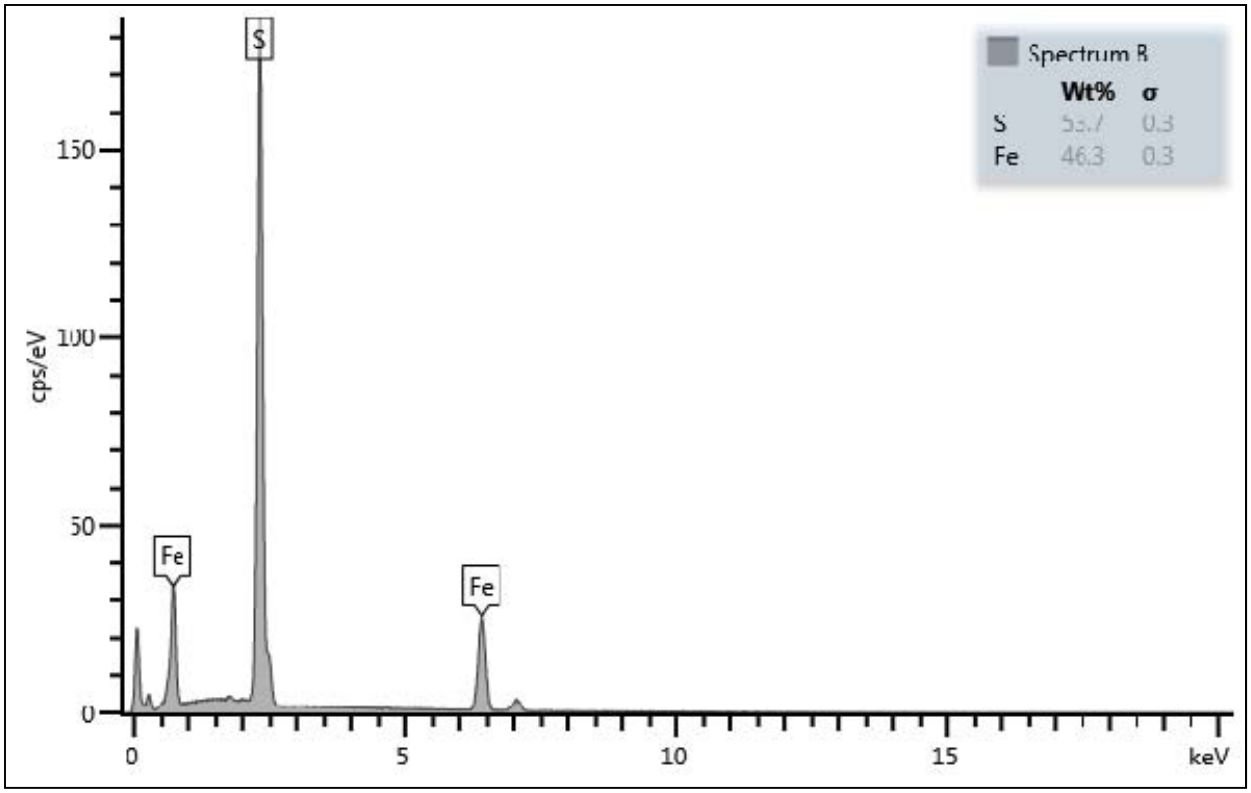

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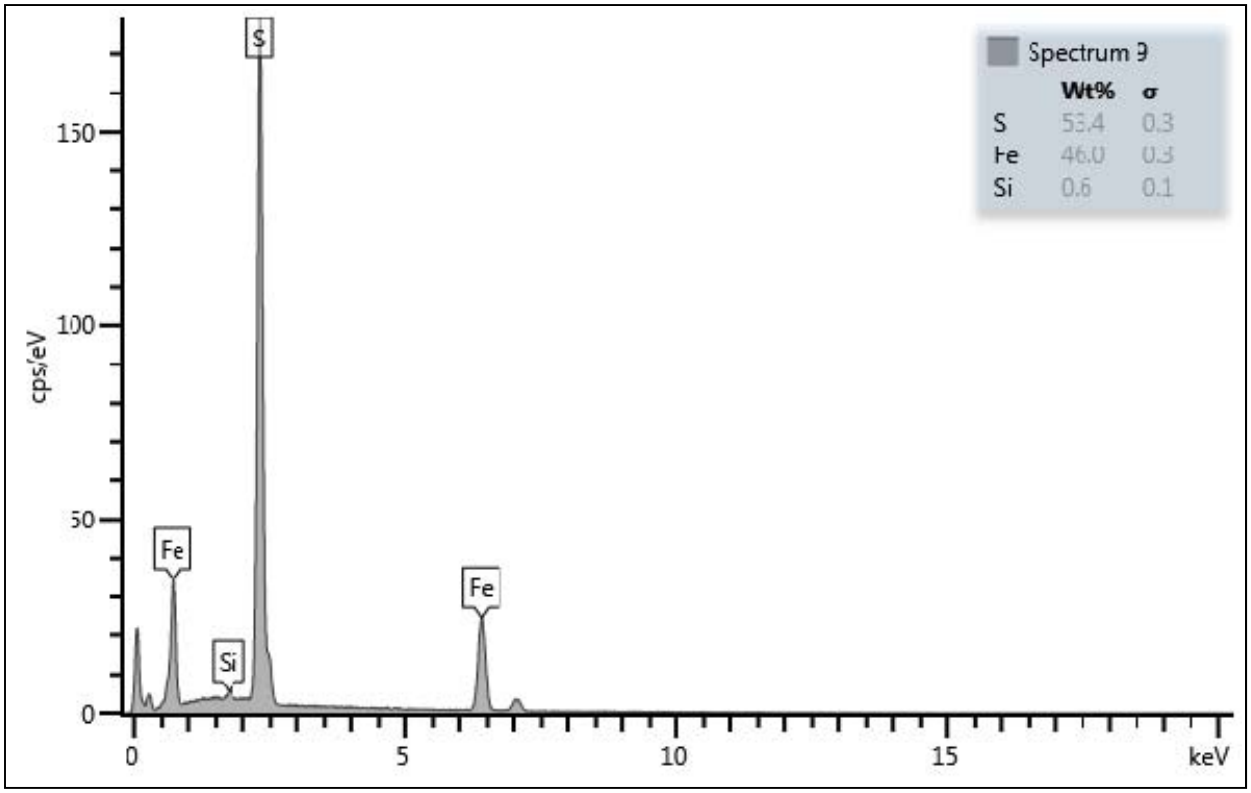
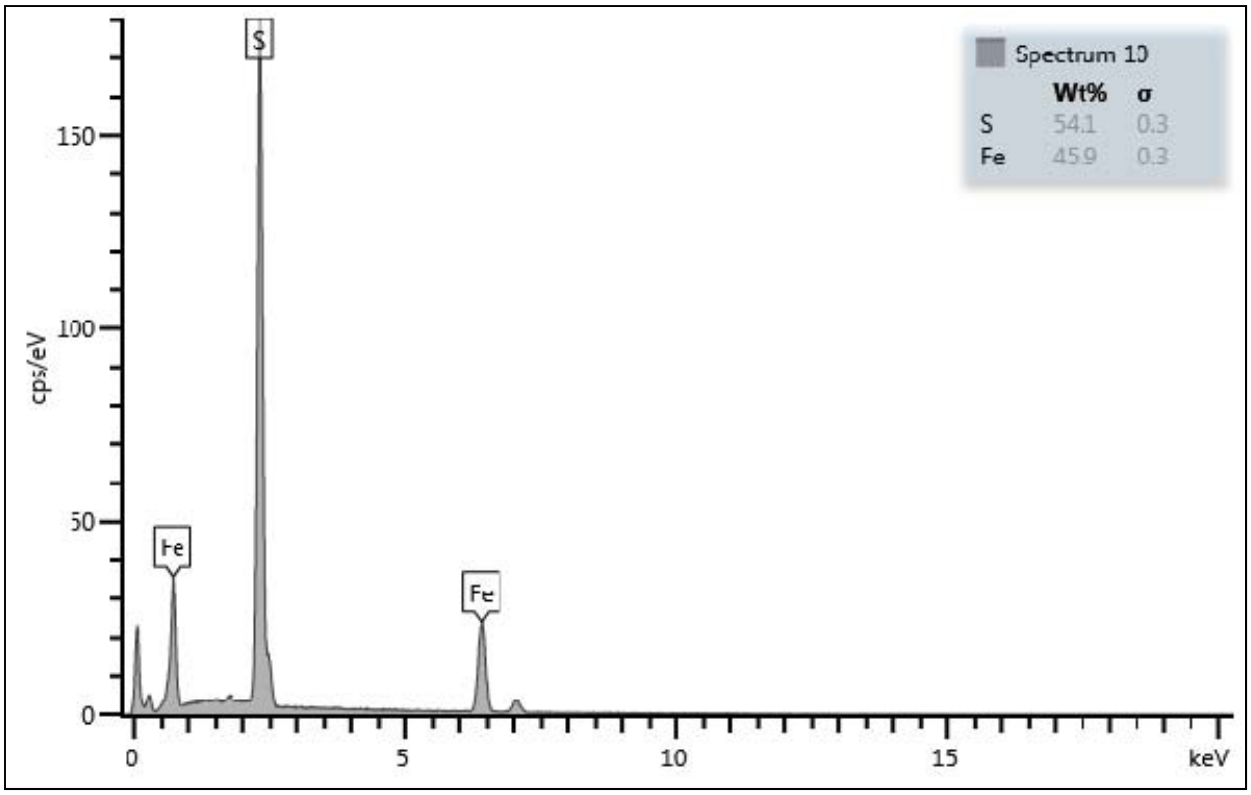
Daneros Mine Sample D-1

9/12/2012





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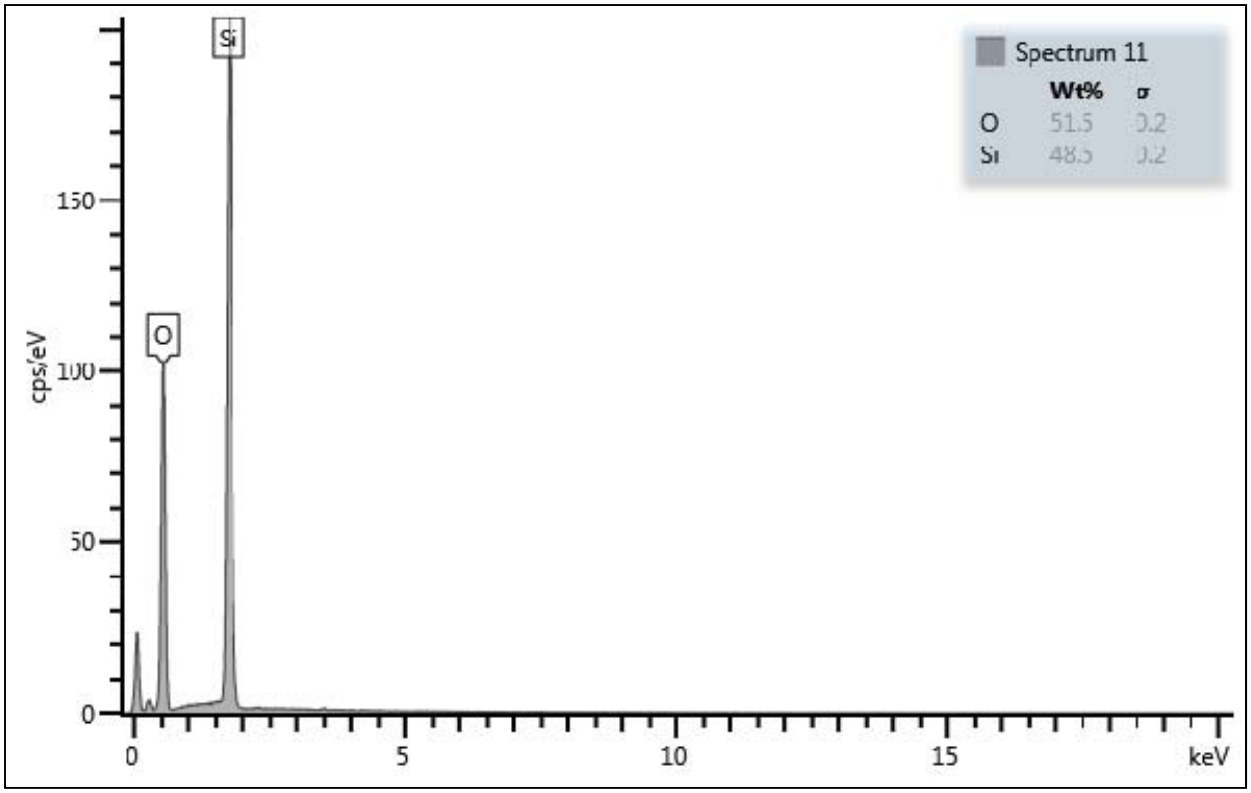
Daneros Mine Sample D-1

9/12/2012



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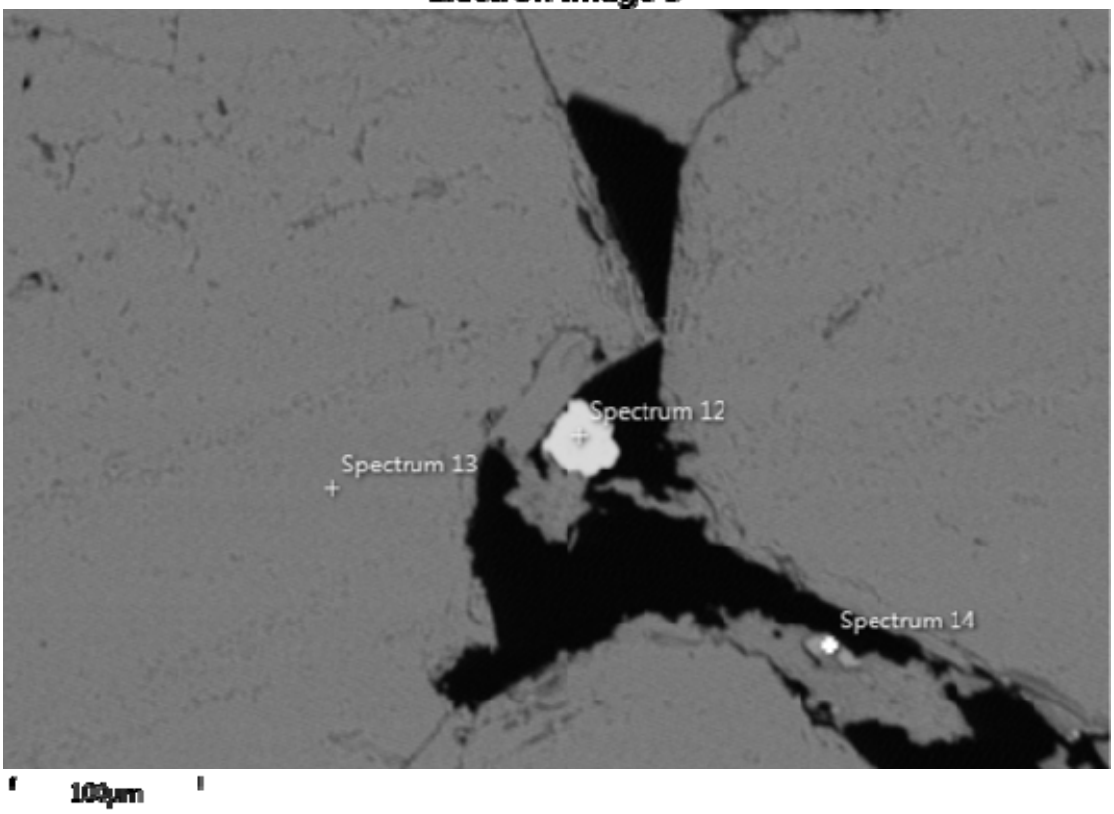
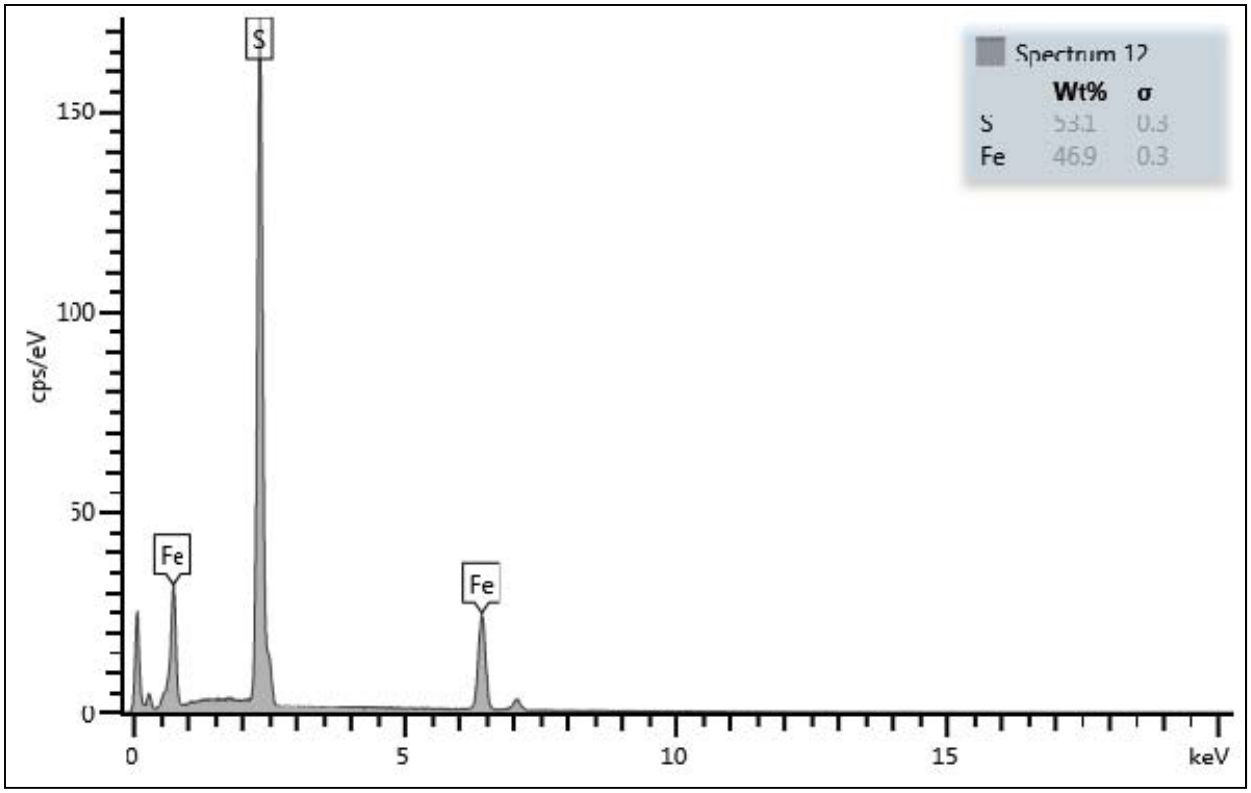
Electron Image 3





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Daneros Mine Sample D-1

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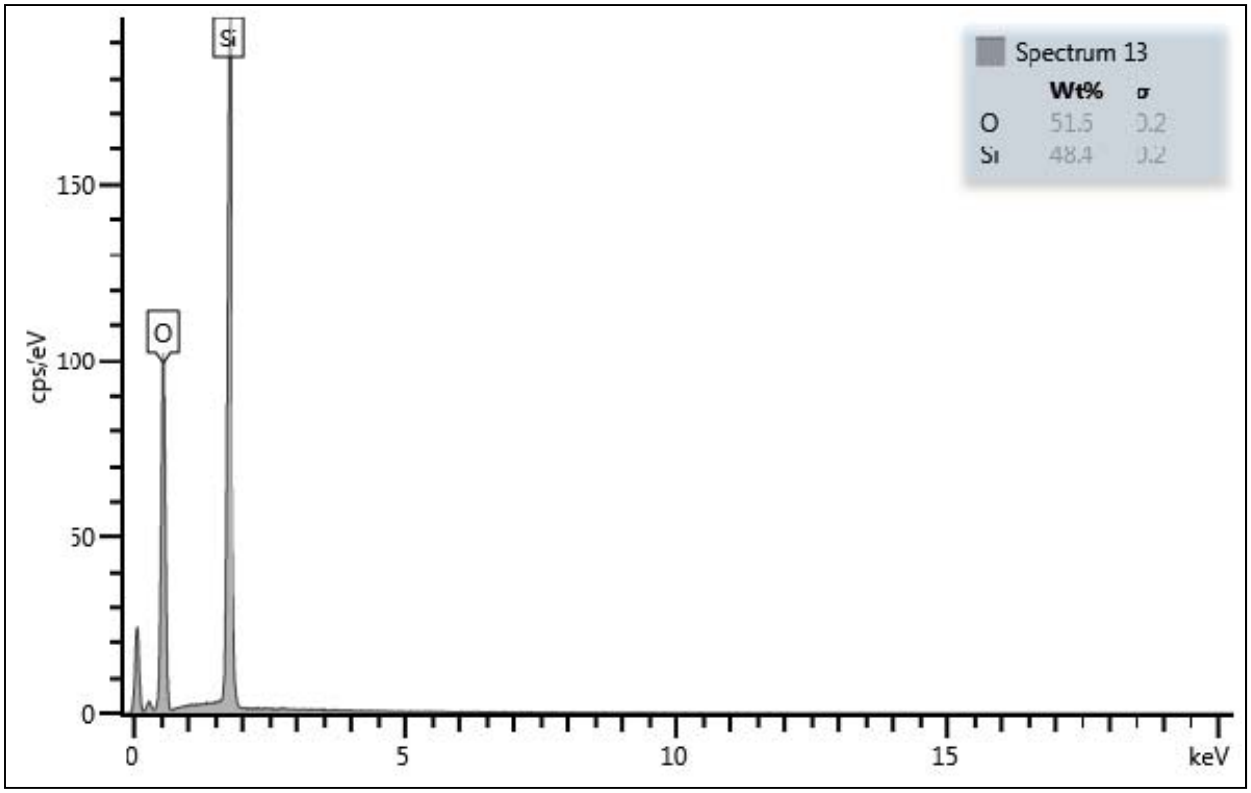

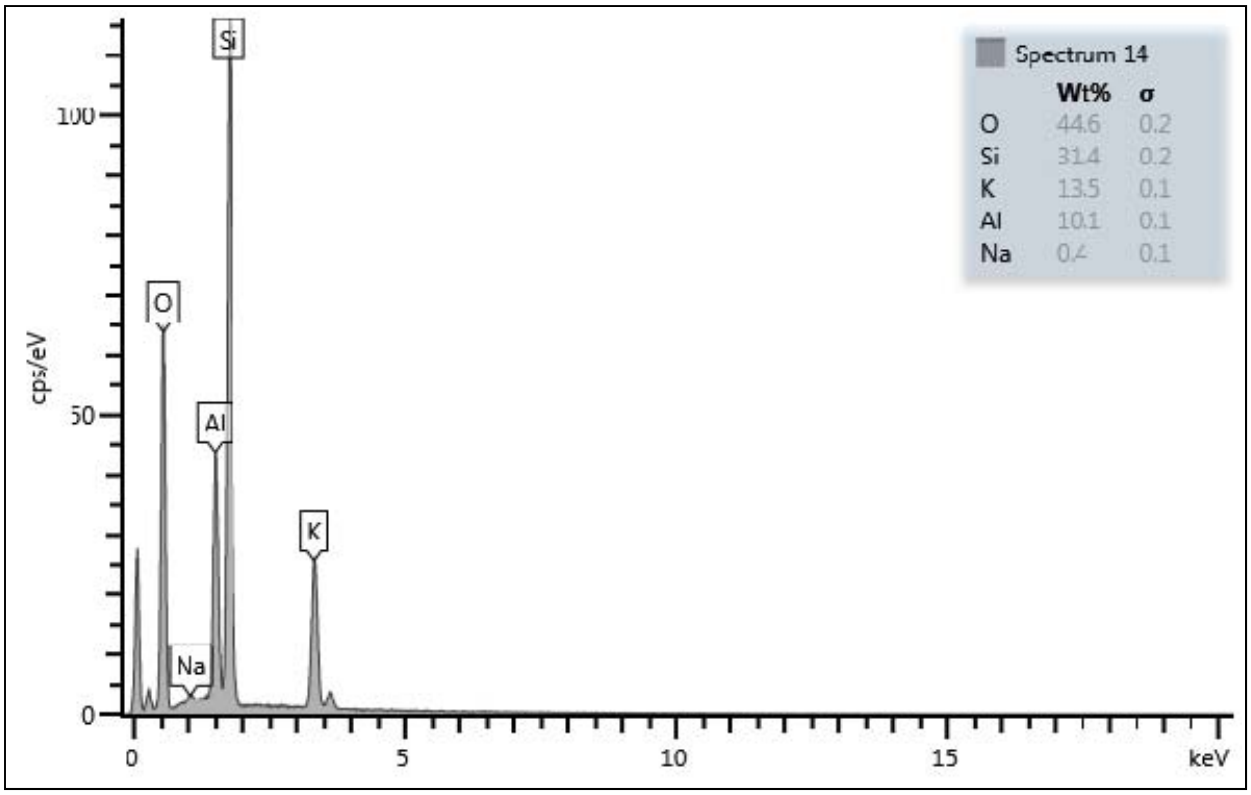

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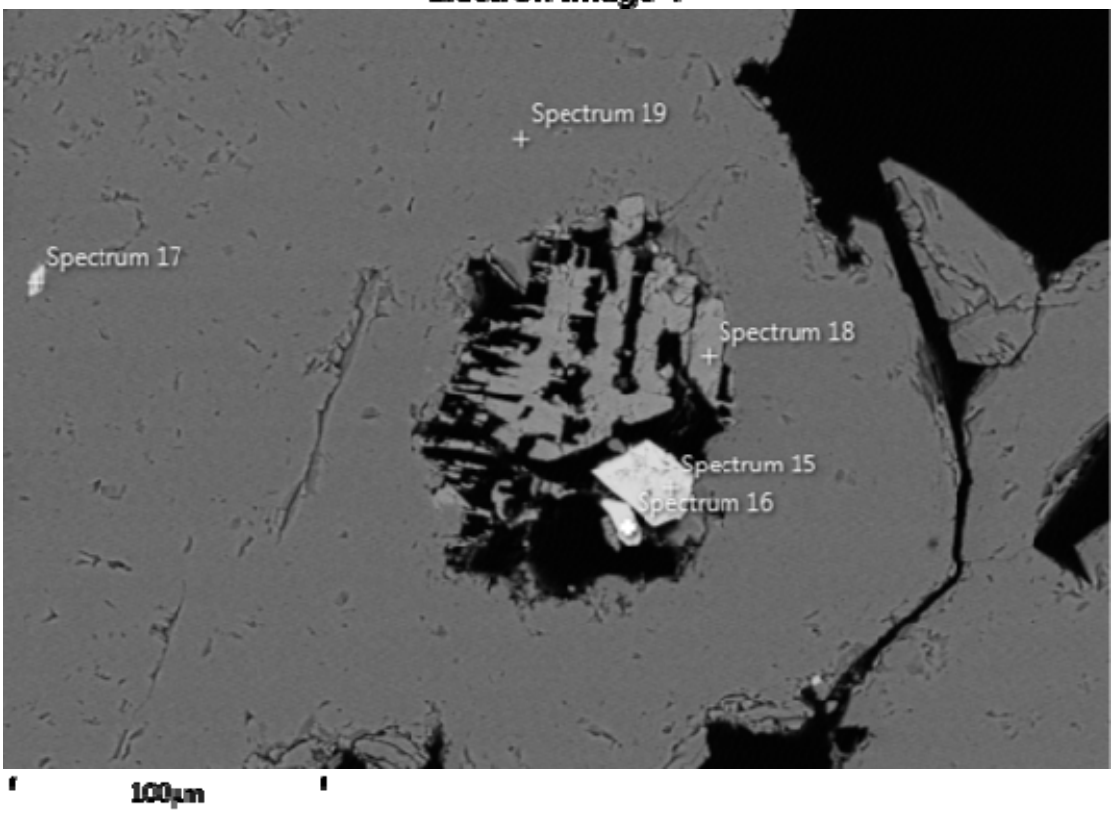
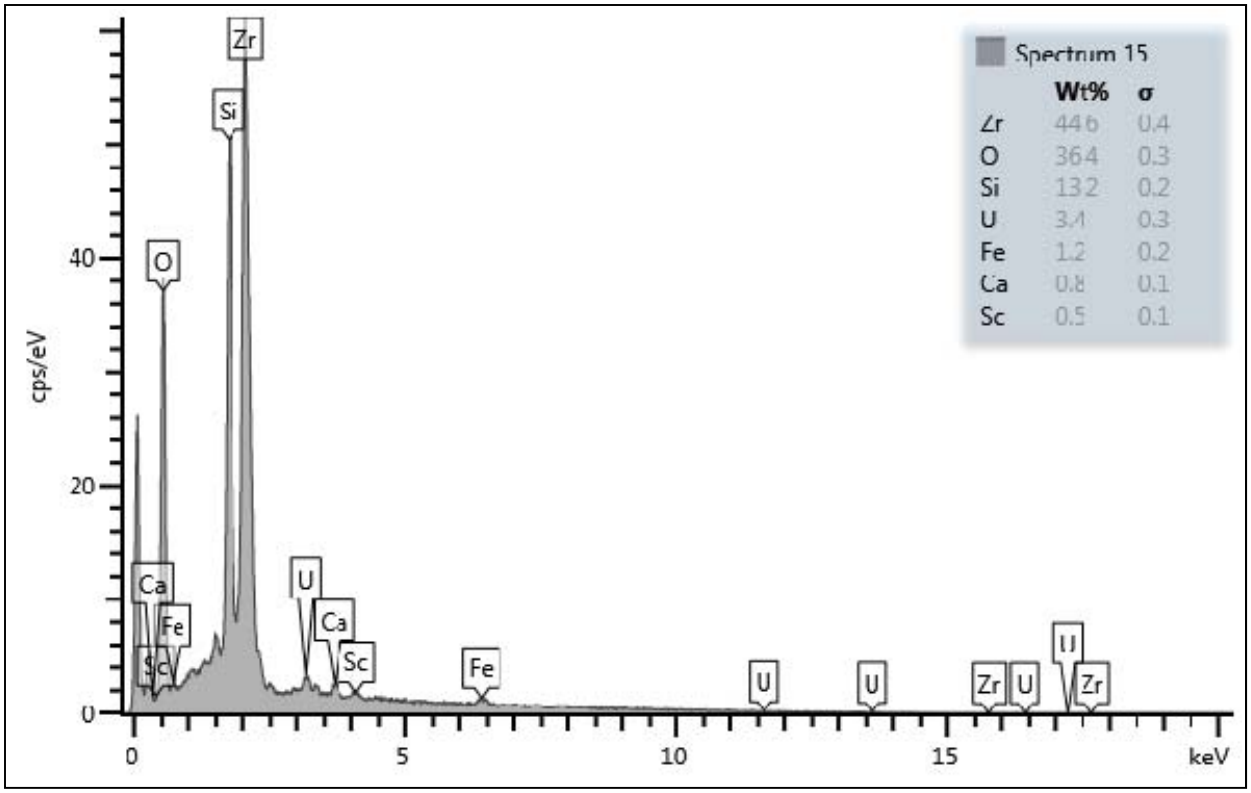
Electron Image 4





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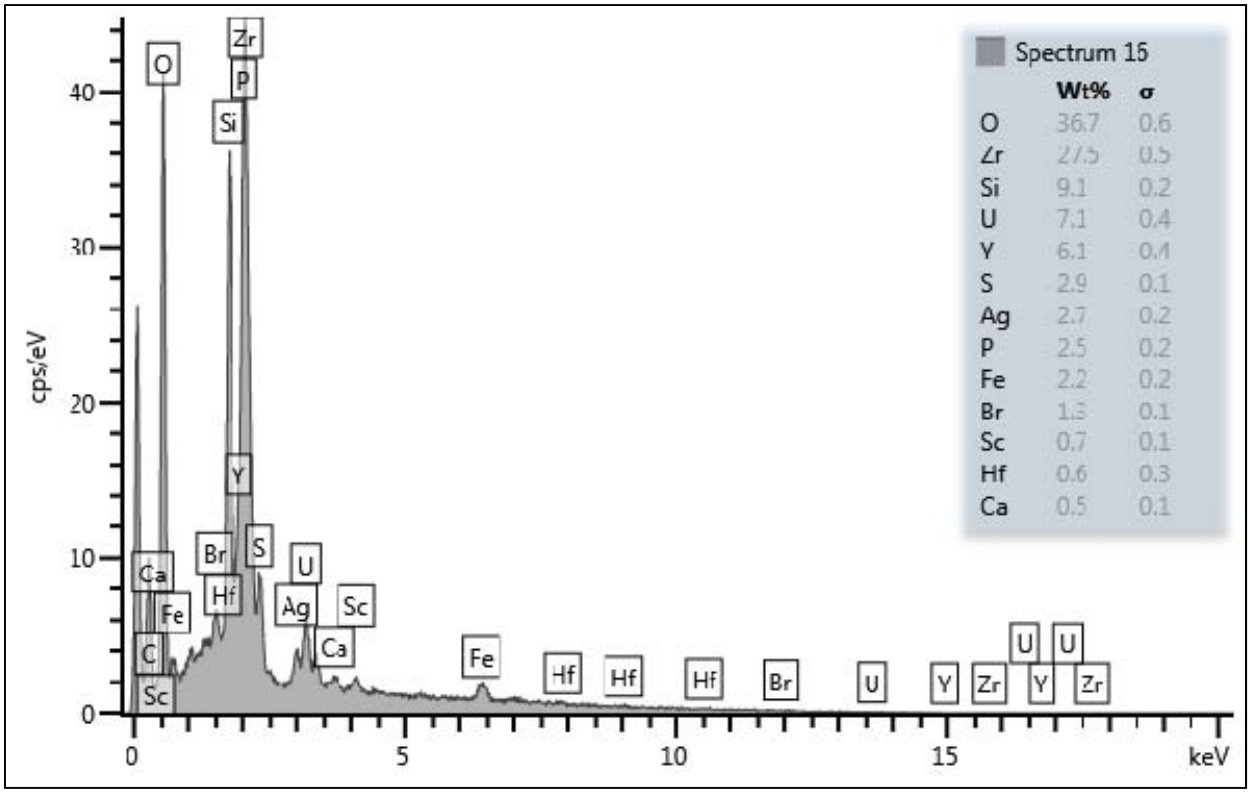

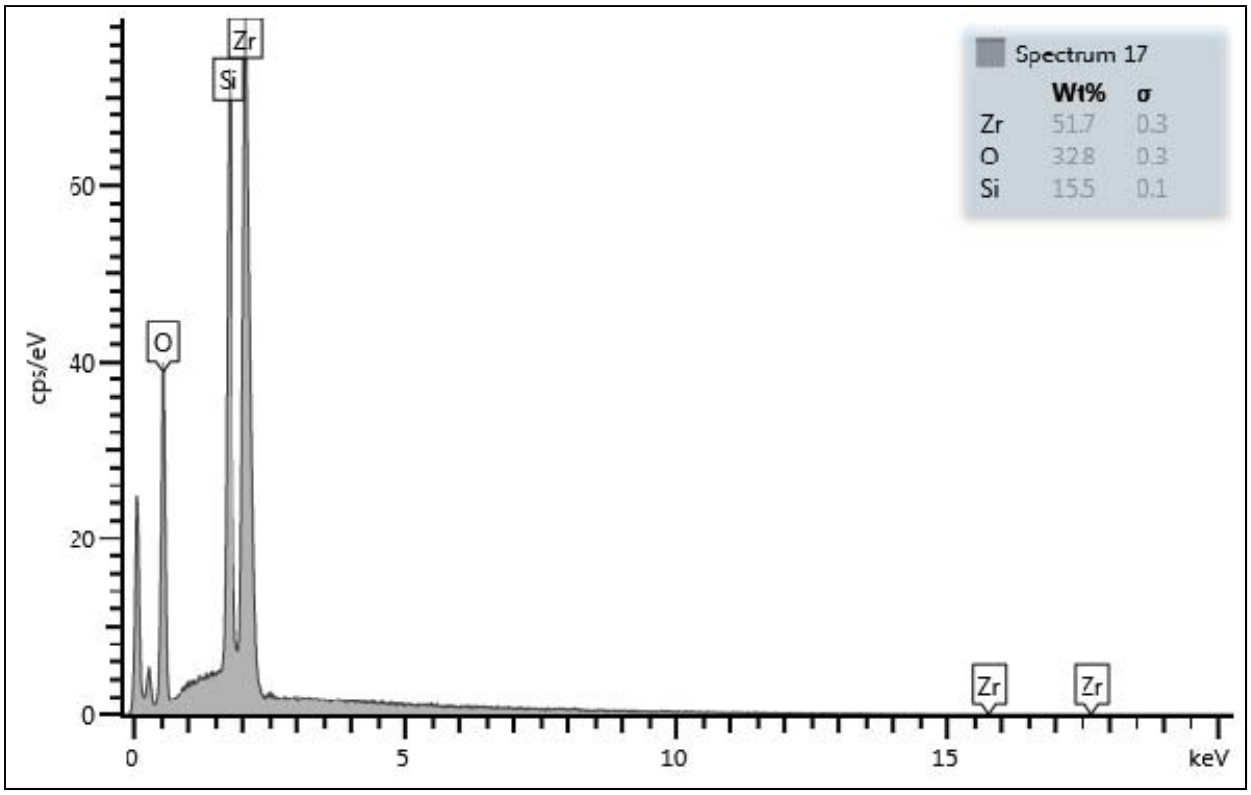

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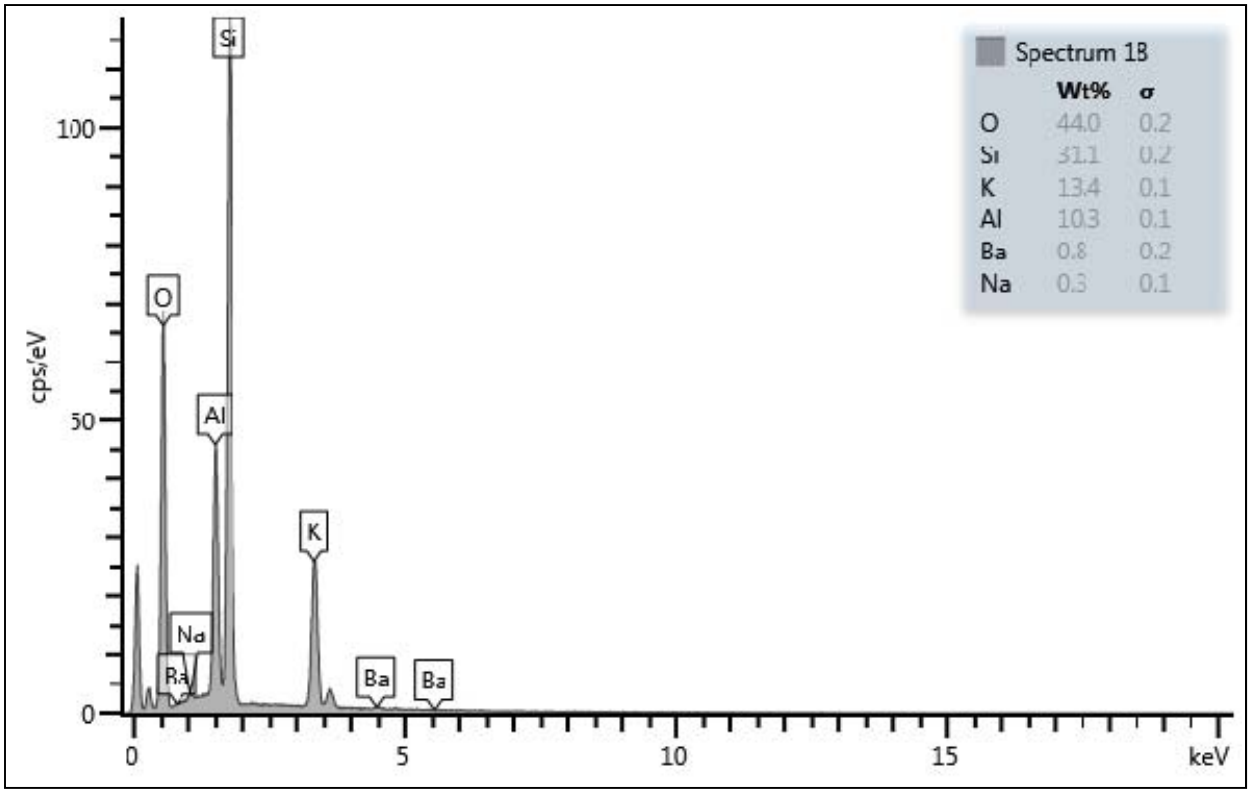

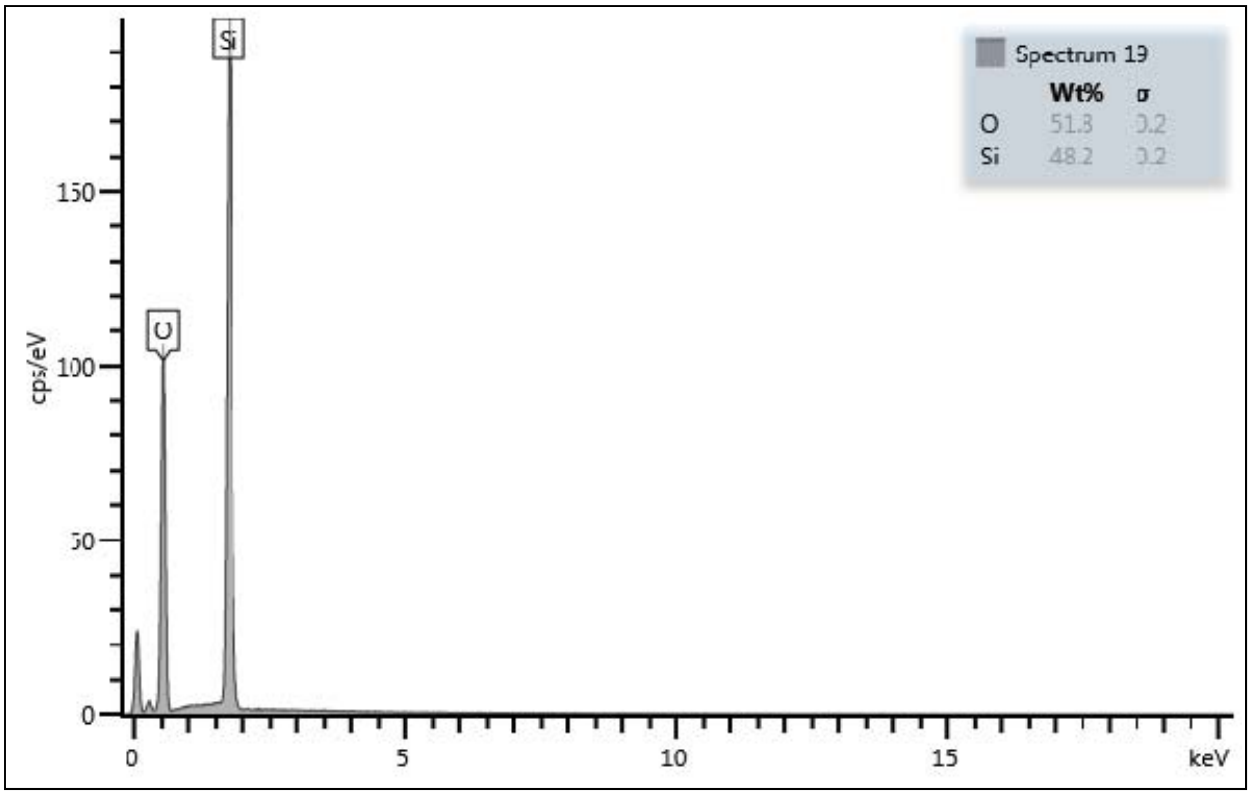

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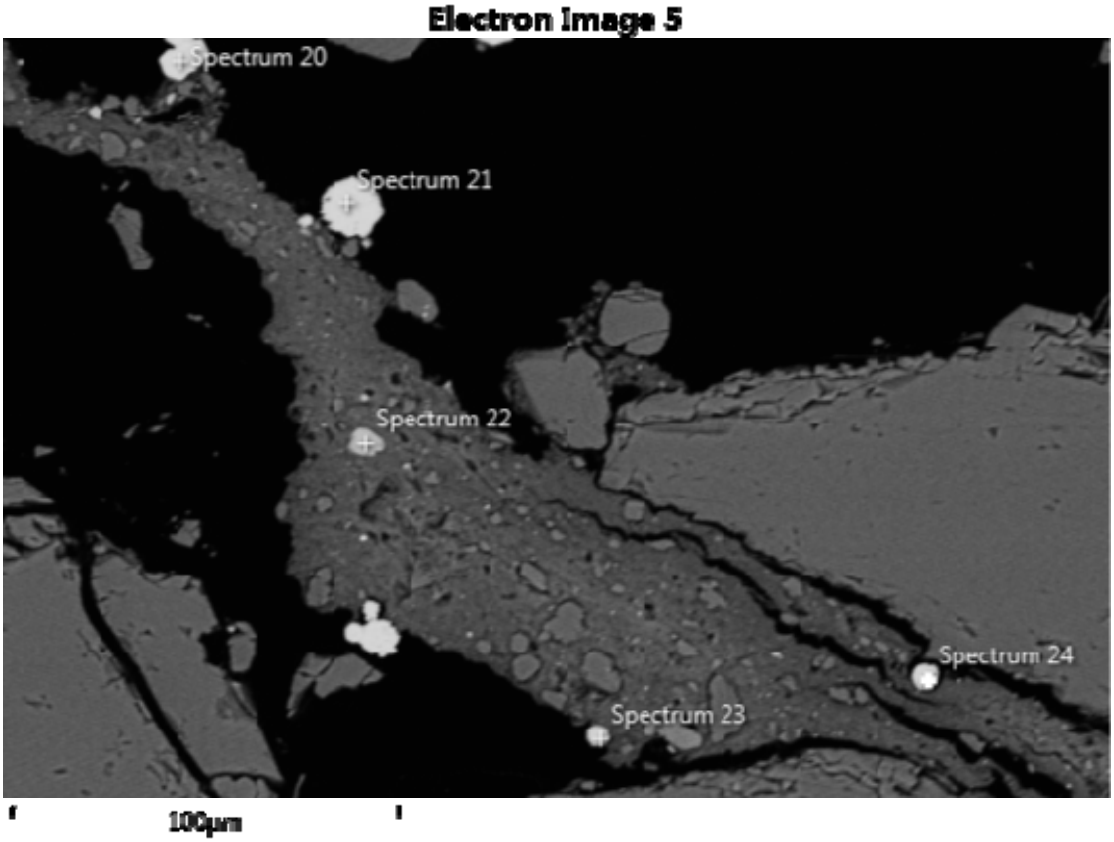

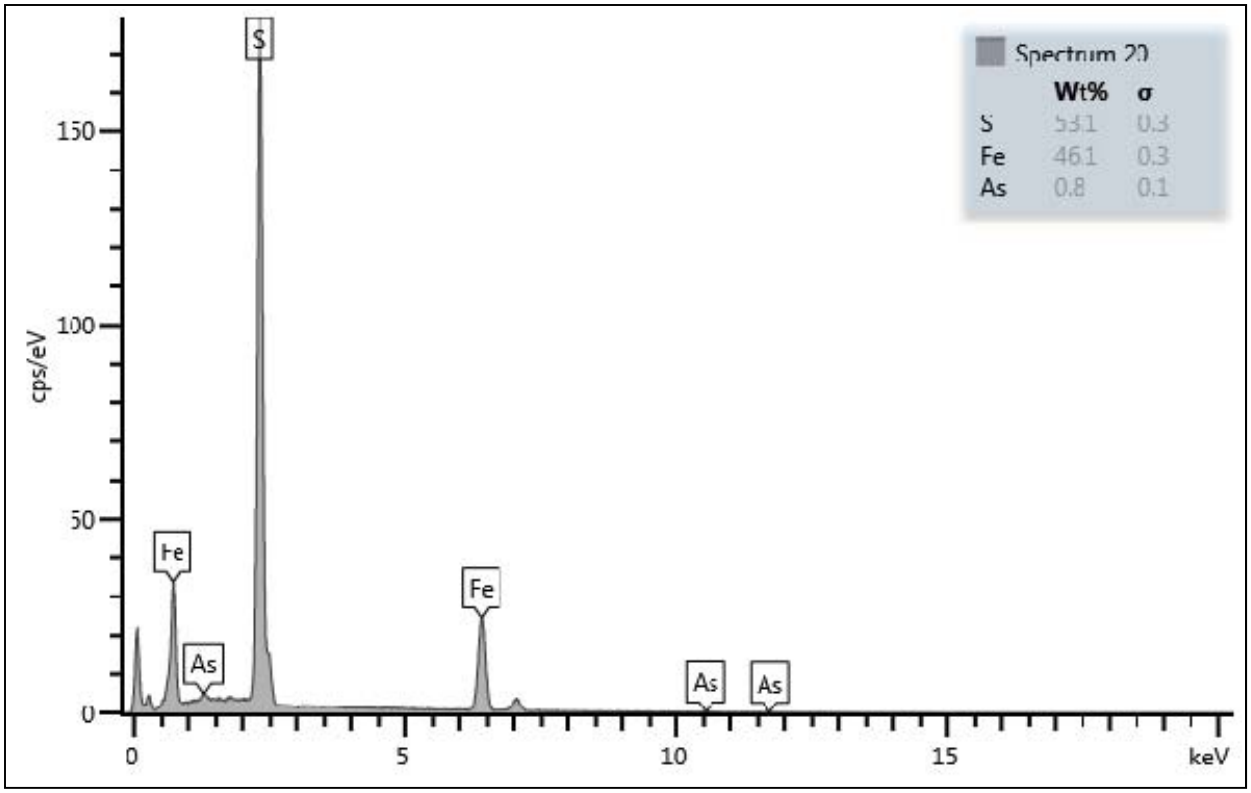

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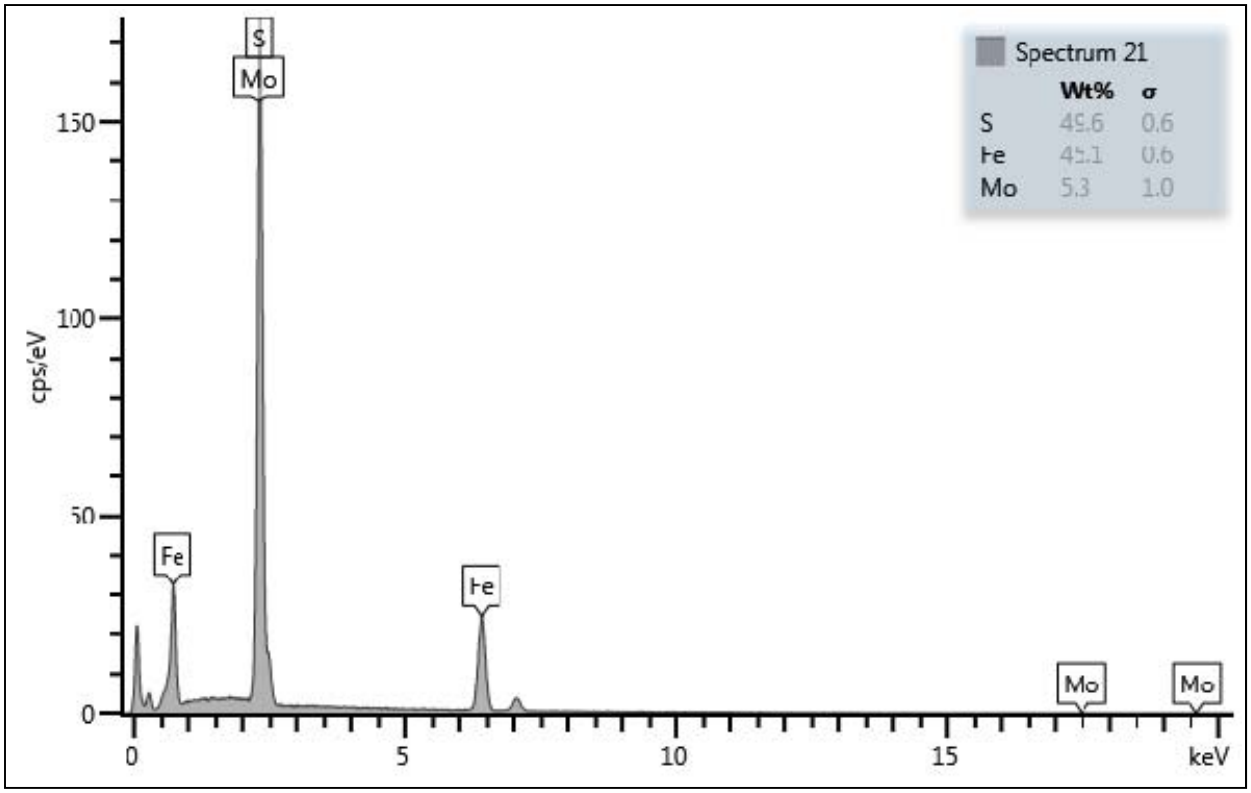
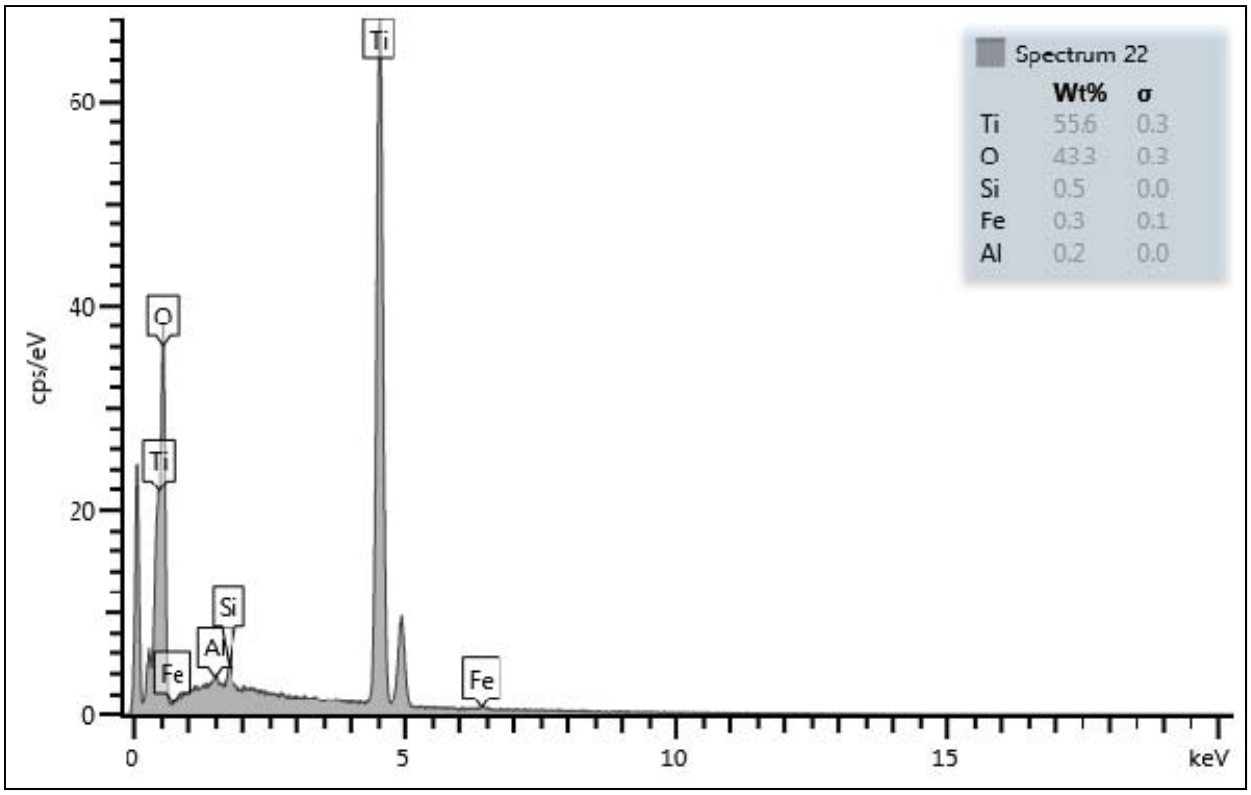
9/12/2012





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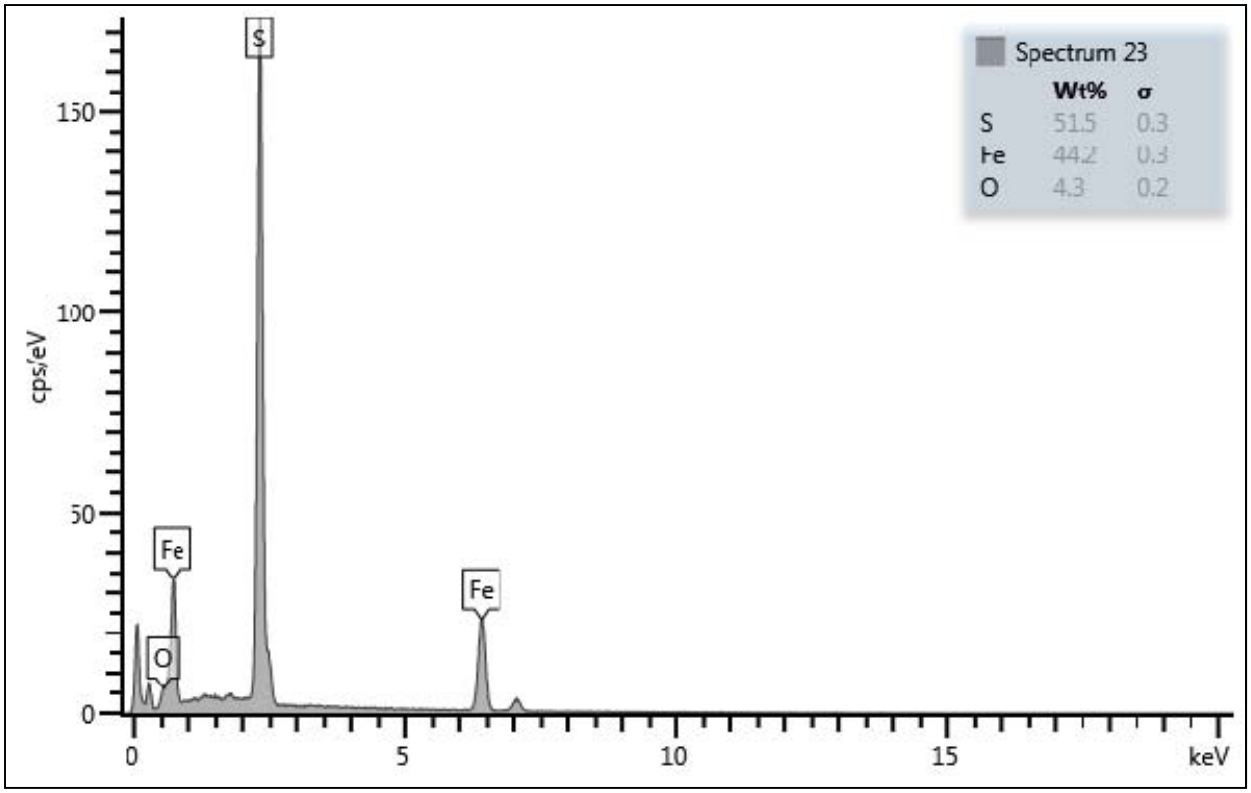
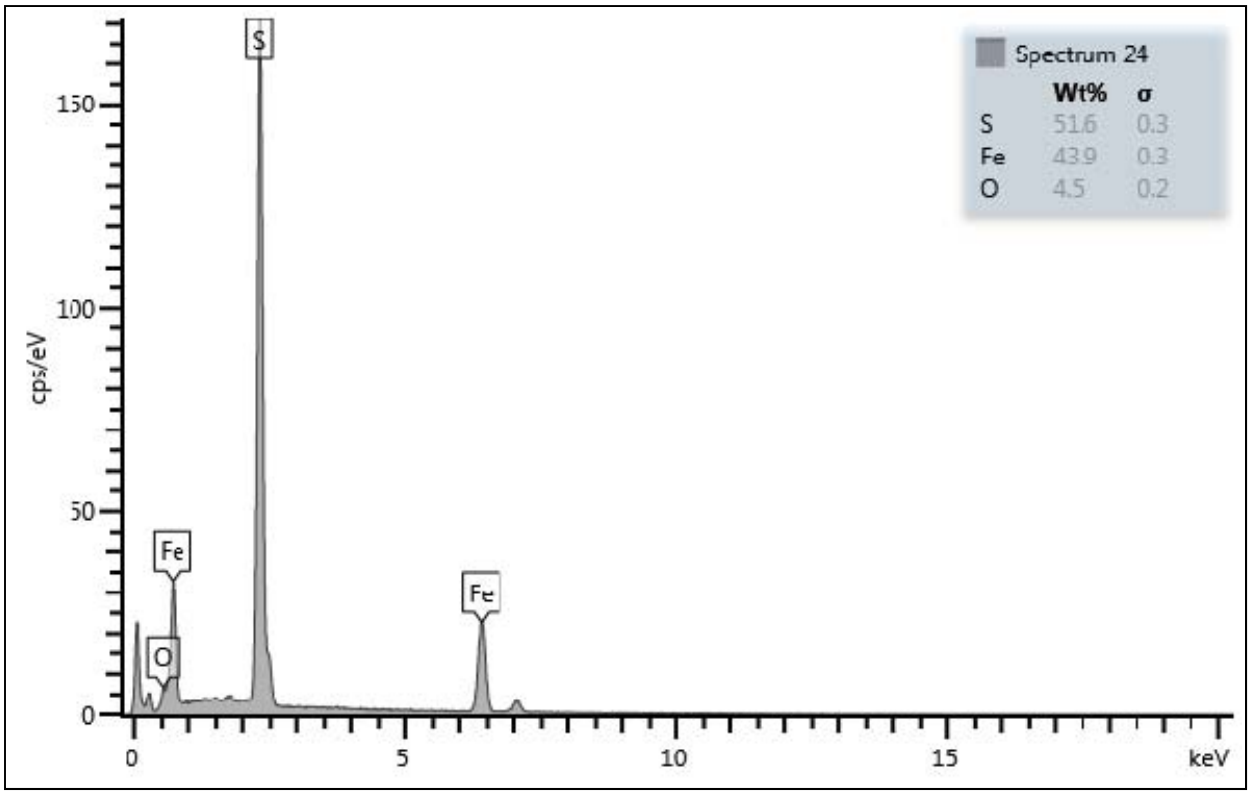
9/12/2012





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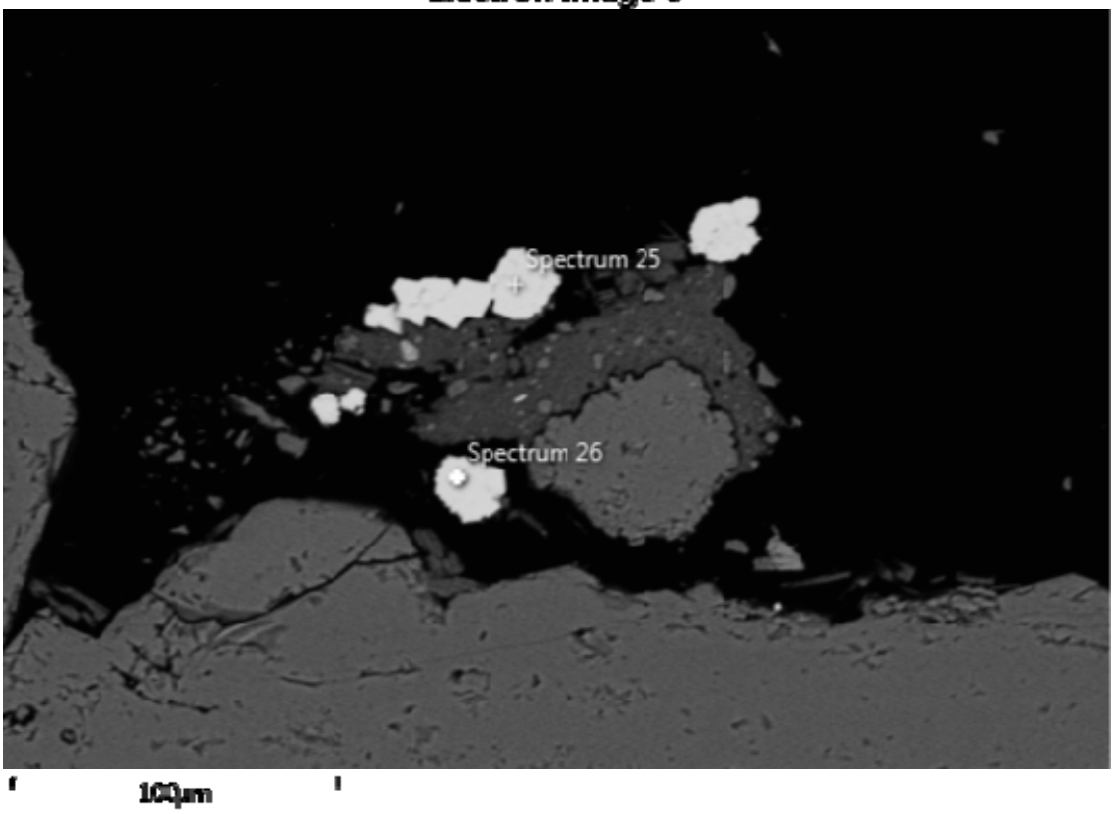
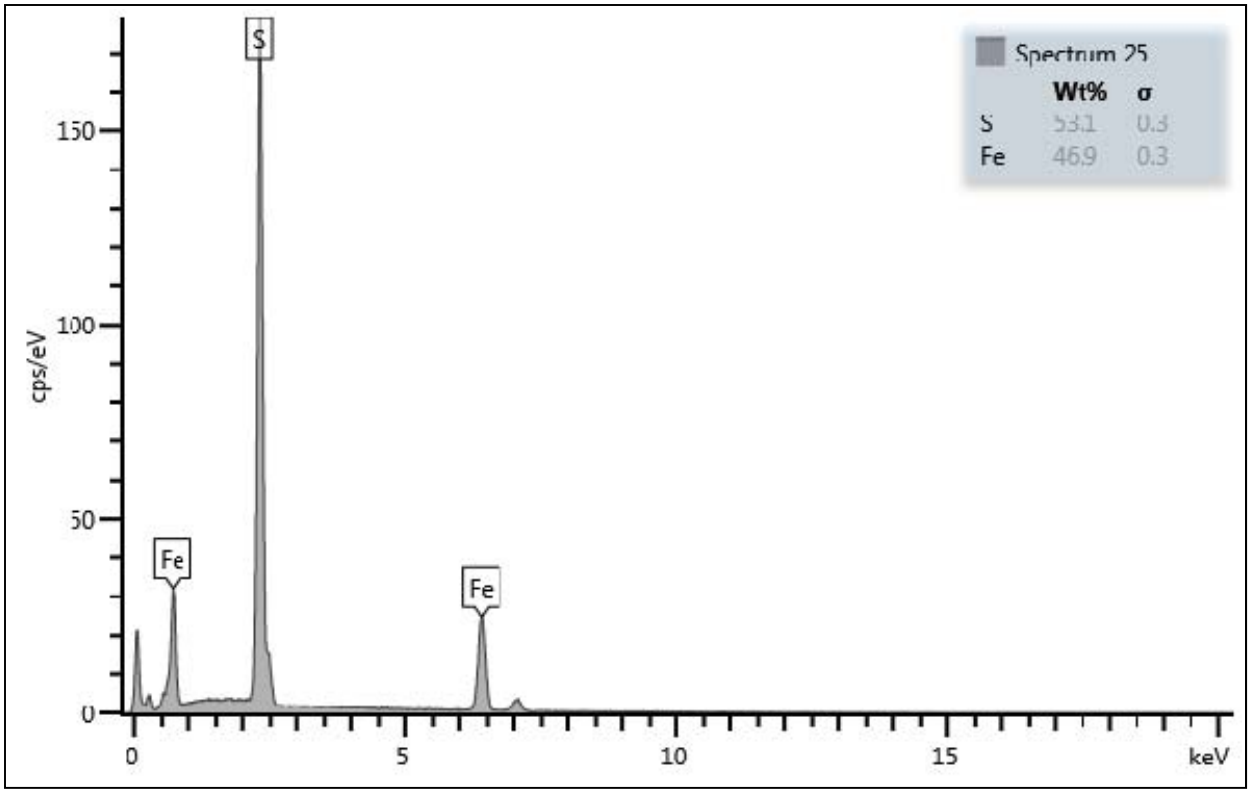
Electron Image 6





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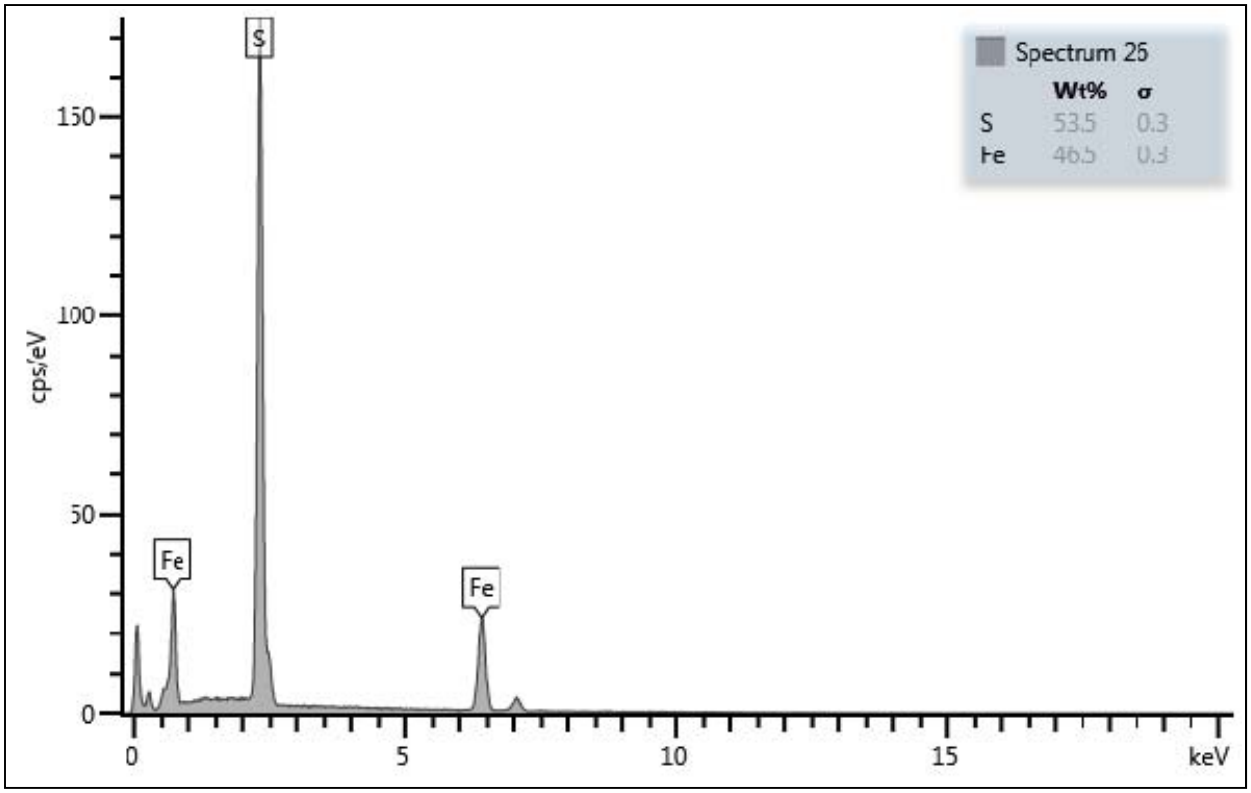
Daneros Mine Sample D-1

9/12/2012



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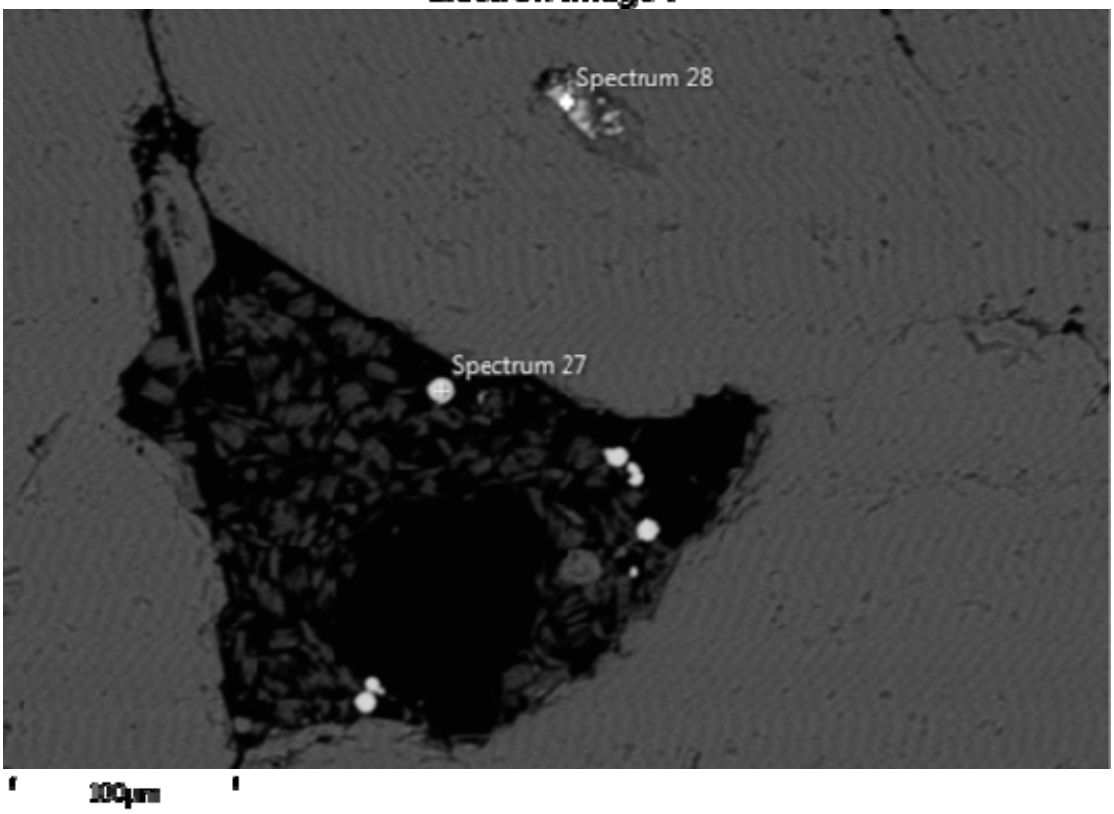
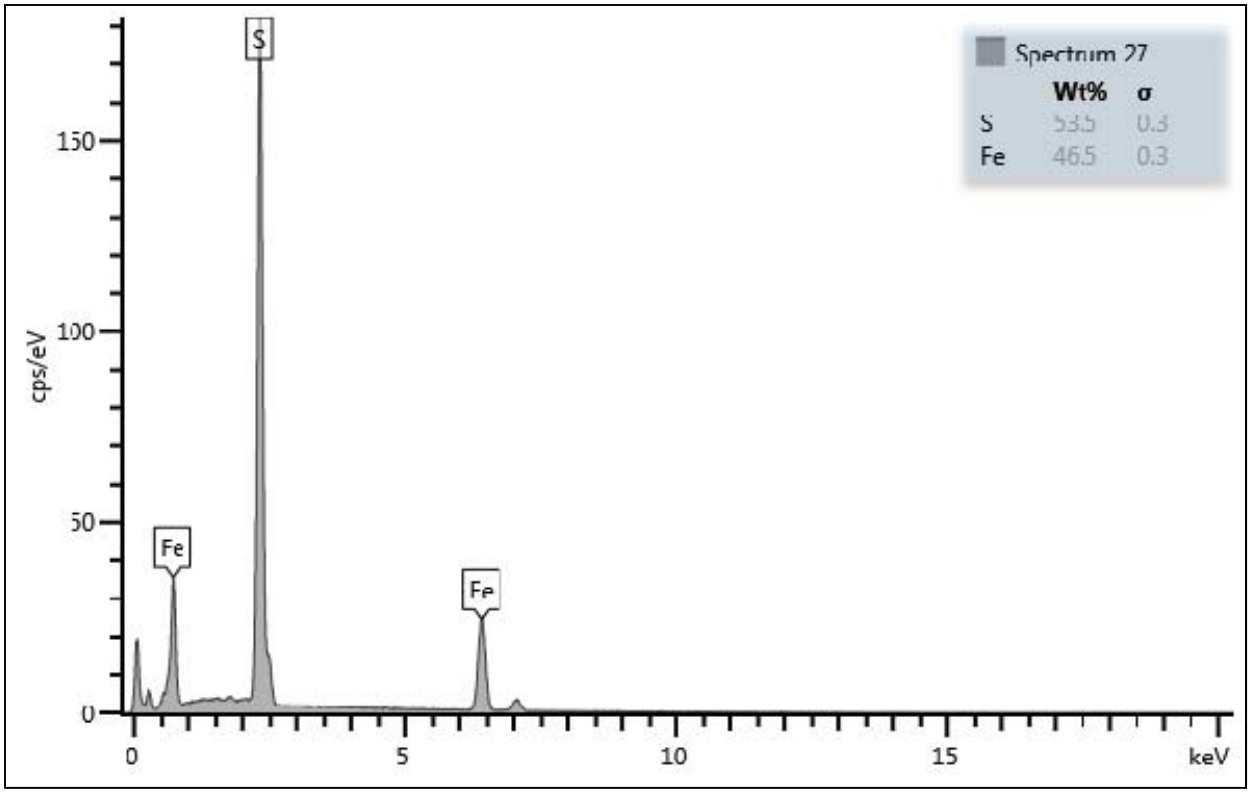
Electron Image 7





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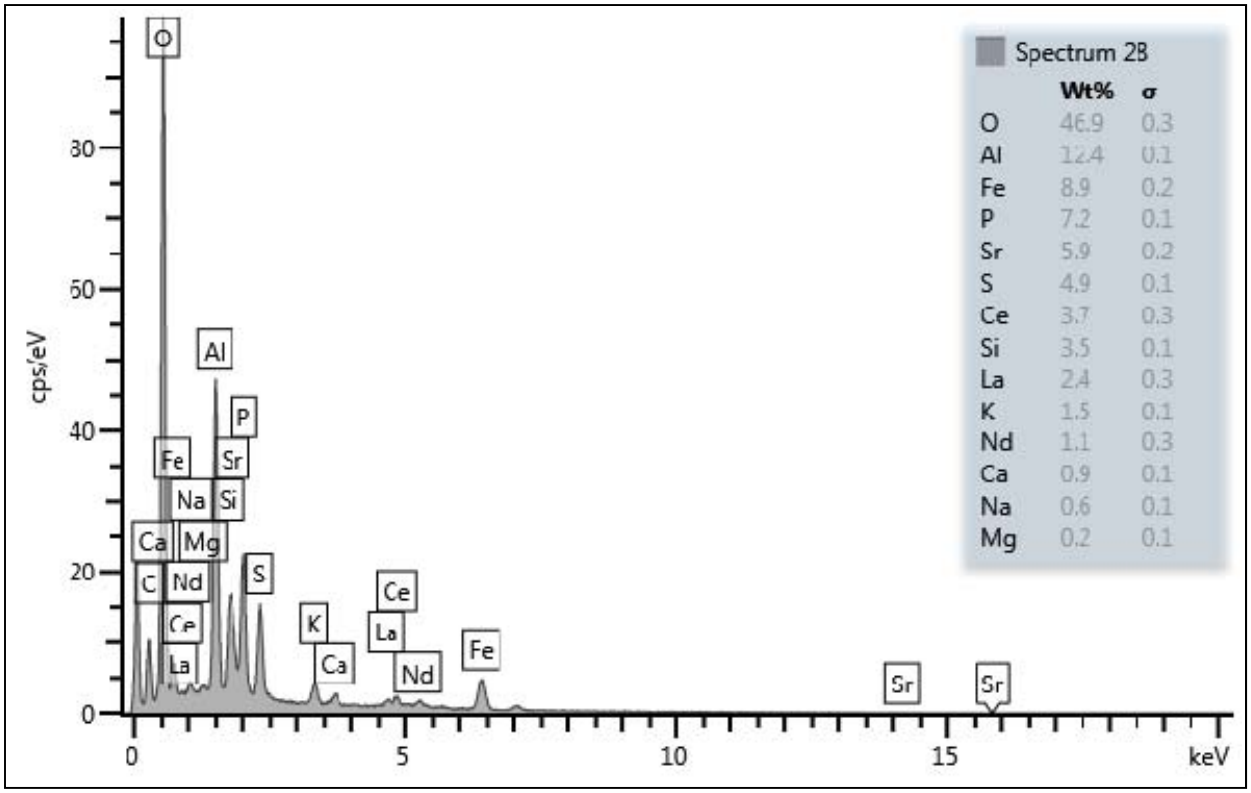
Daneros Mine Sample D-1

9/12/2012



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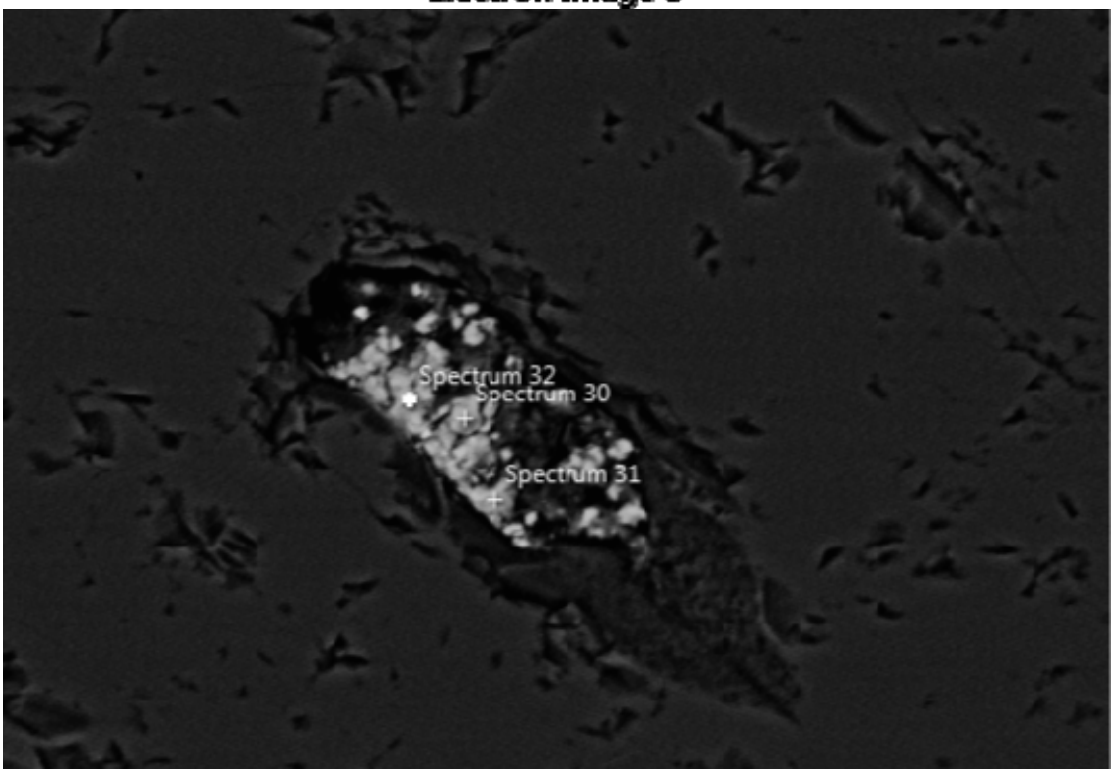
Electron Image 8



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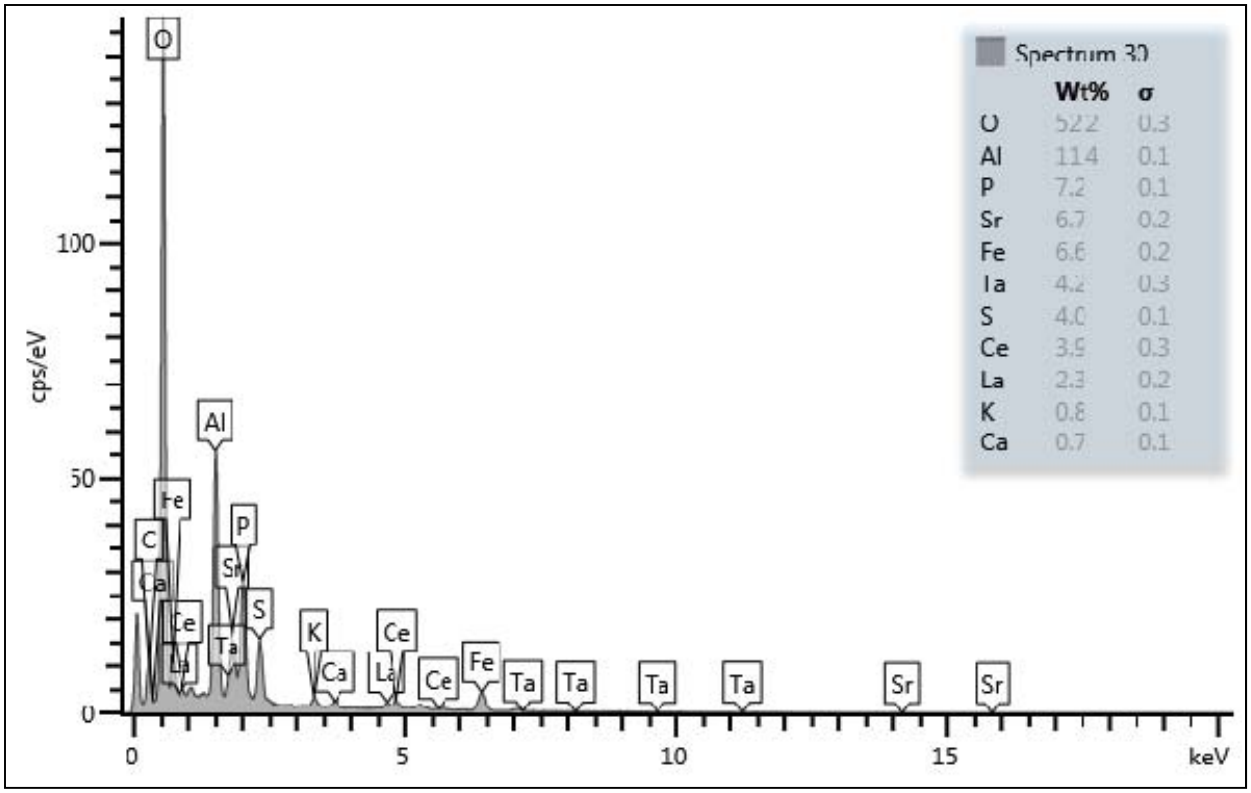

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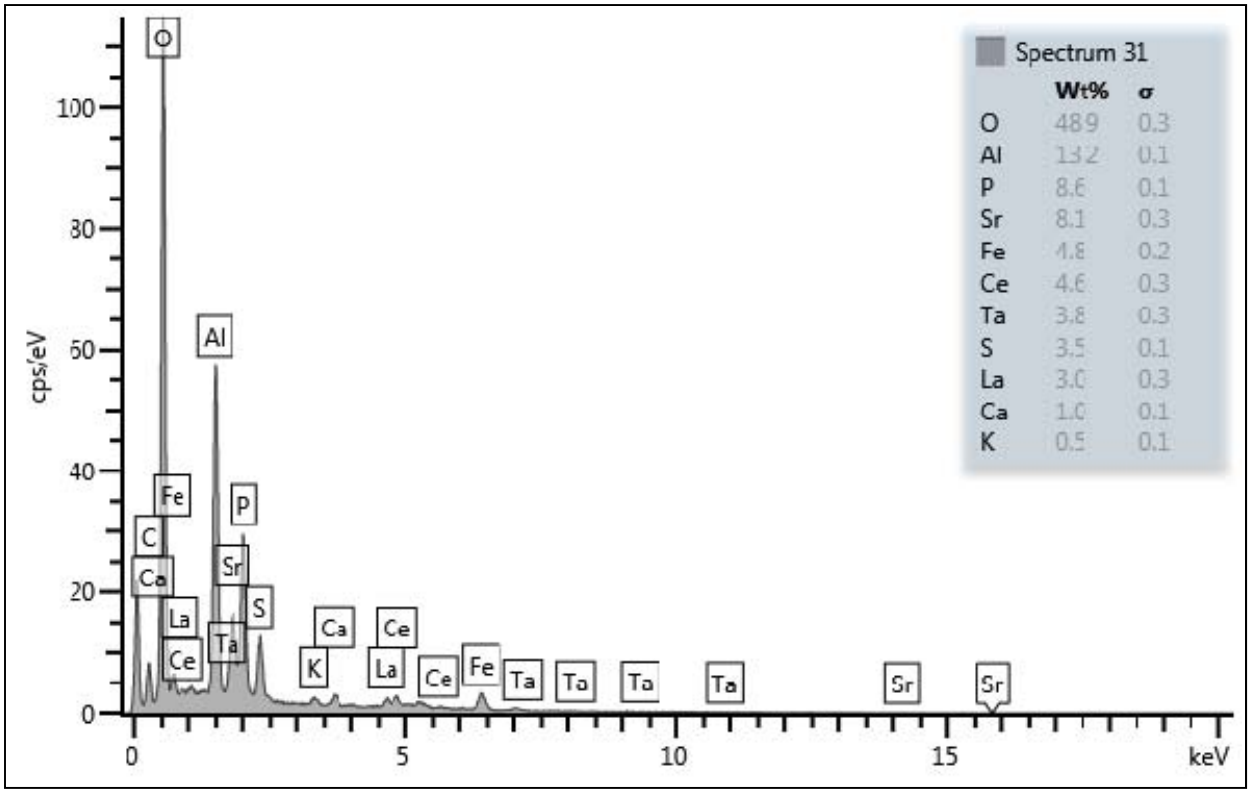
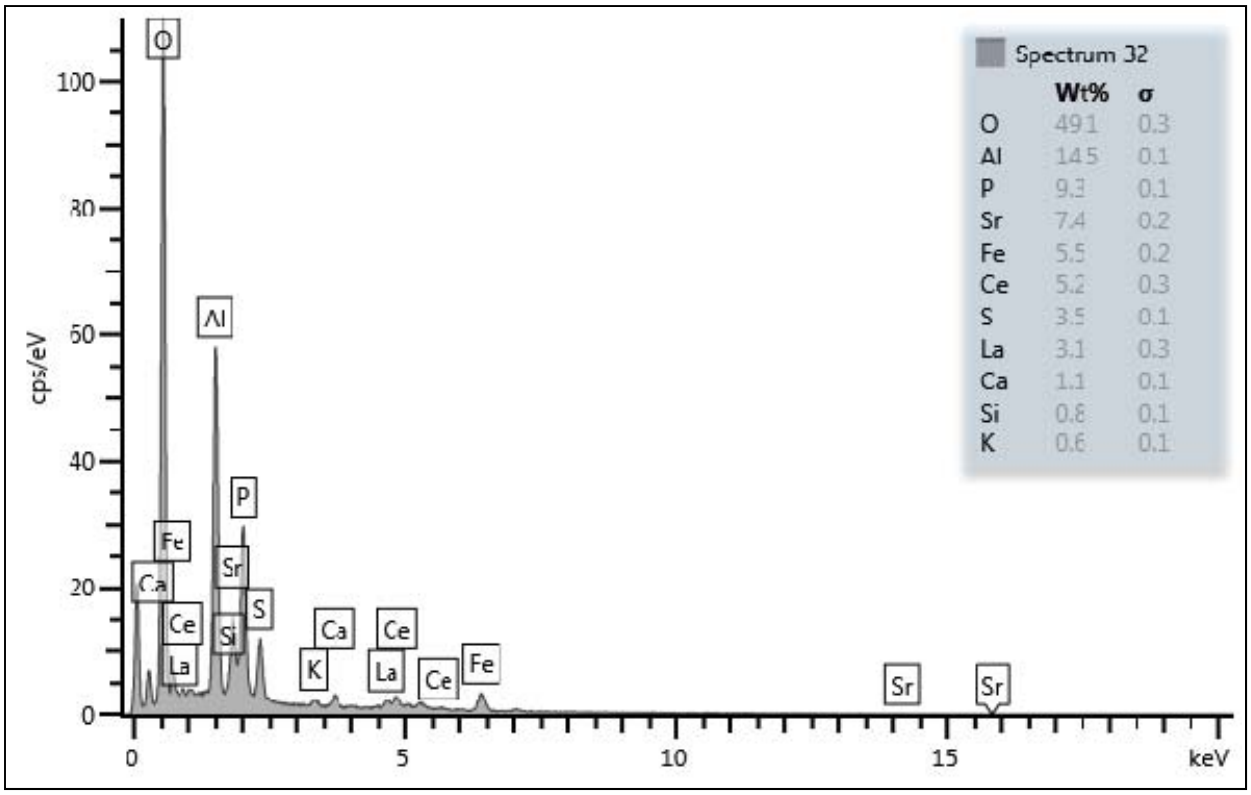
Daneros Mine Sample D-1

9/12/2012





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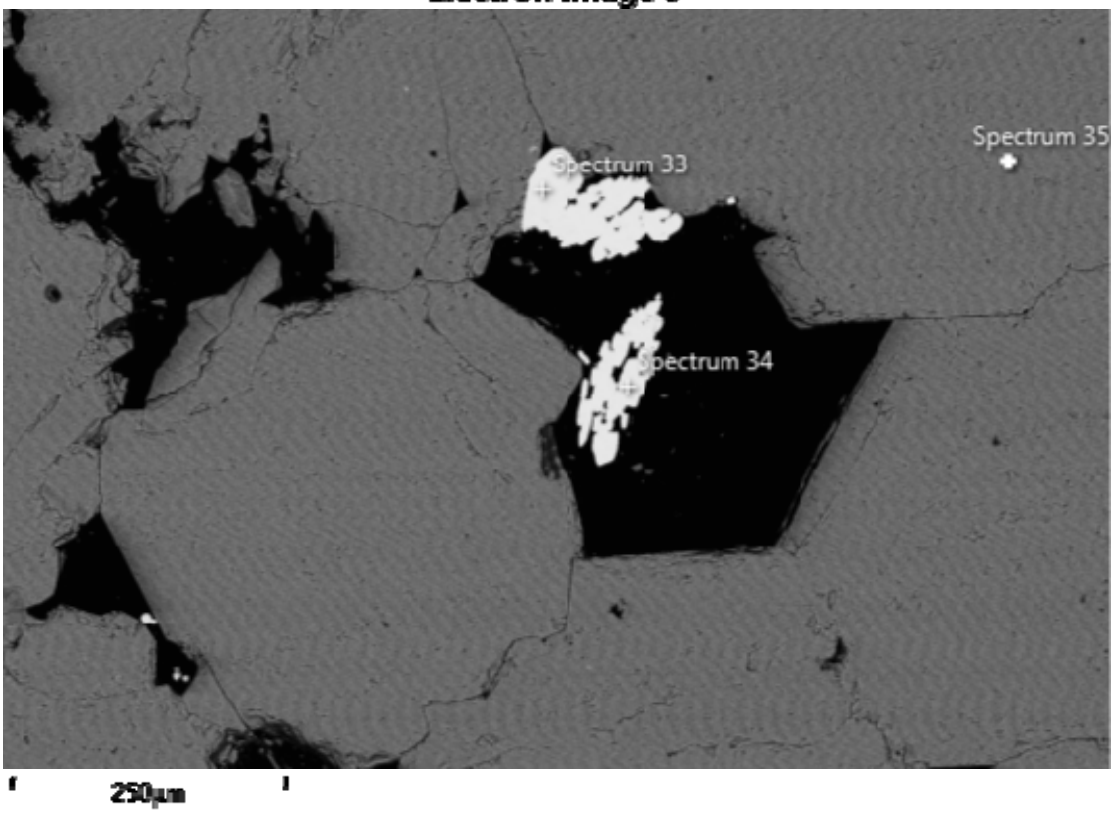
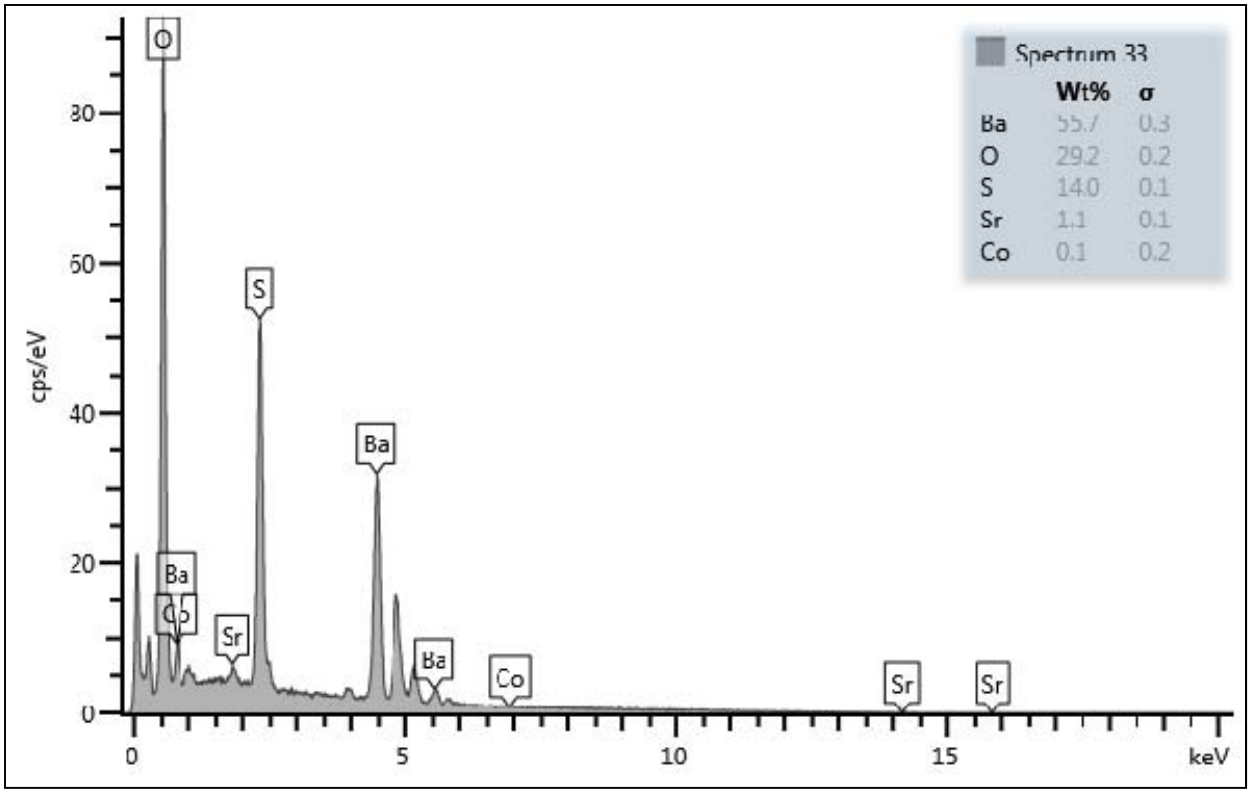
Electron Image 9





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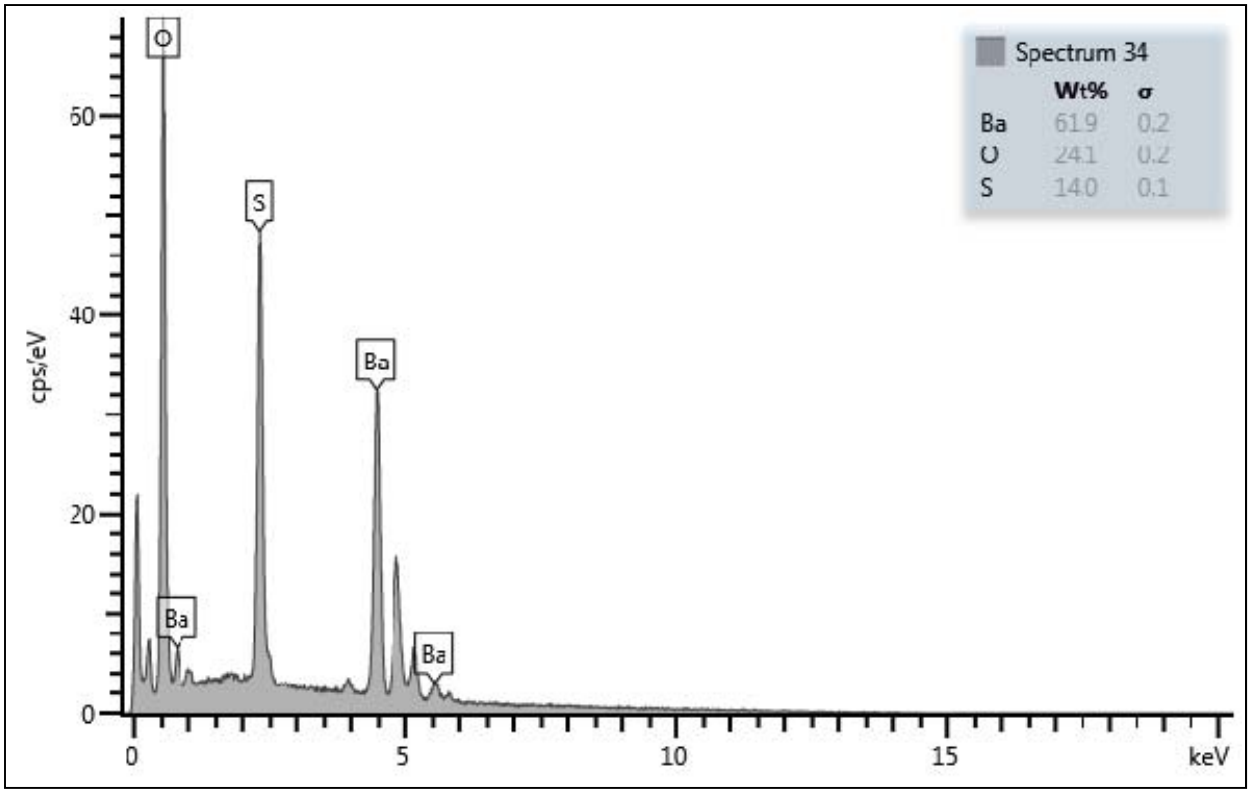
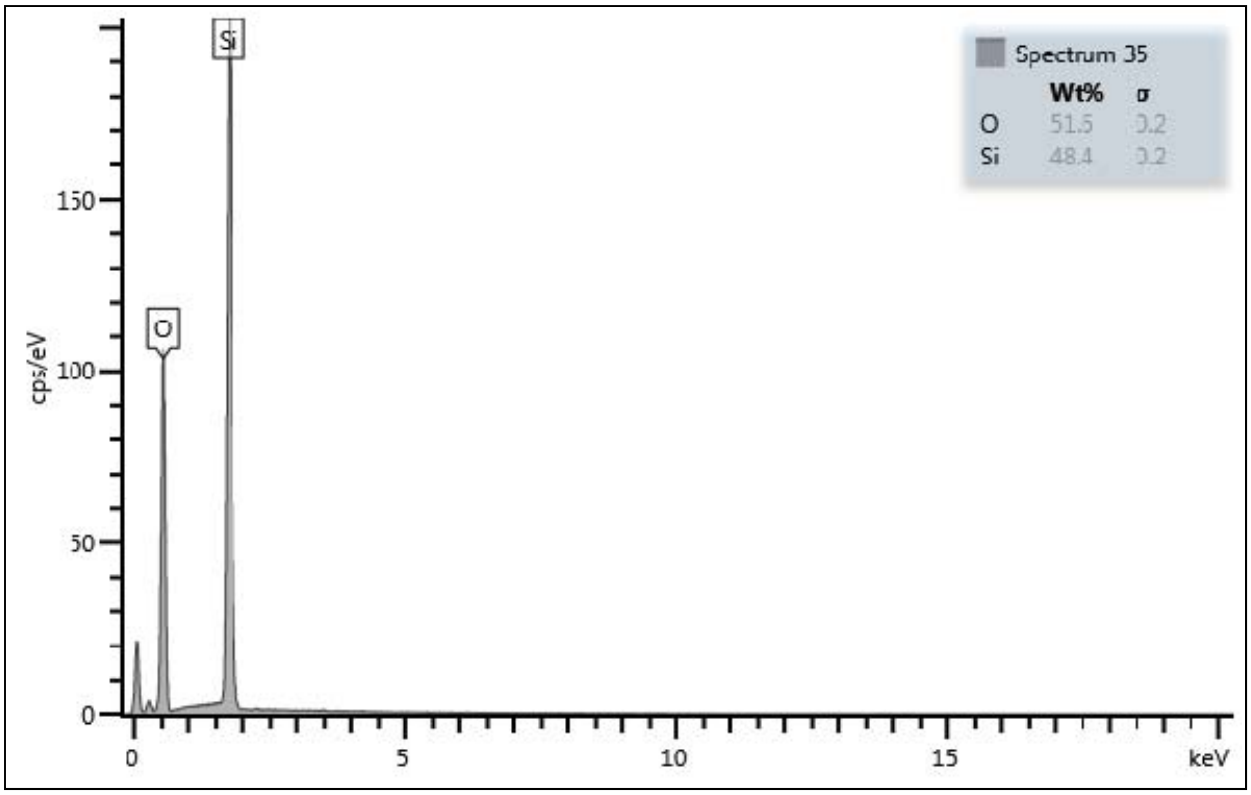
Daneros Mine Sample D-1

9/12/2012





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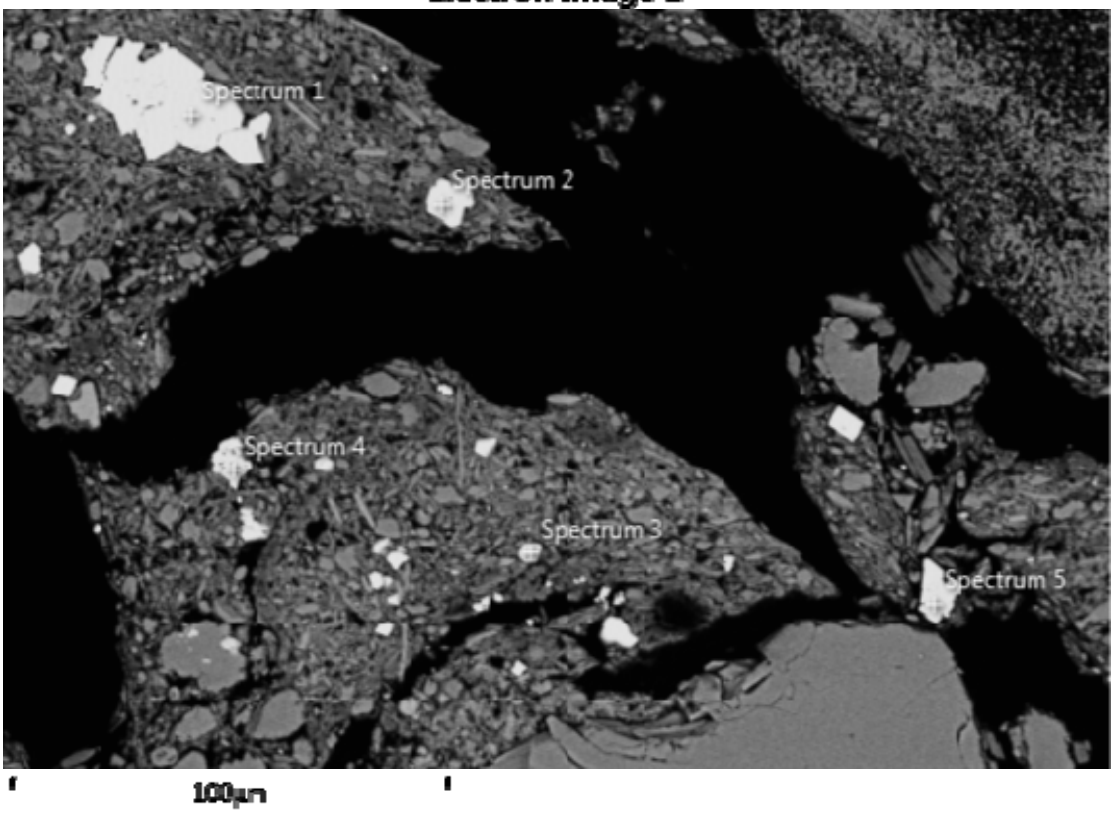
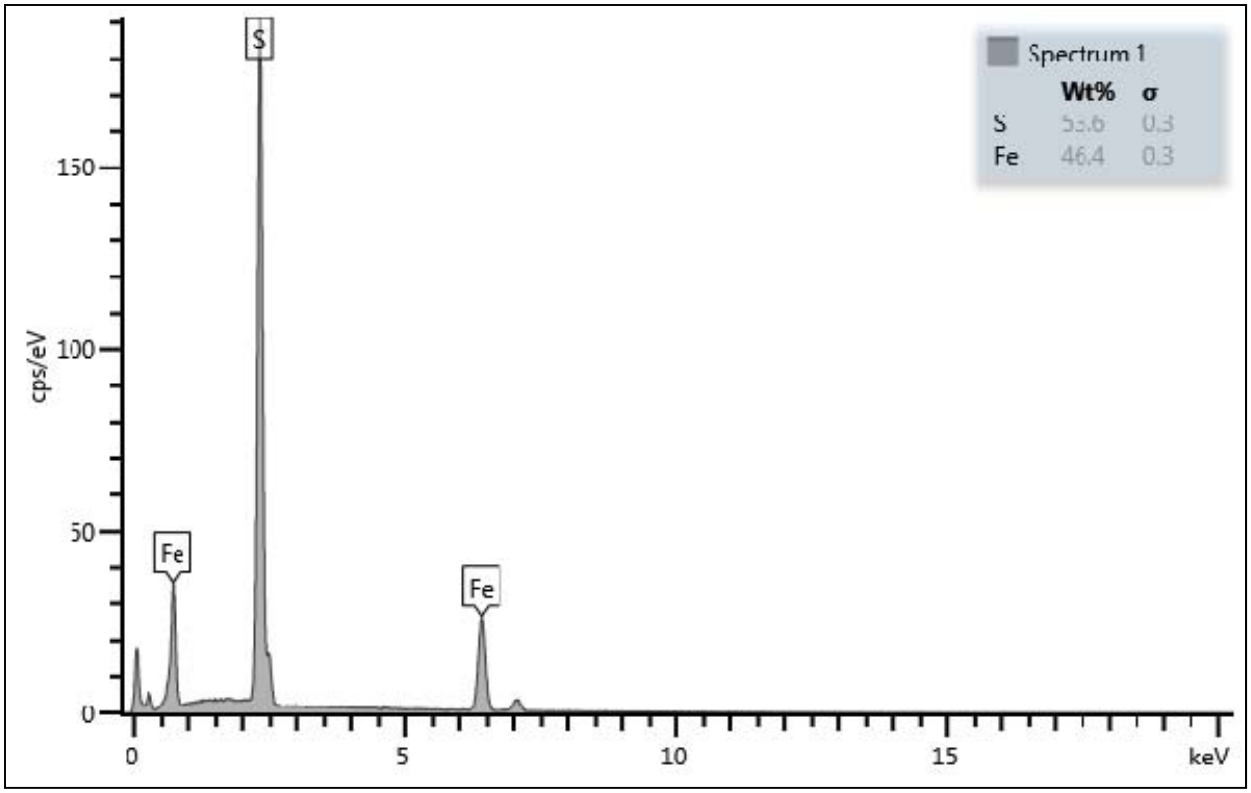
Daneros Mine Sample D-2 9/12/2012

Electron Image 1





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Daneros Mine Sample D-2

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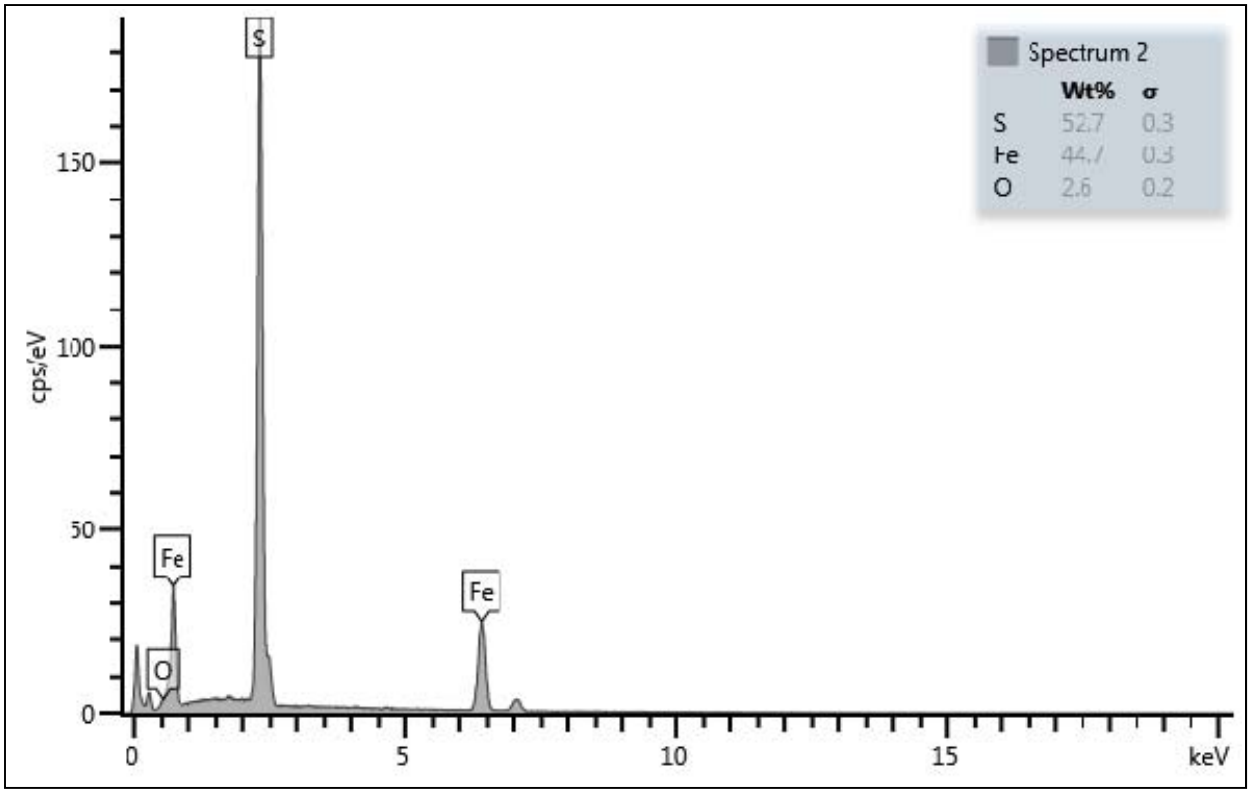

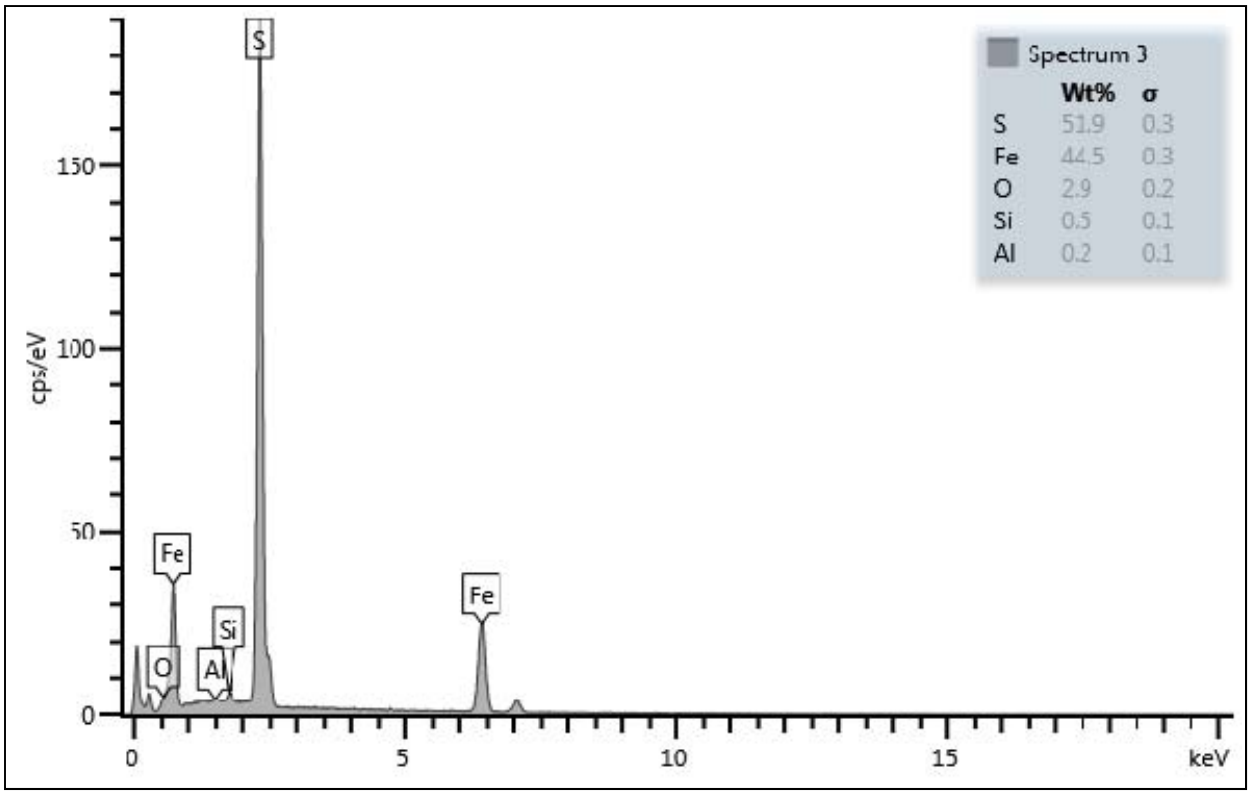

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Daneros Mine Sample D-2

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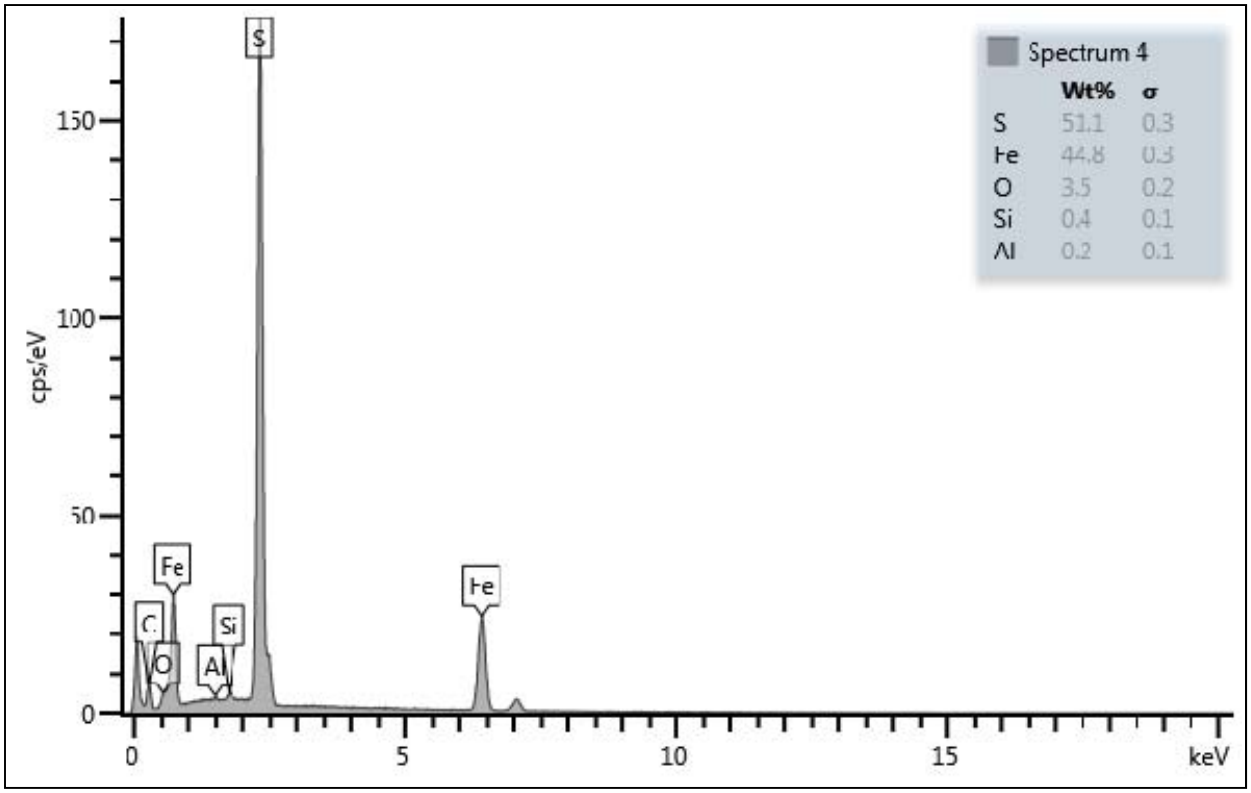

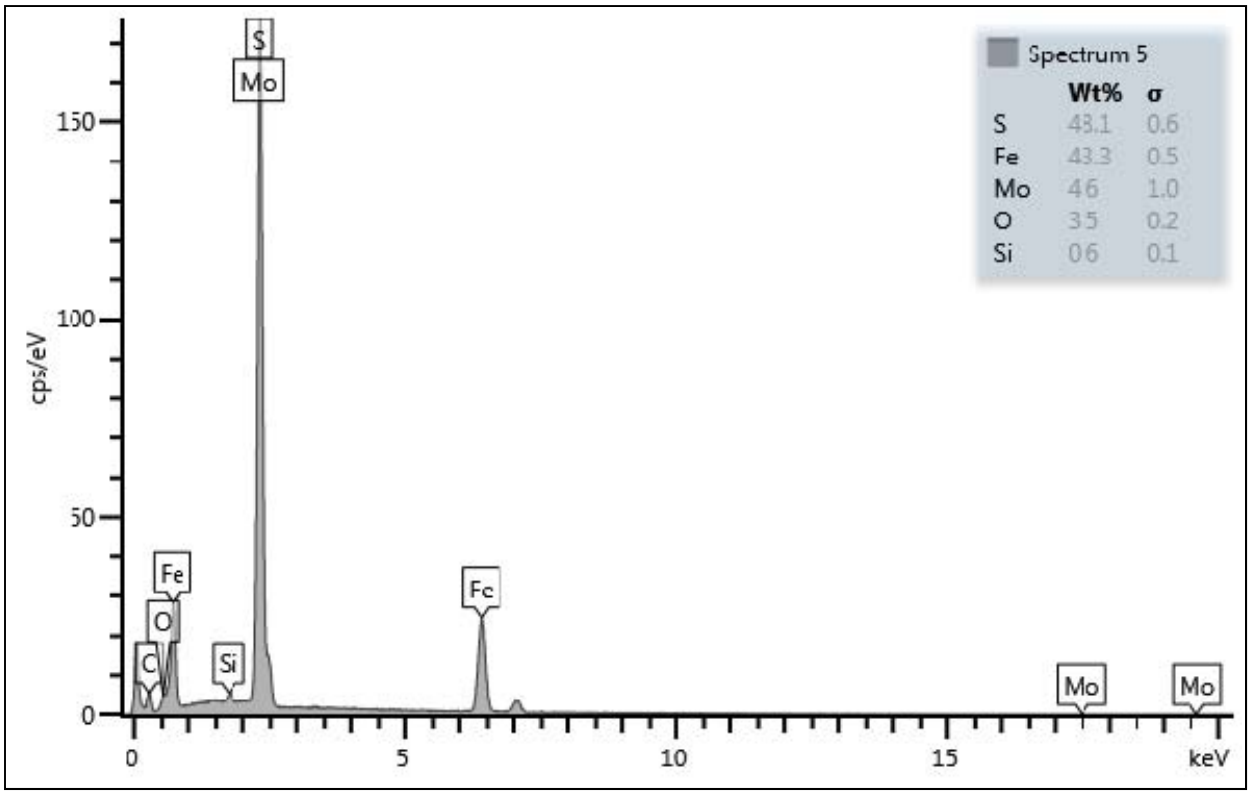

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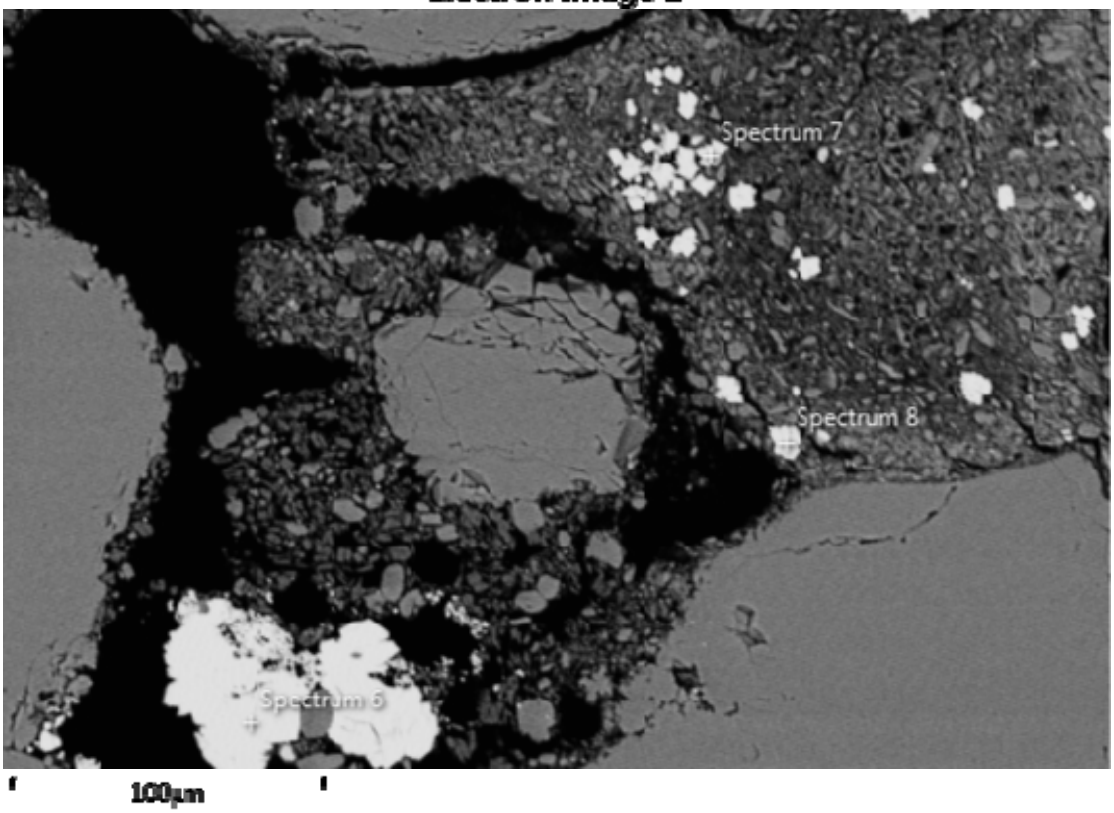
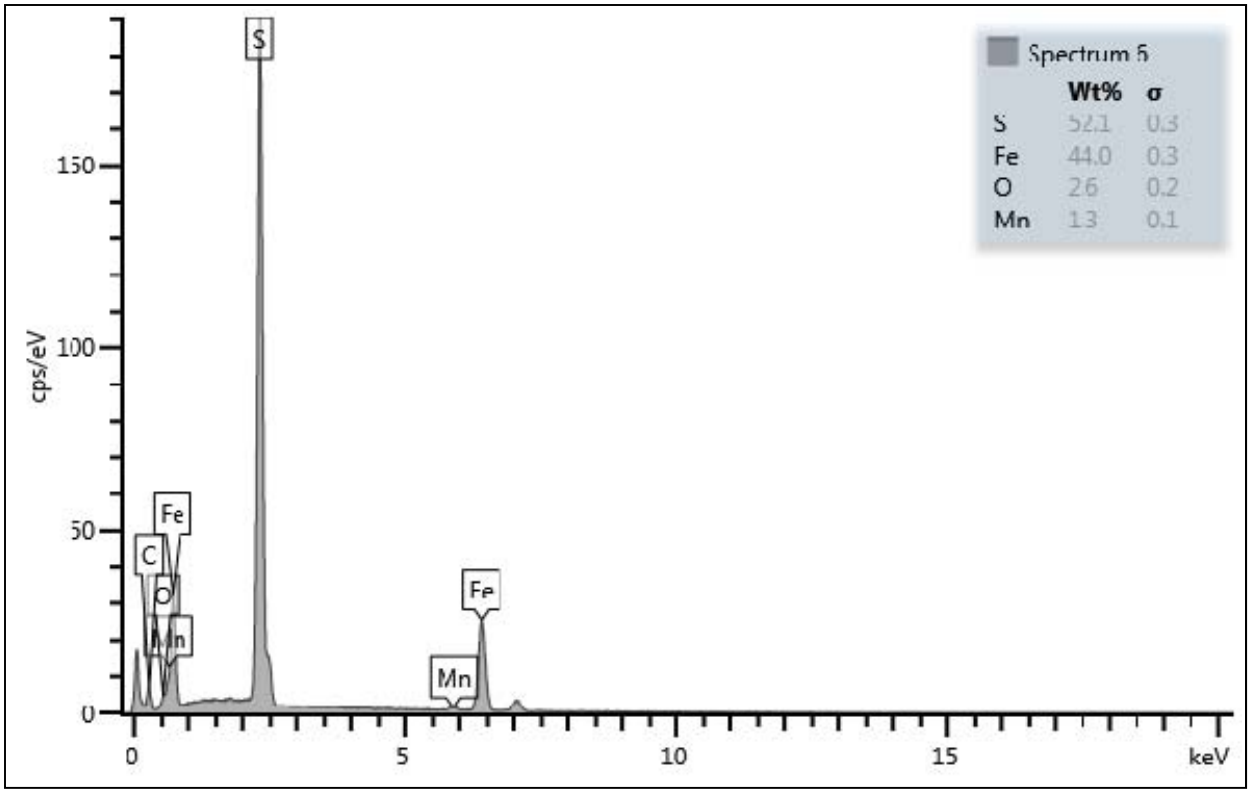
Electron Image 2





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Daneros Mine Sample D-2

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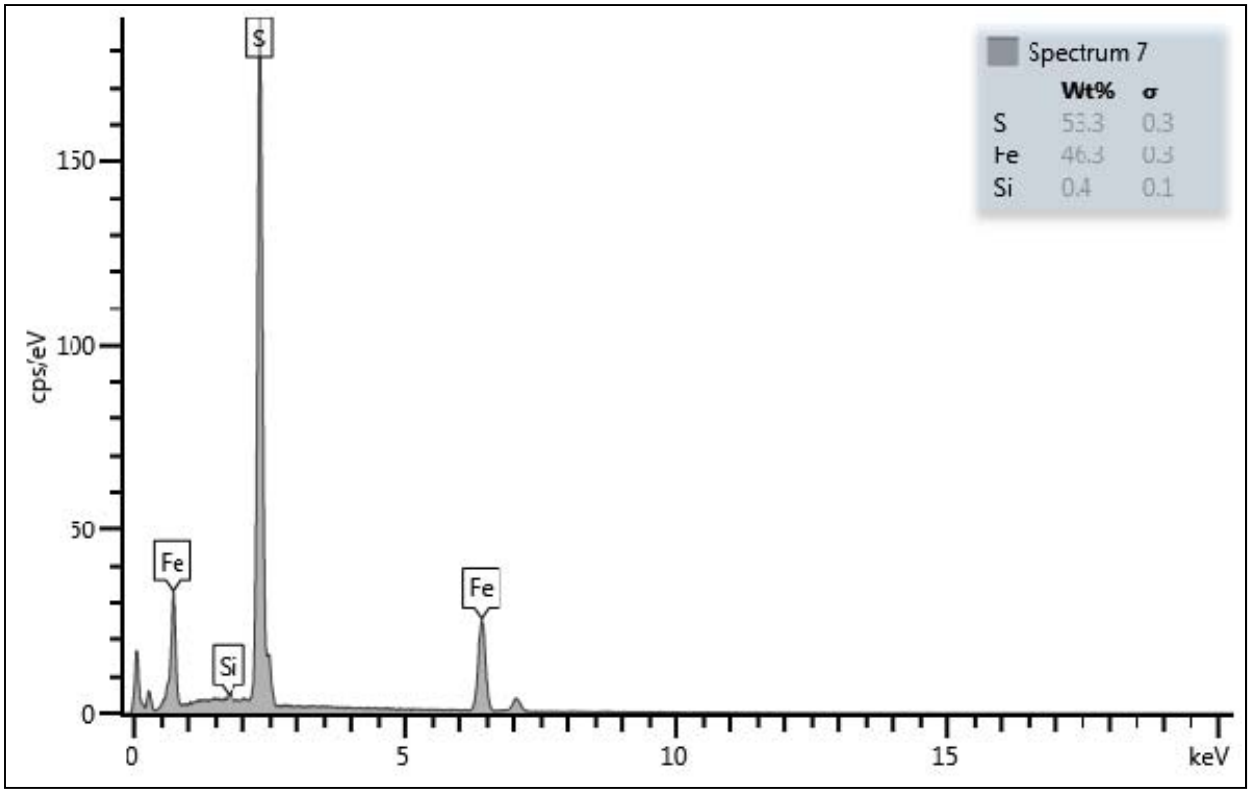

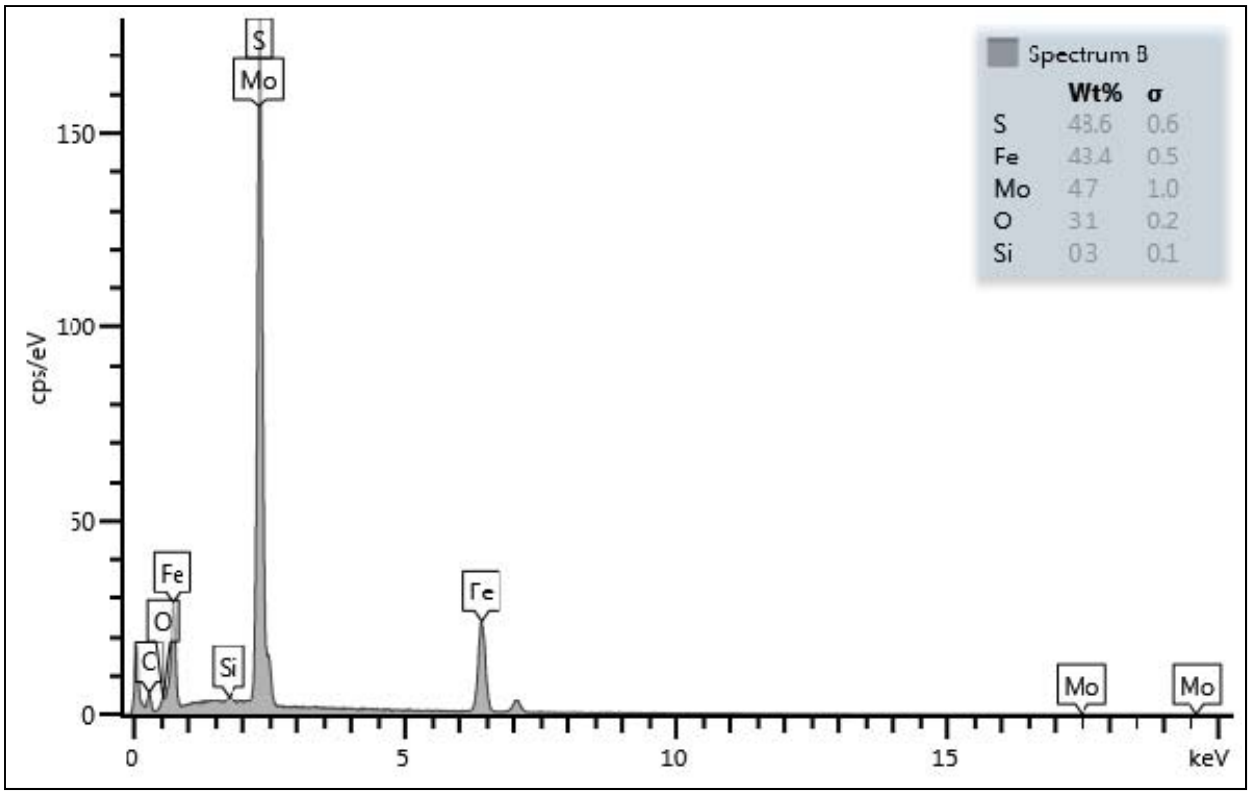

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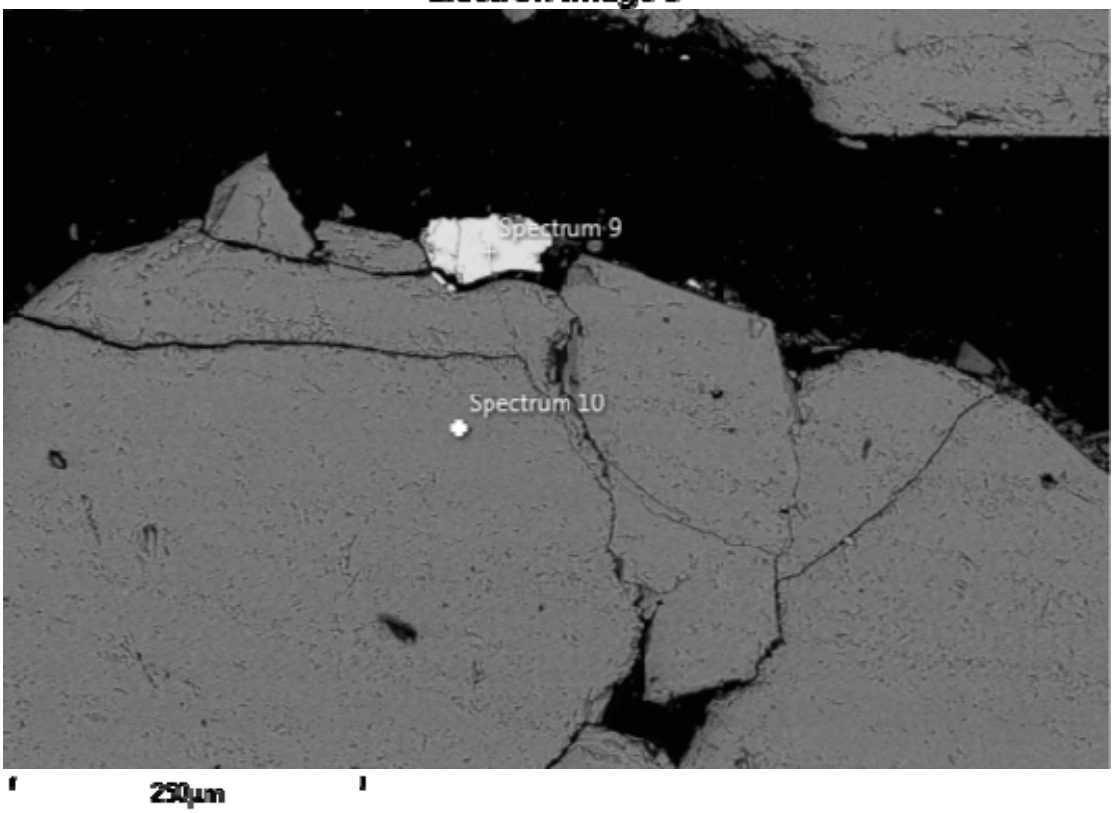
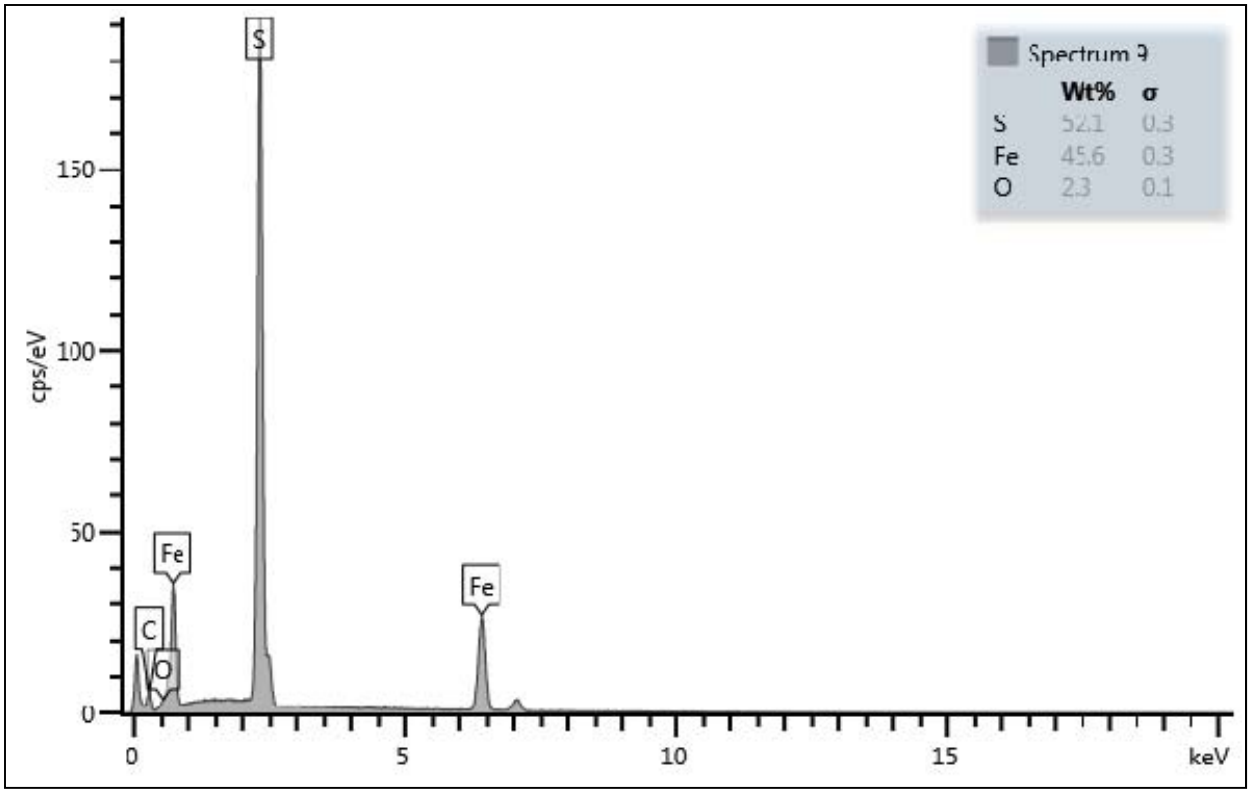
Electron Image 3





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Daneros Mine Sample D-2

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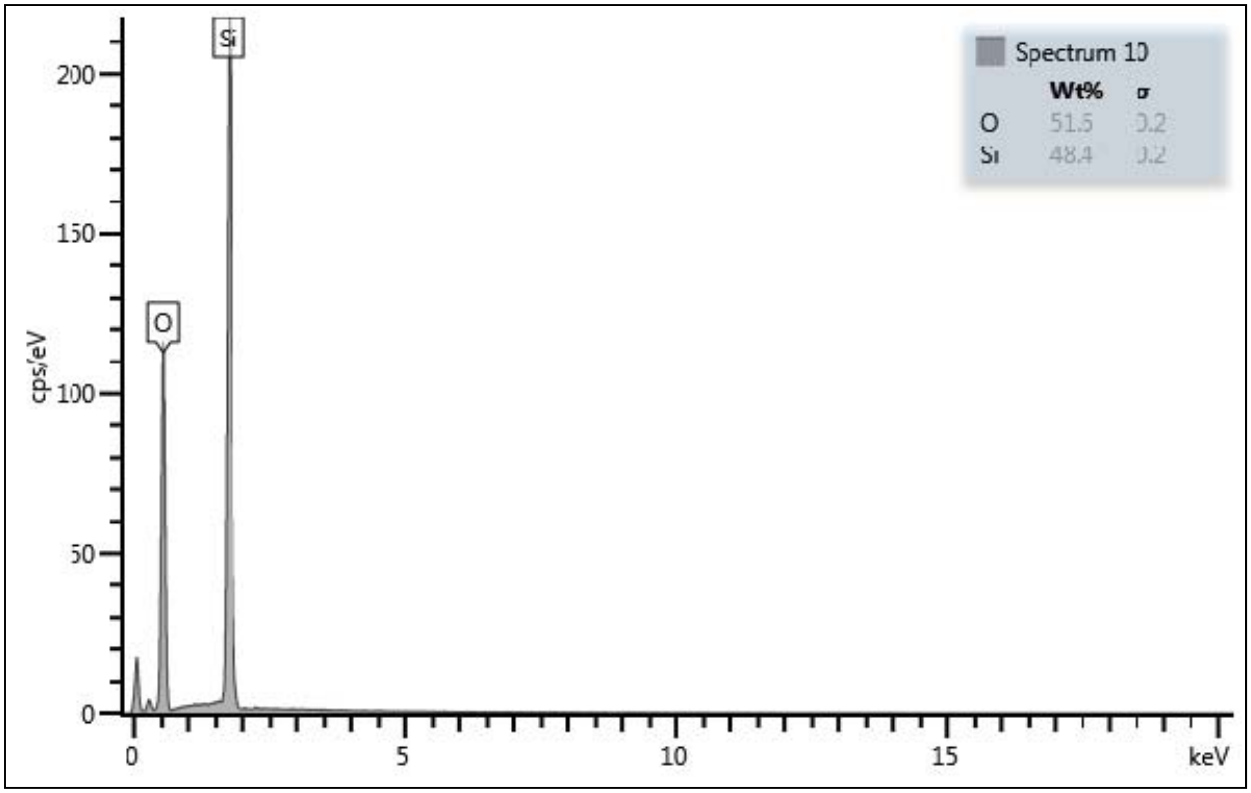

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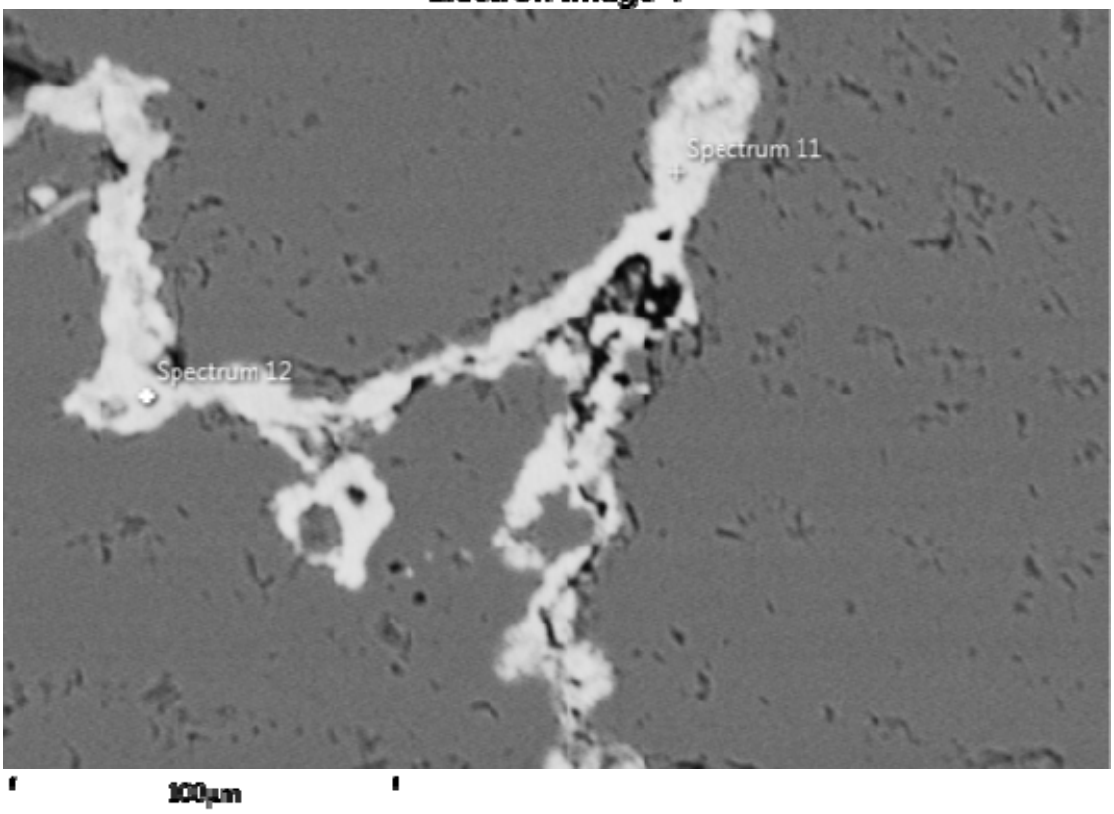
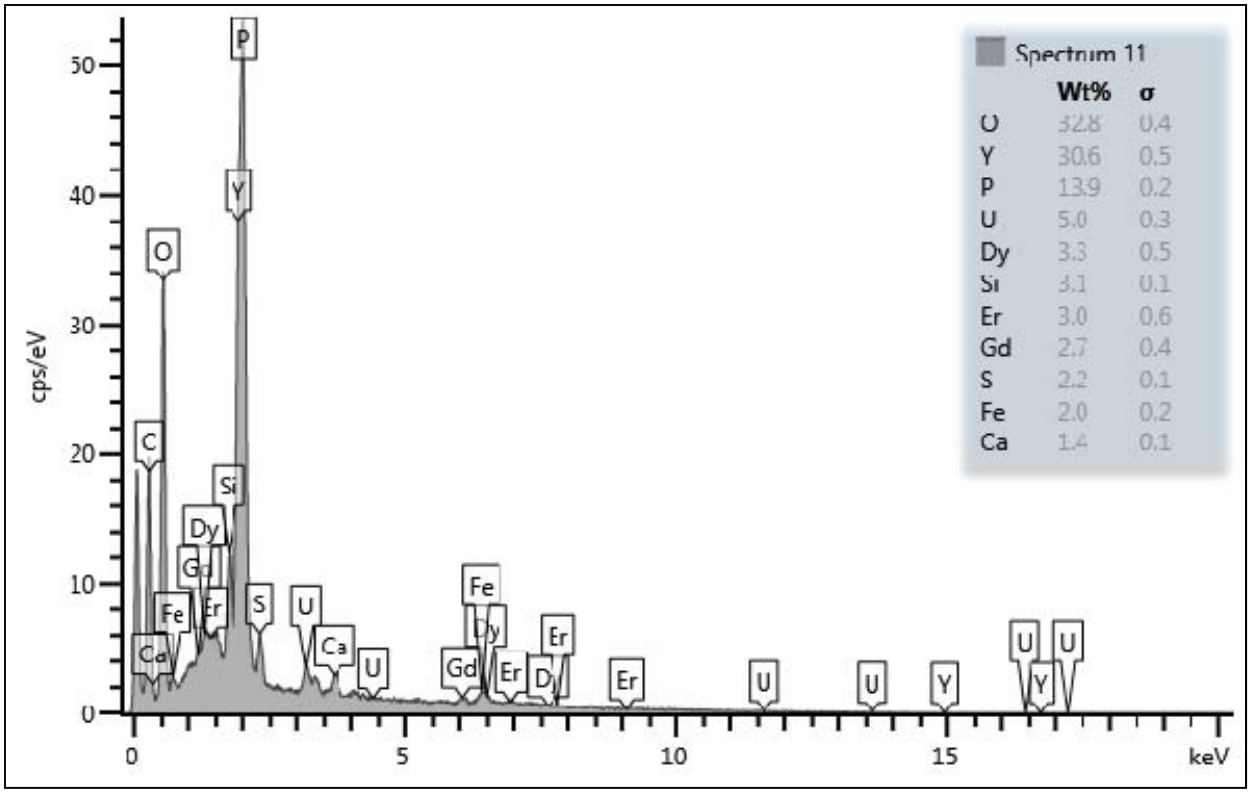
Electron Image 4





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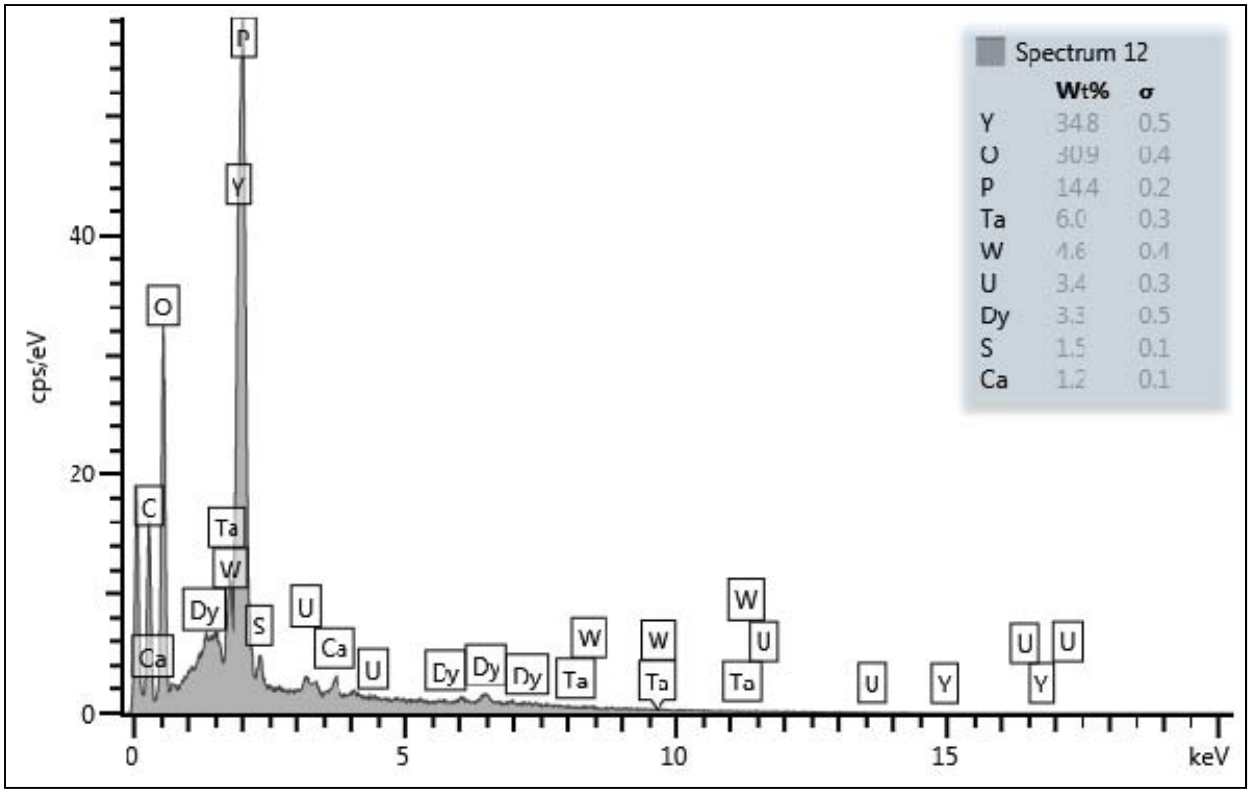
Daneros Mine Sample D-2

9/12/2012



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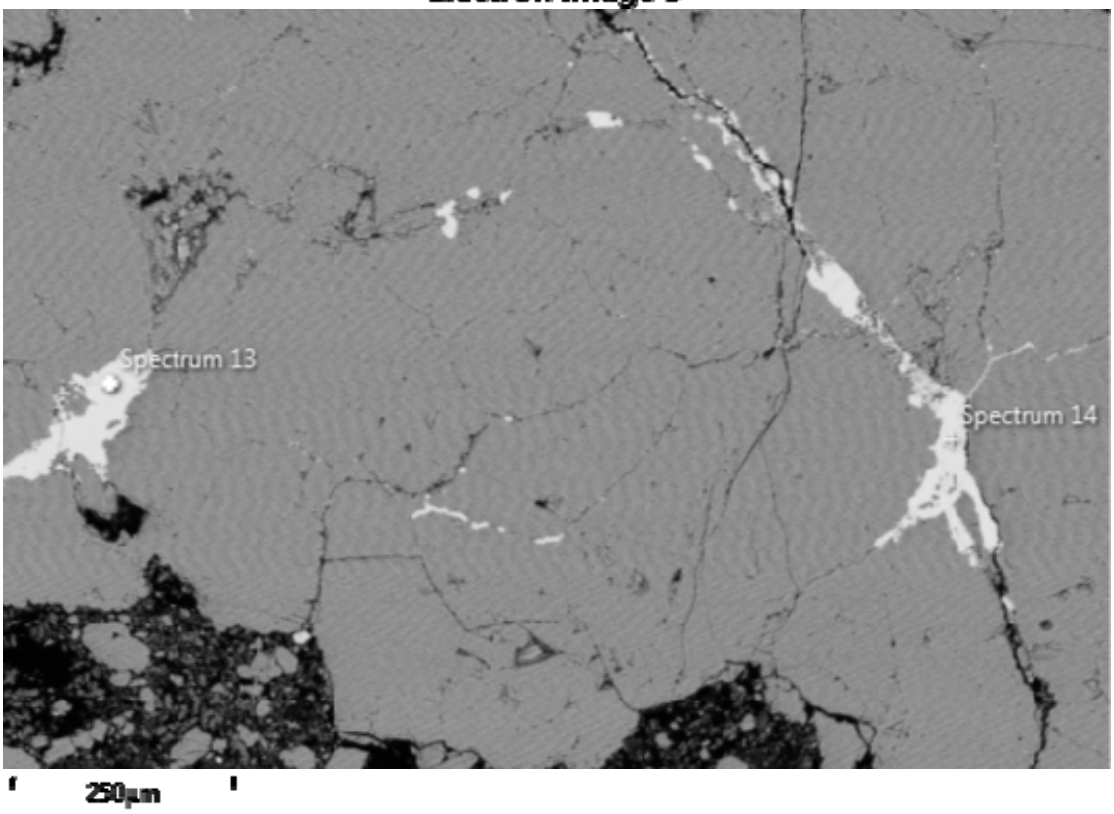
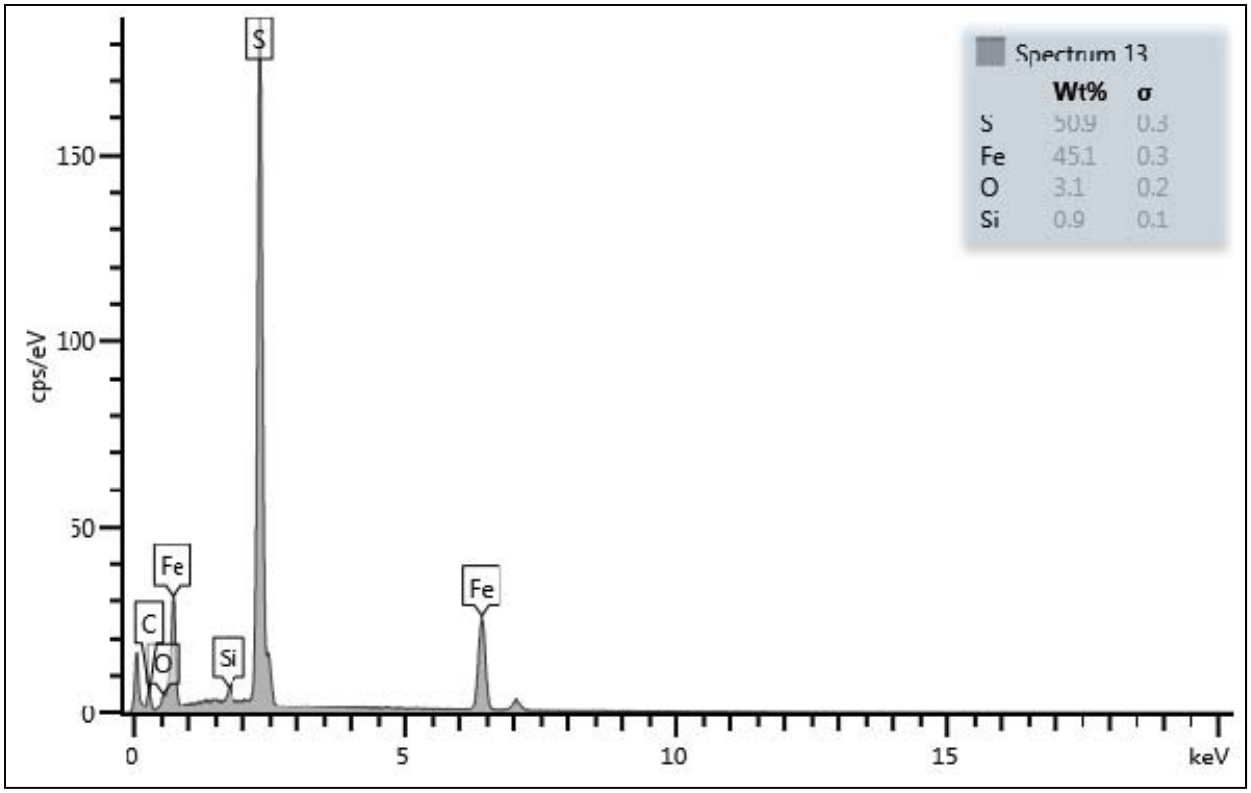
Electron Image 5





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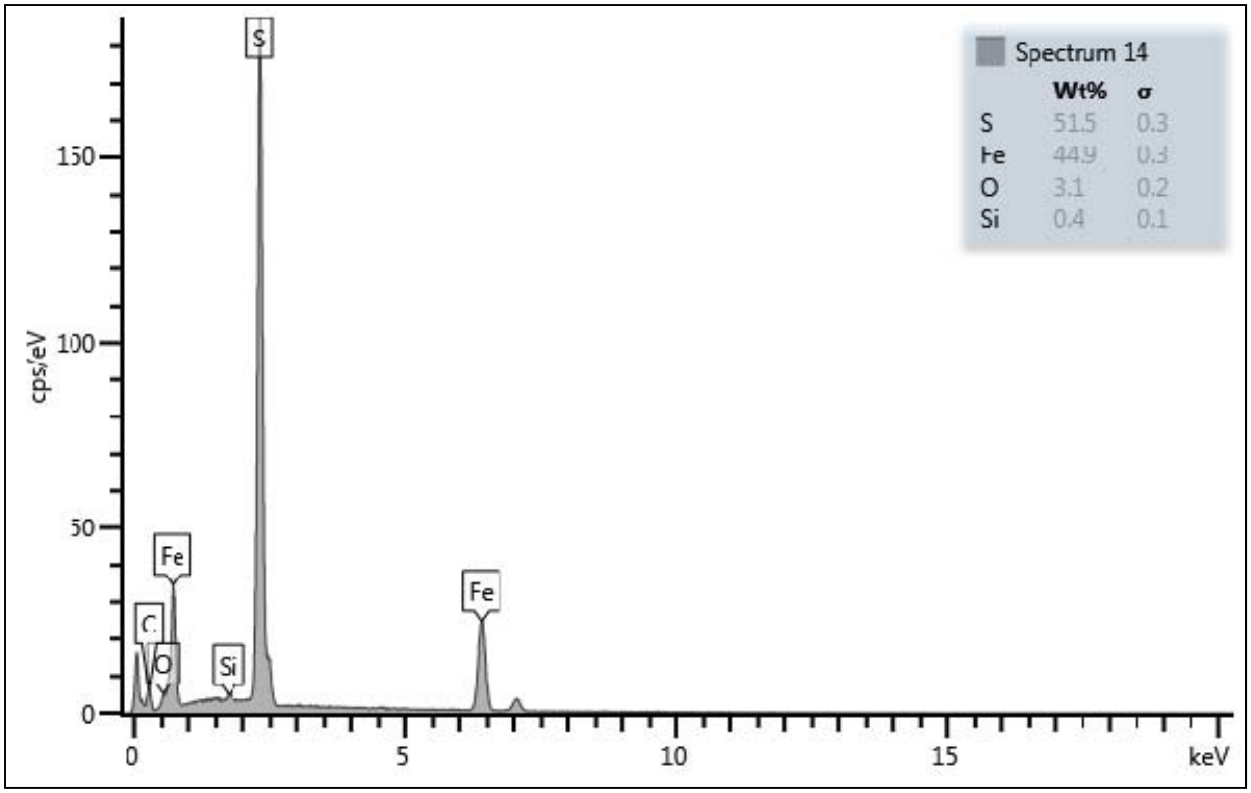
Daneros Mine Sample D-2

9/12/2012



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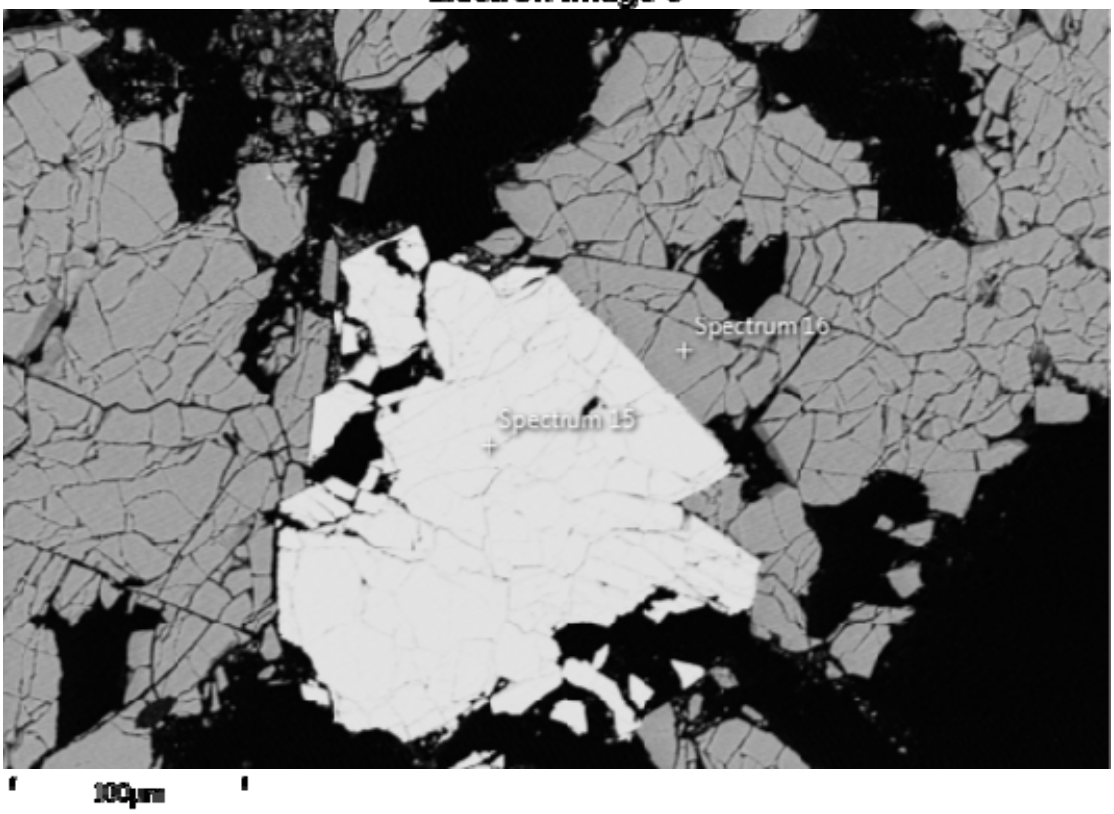
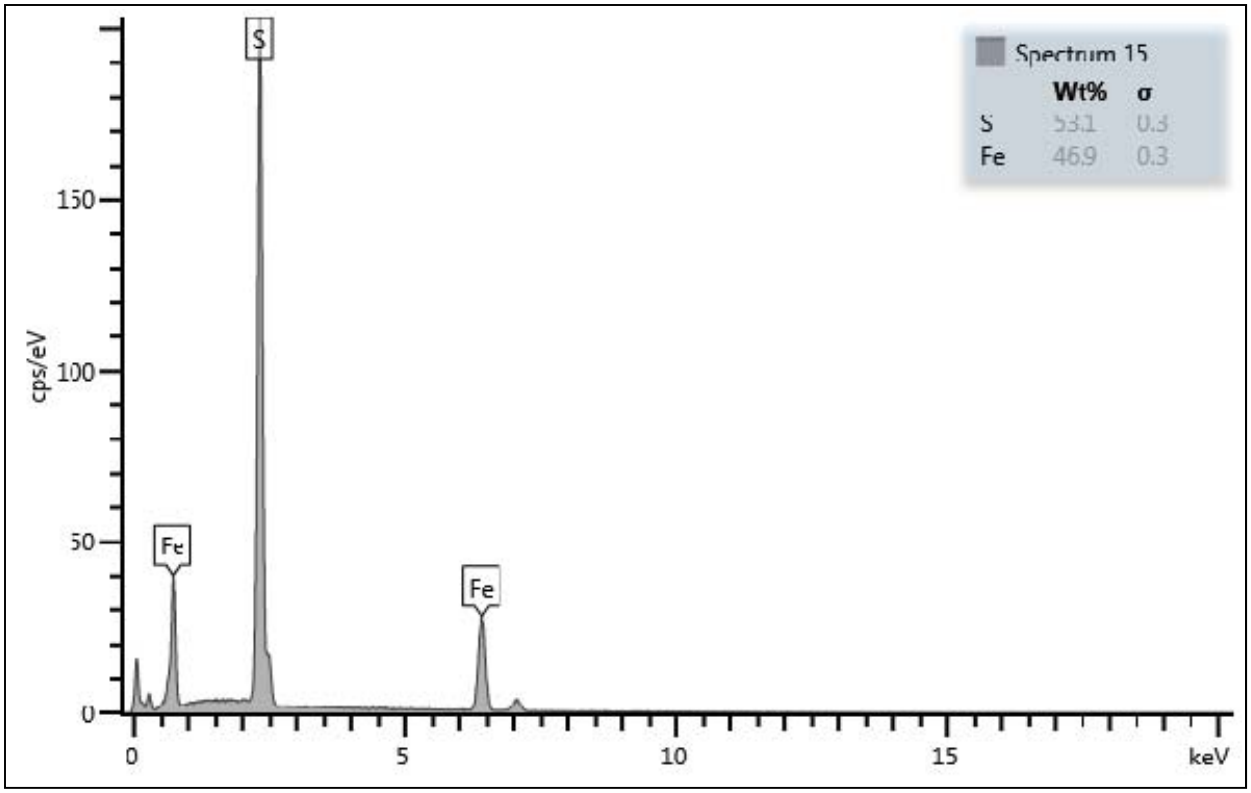
Electron Image 6





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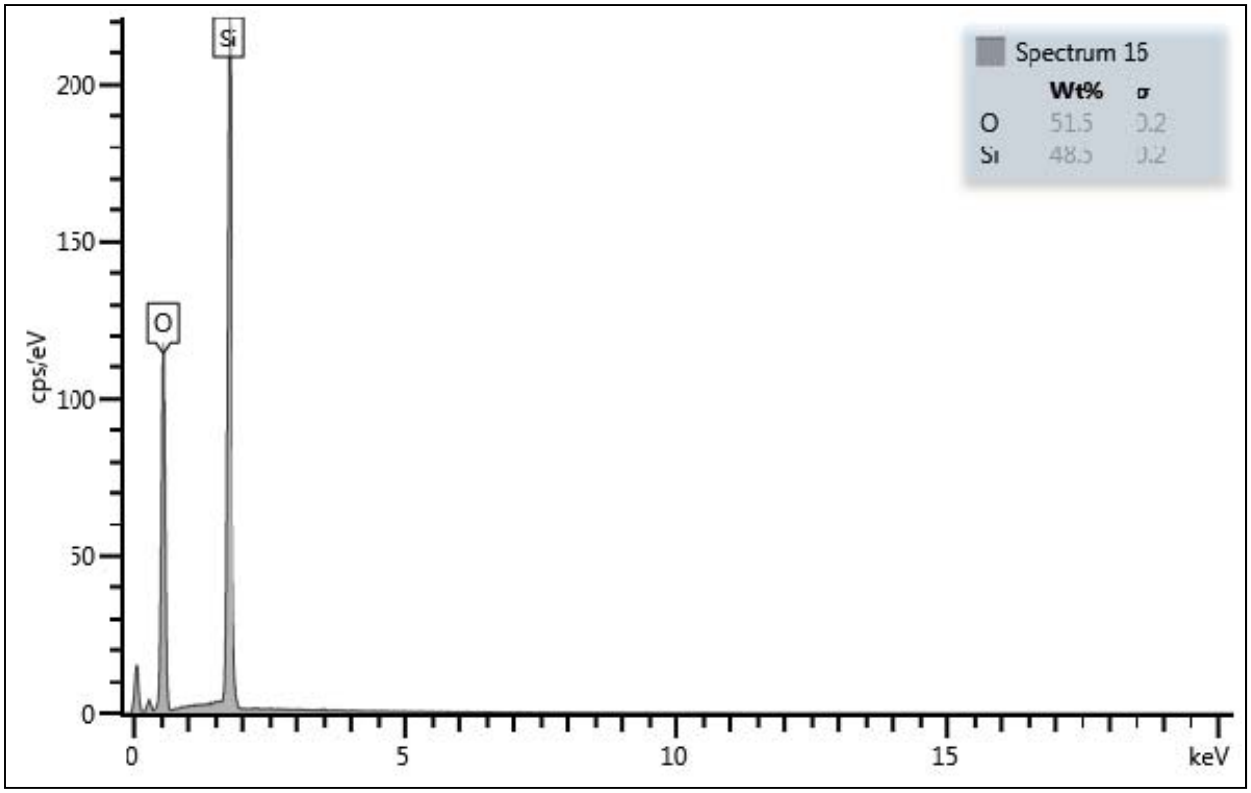
Daneros Mine Sample D-2

9/12/2012



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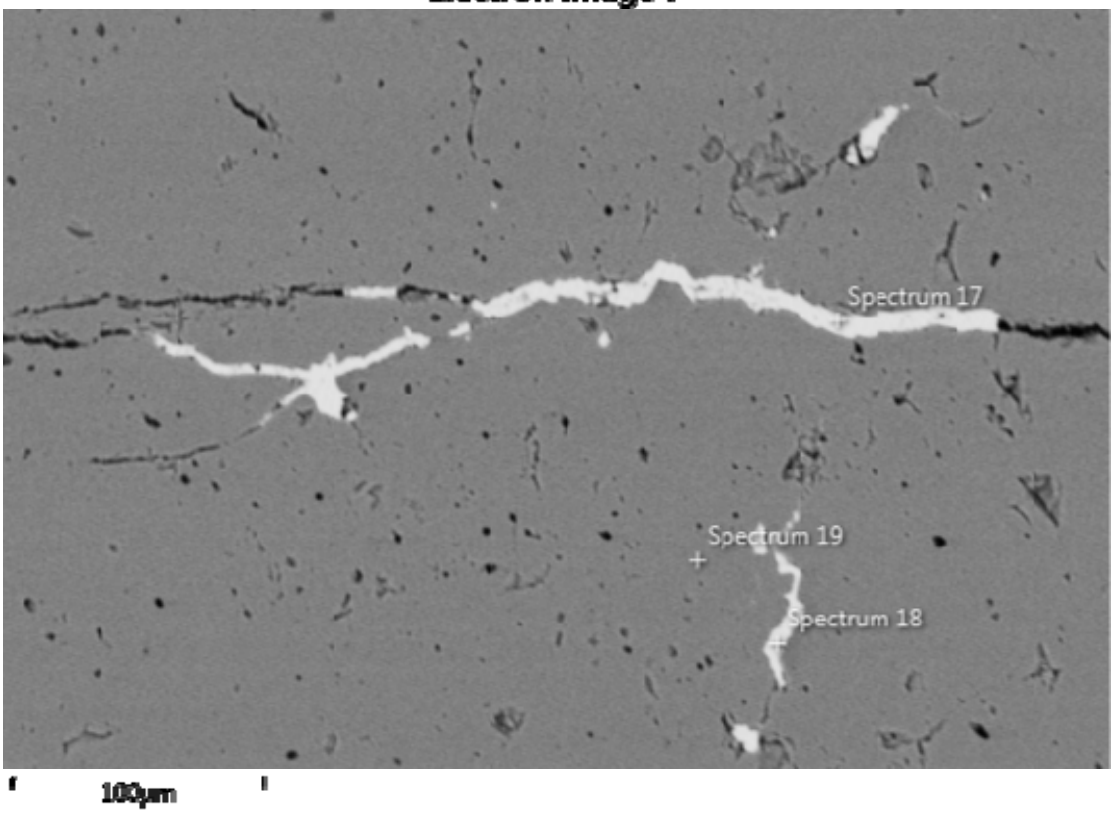
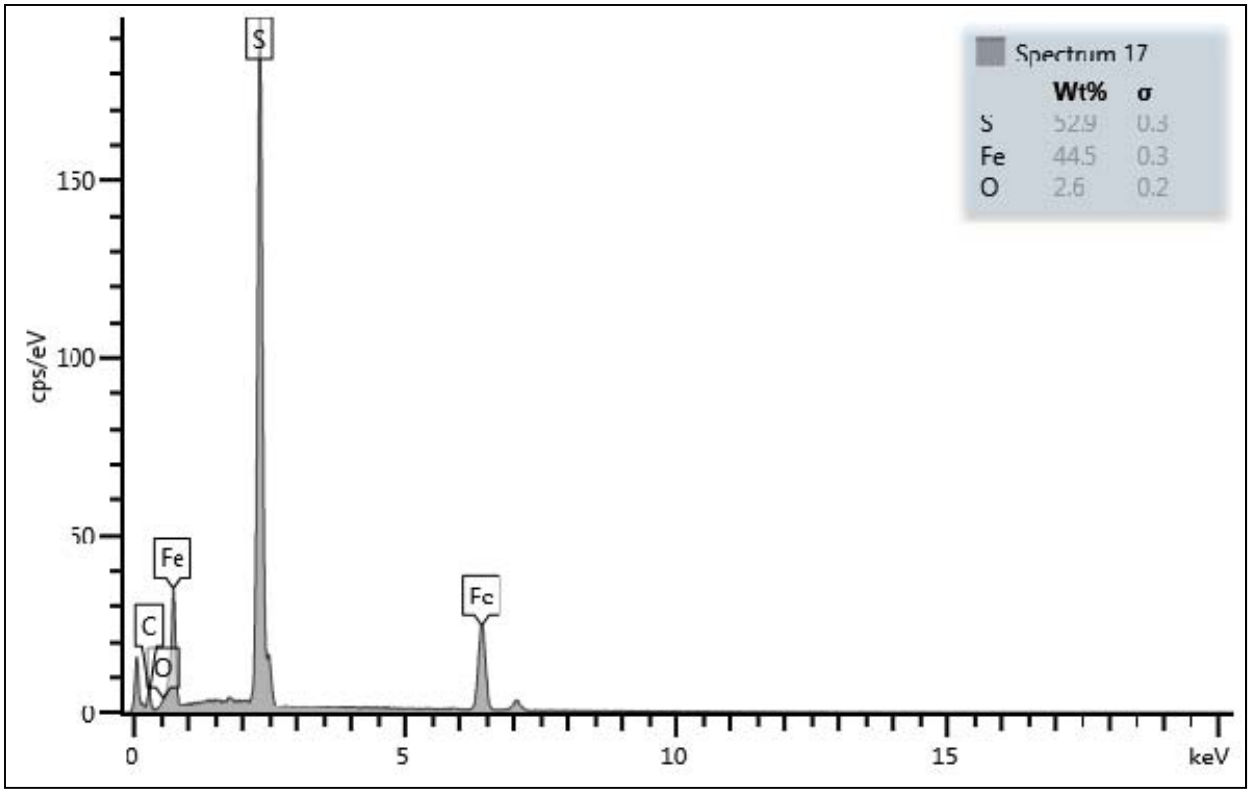
Electron Image 7





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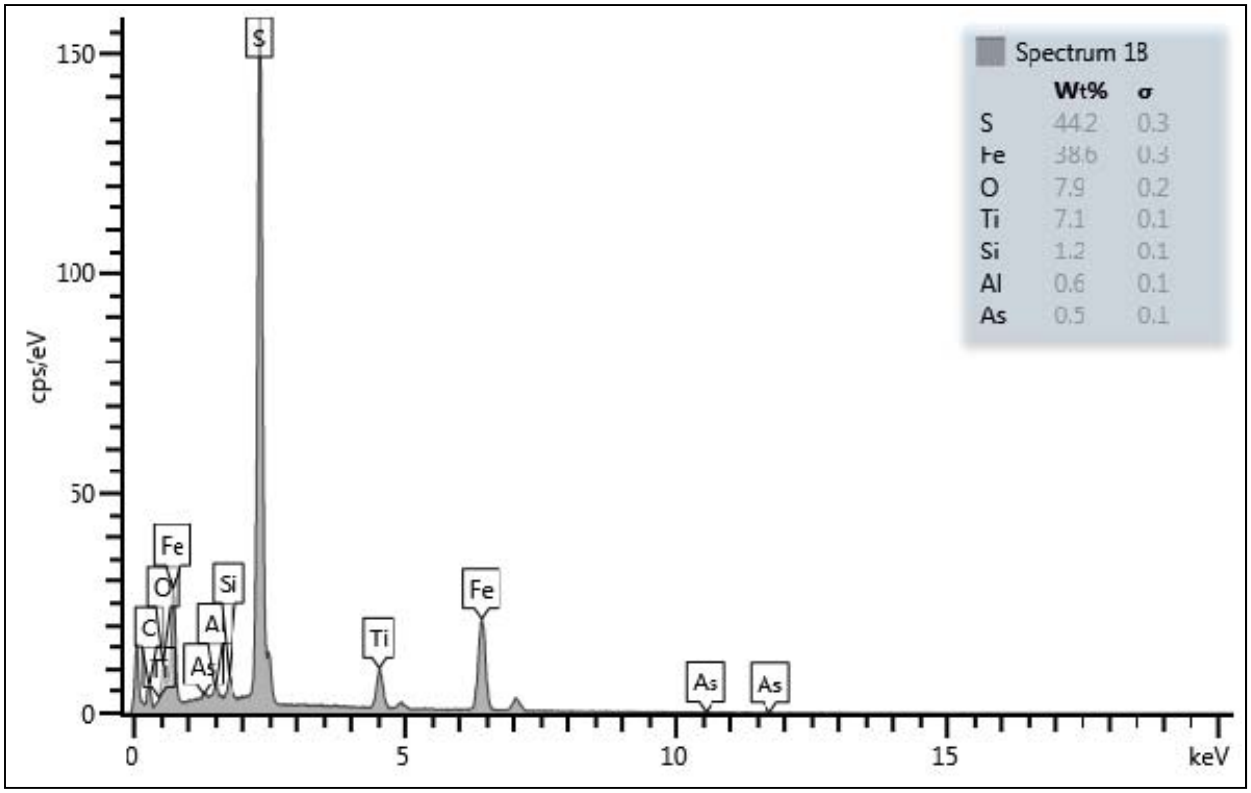
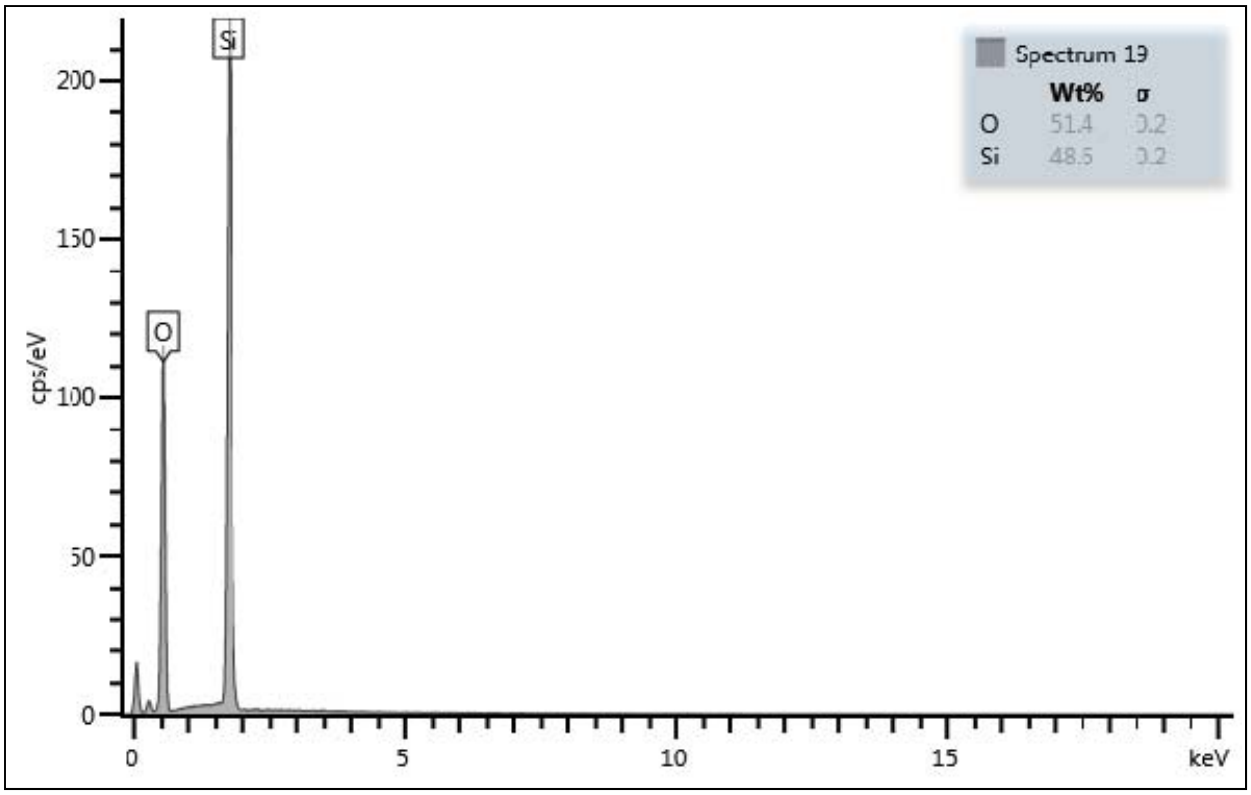
Daneros Mine Sample D-2

9/12/2012





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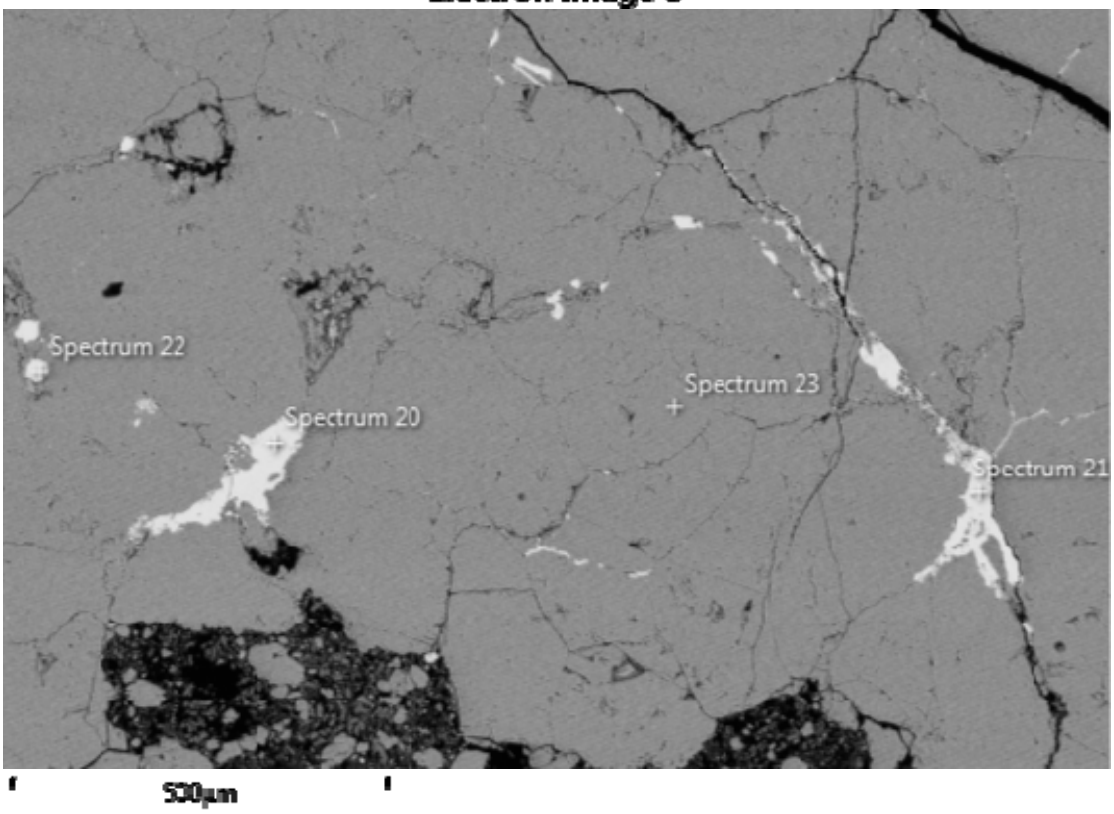
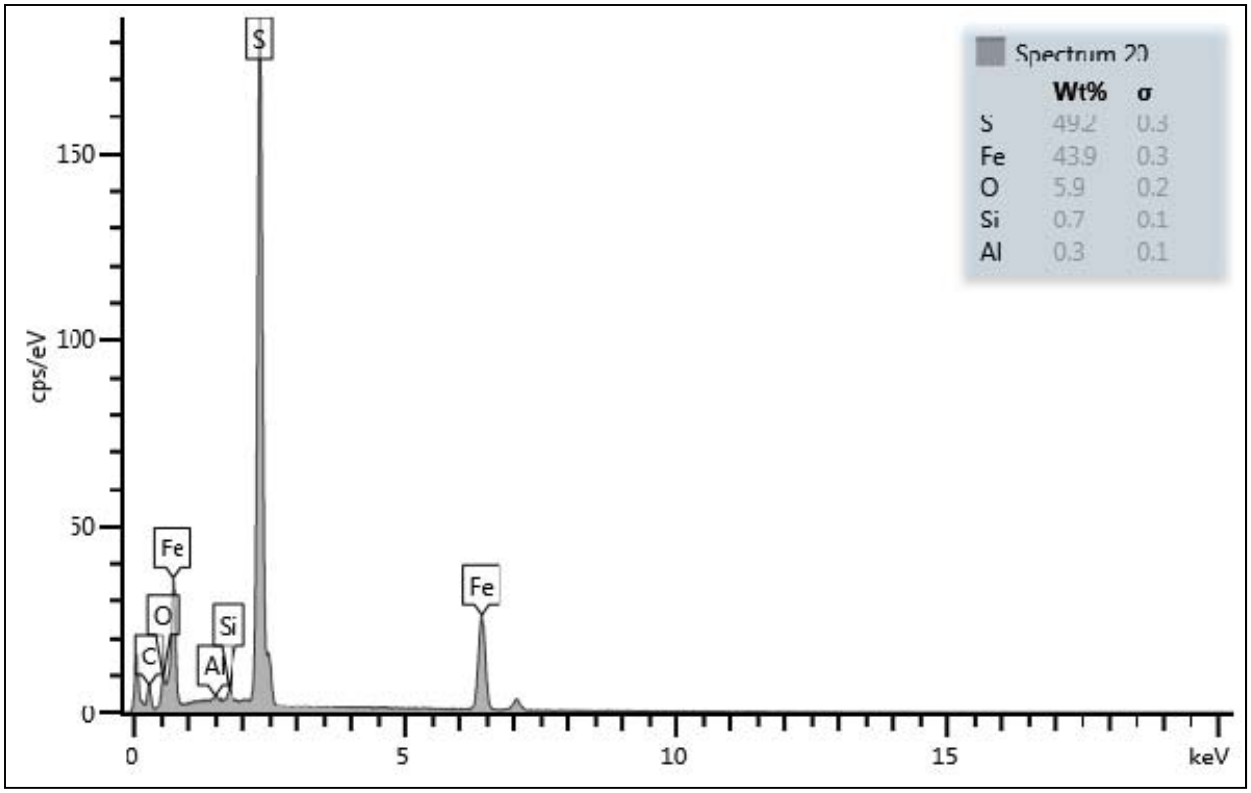
Daneros Mine Sample D-2 9/12/2012

Electron Image 8





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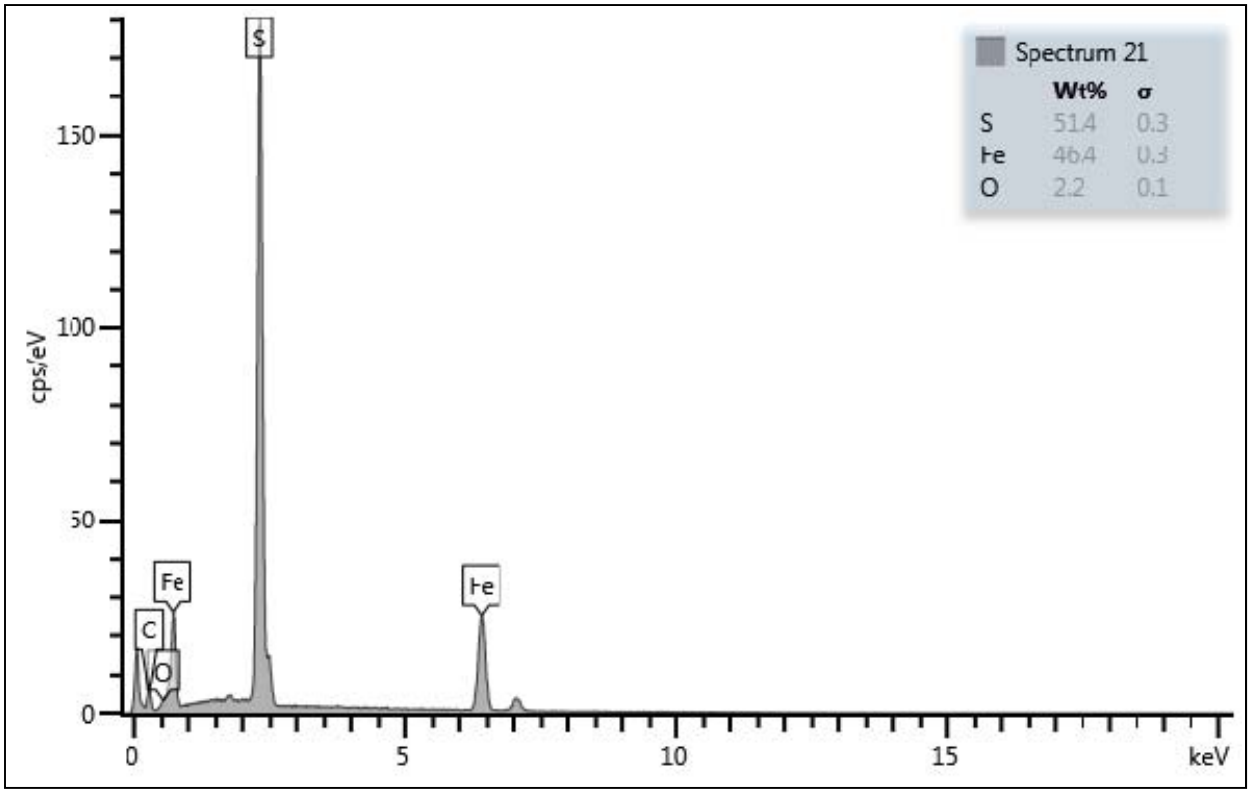
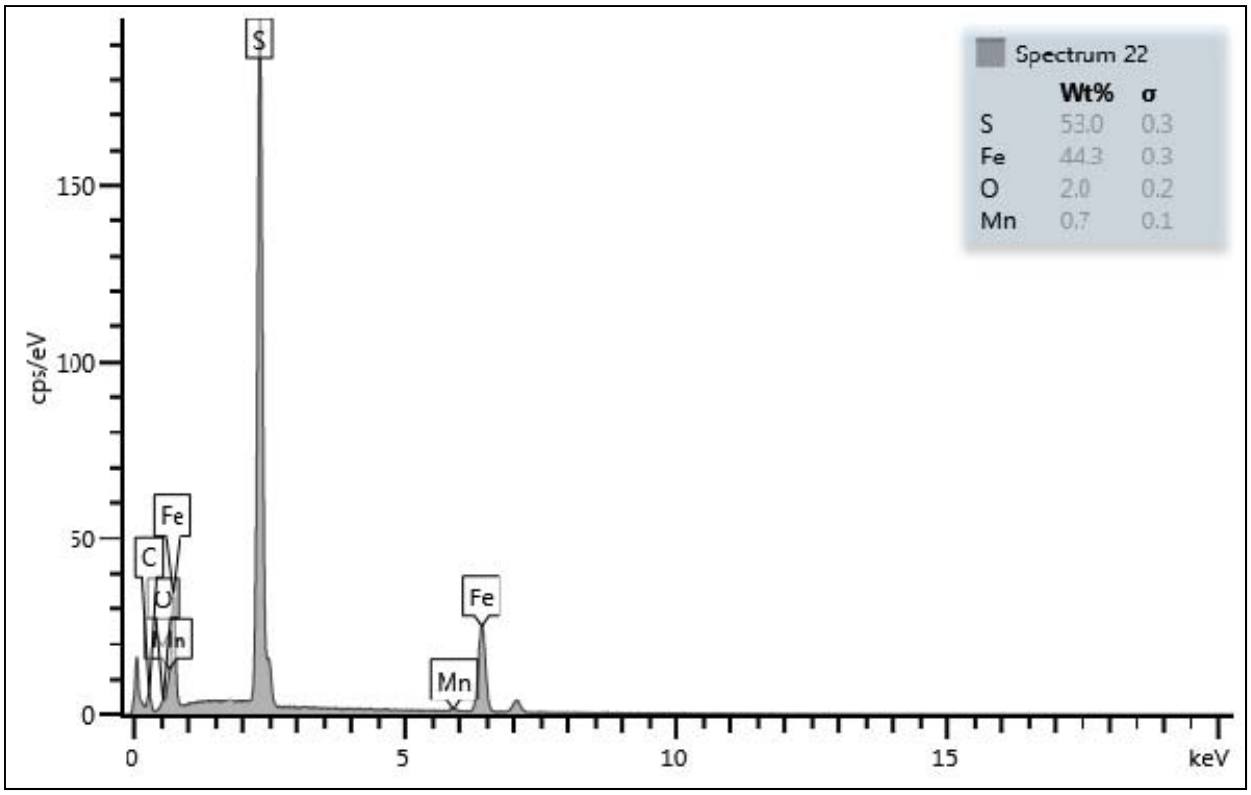
Daneros Mine Sample D-2

9/12/2012





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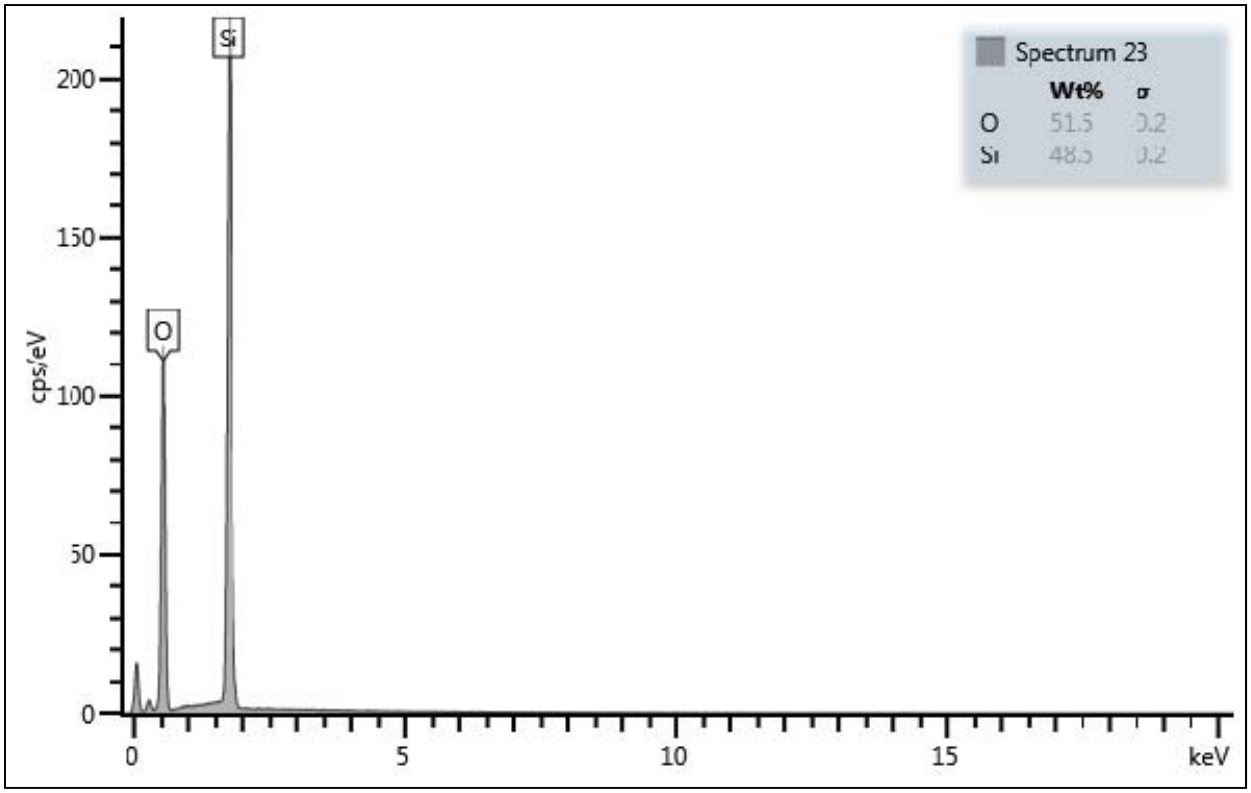
Daneros Mine Sample D-2

9/12/2012



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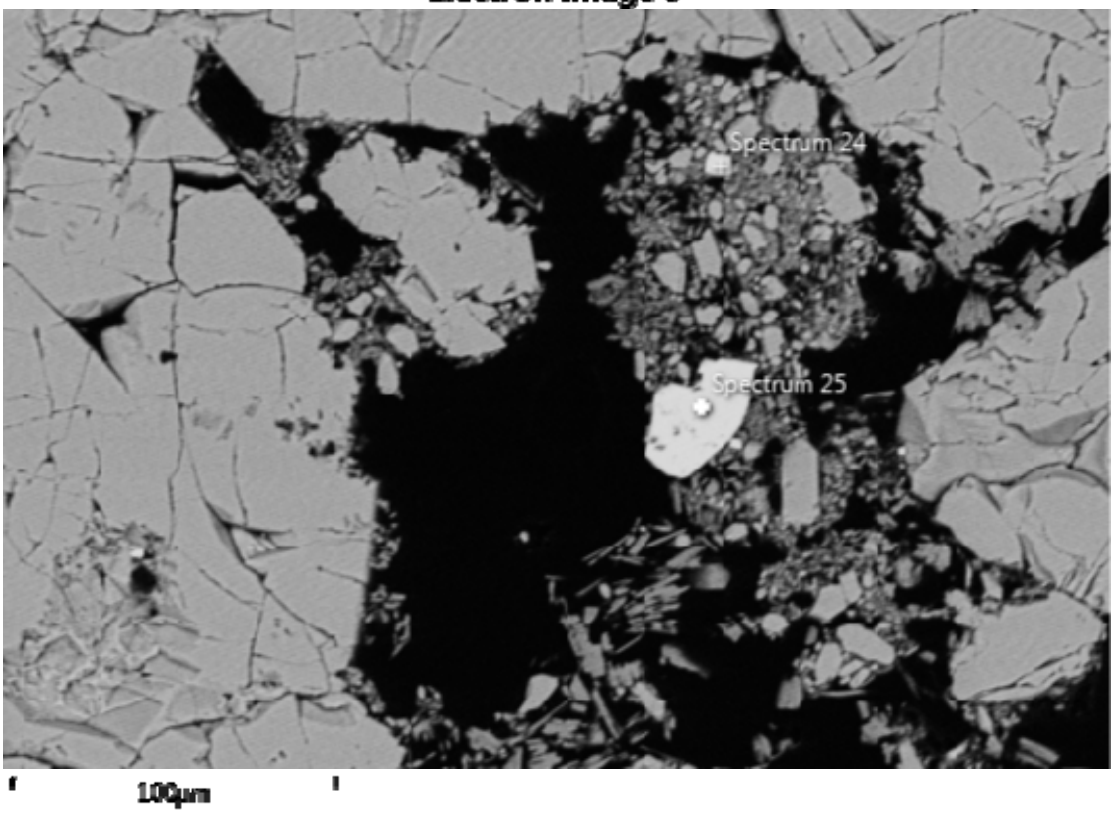
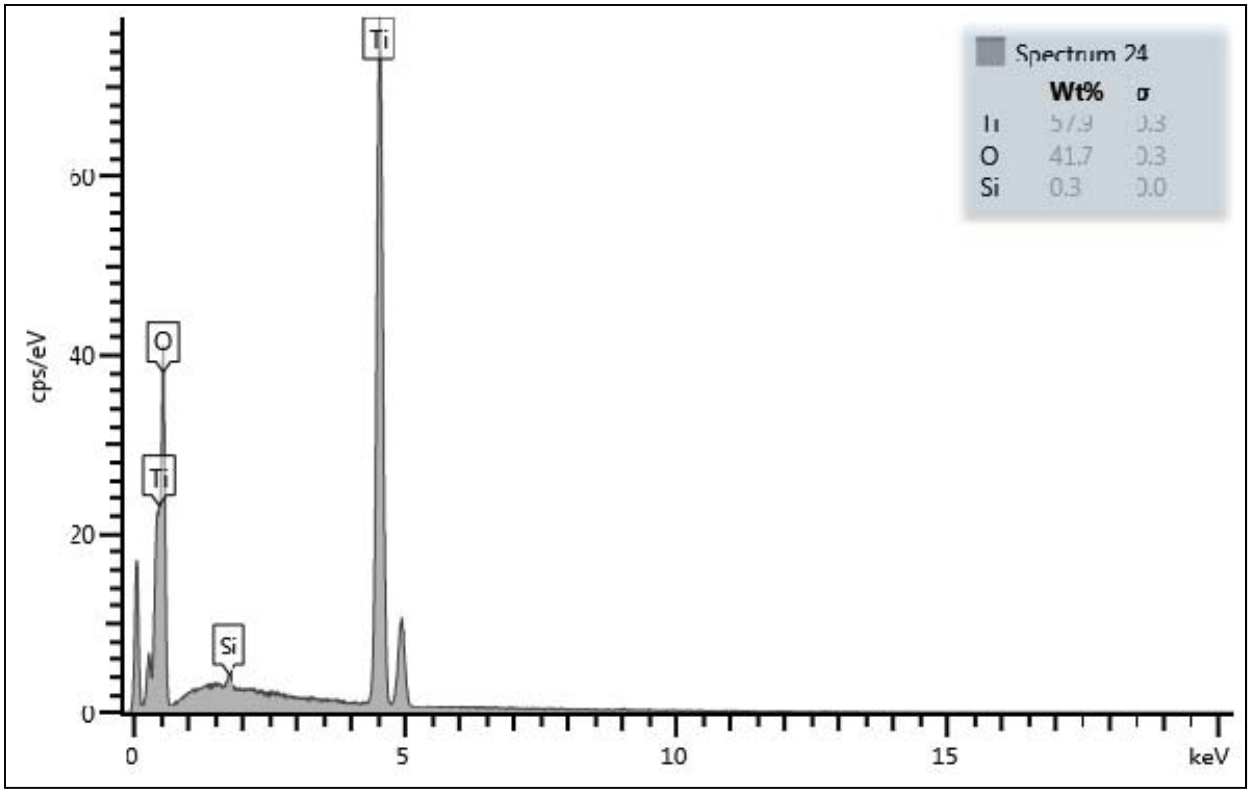
Electron Image 9





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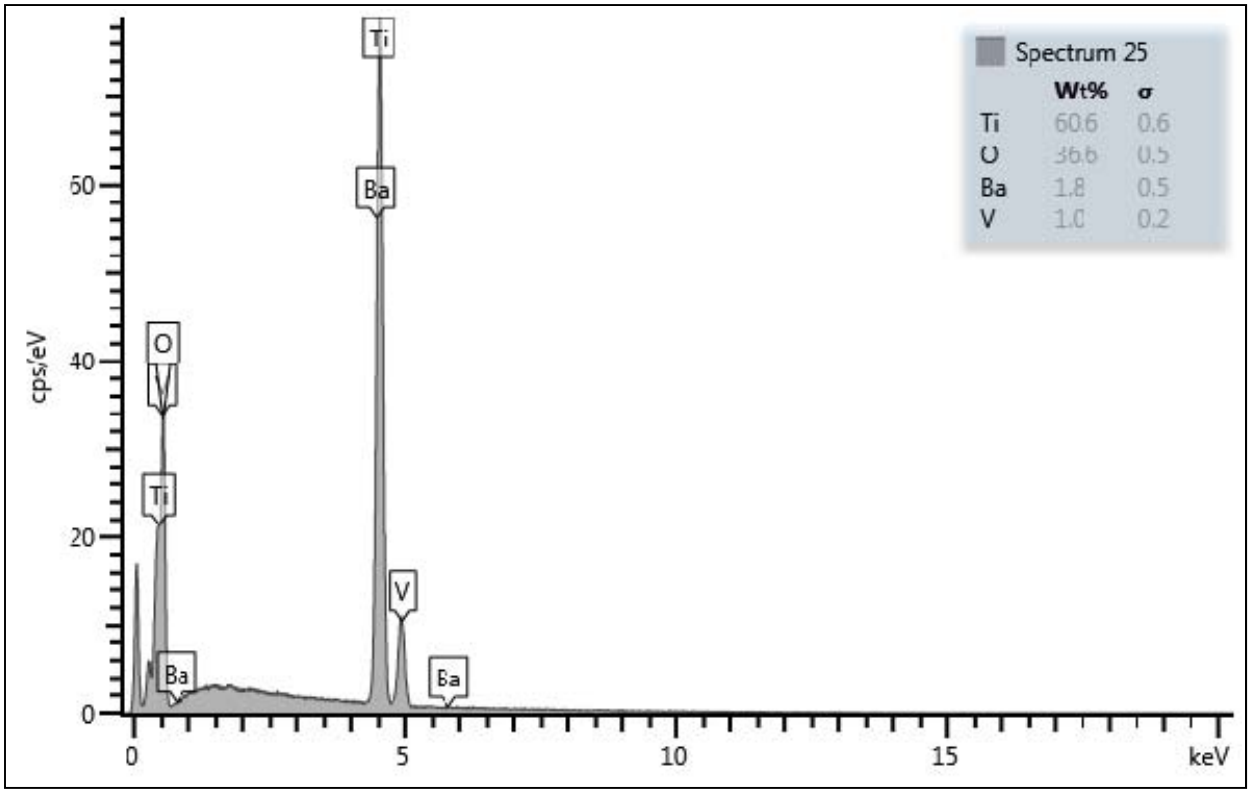
Daneros Mine Sample D-2

9/12/2012



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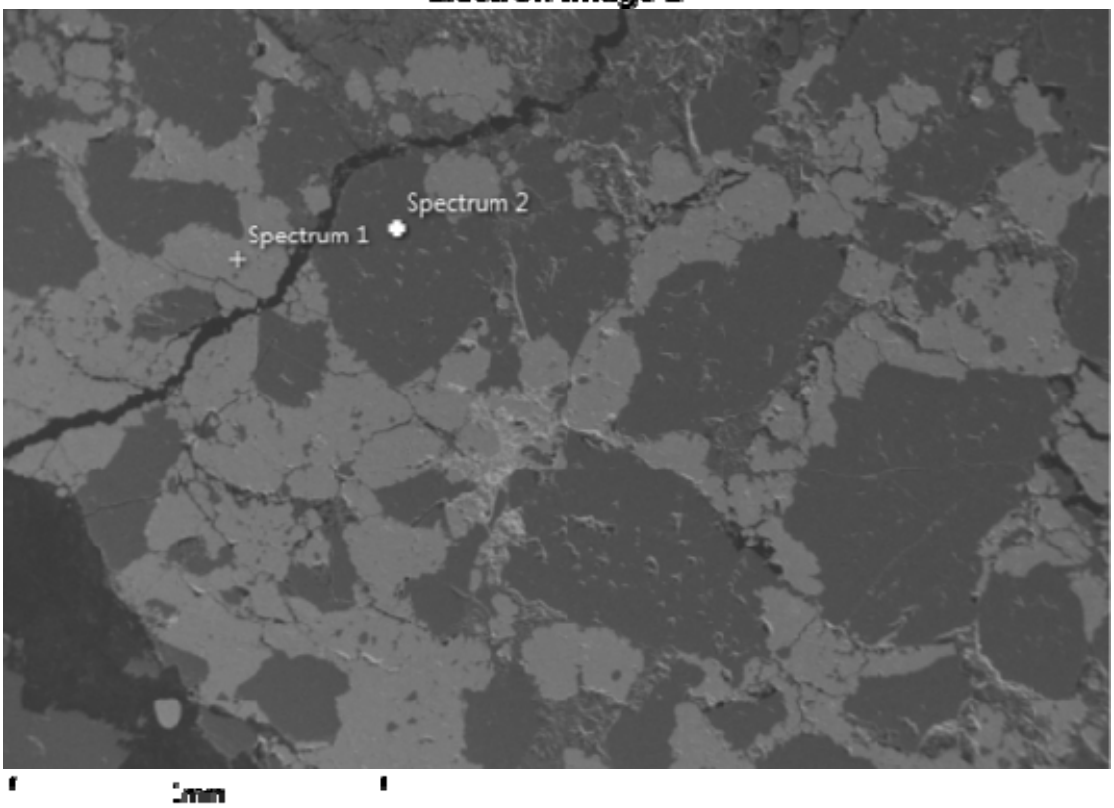
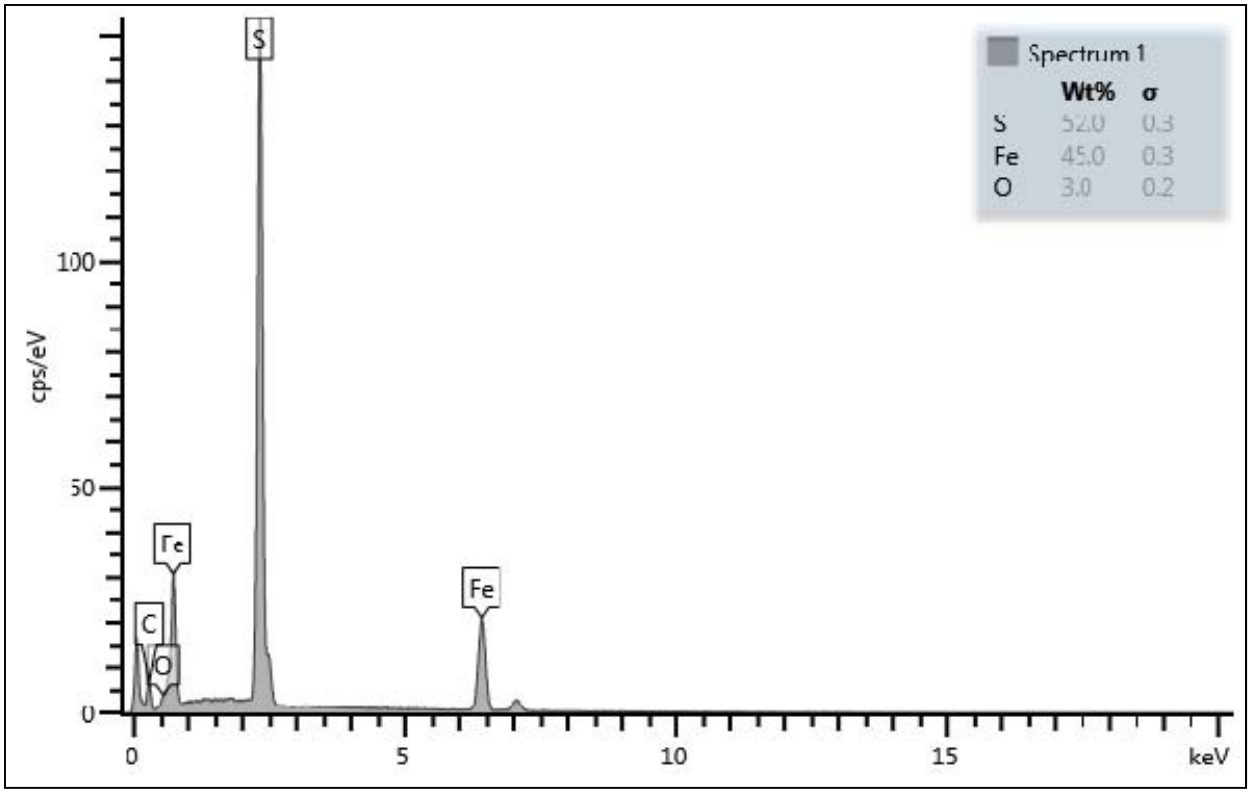
Daneros Mine Sample D-3 9/11/2012

Electron Image 1





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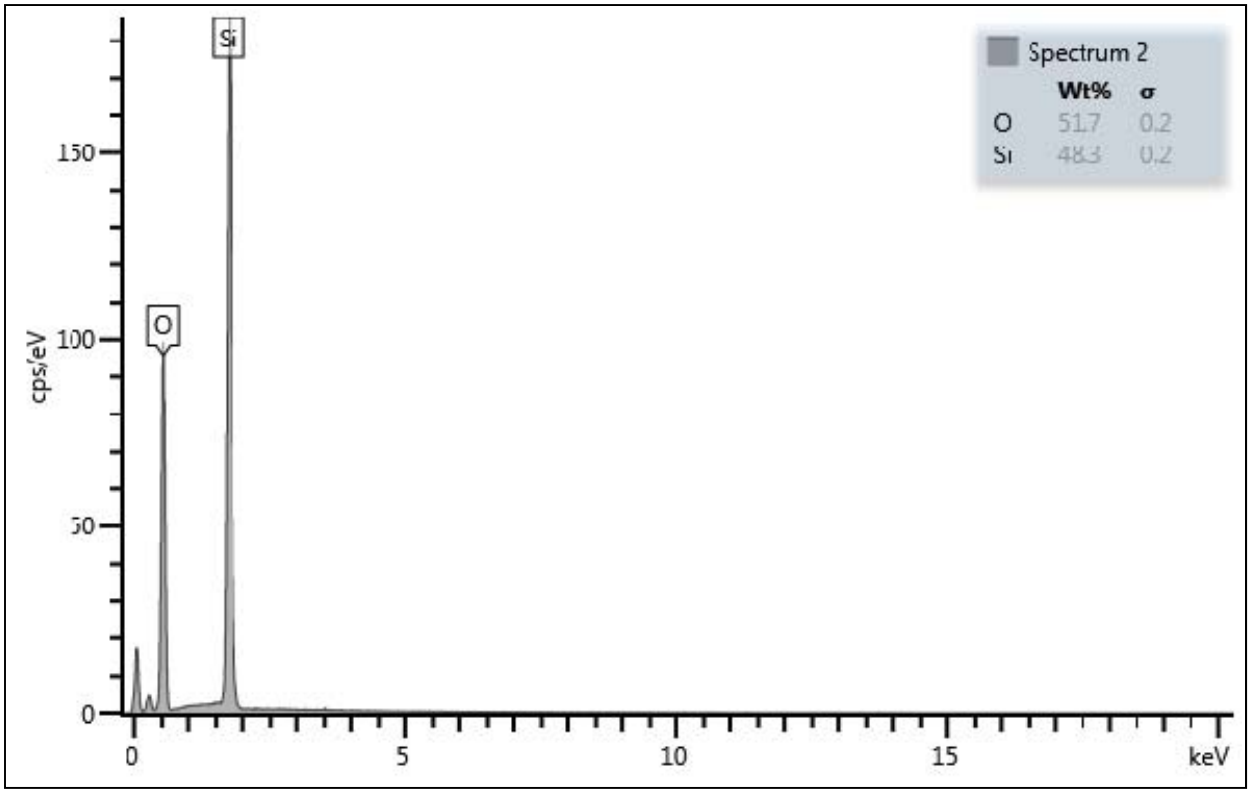
Daneros Mine Sample D-3

9/11/2012



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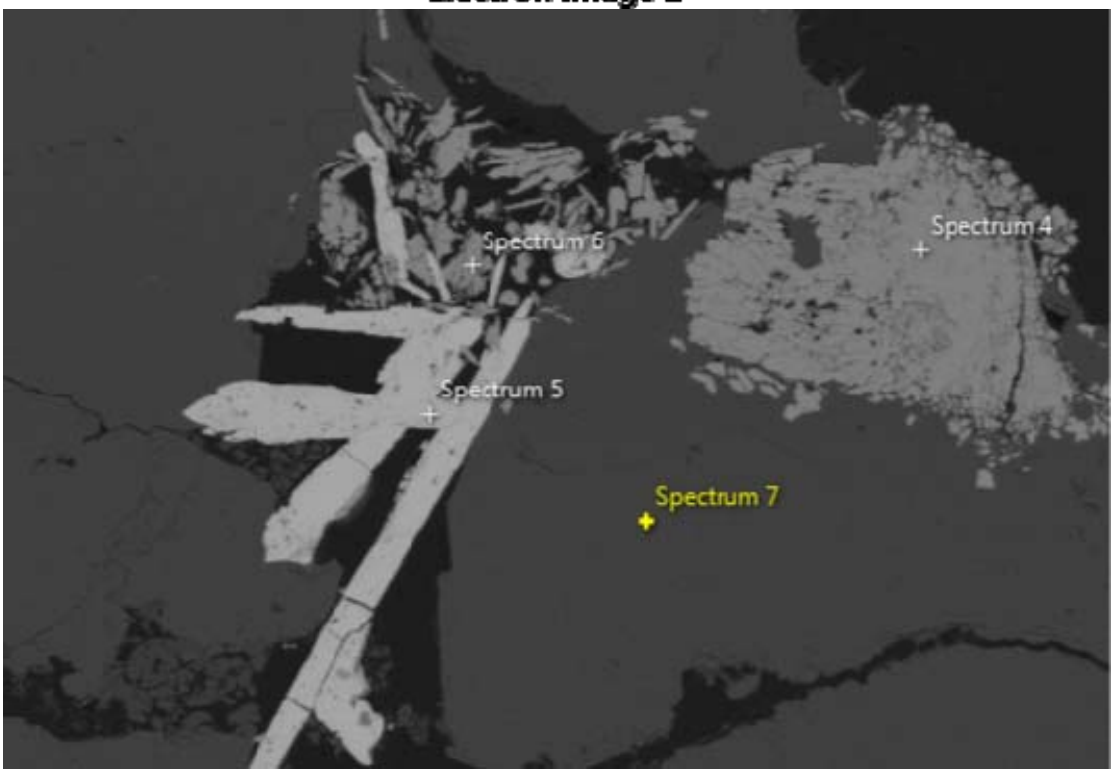
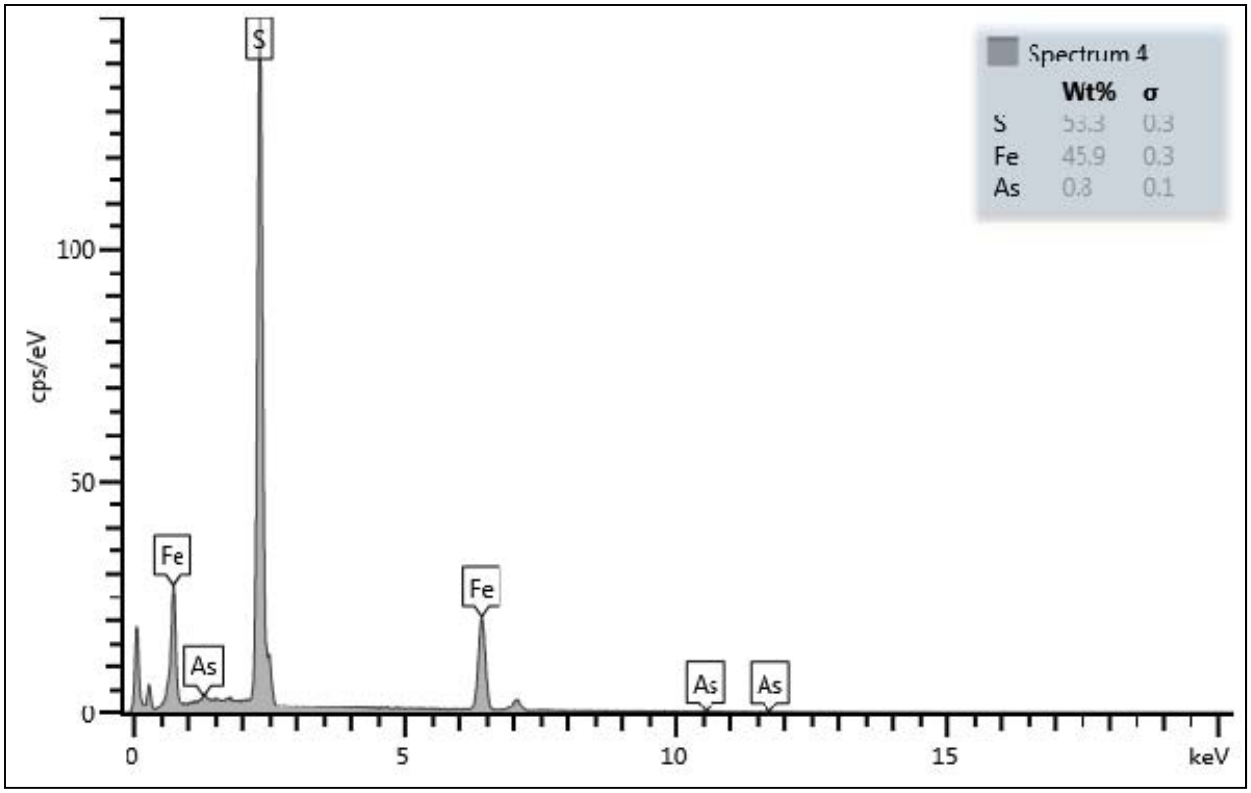
Electron Image 2



250µm



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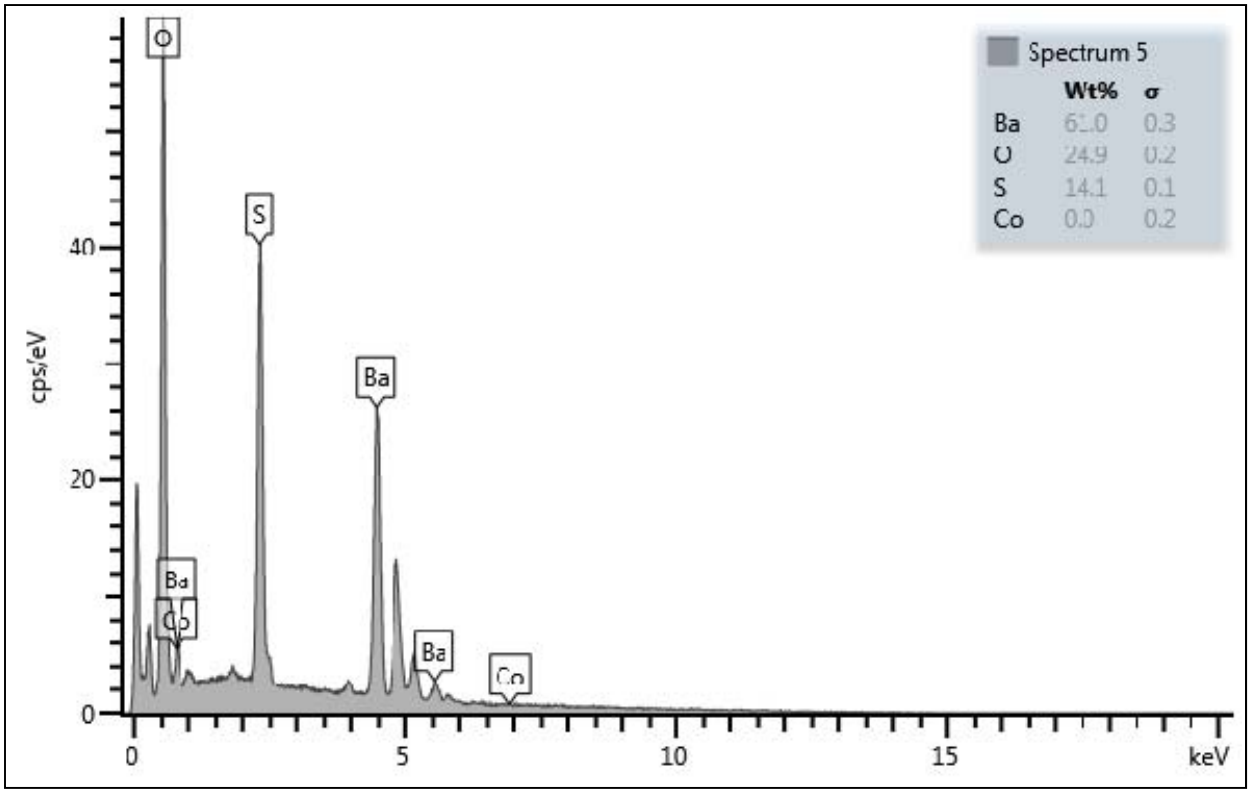
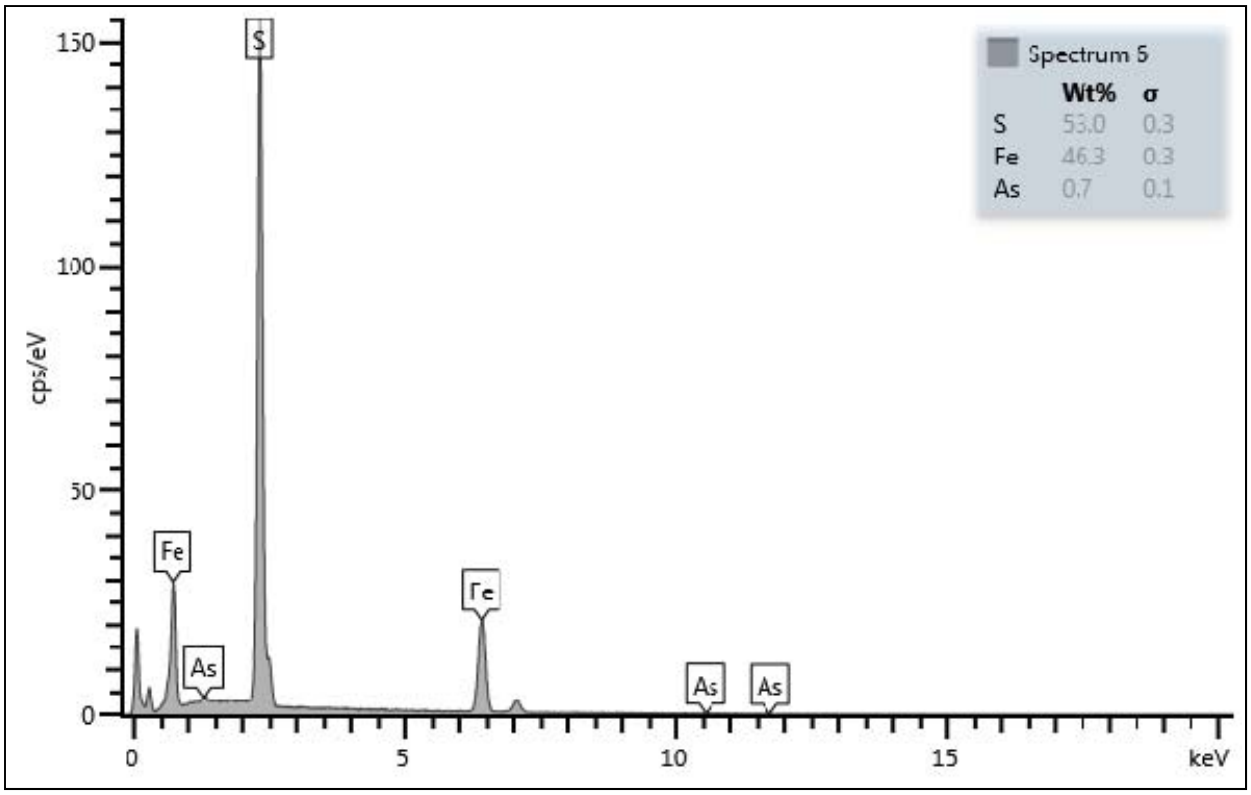
Daneros Mine Sample D-3

9/11/2012





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Daneros Mine Sample D-3

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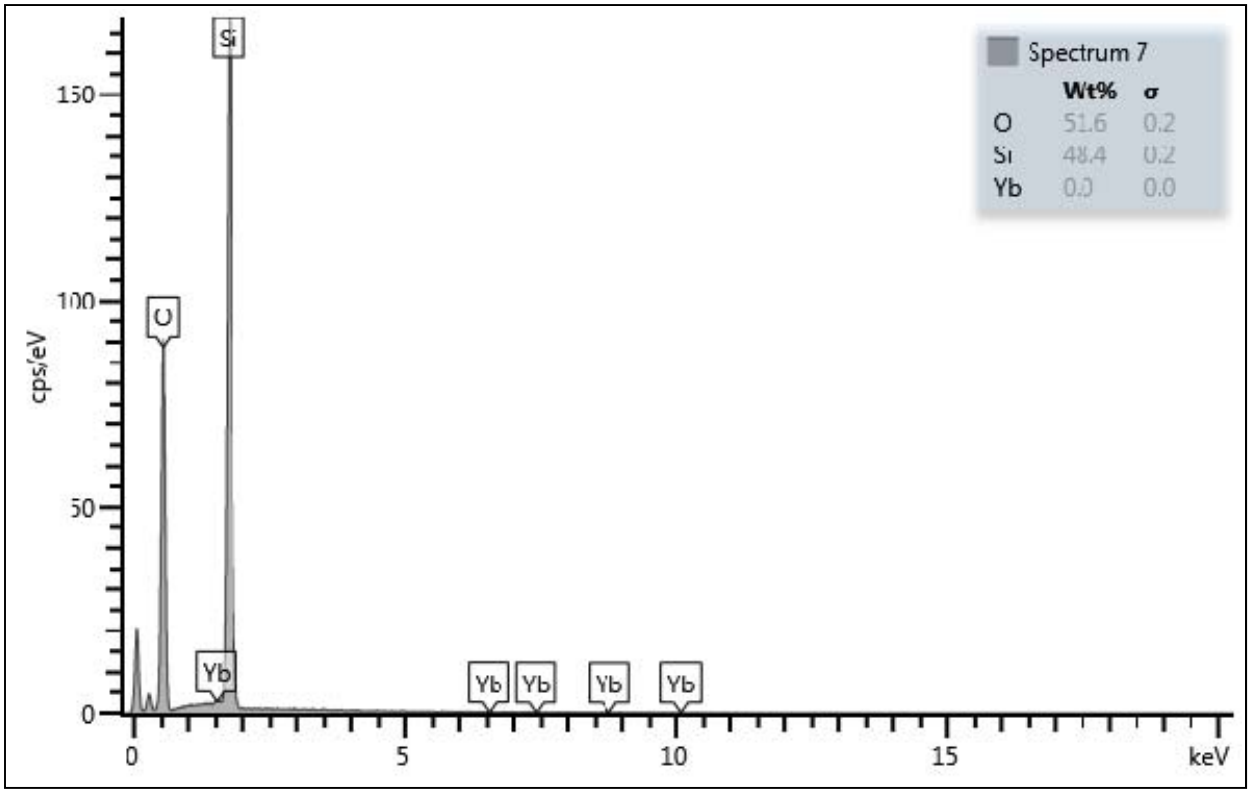

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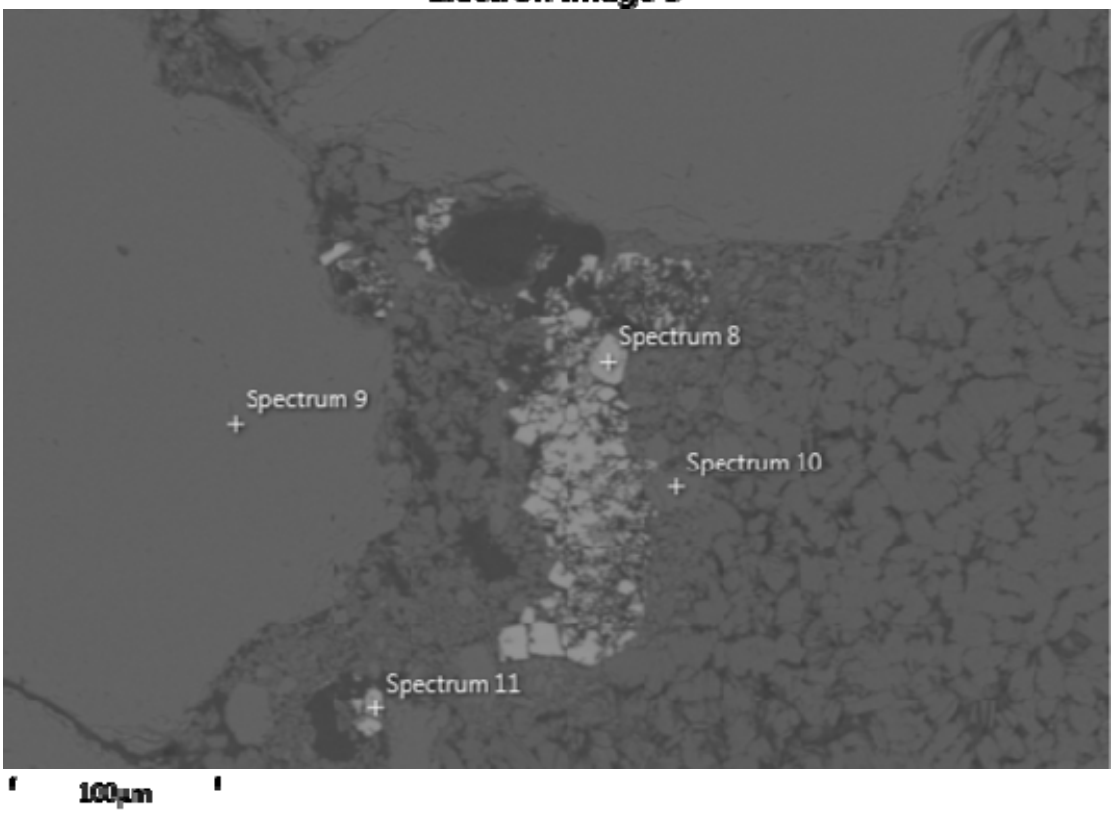
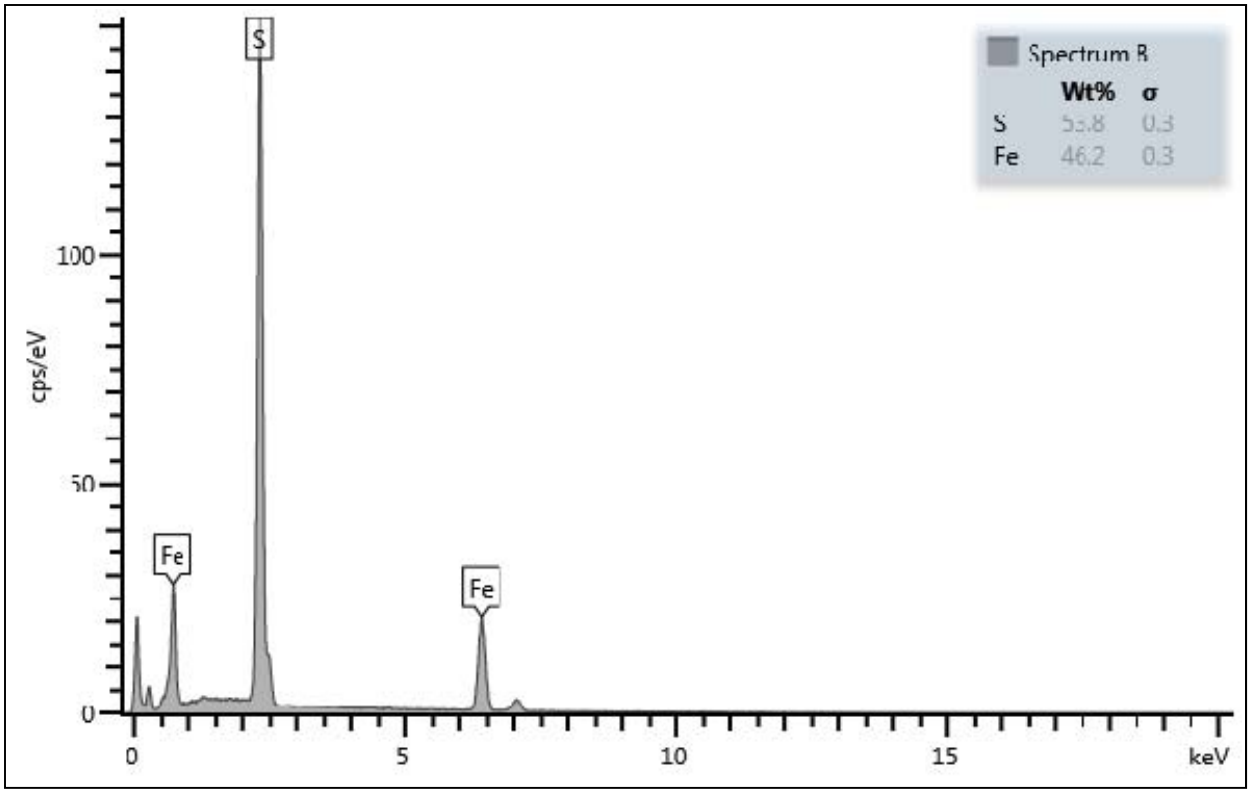
Electron Image 3





Daneros Mine Sample D-3

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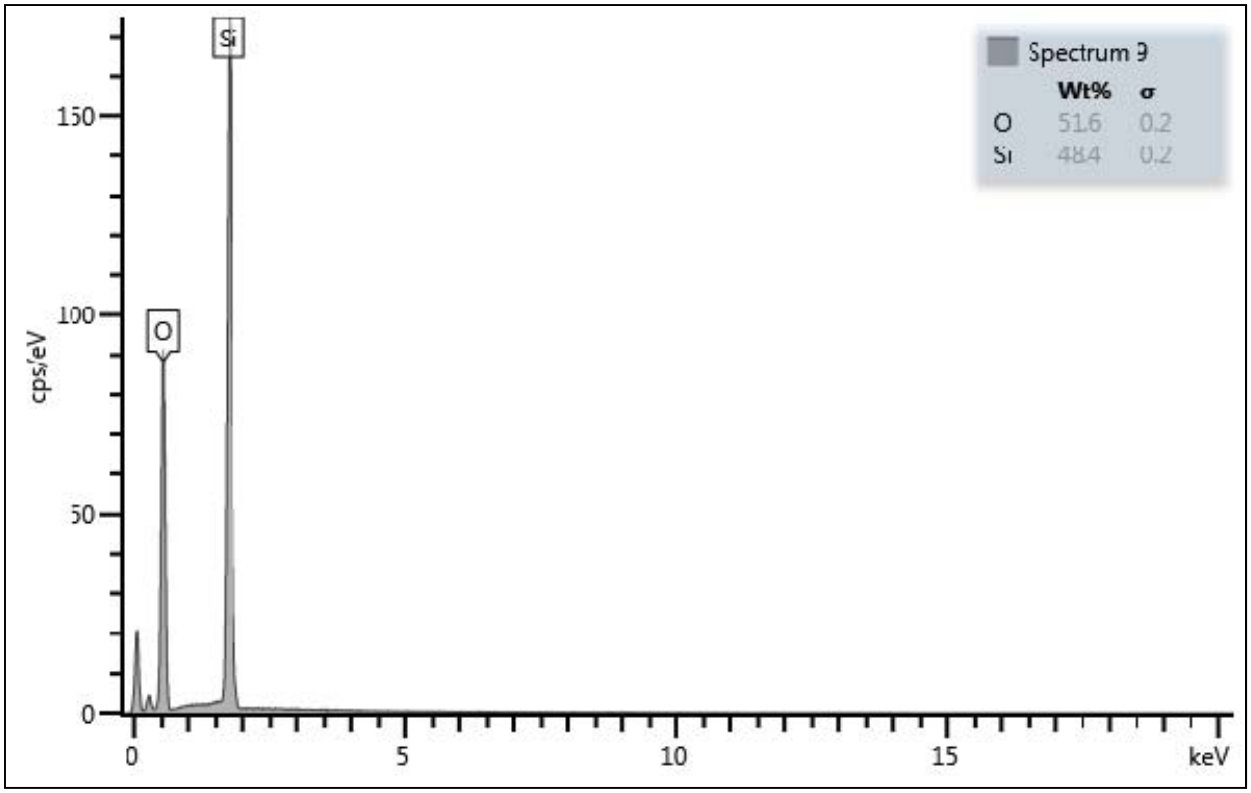

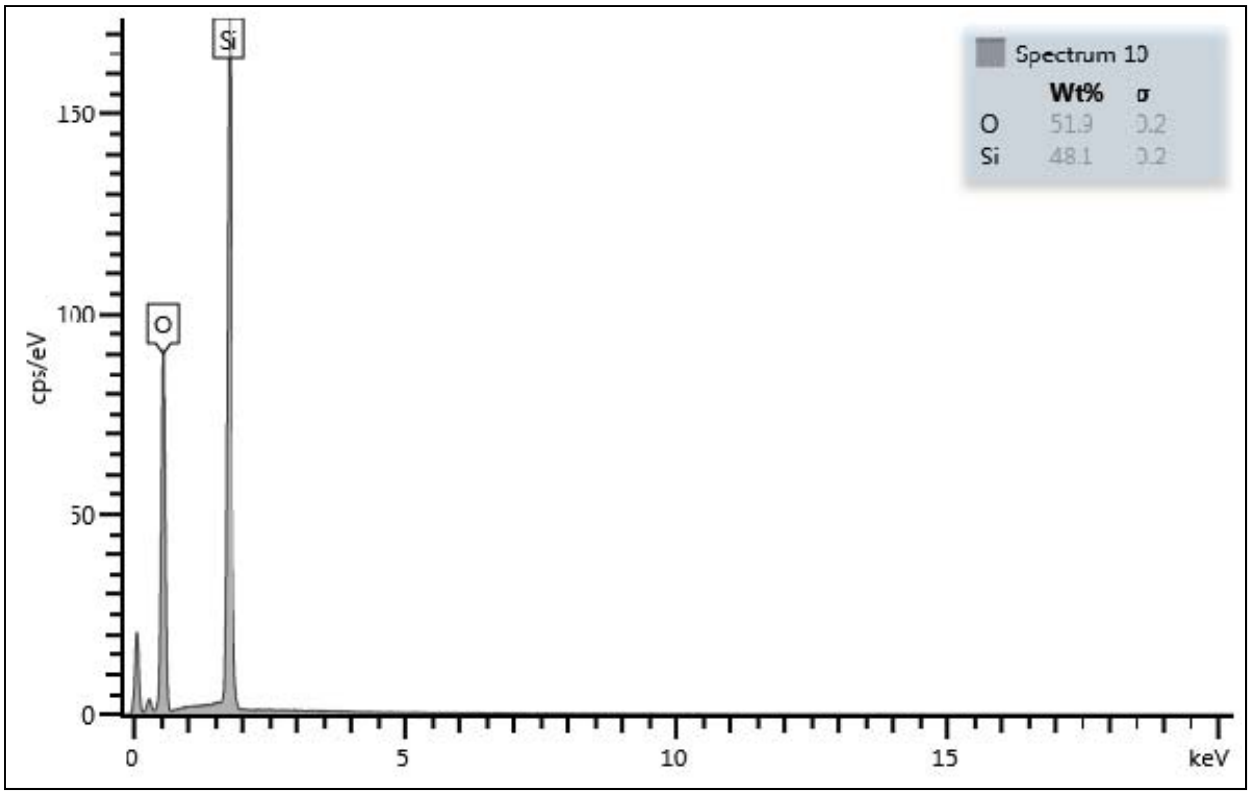

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Daneros Mine Sample D-3

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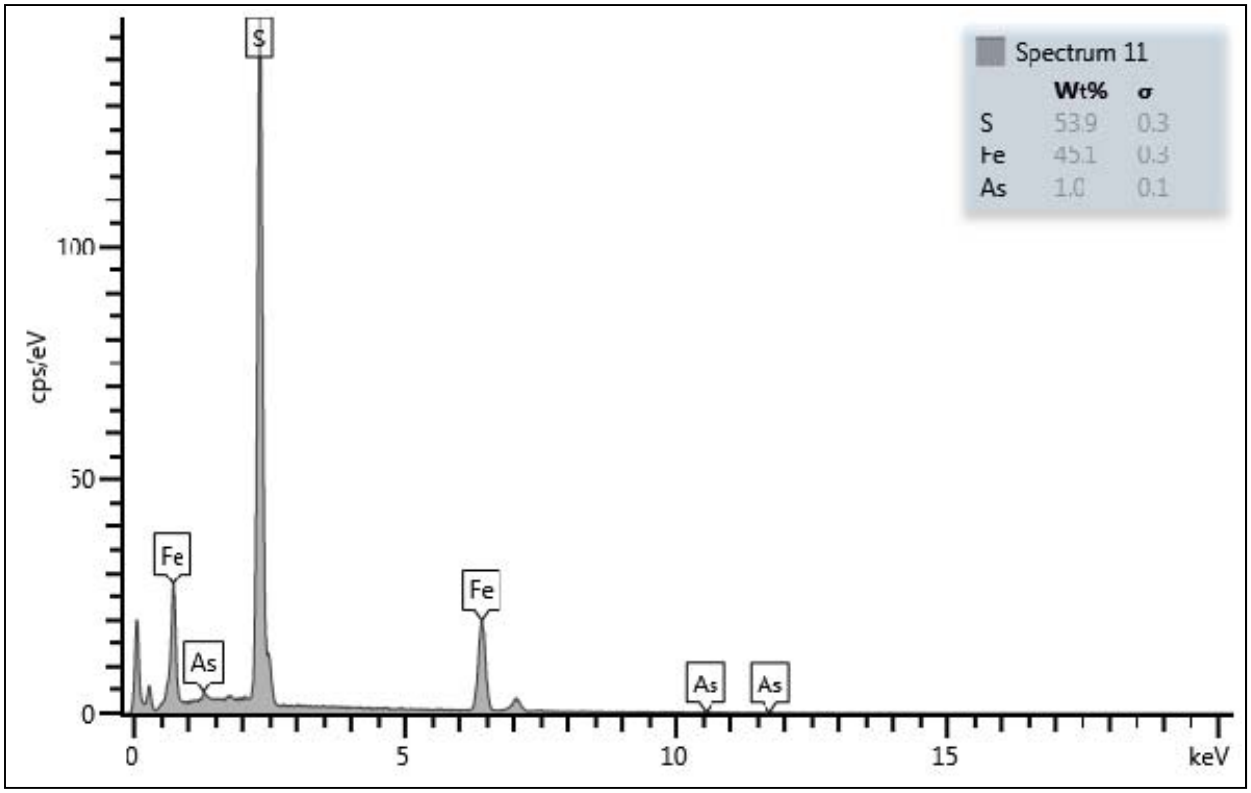

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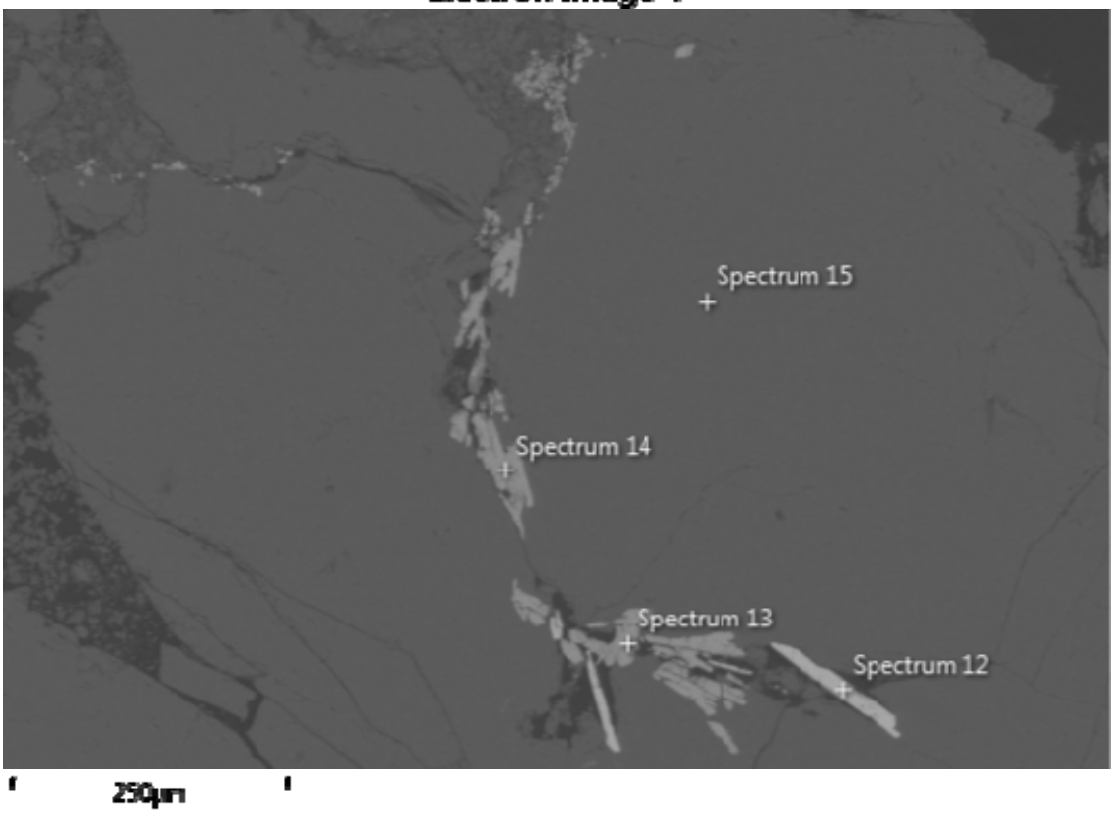
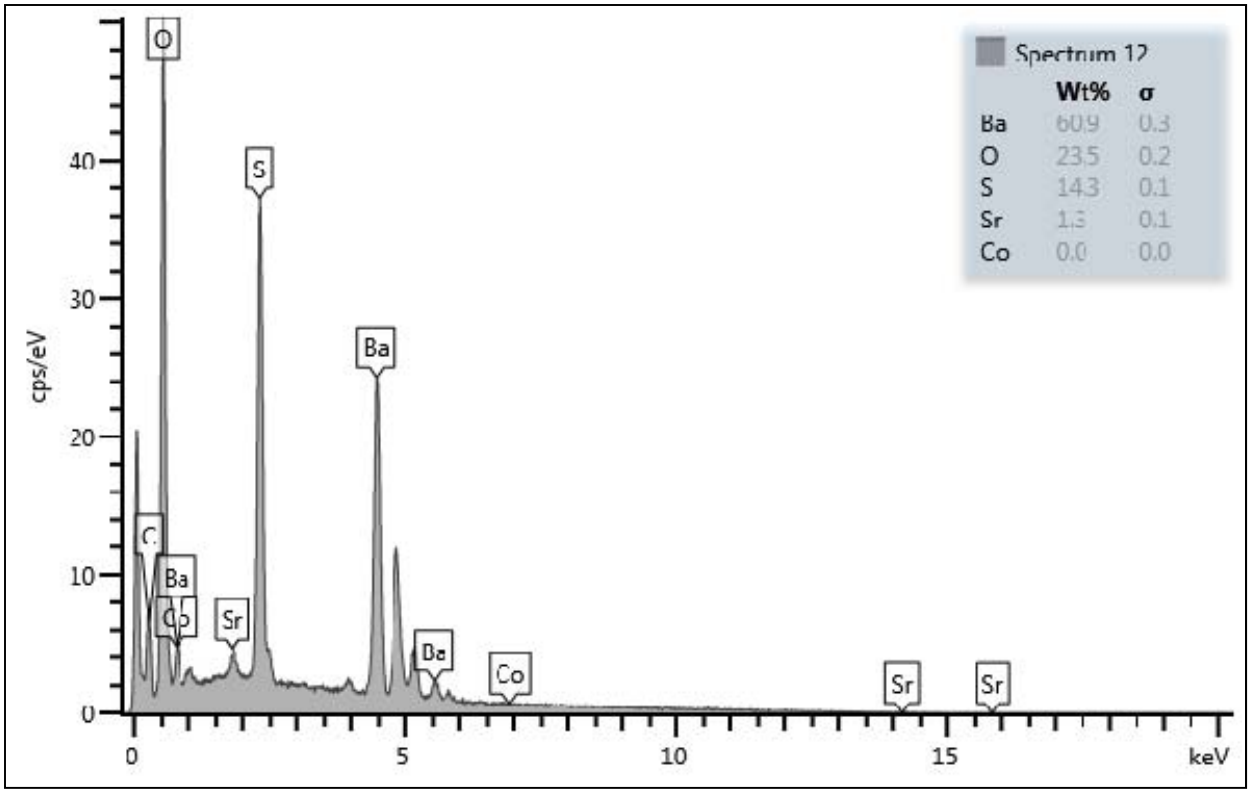
Electron Image 4





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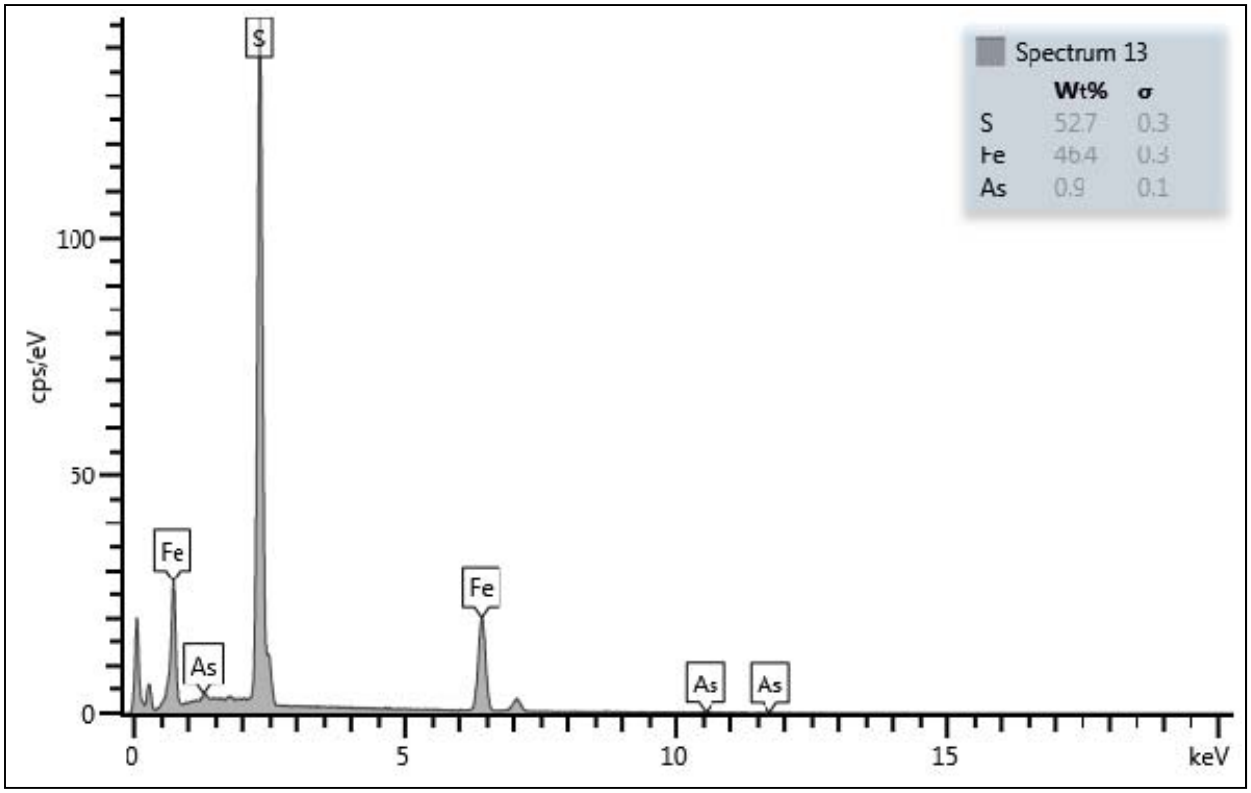
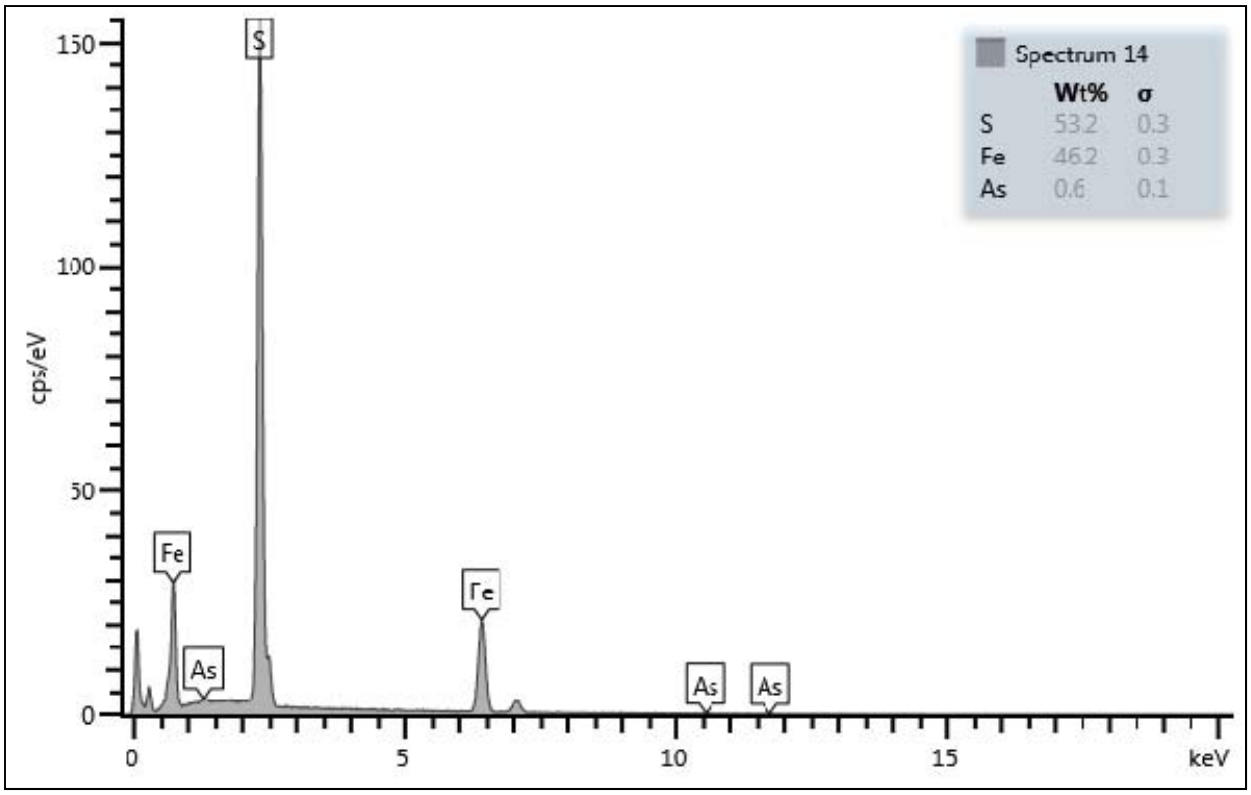
Daneros Mine Sample D-3

9/11/2012





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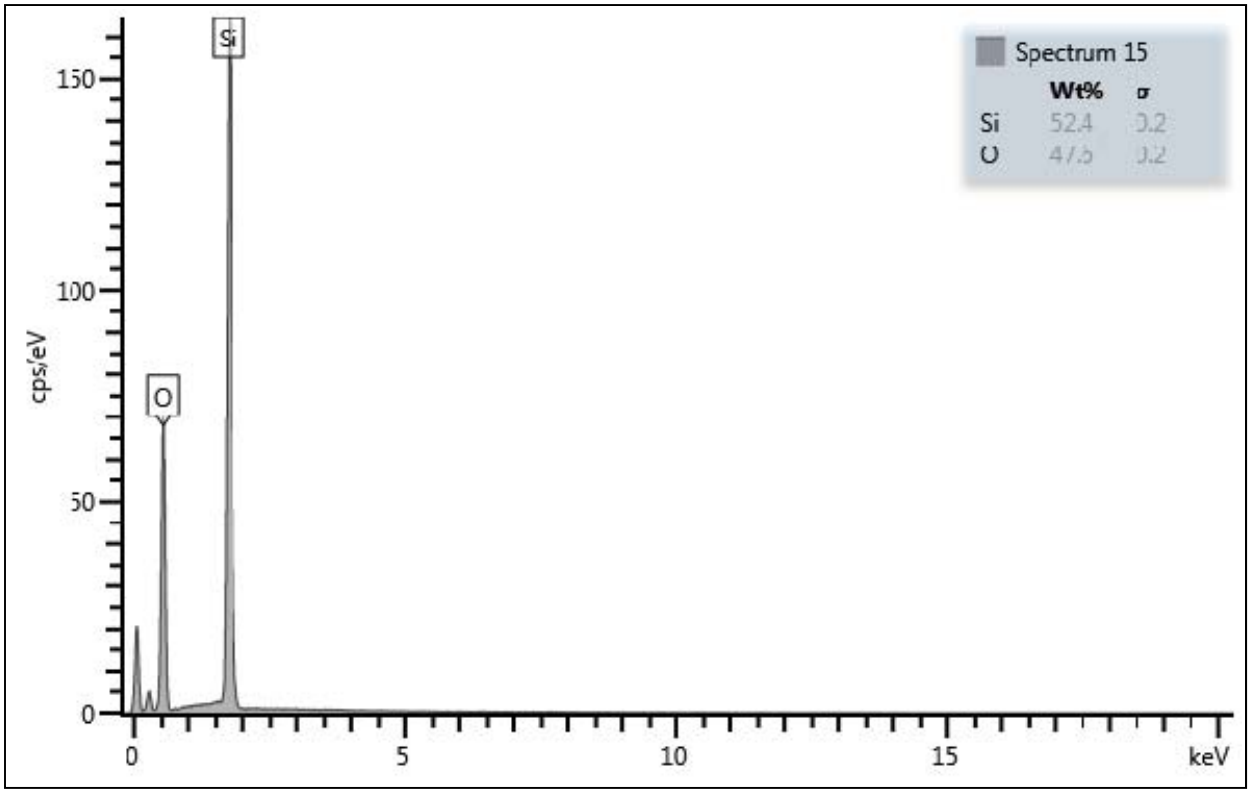

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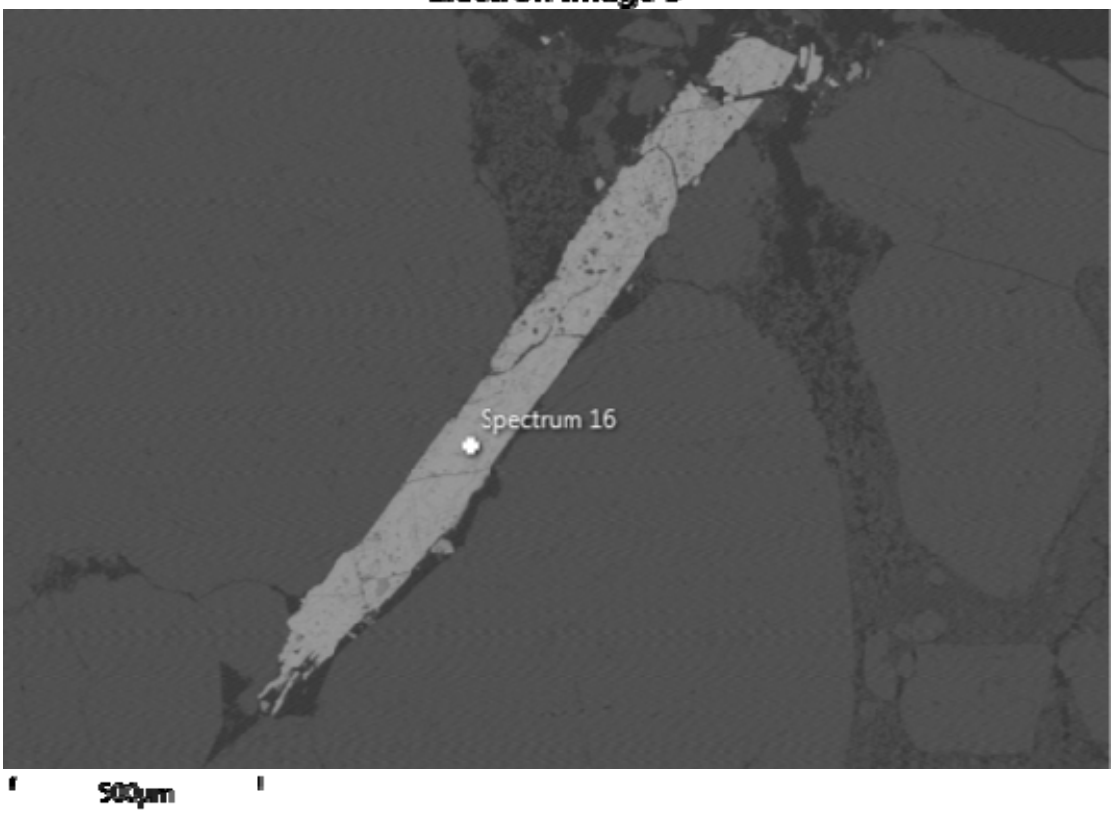
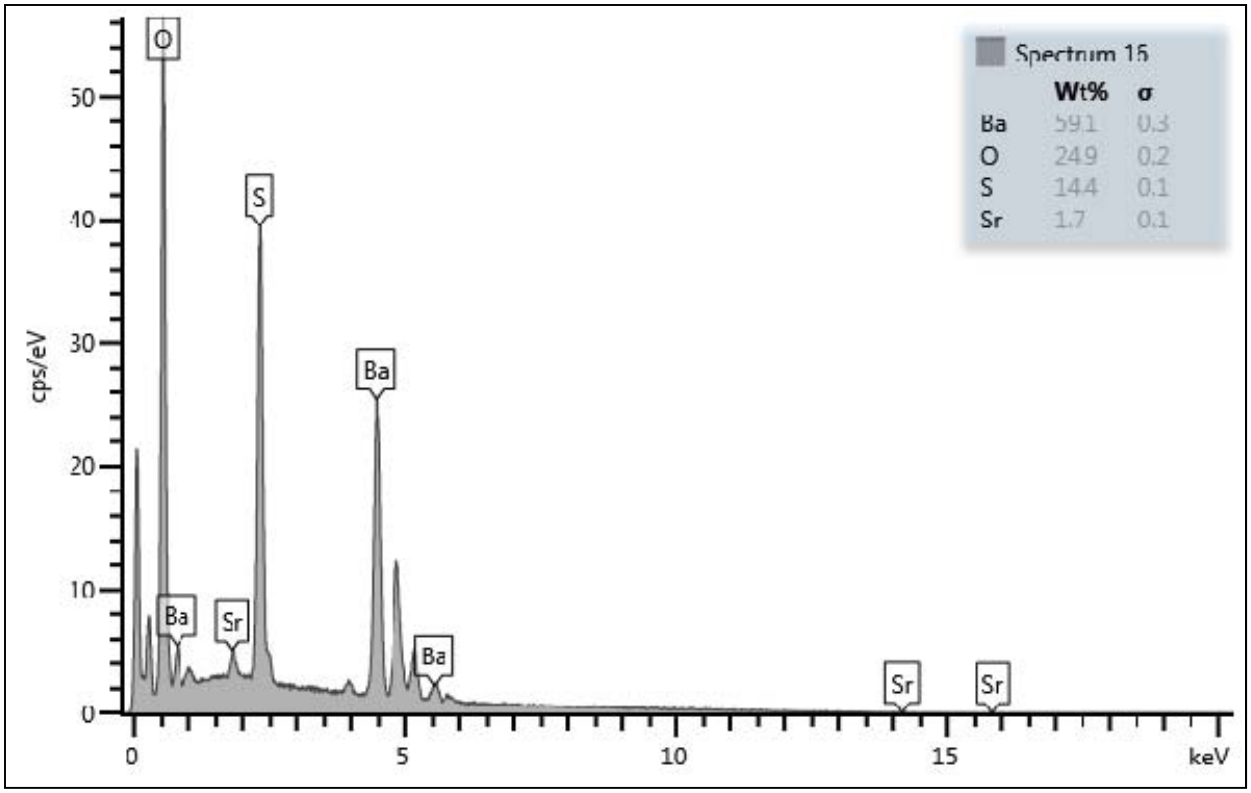
Electron Image 5





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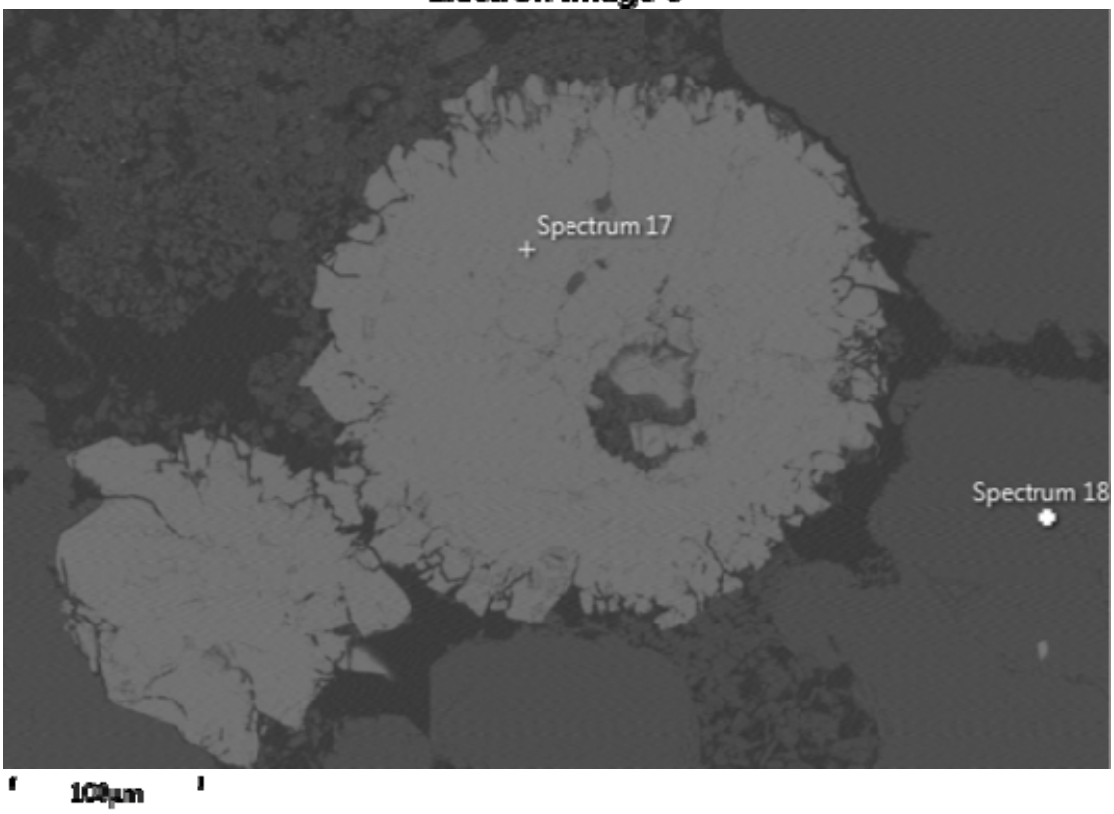
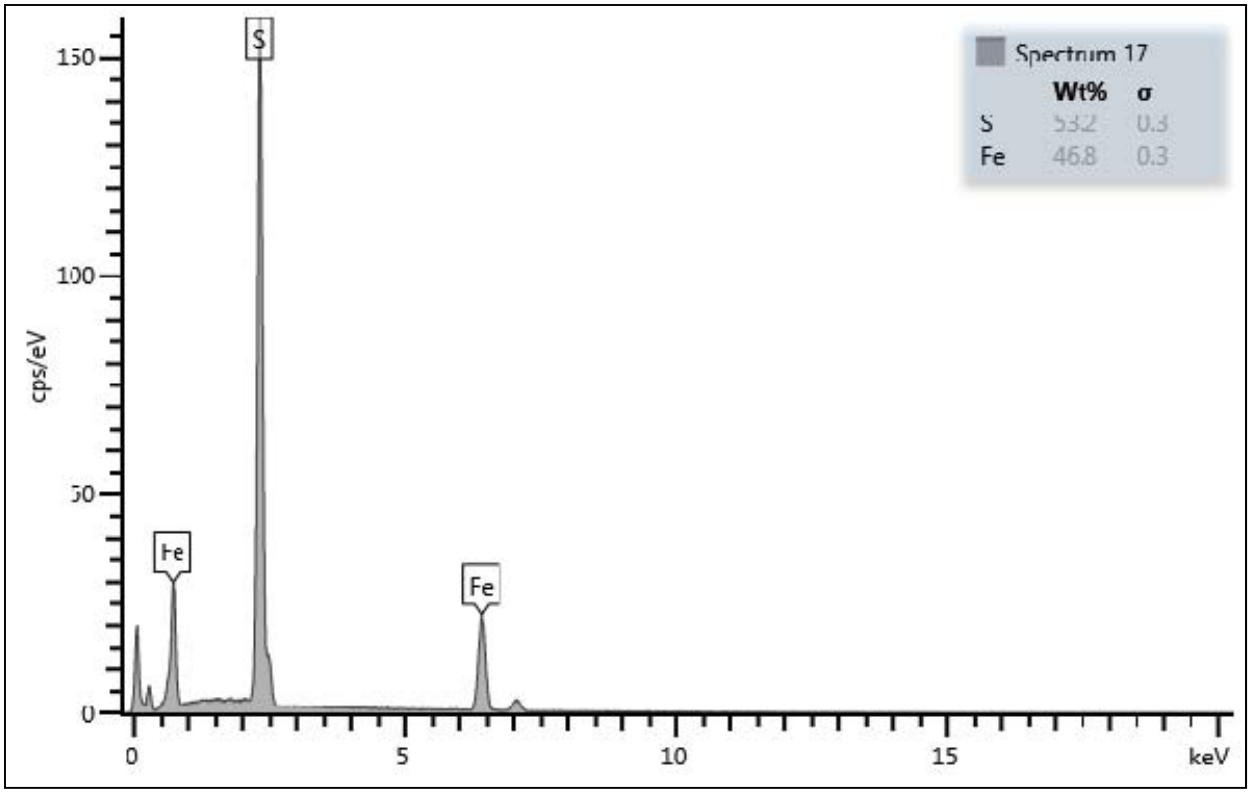
Daneros Mine Sample D-3 9/11/2012

Electron Image 6





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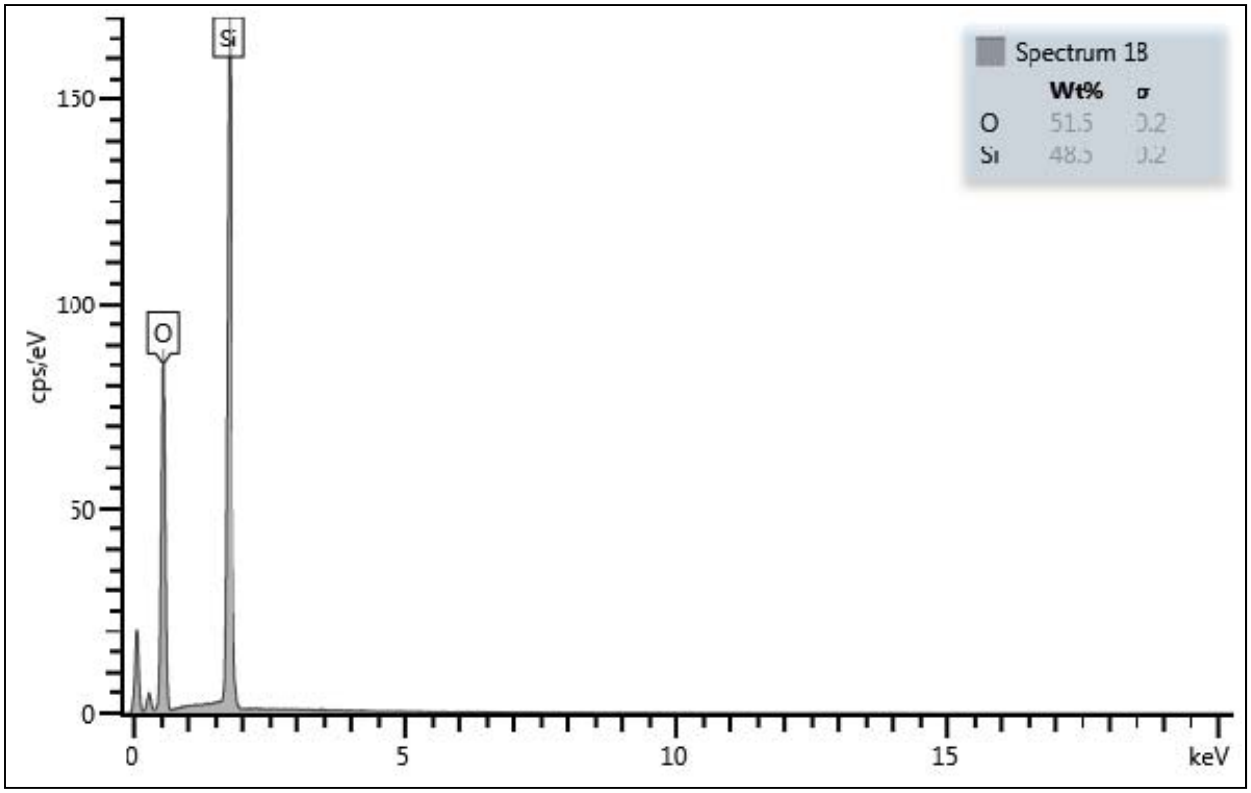
Daneros Mine Sample D-3

9/11/2012



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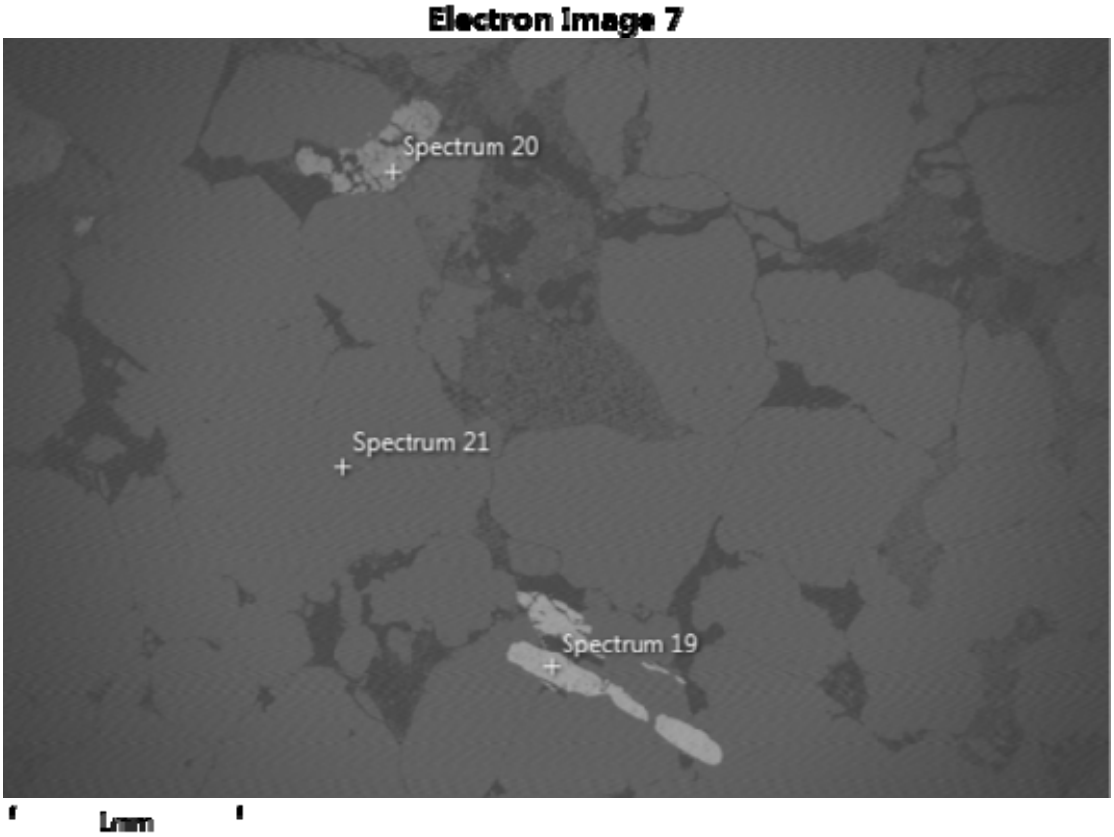
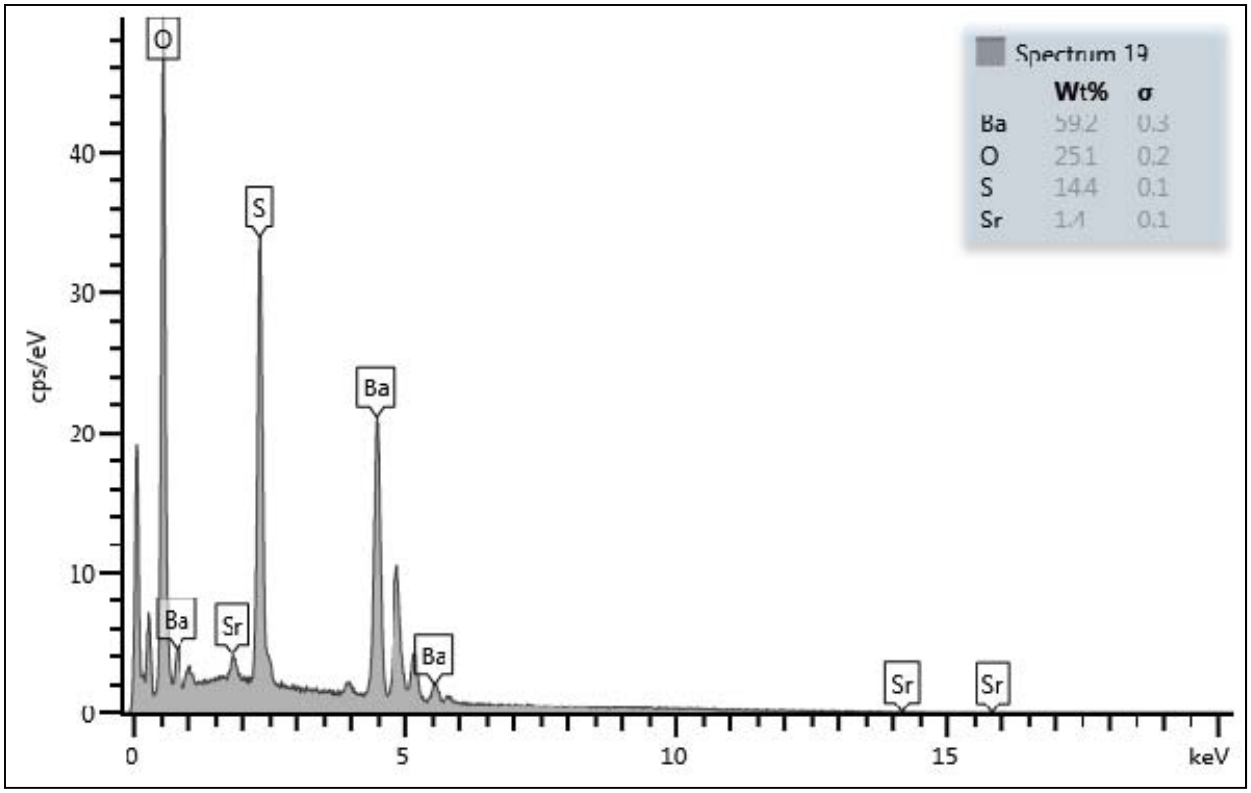
Daneros Mine Sample D-3 9/11/2012





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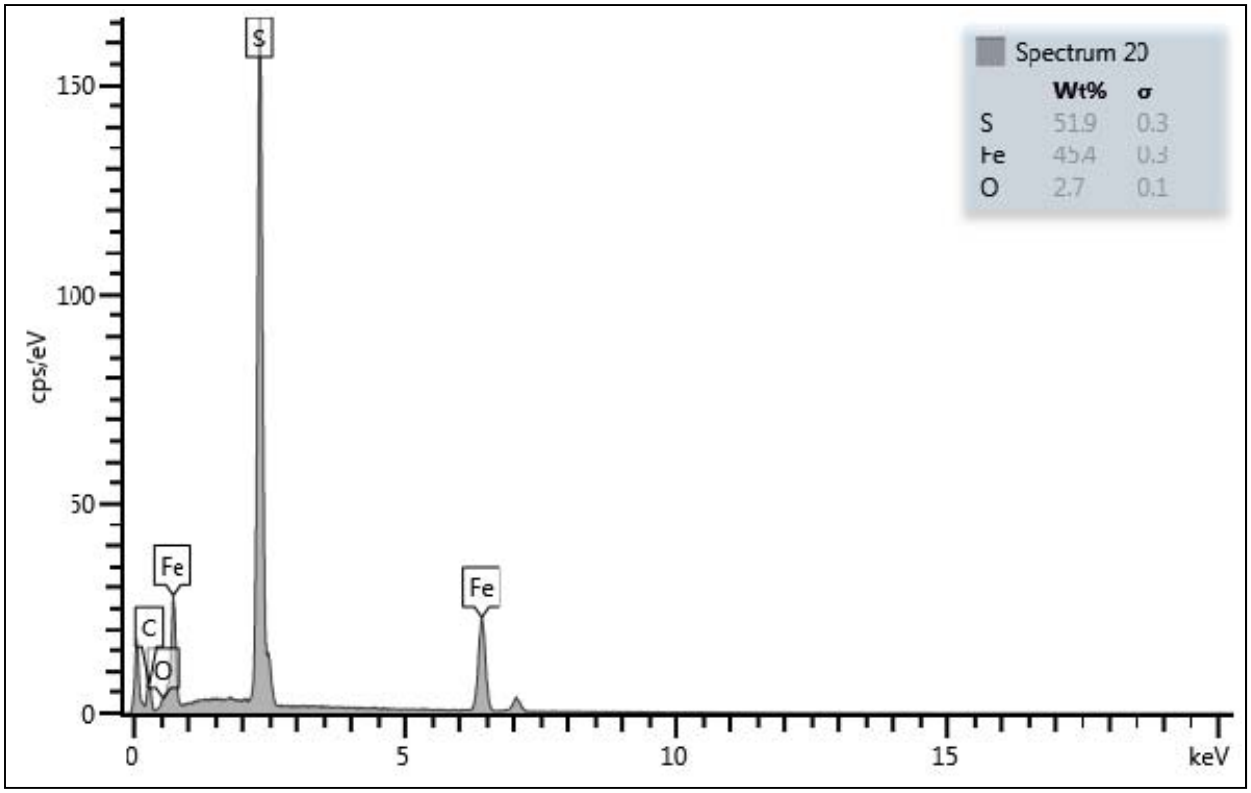
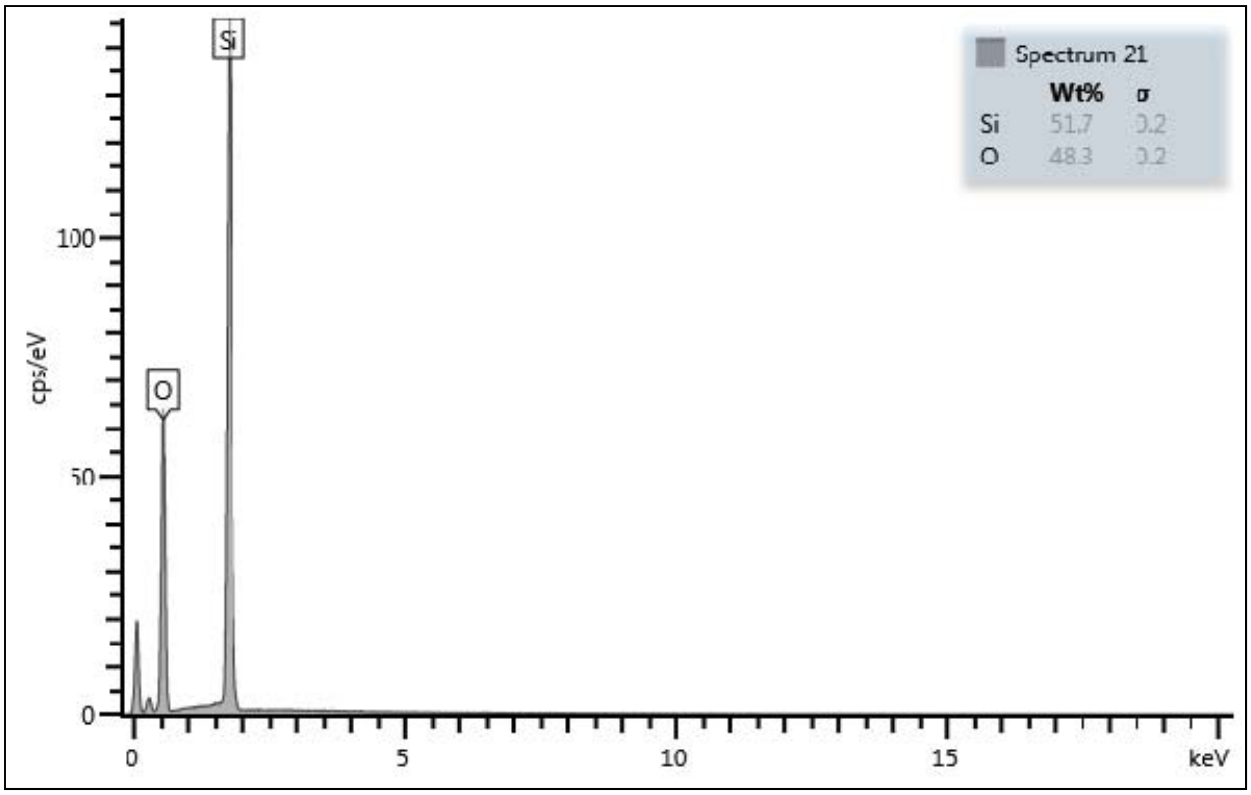
Daneros Mine Sample D-3

9/11/2012





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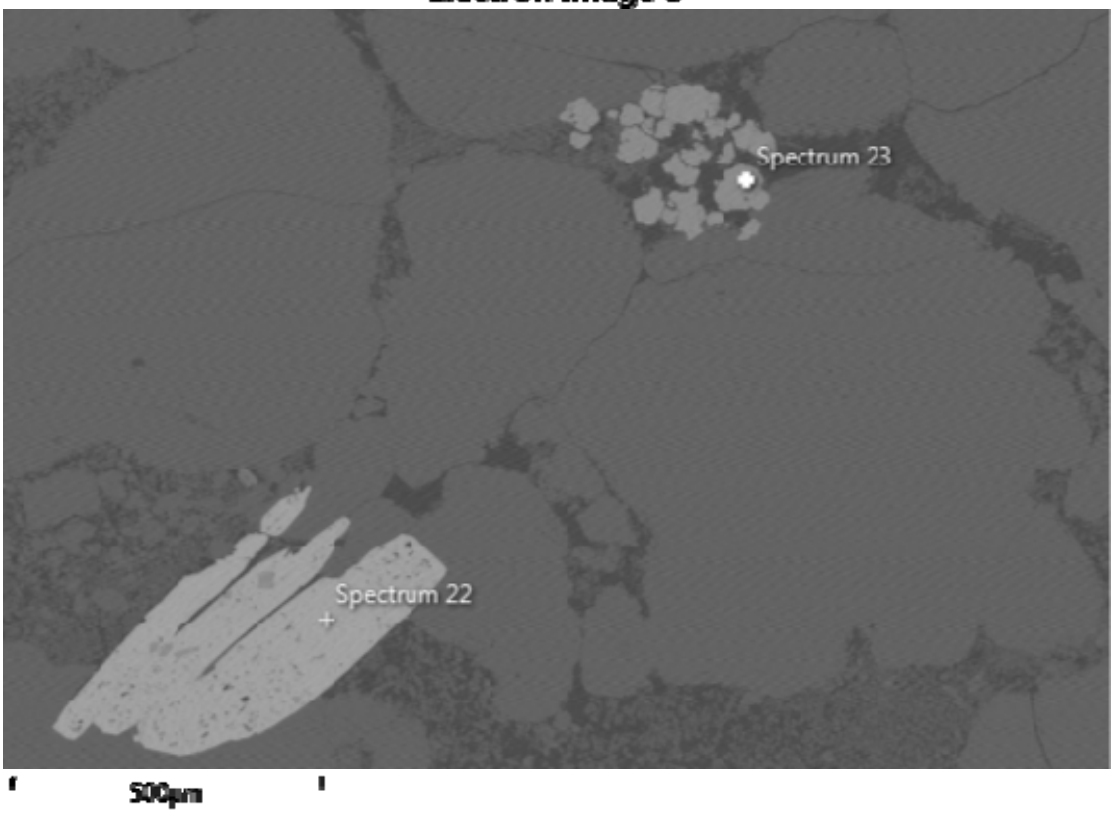
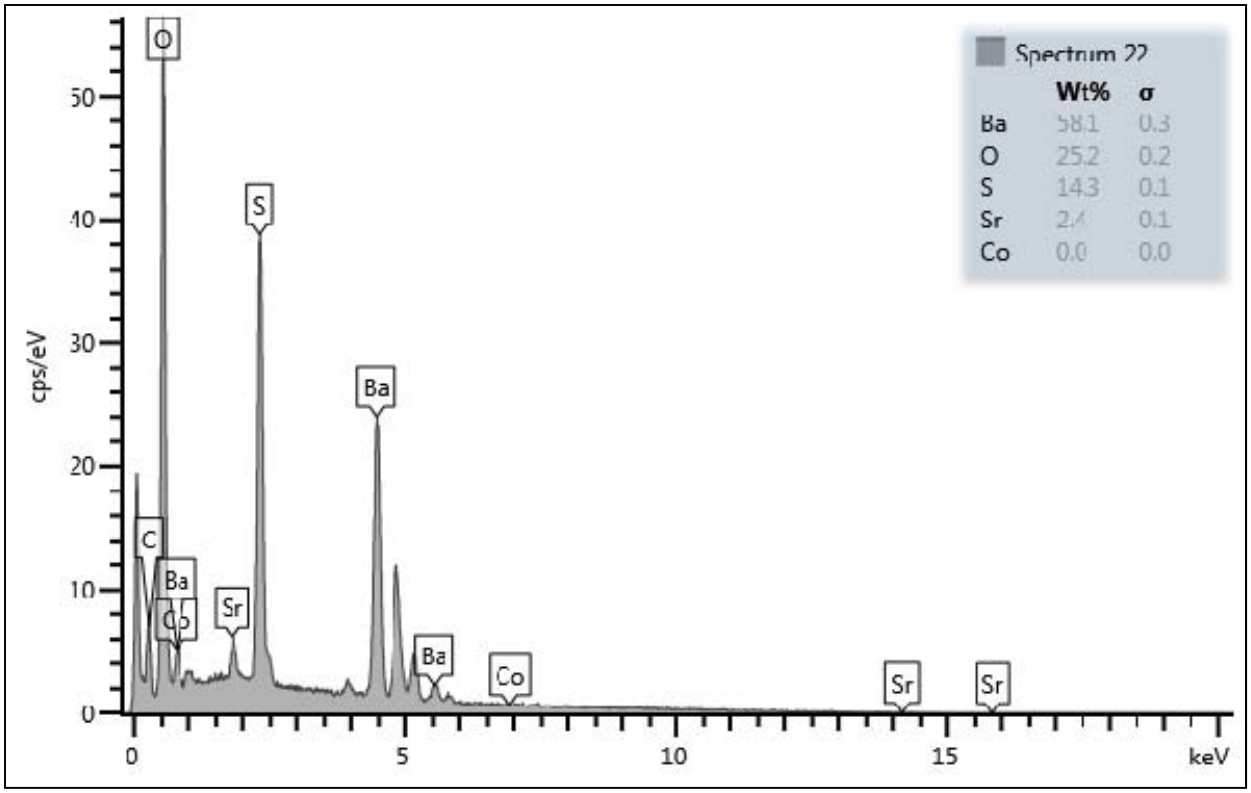
Electron Image 8





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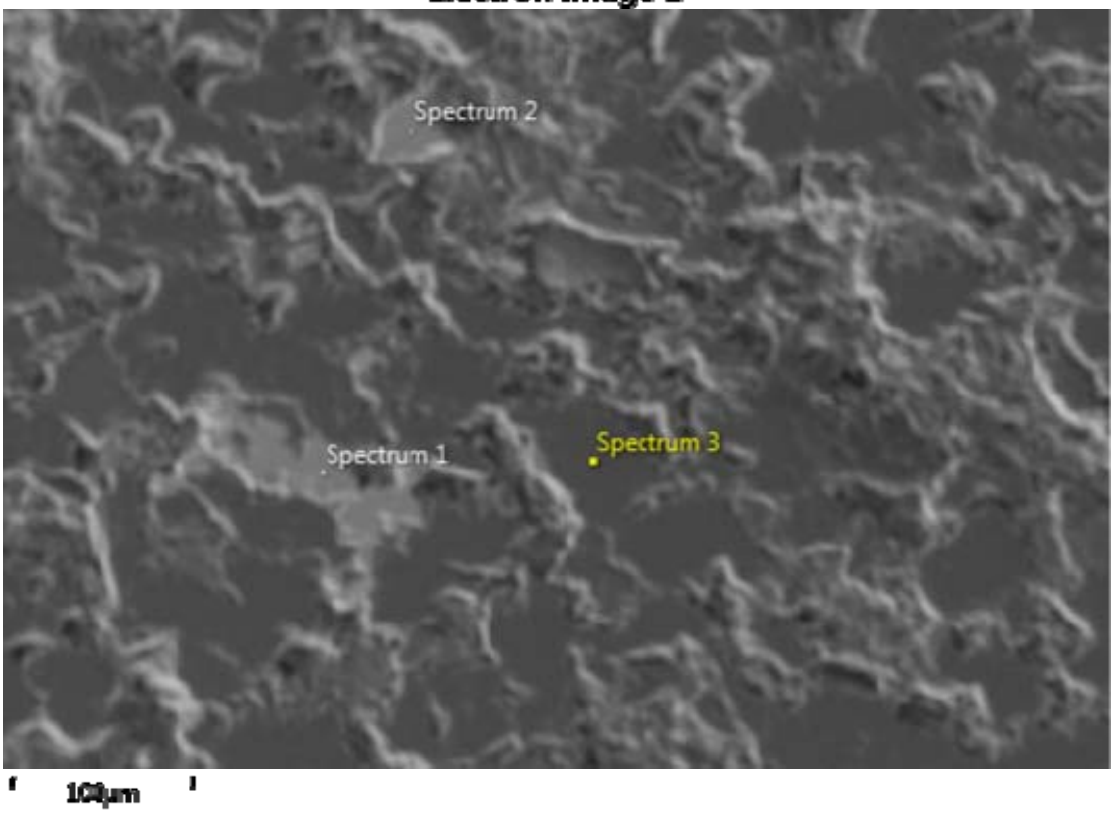
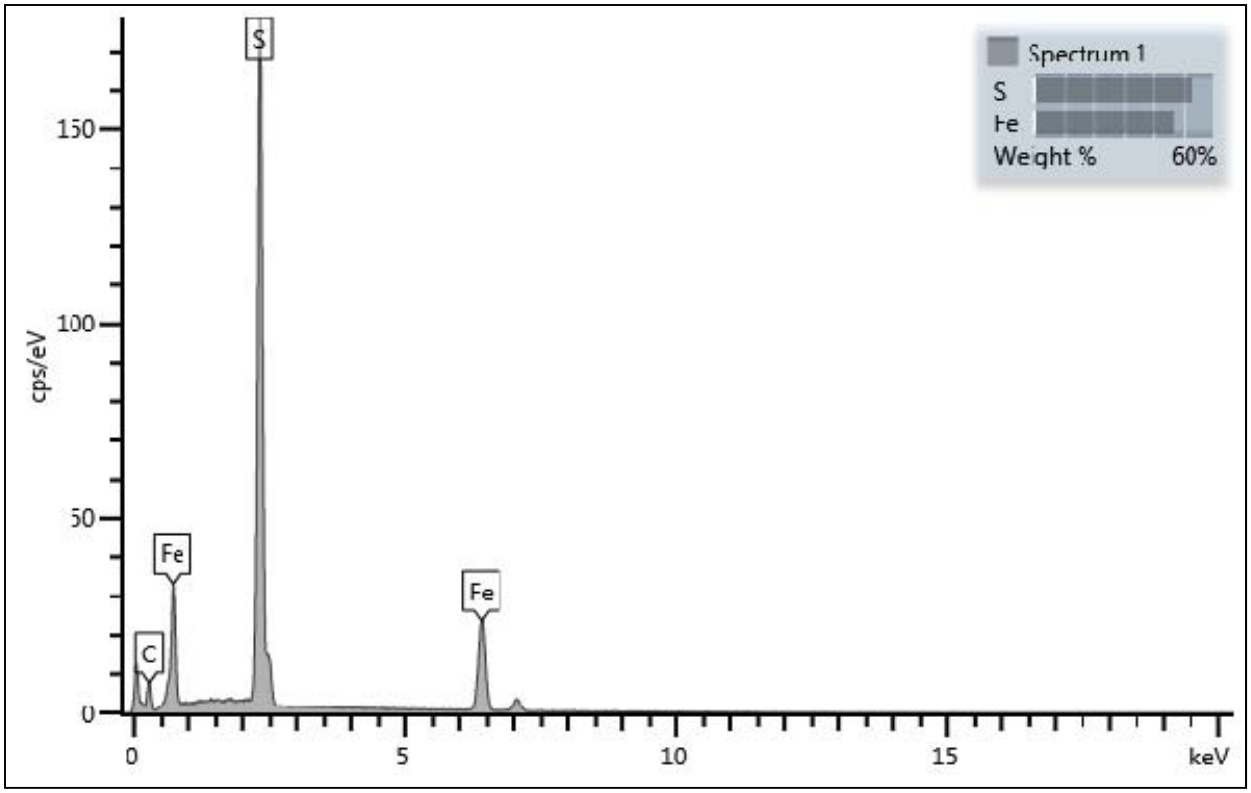
Electron Image 1





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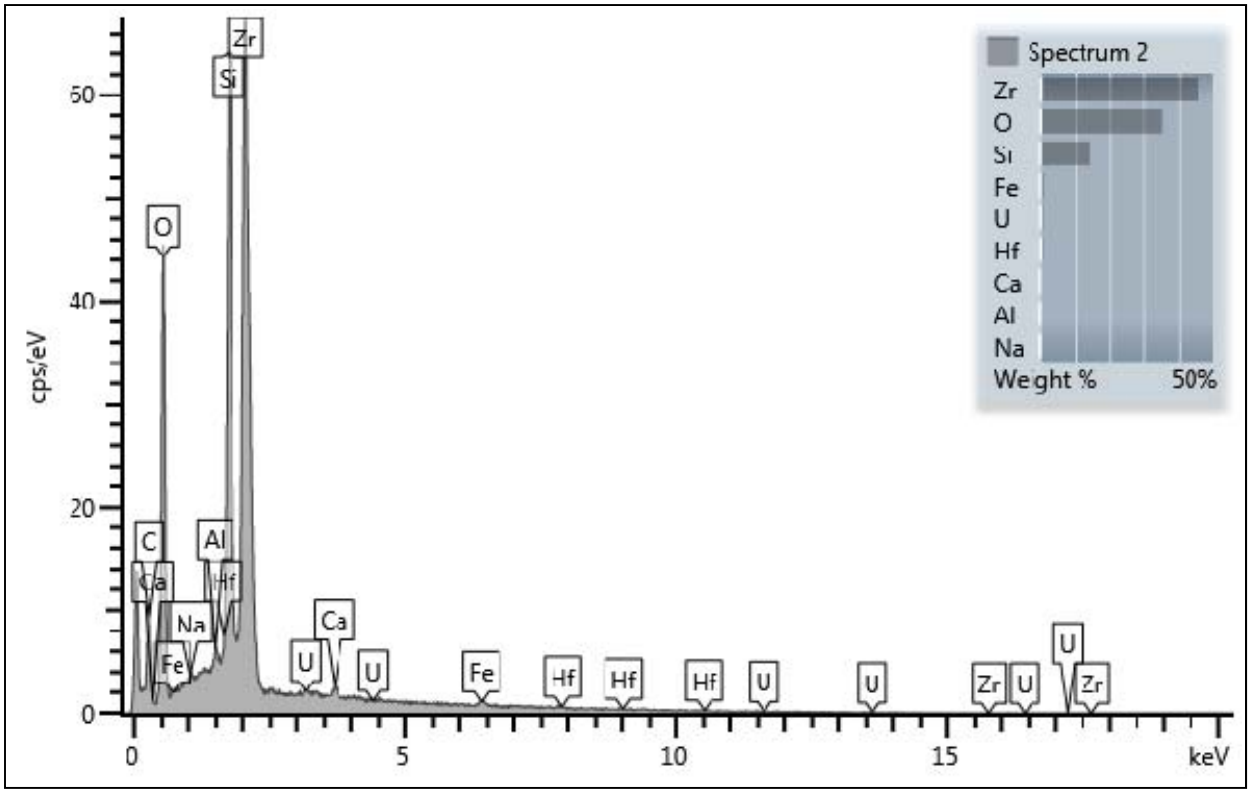
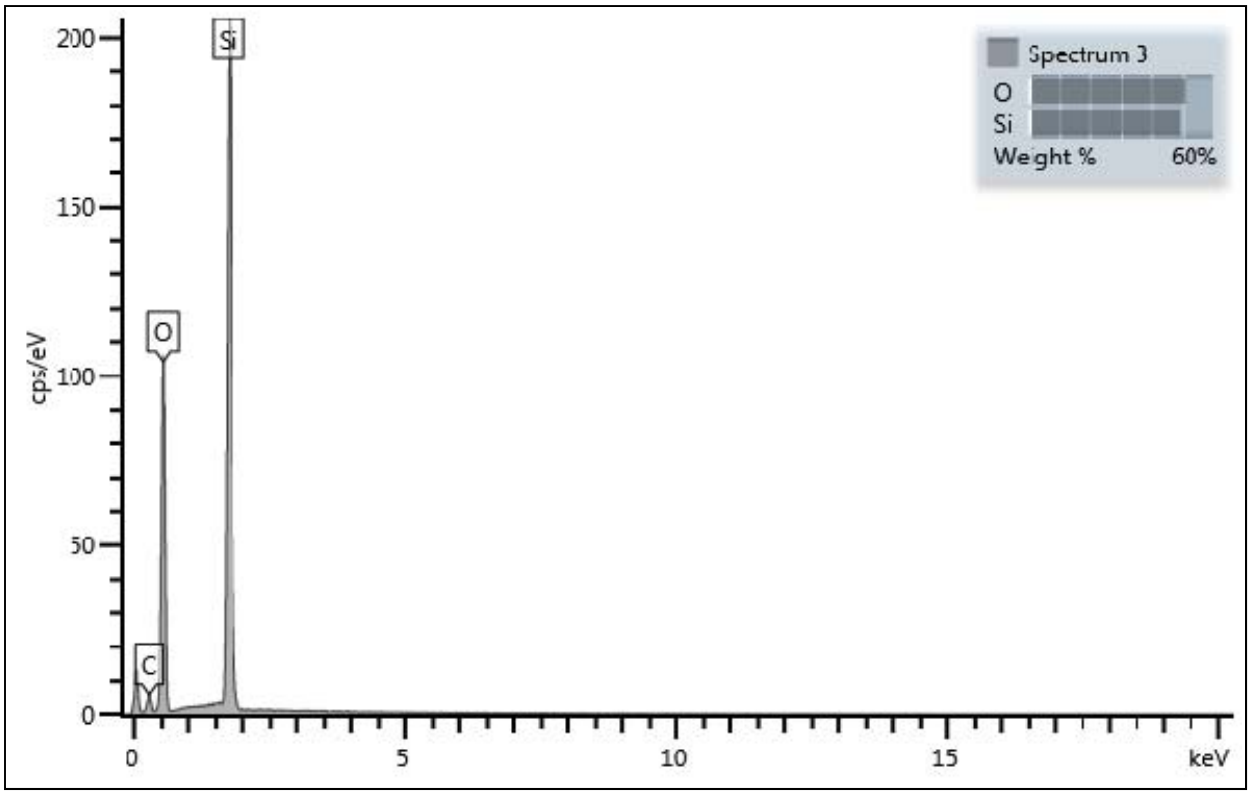
Daneros Mine Sample D-4

9/12/2012





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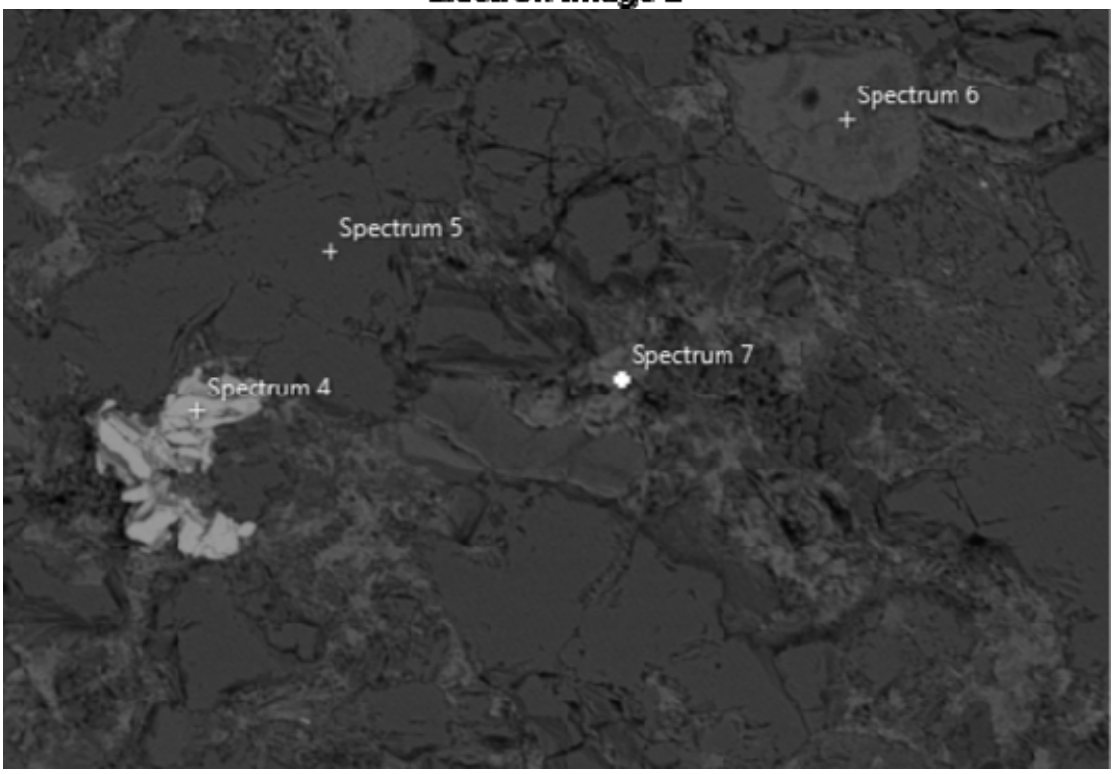
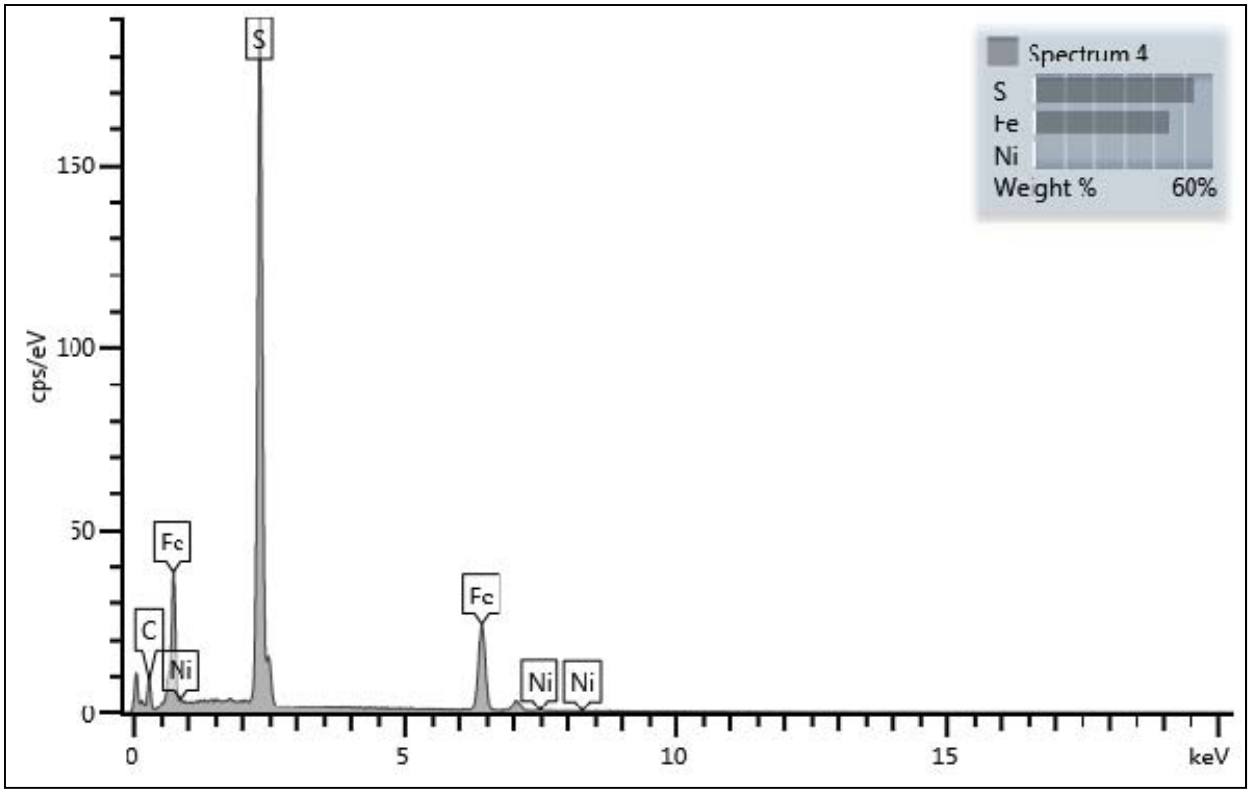
Electron Image 2



100µm



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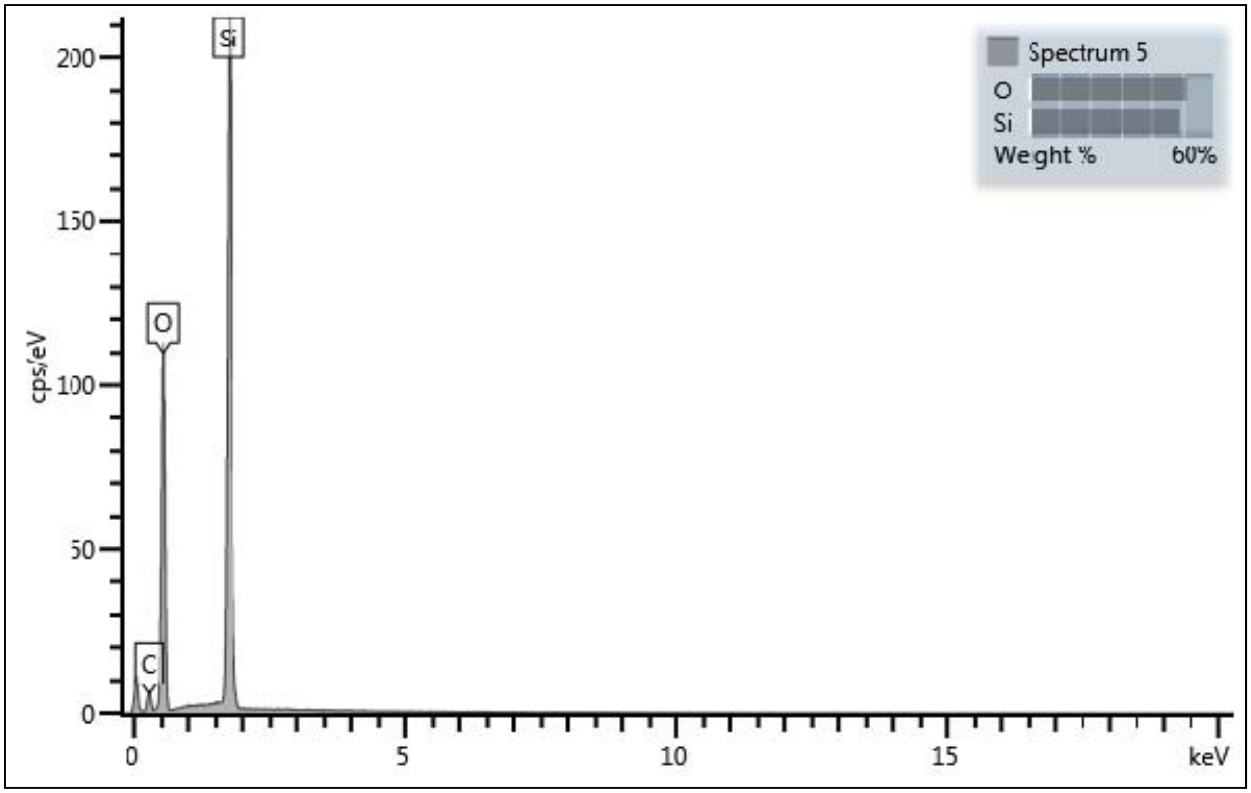
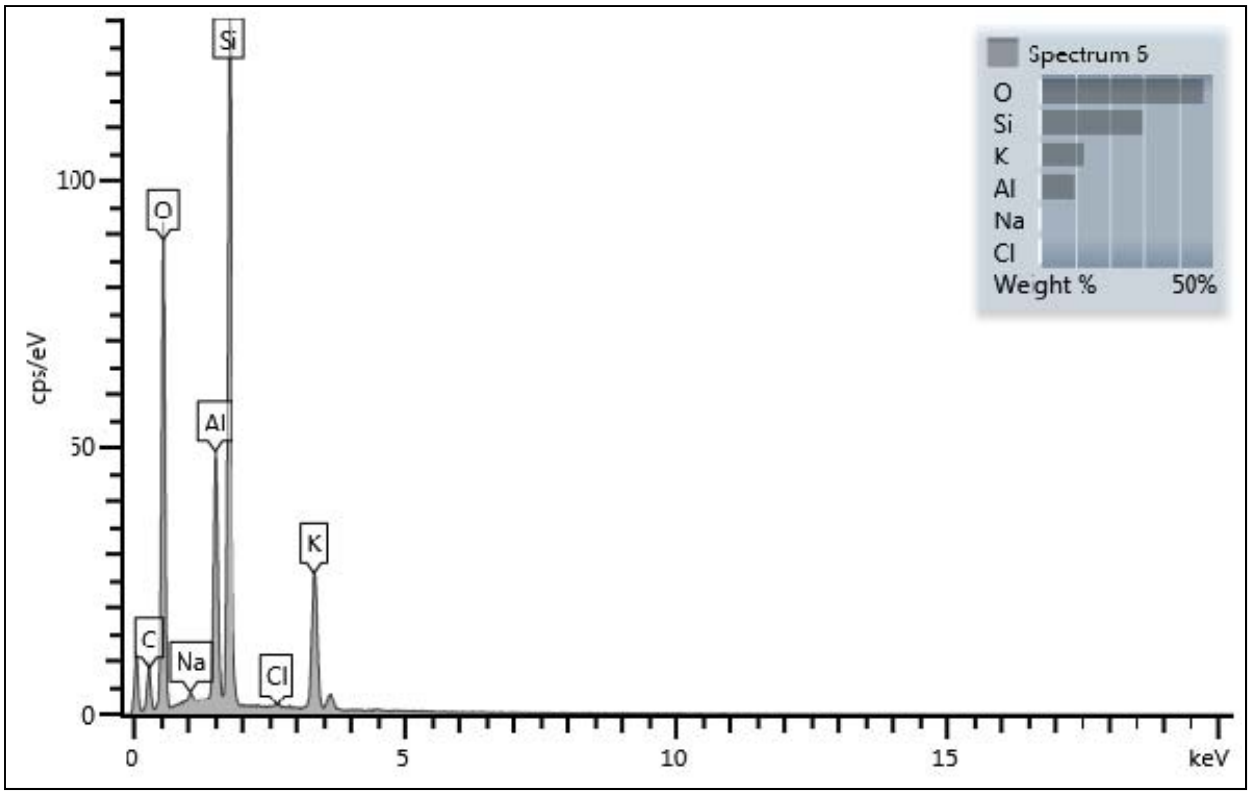
Daneros Mine Sample D-4

9/12/2012





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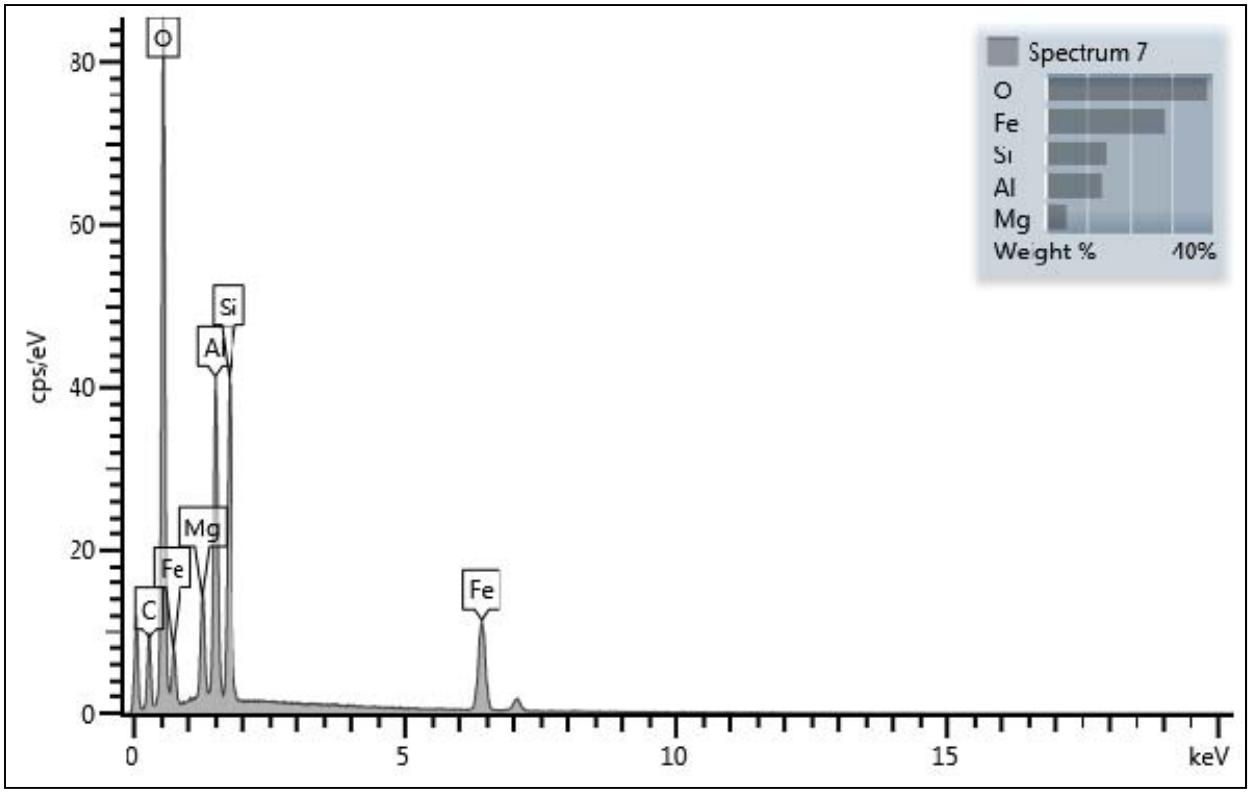
Daneros Mine Sample D-4

9/12/2012



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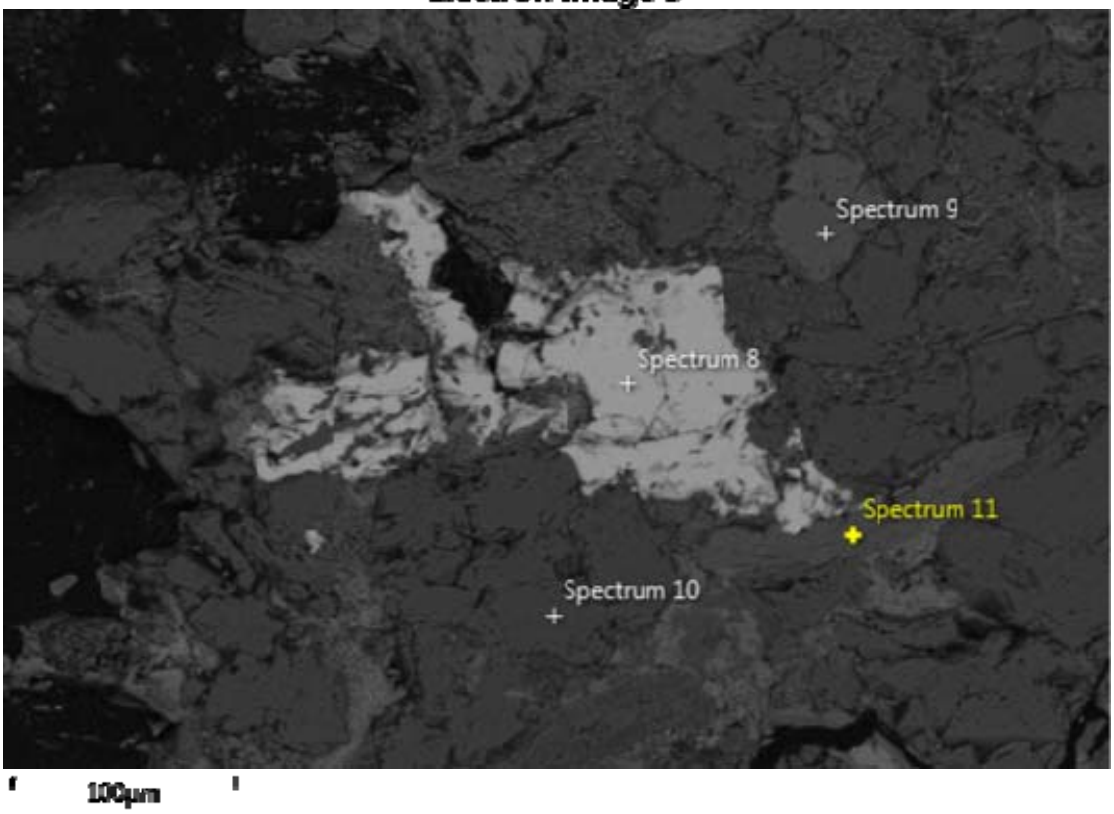
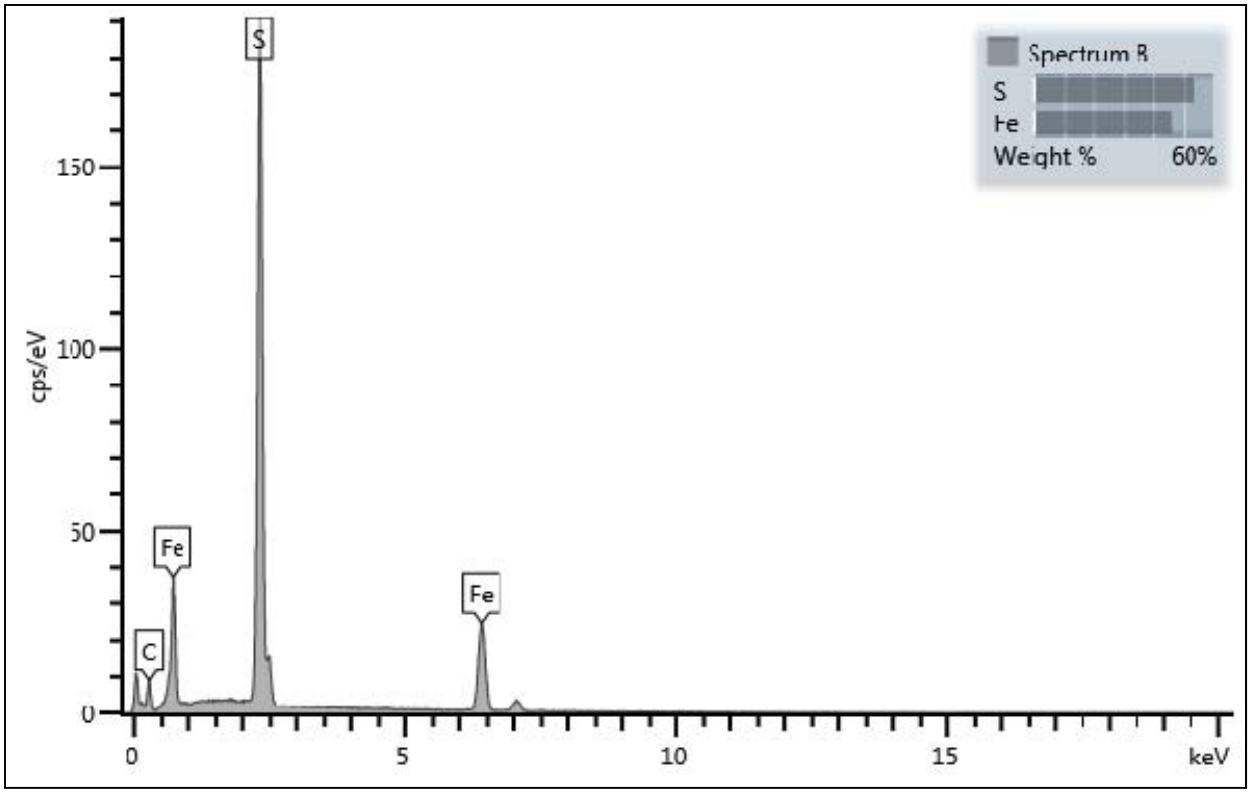
Electron Image 3





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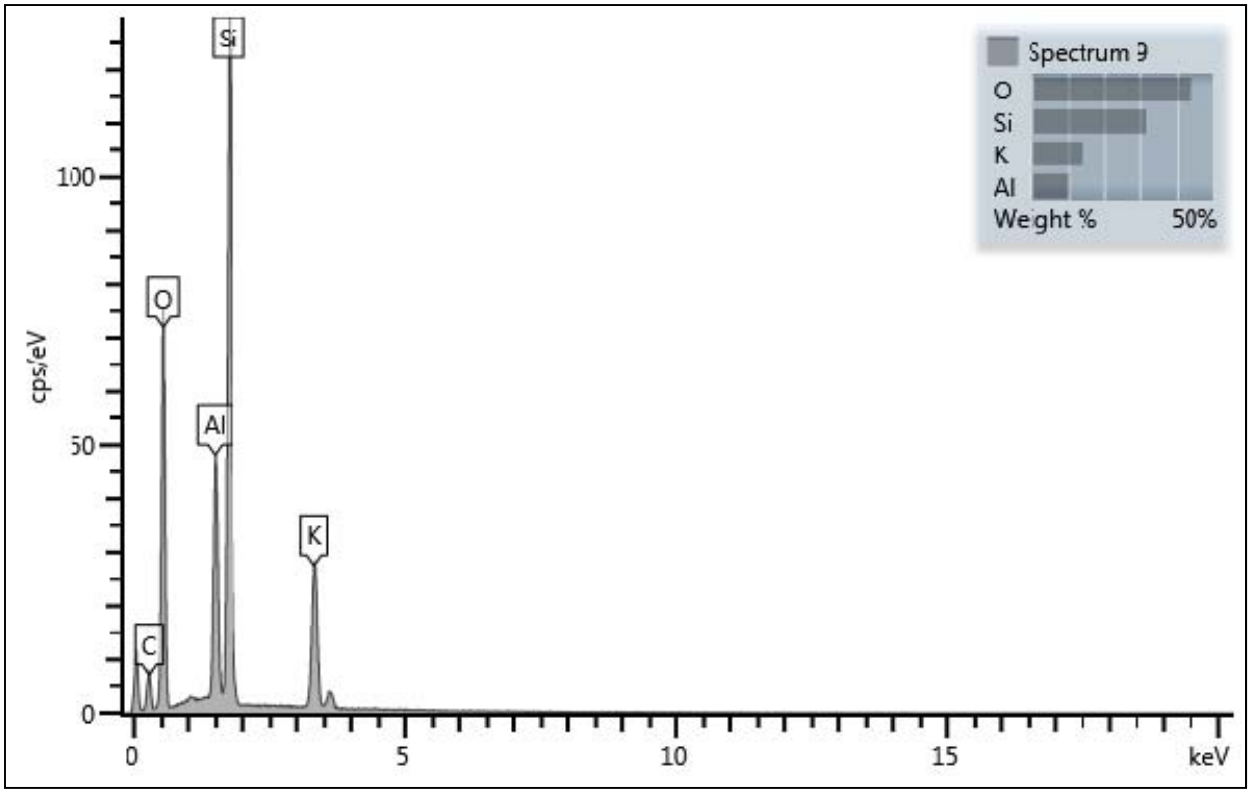
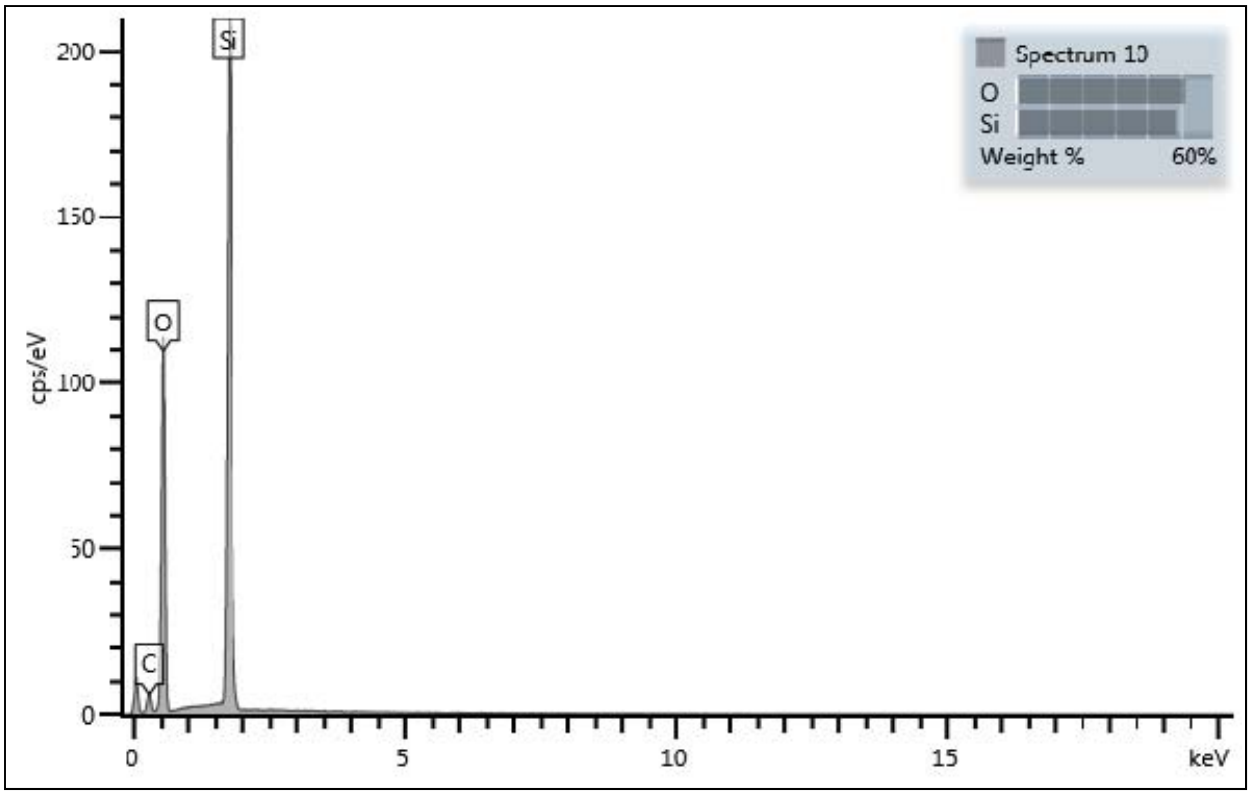
Daneros Mine Sample D-4

9/12/2012





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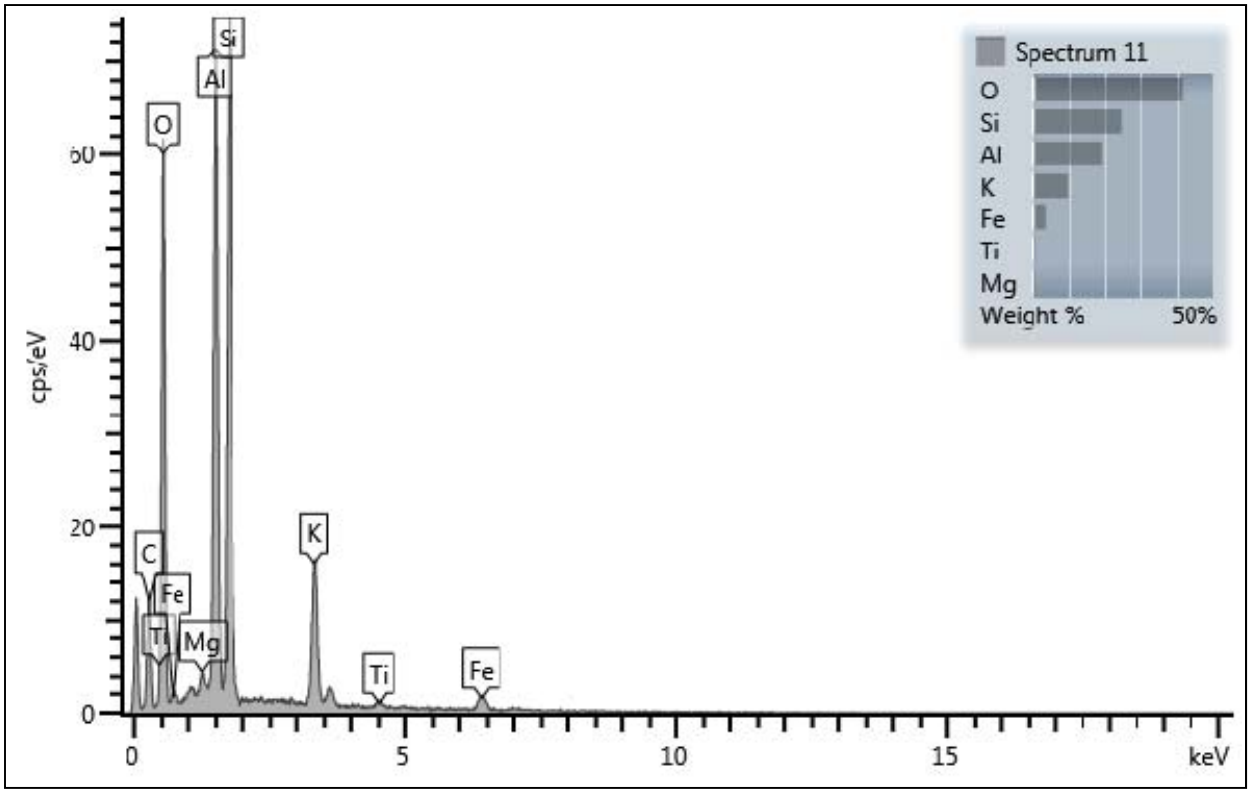
Daneros Mine Sample D-4

9/12/2012



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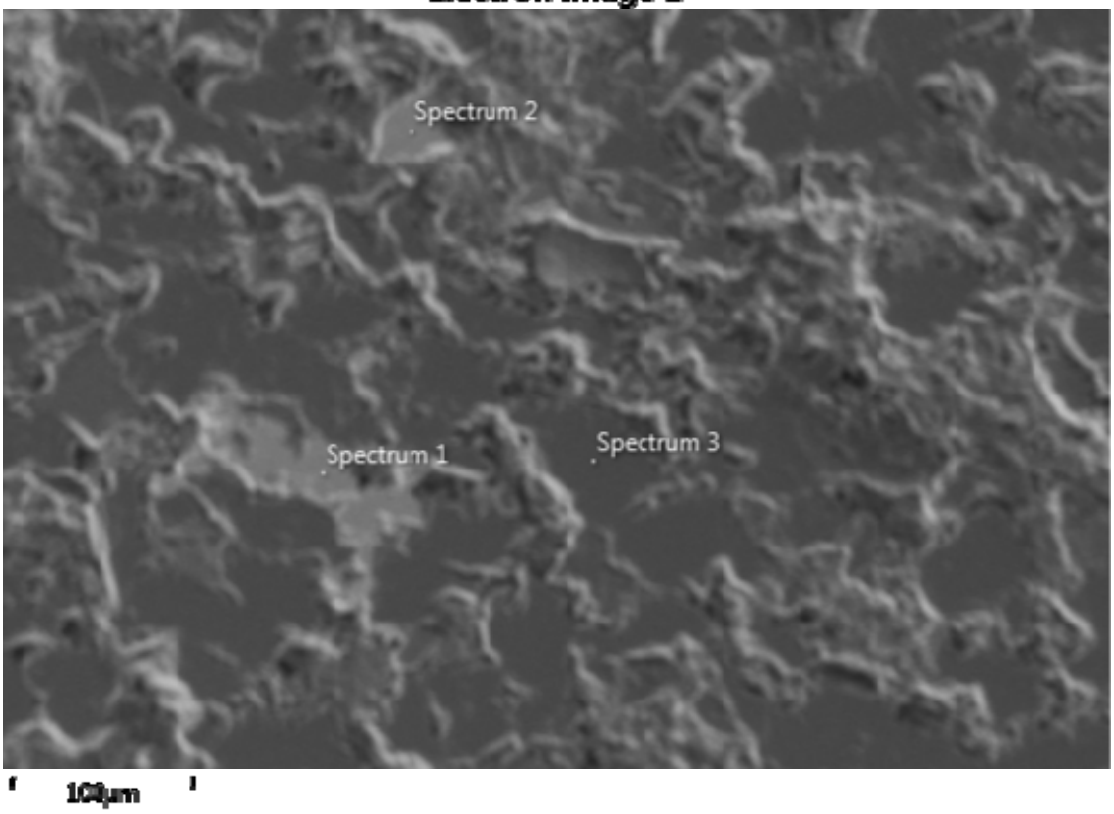
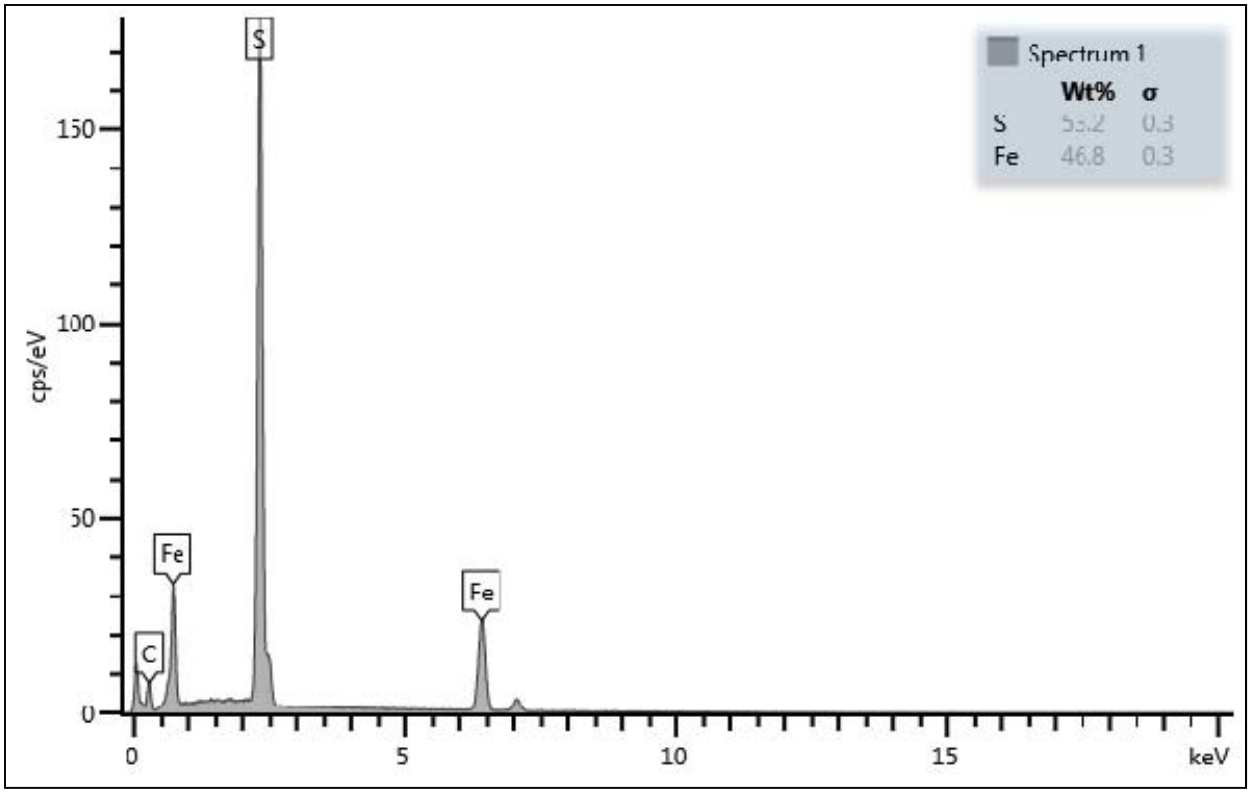
Daneros Mine Sample D-4 9/12/2012

Electron Image 1





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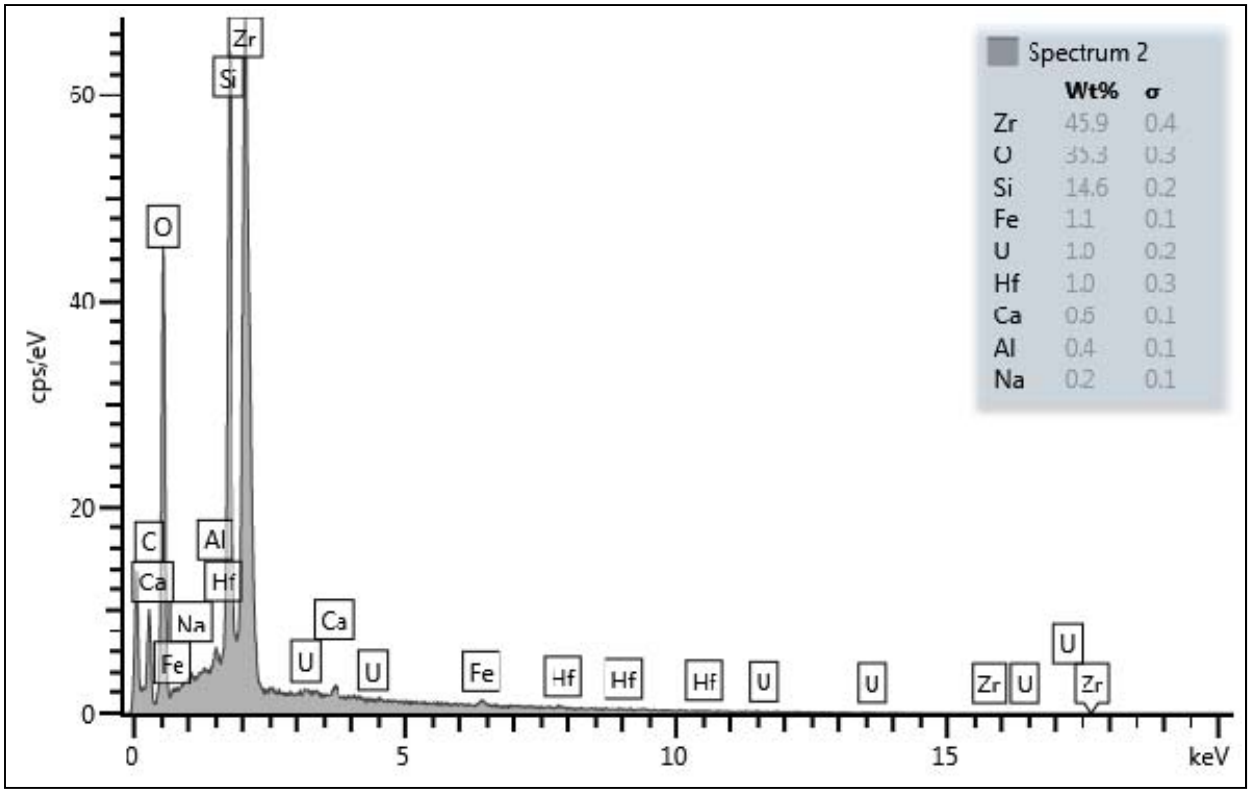
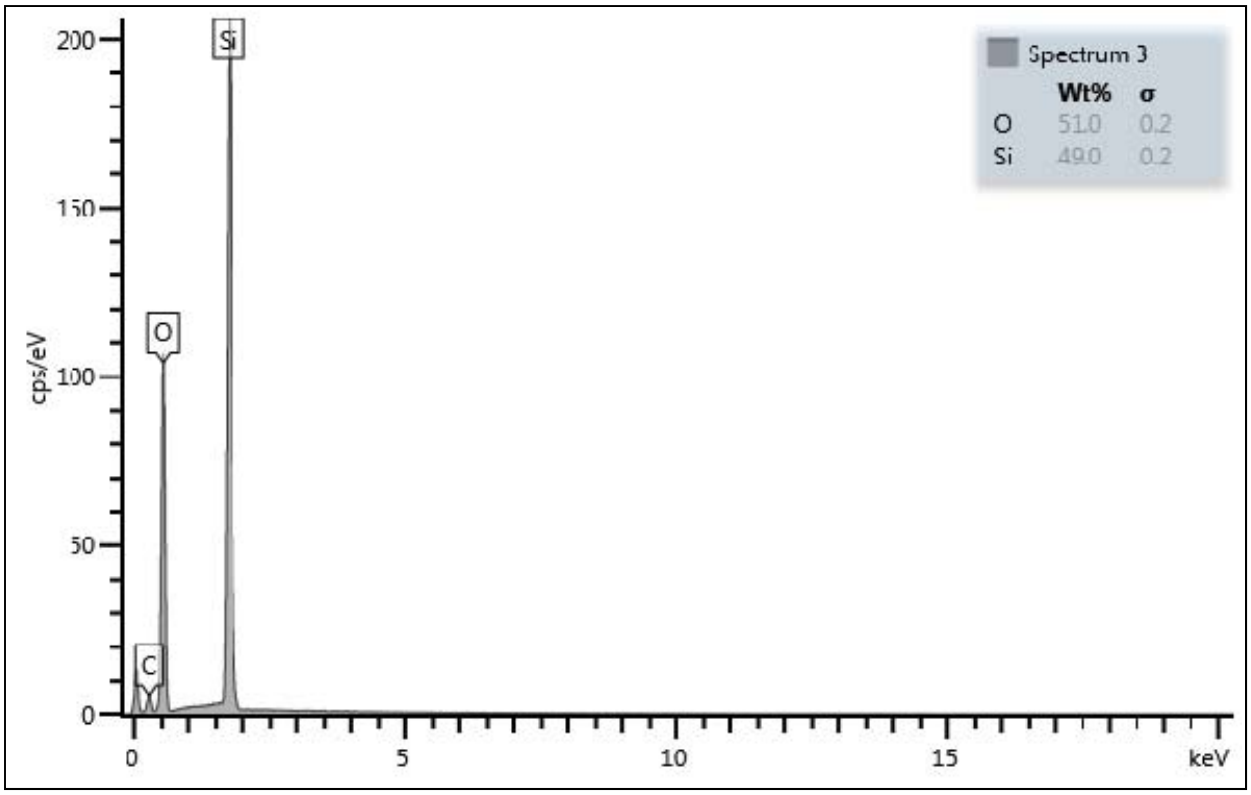
Daneros Mine Sample D-4

9/12/2012





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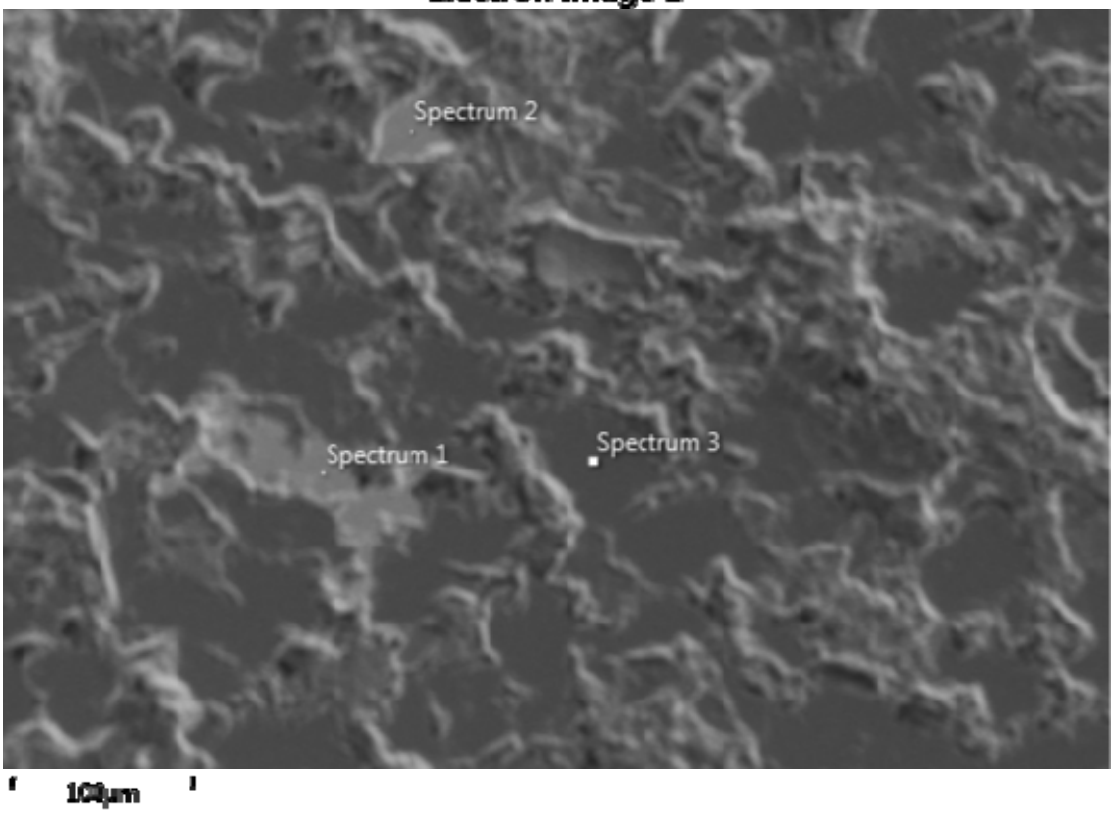
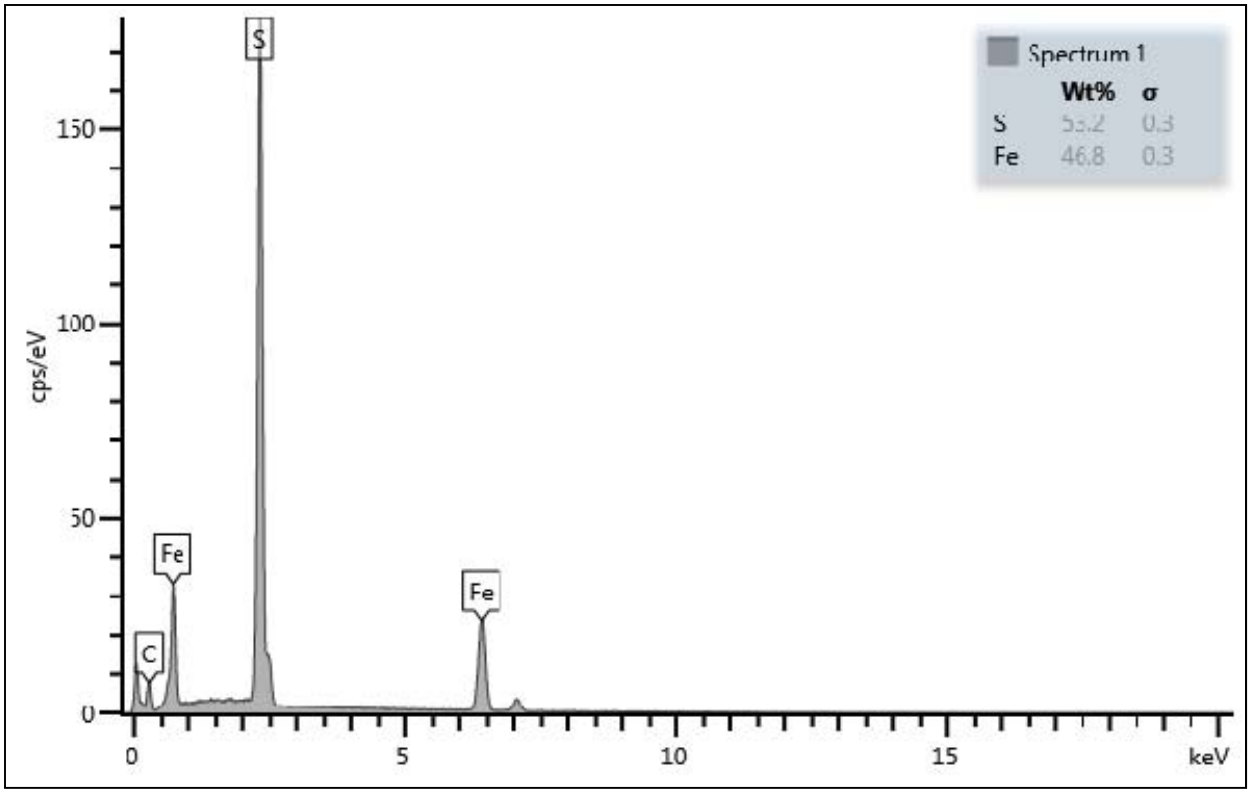
Electron Image 1





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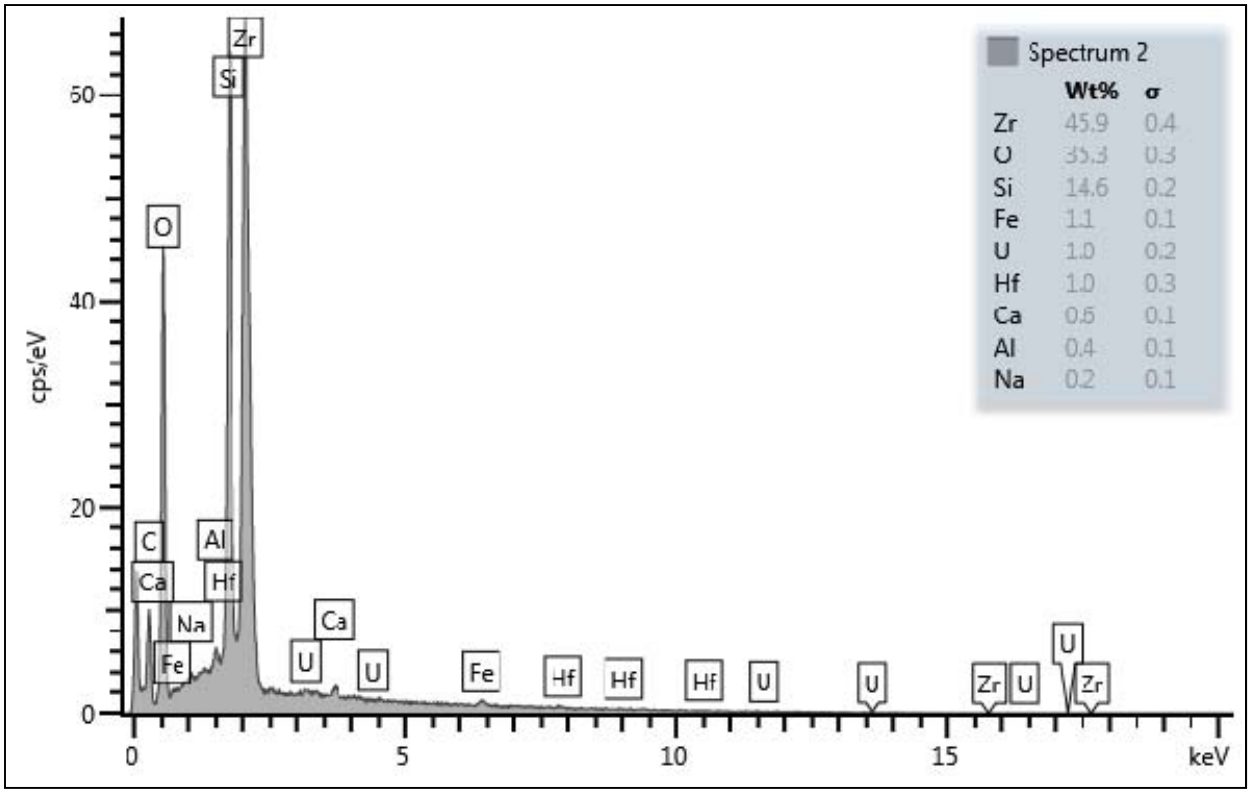
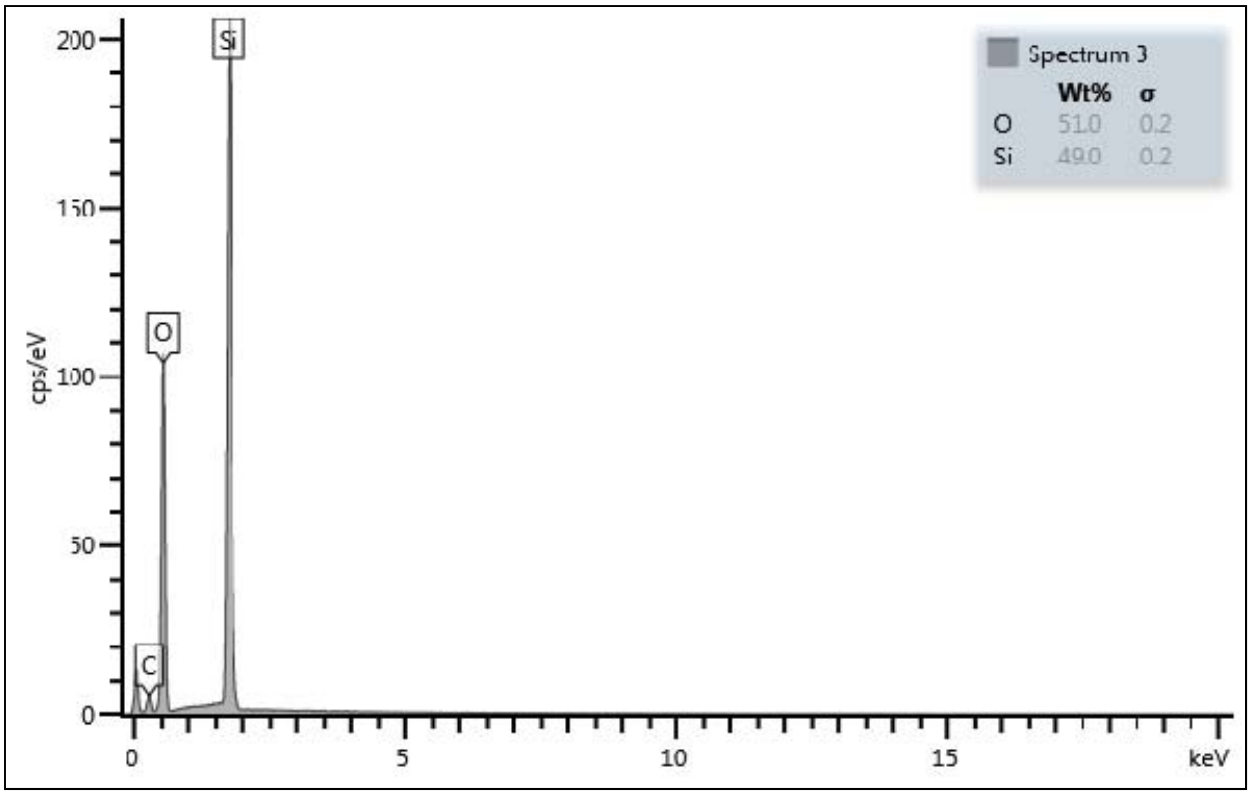
Daneros Mine Sample D-4

9/12/2012





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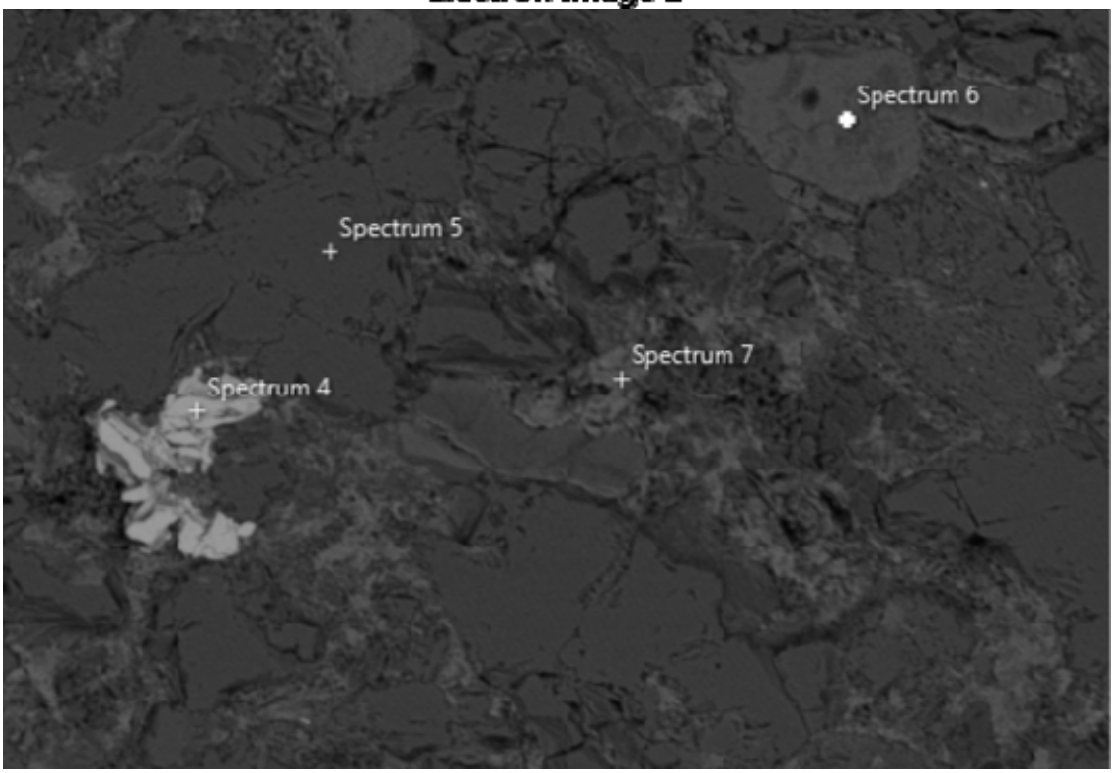
Electron Image 2



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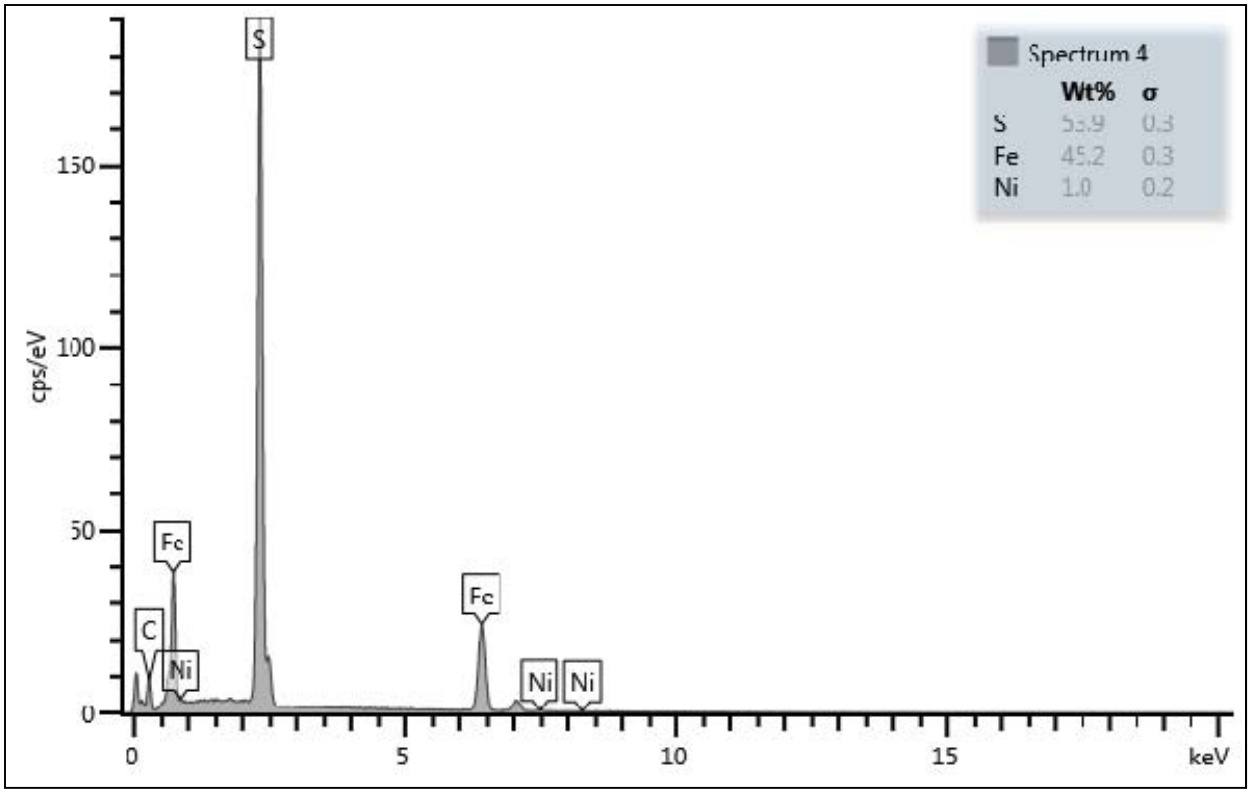

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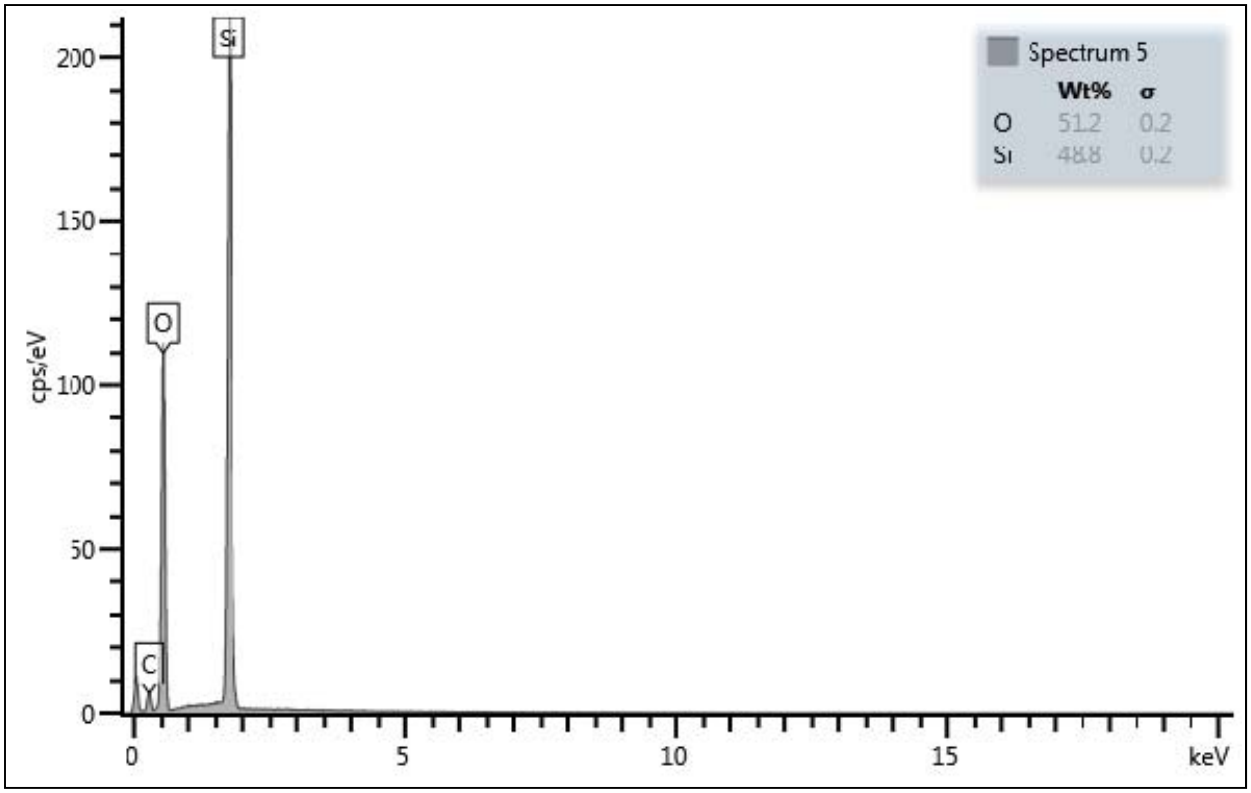
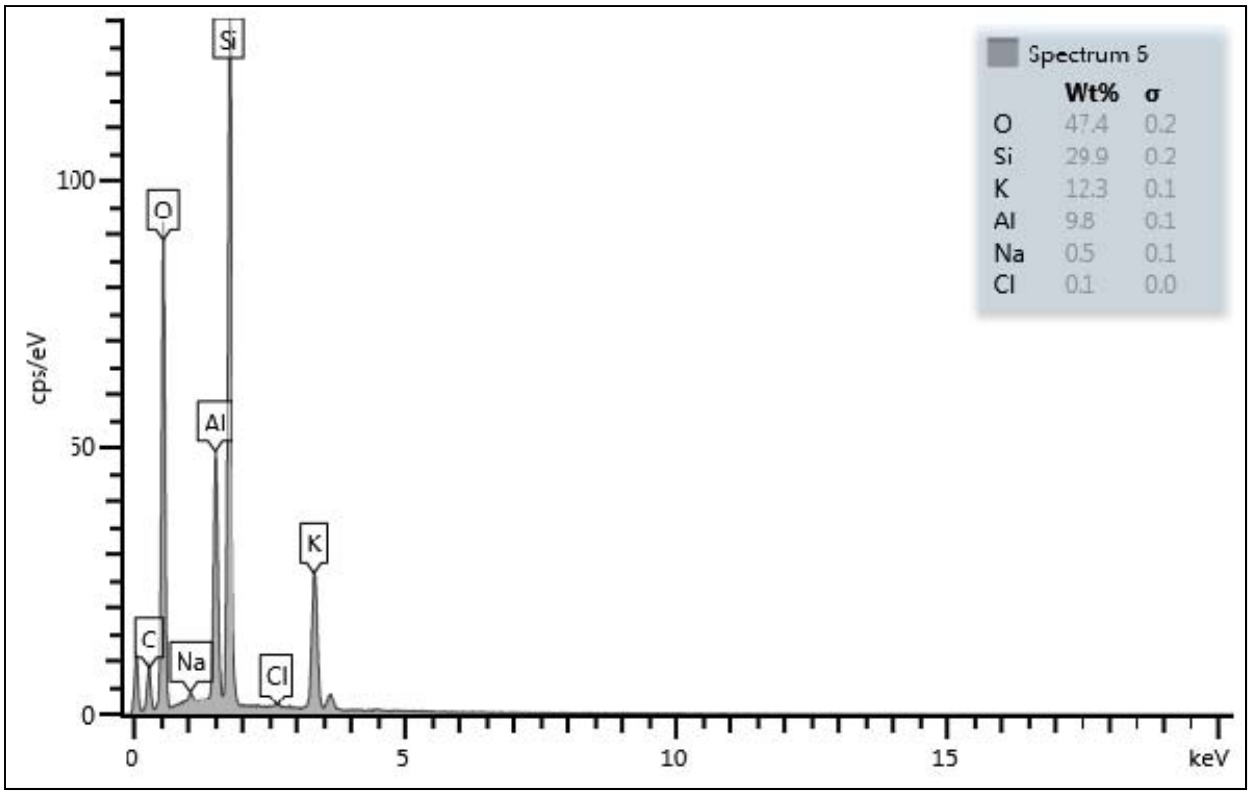
Daneros Mine Sample D-4

9/12/2012





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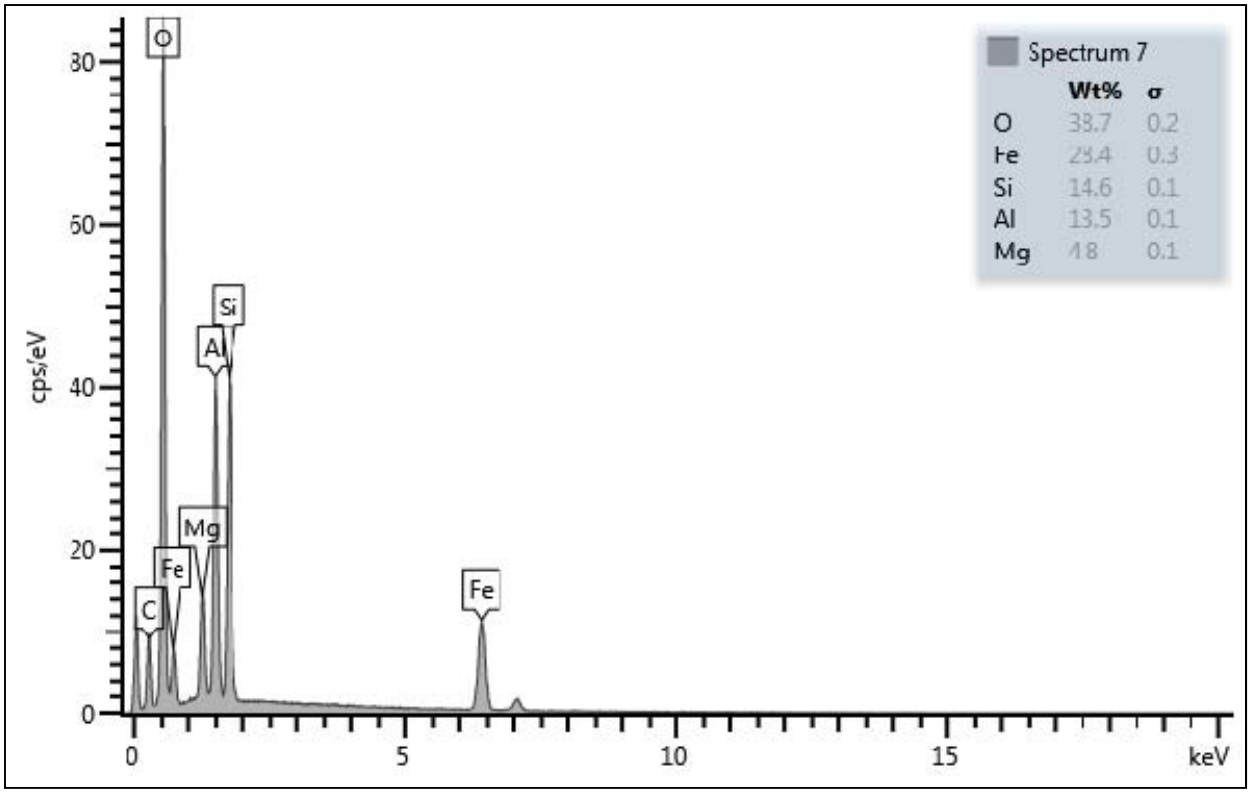
Daneros Mine Sample D-4

9/12/2012



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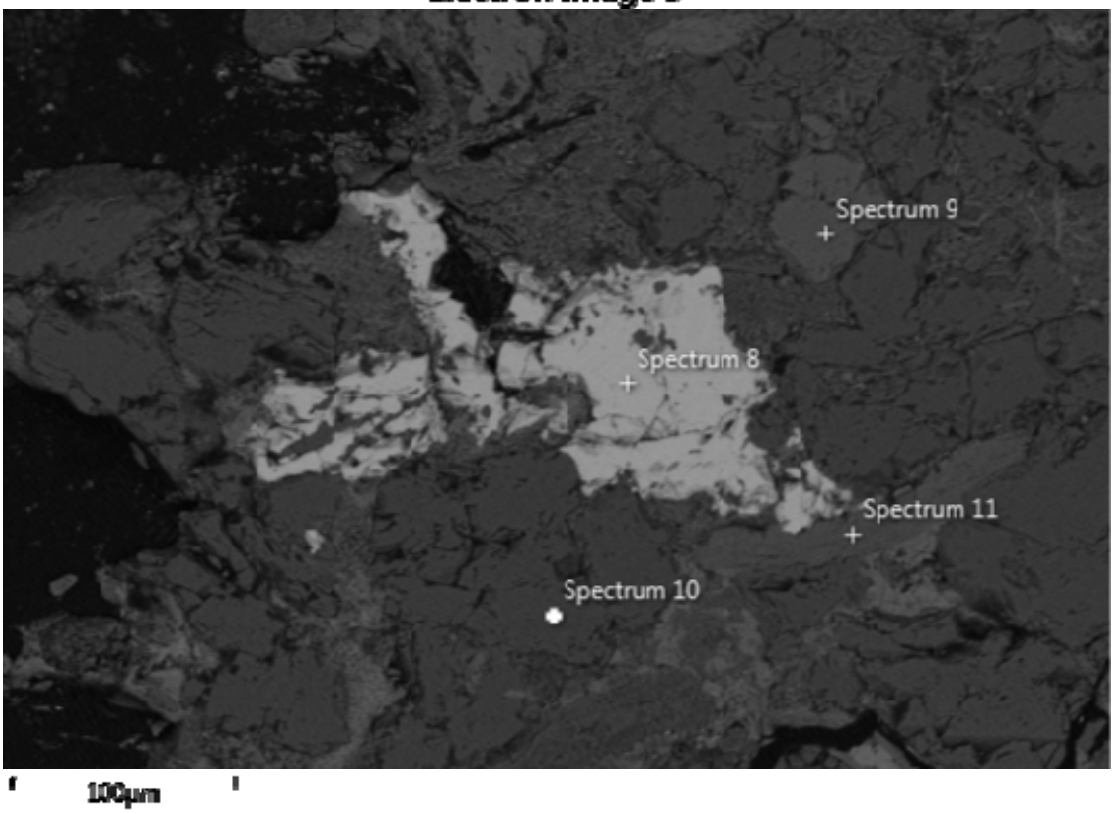
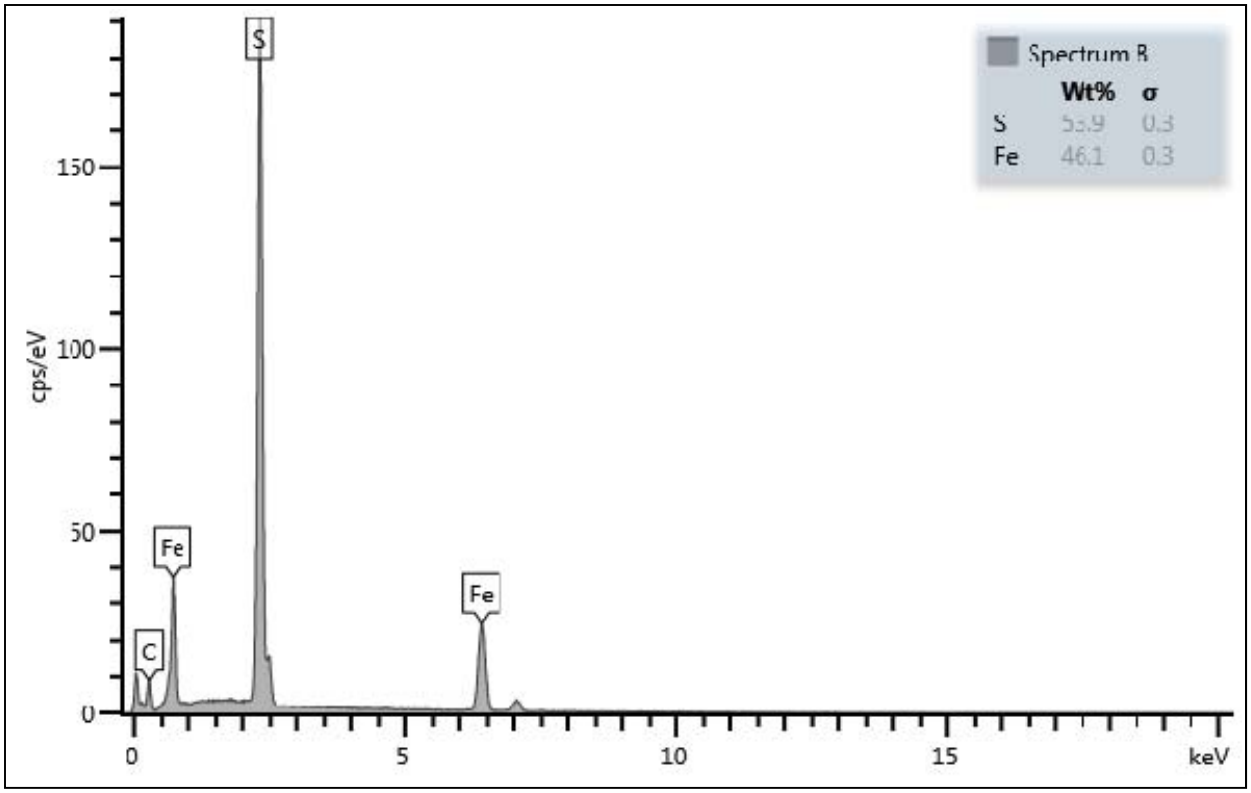
Electron Image 3





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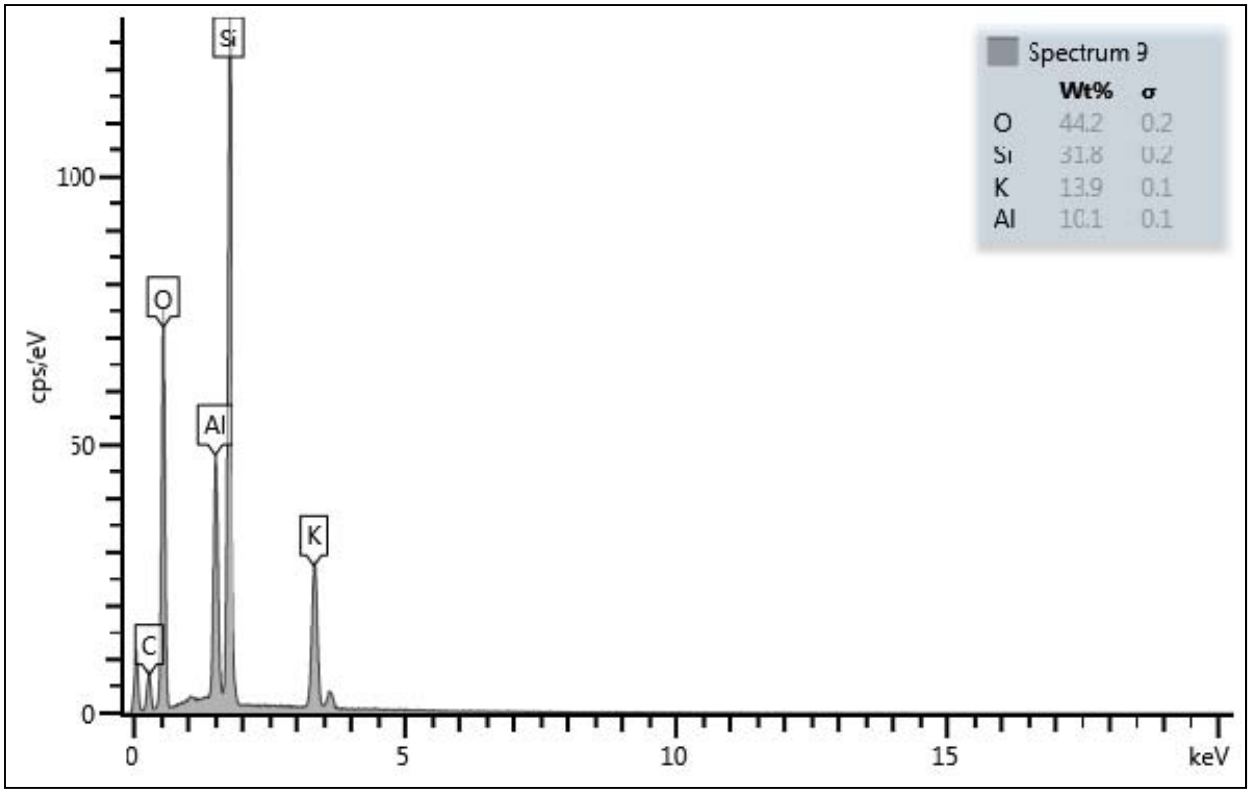
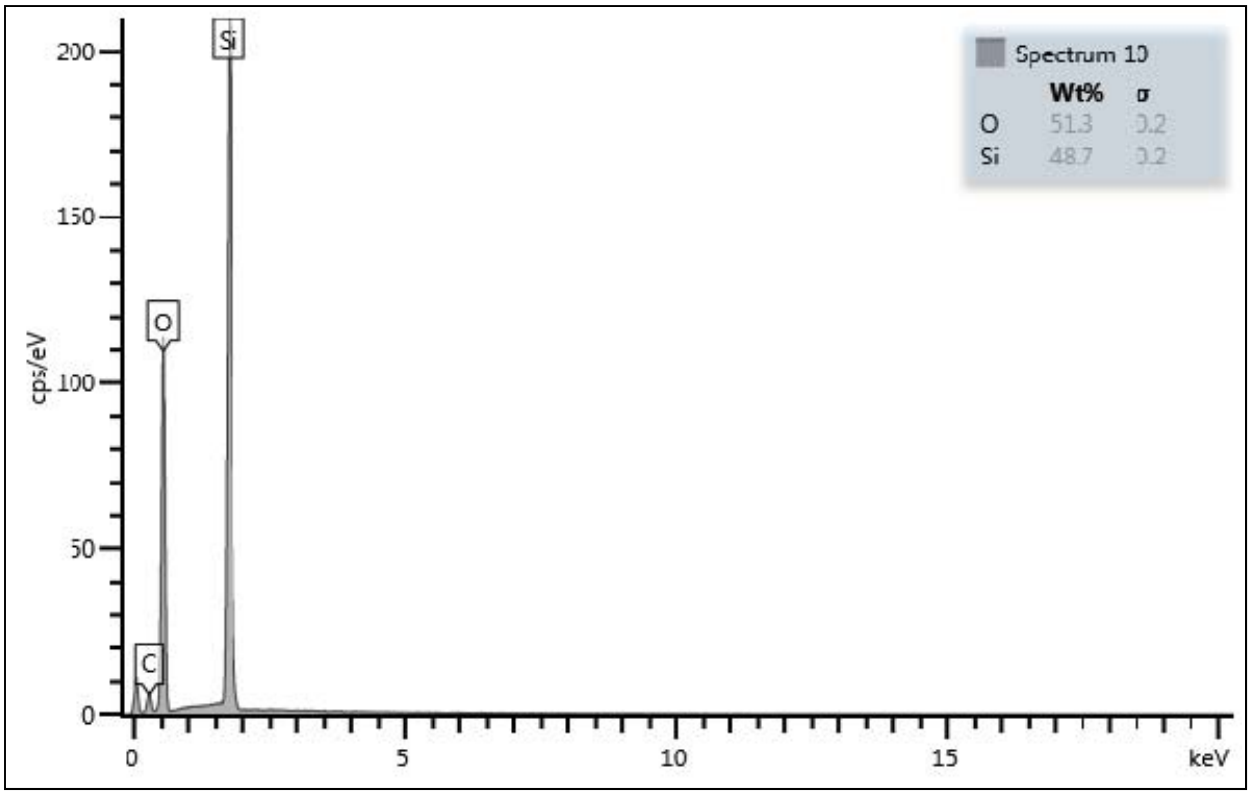
Daneros Mine Sample D-4

9/12/2012





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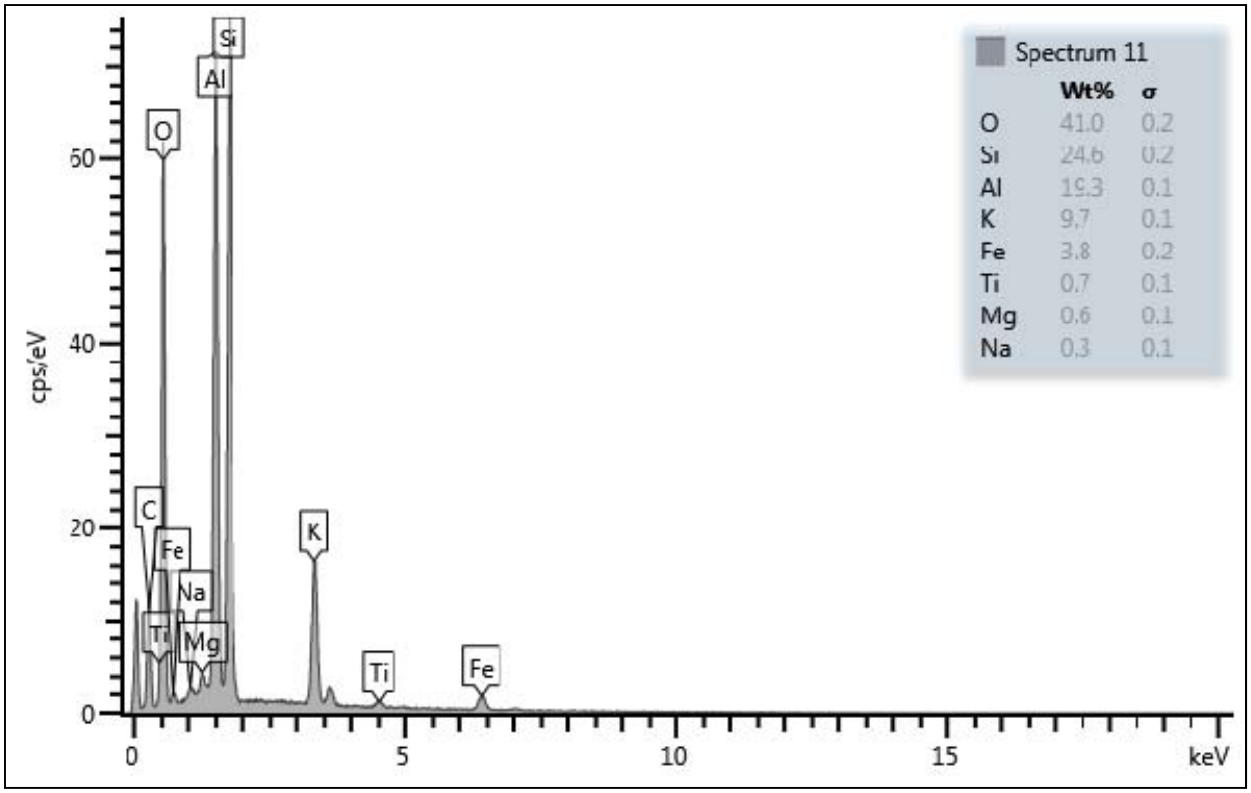
Daneros Mine Sample D-4

9/12/2012



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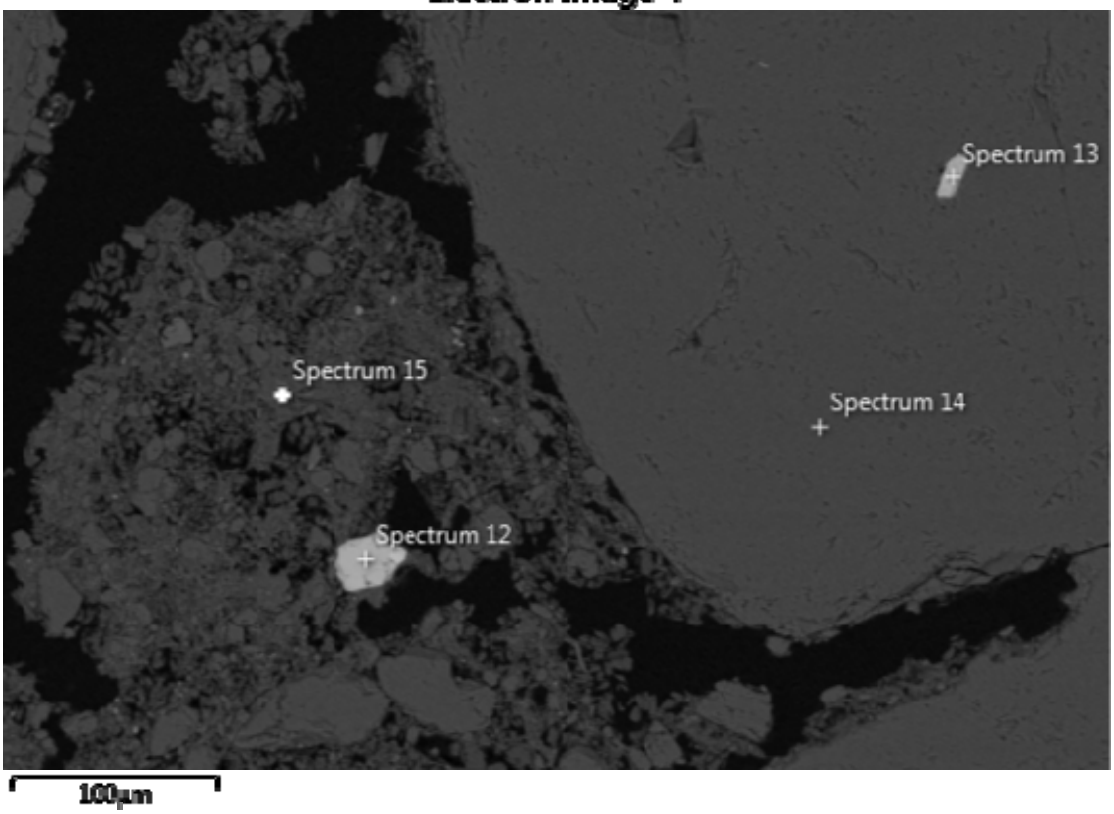
9/12/2012

Electron Image 4



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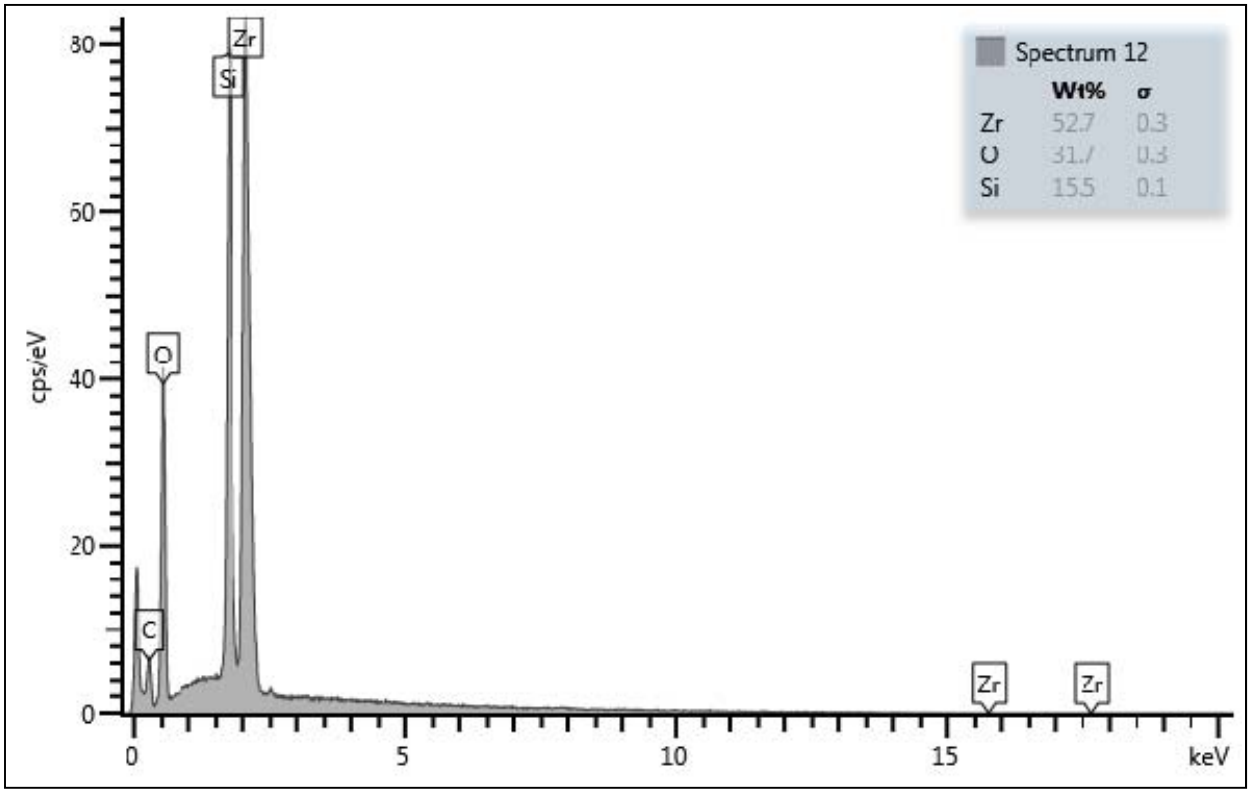

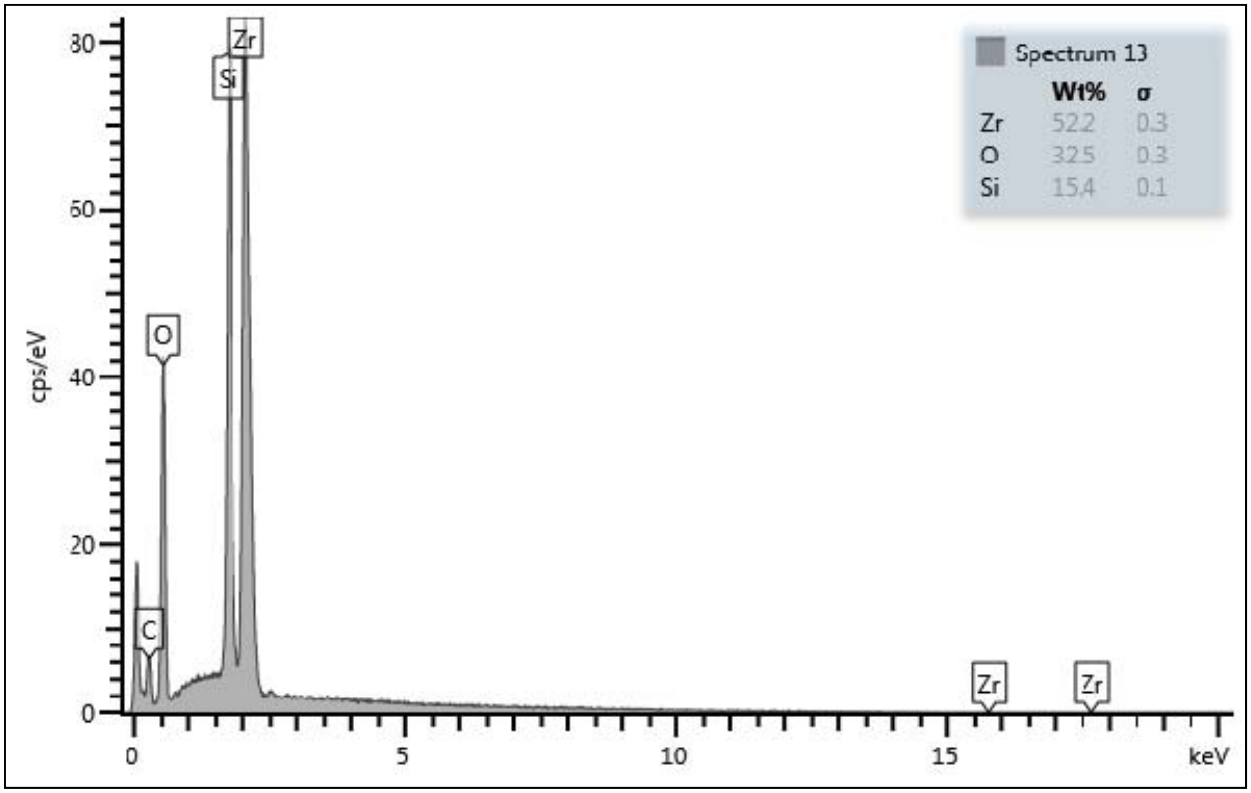

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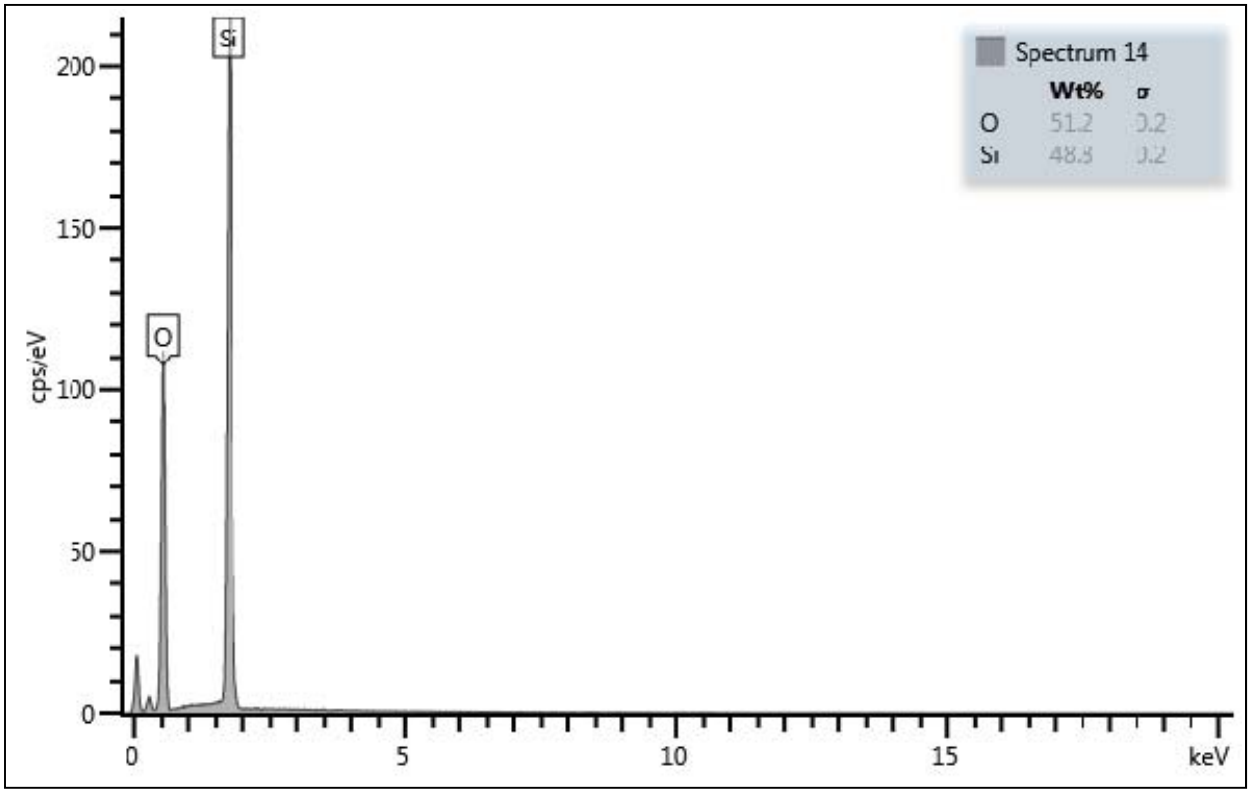

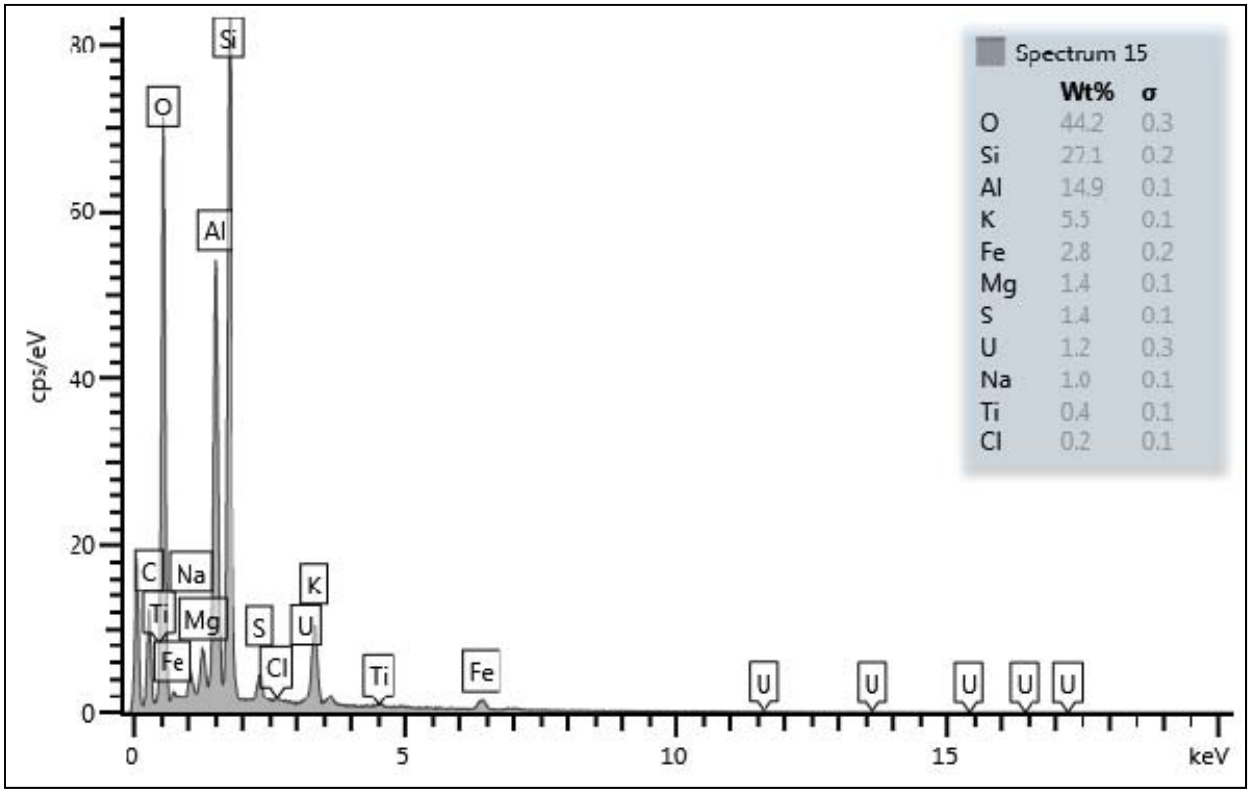

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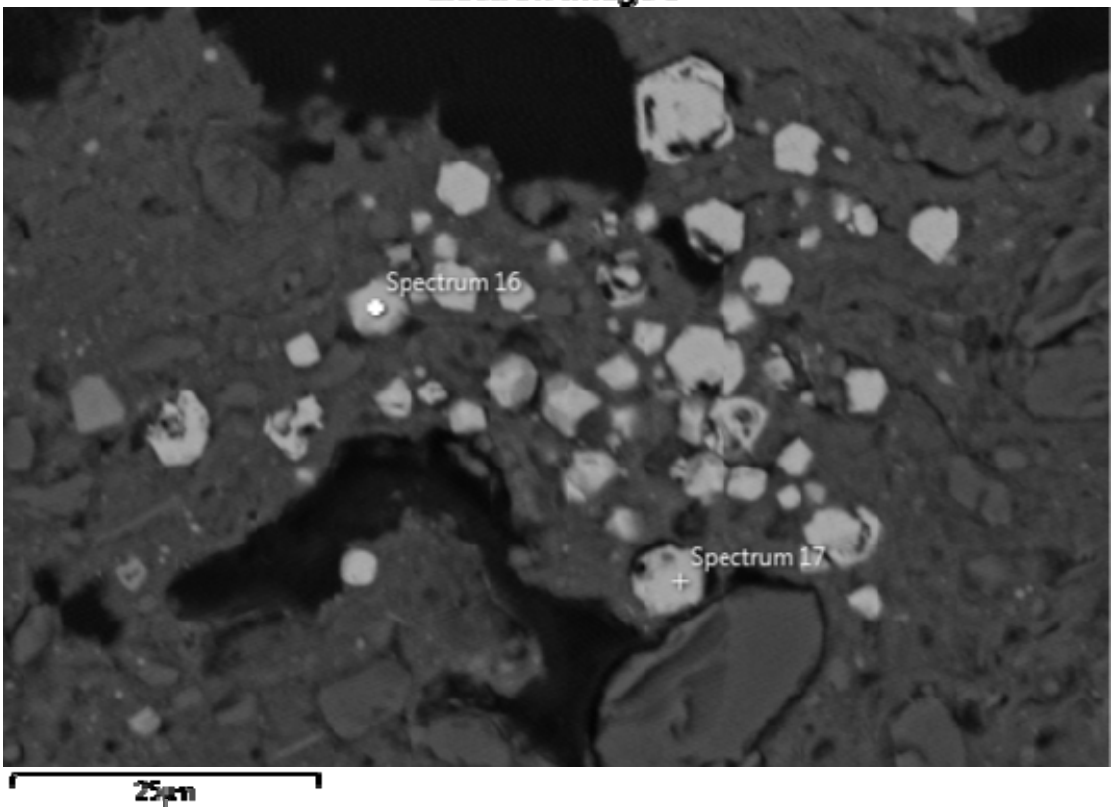
Electron Image 5



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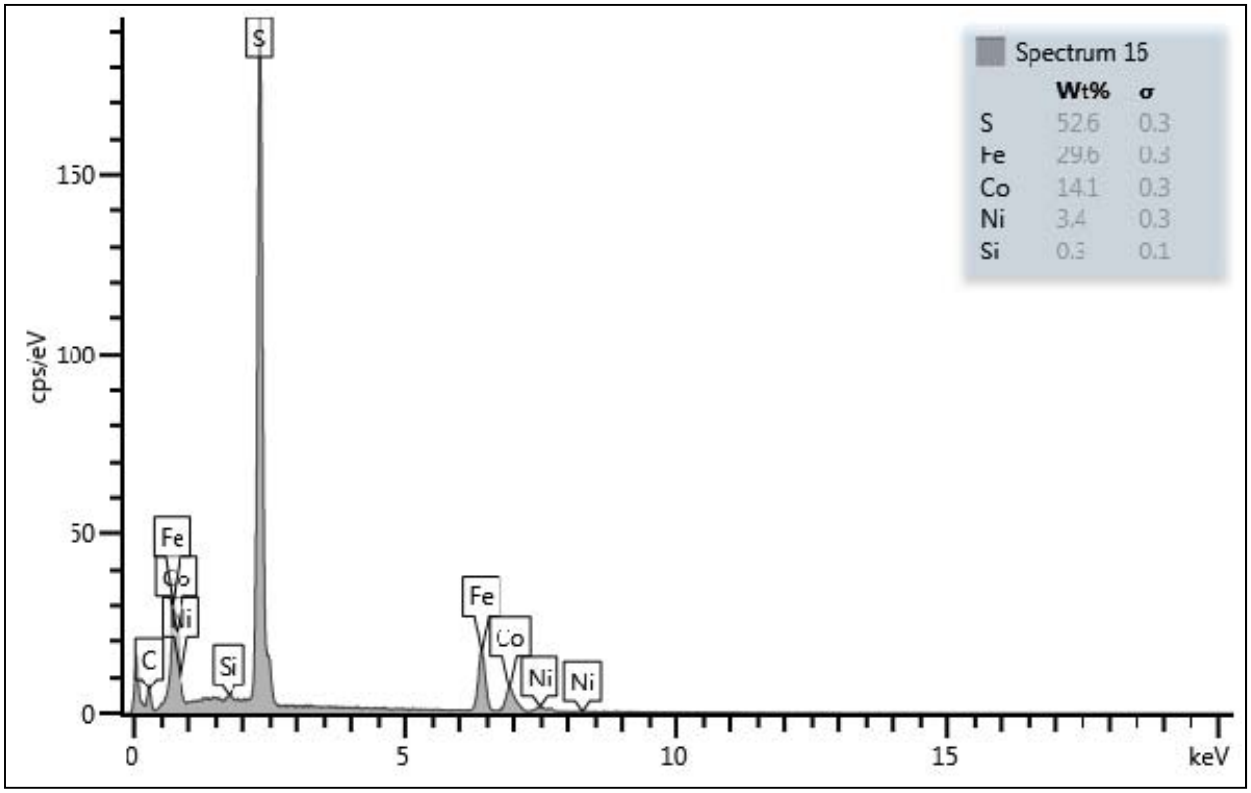

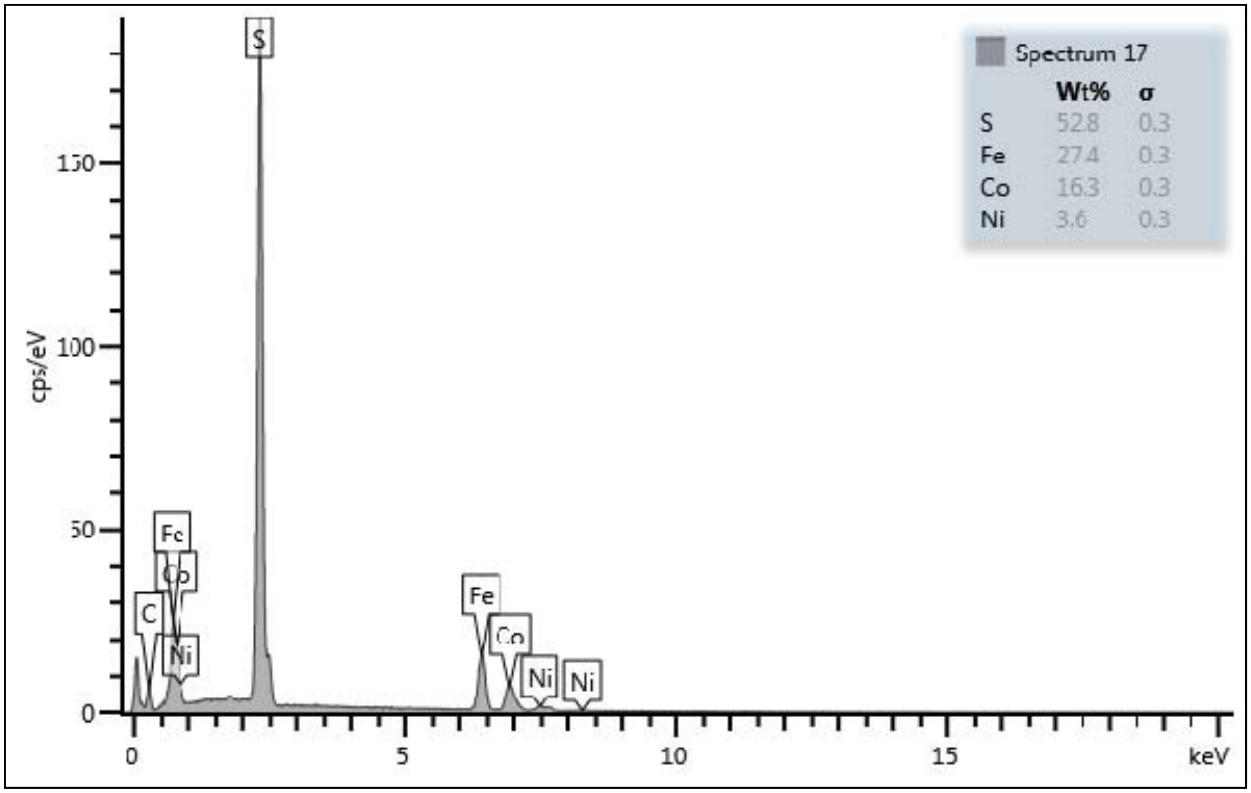

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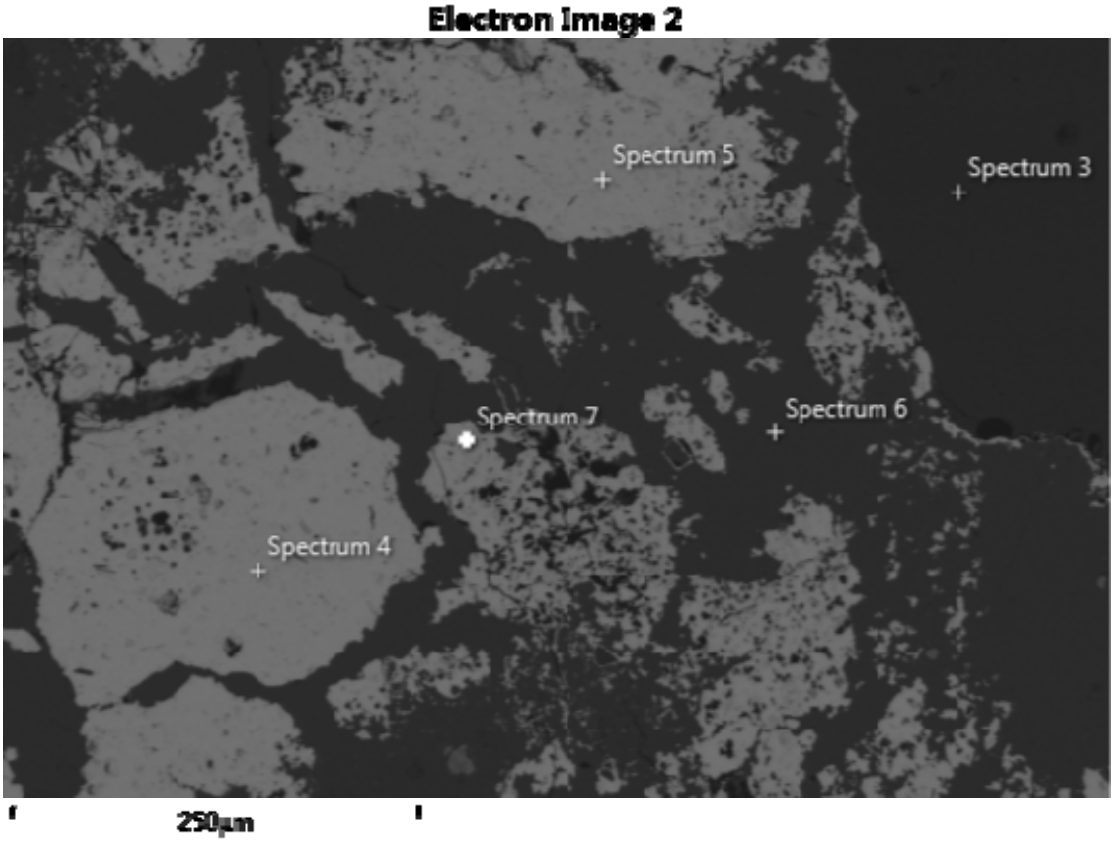

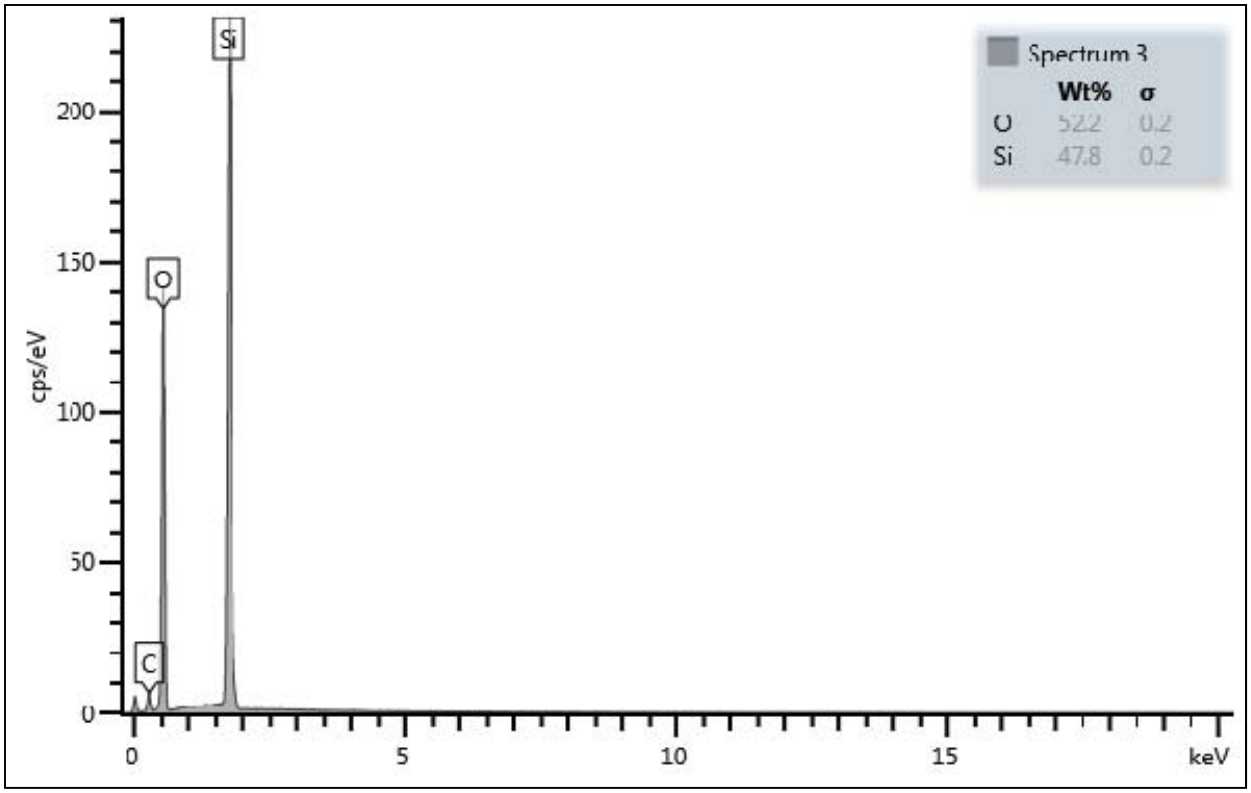

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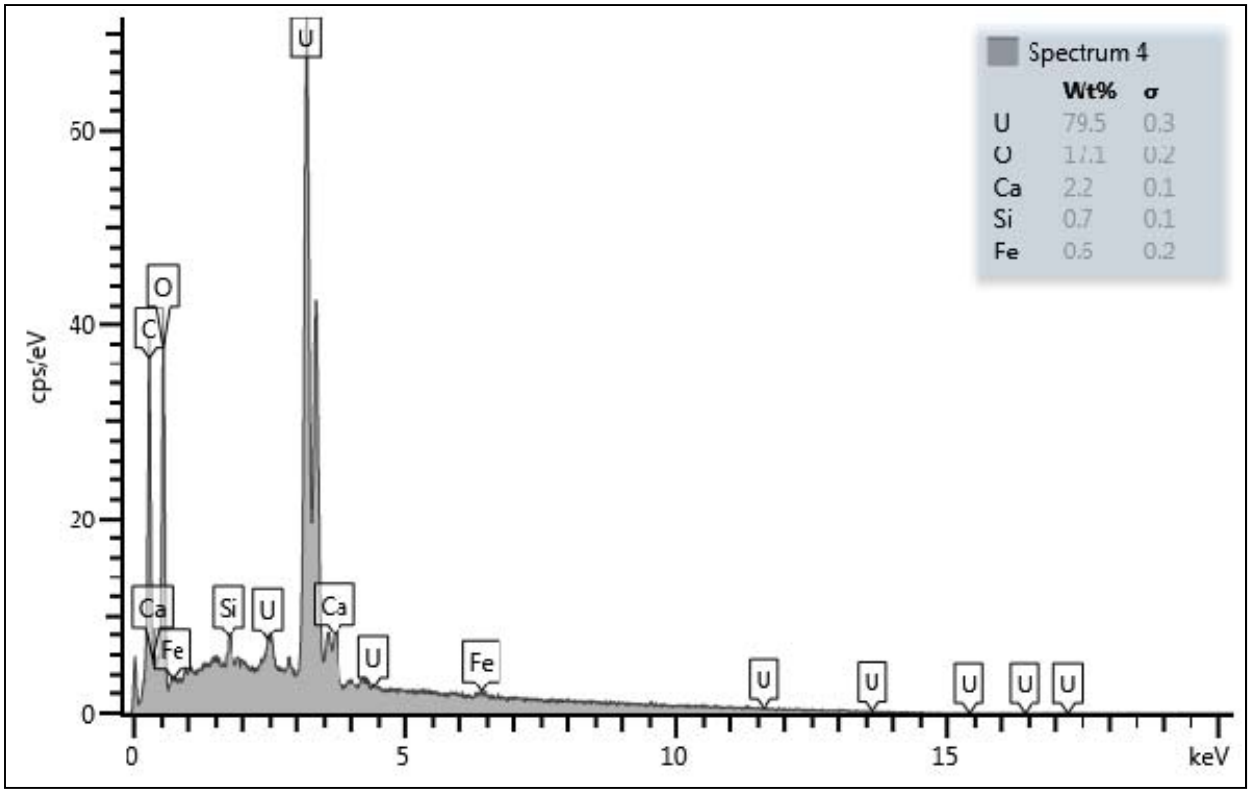
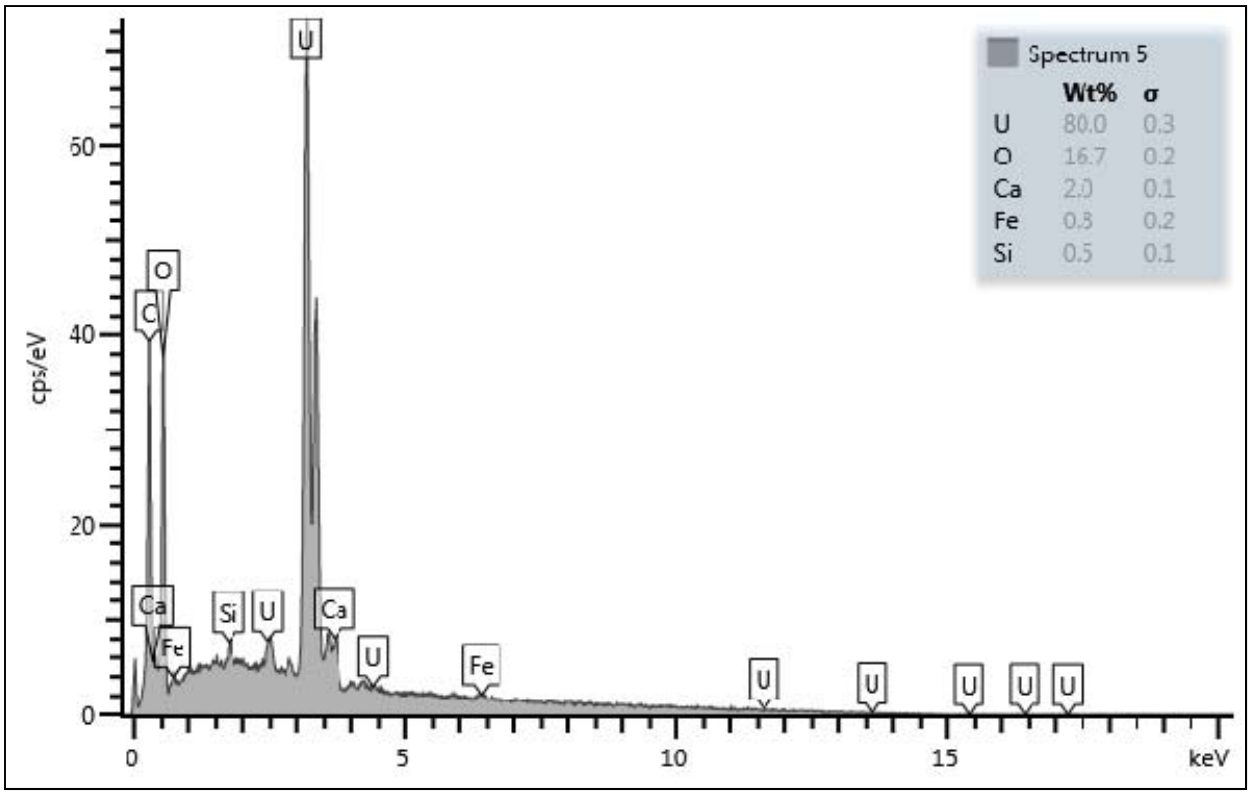
Daneros Mine Sample D-5

9/11/2012





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Daneros Mine Sample D-5

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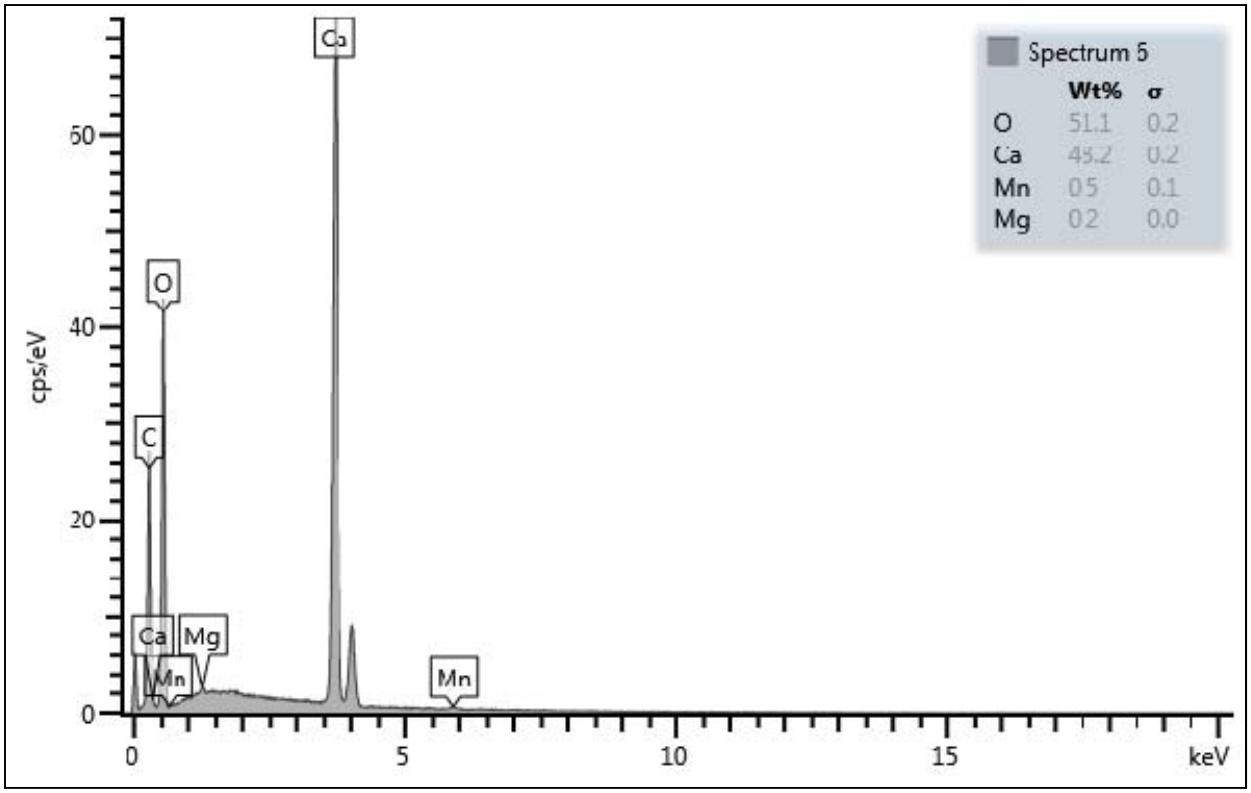

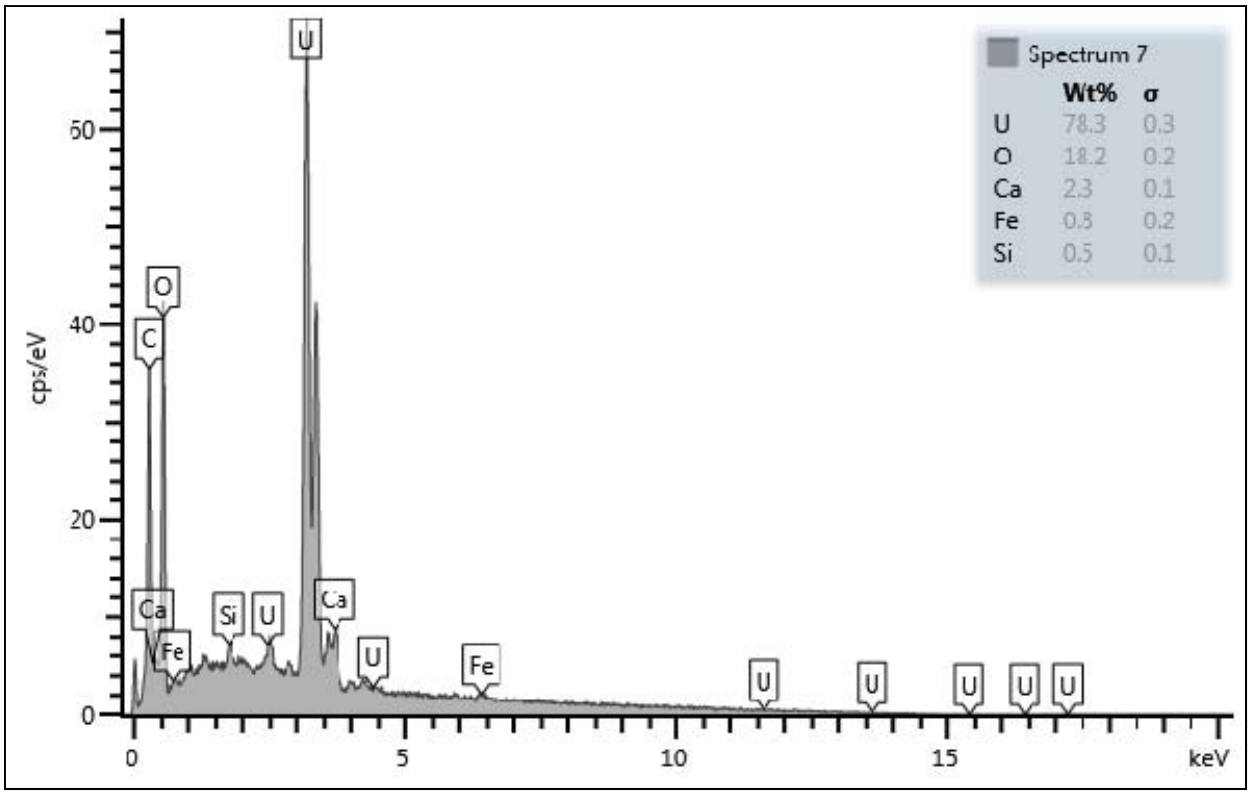

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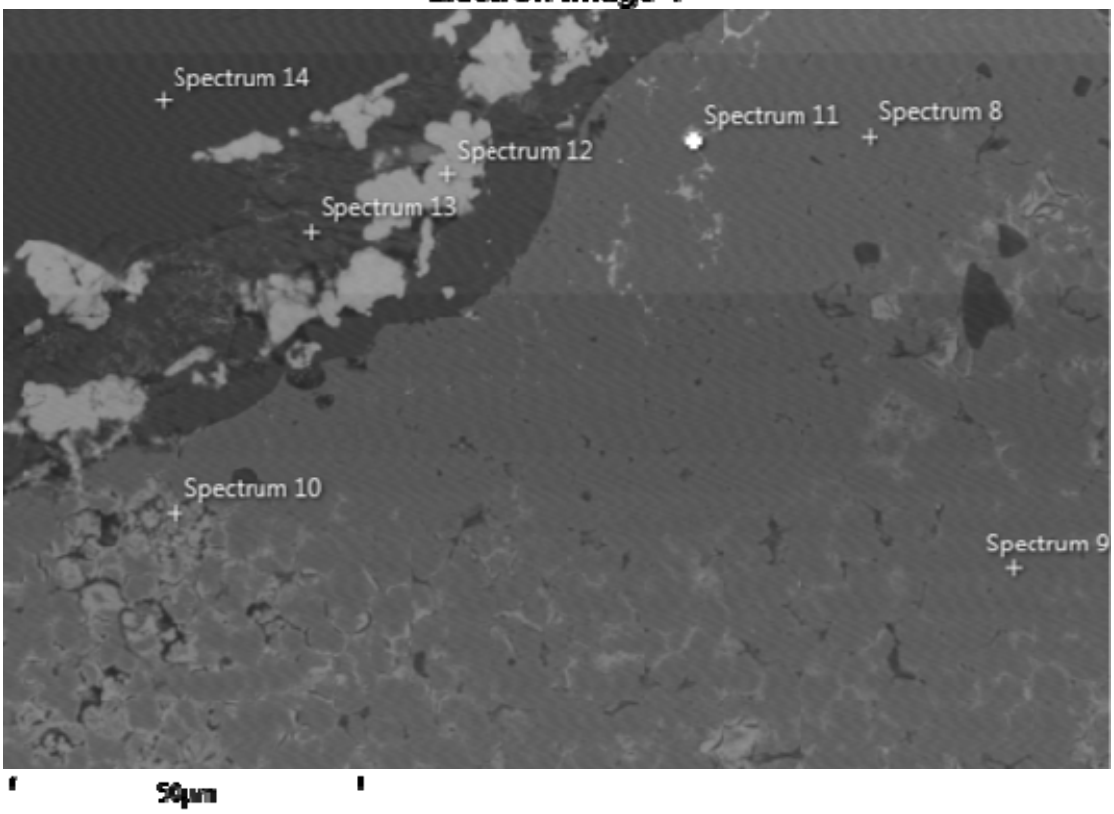
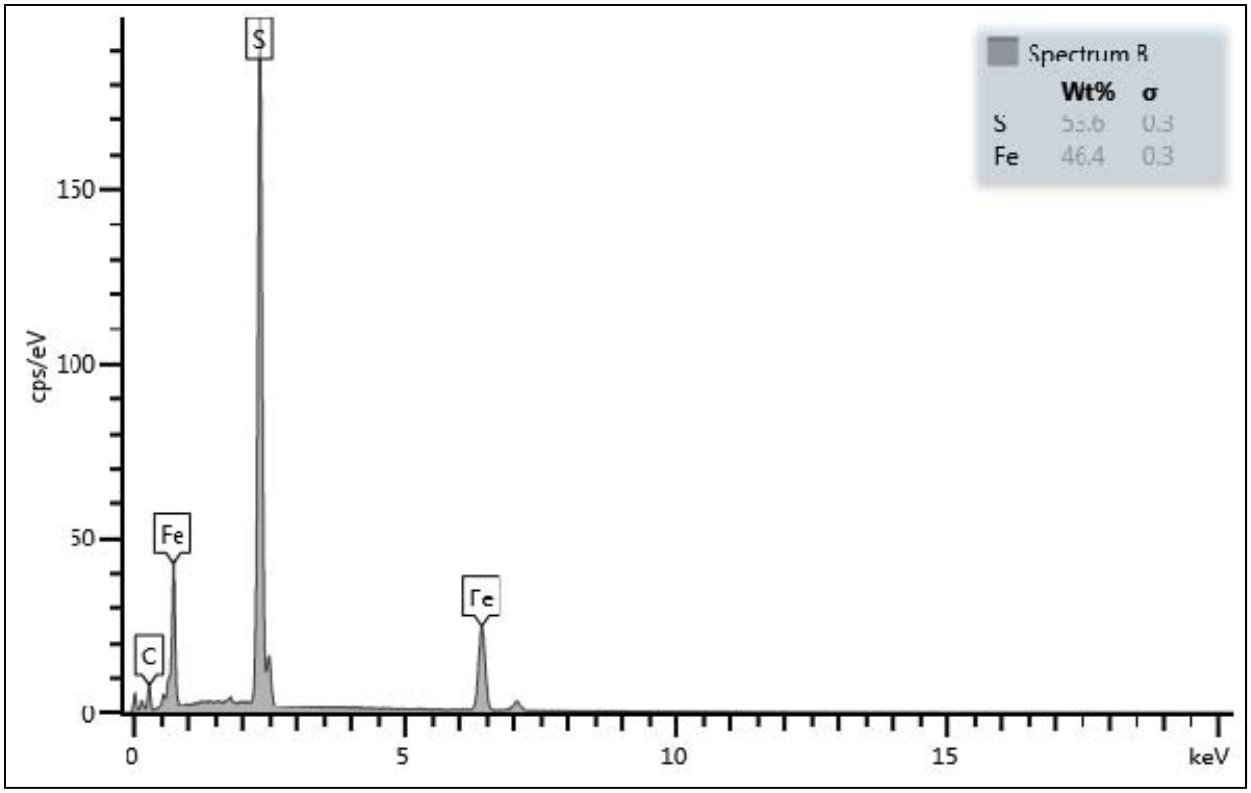
Electron Image 4





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Daneros Mine Sample D-5

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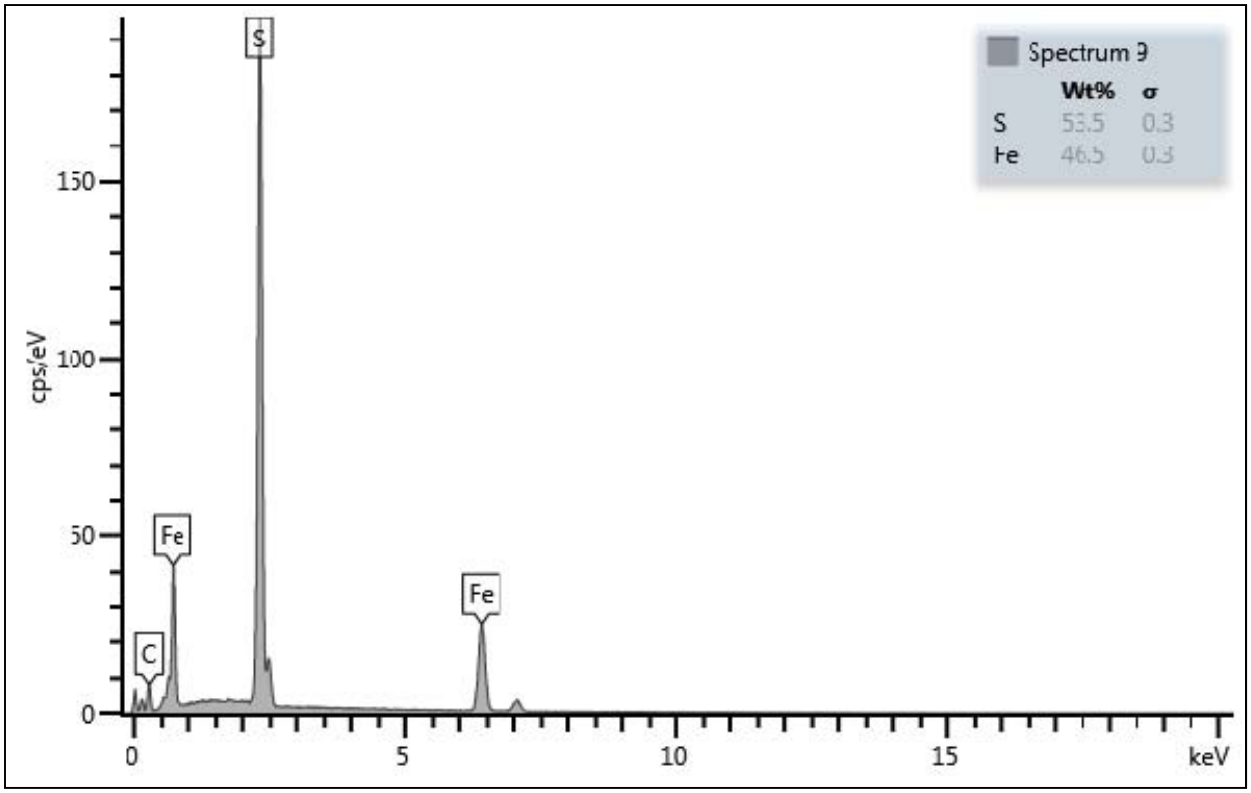

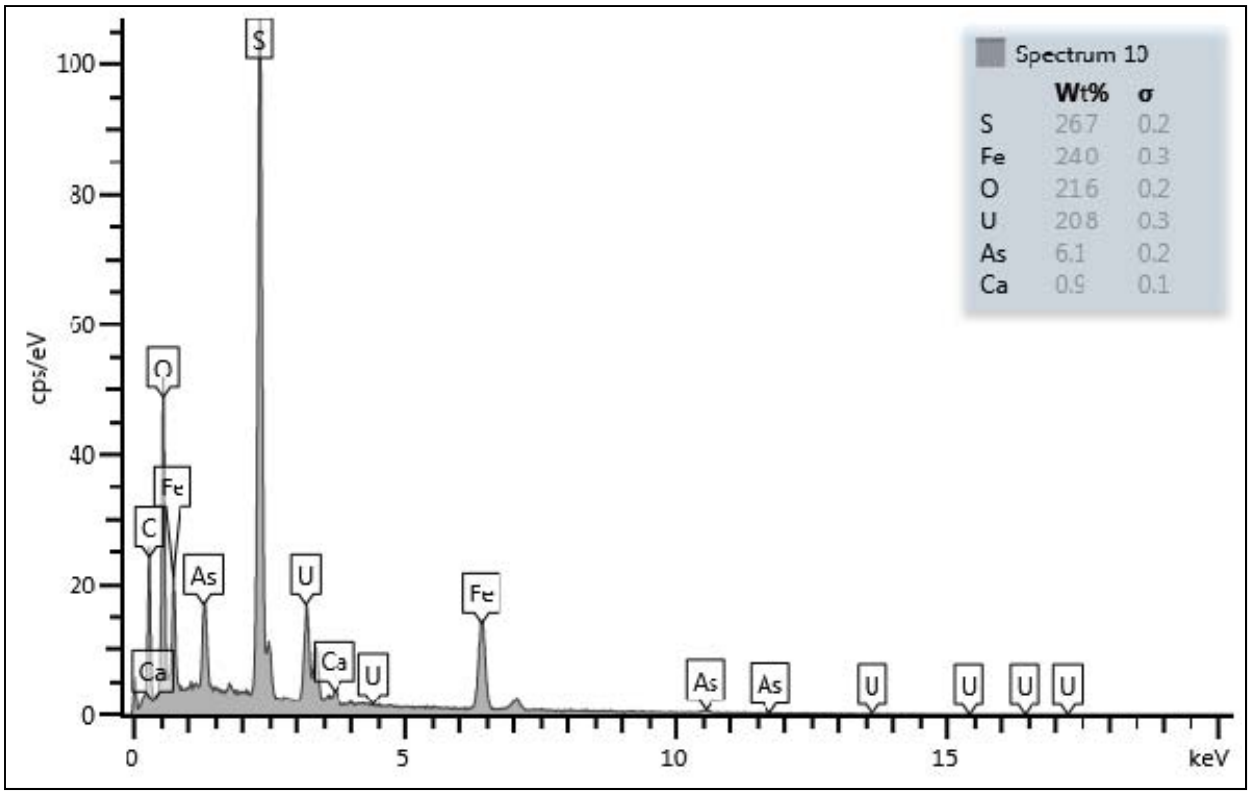

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Daneros Mine Sample D-5

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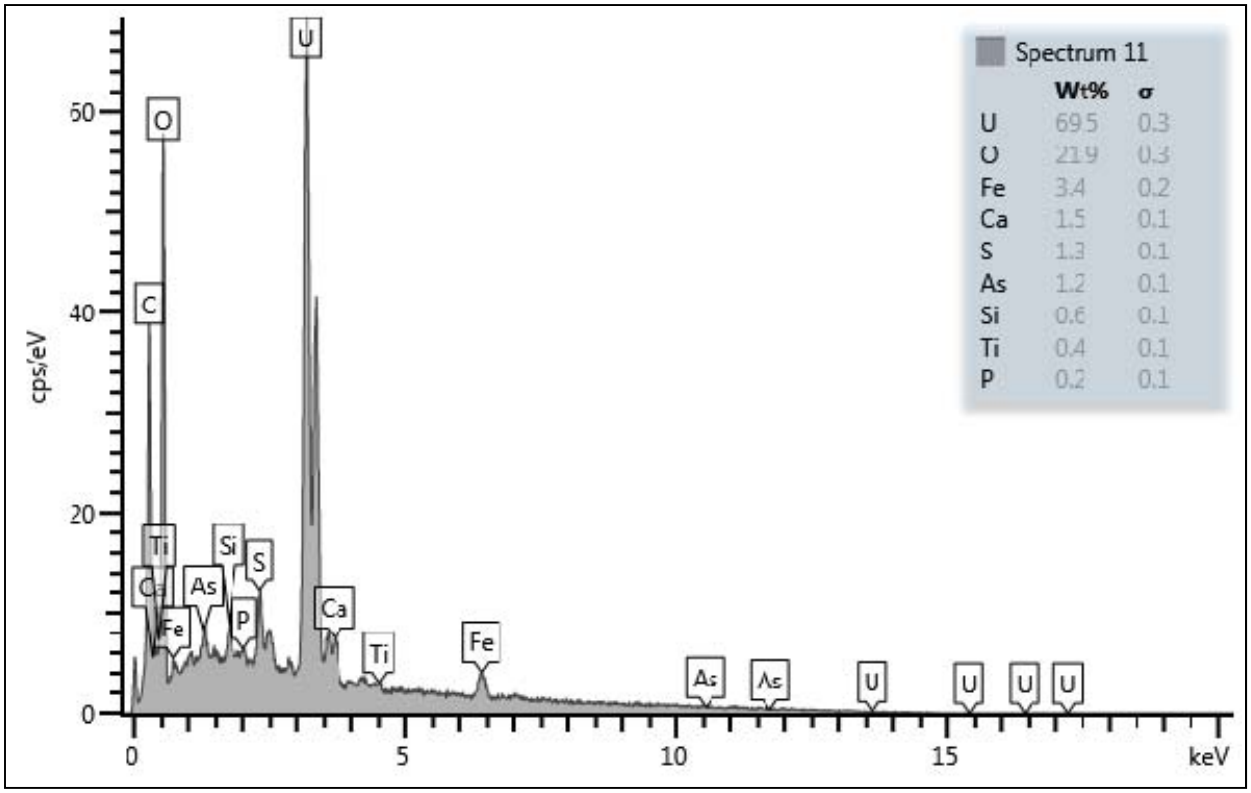

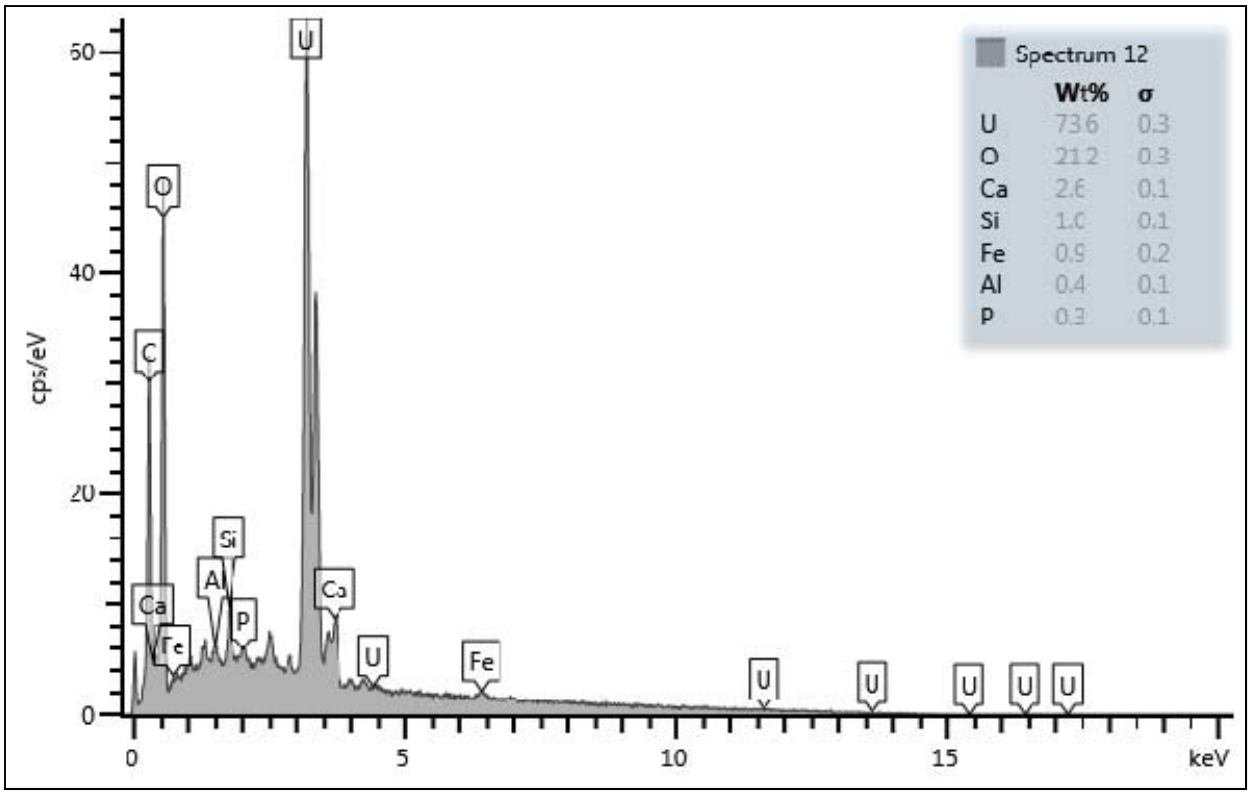

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Daneros Mine Sample D-5

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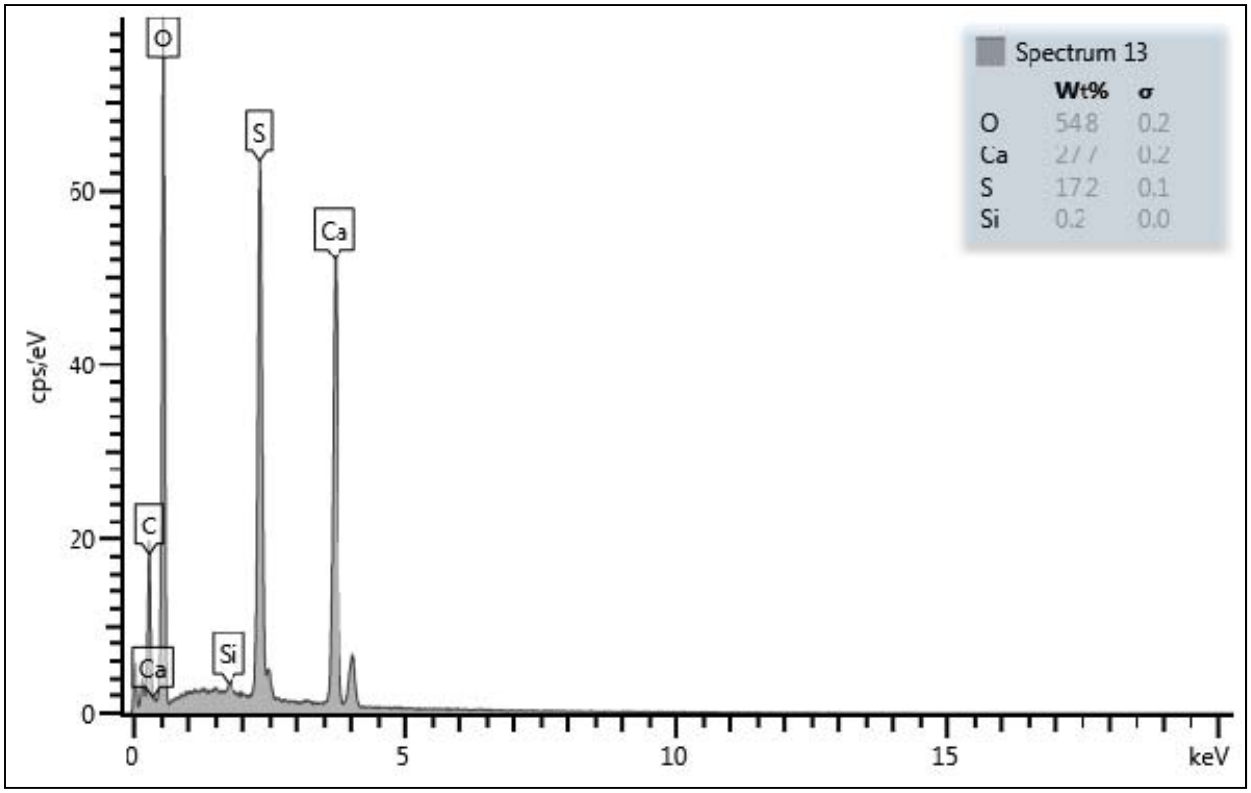

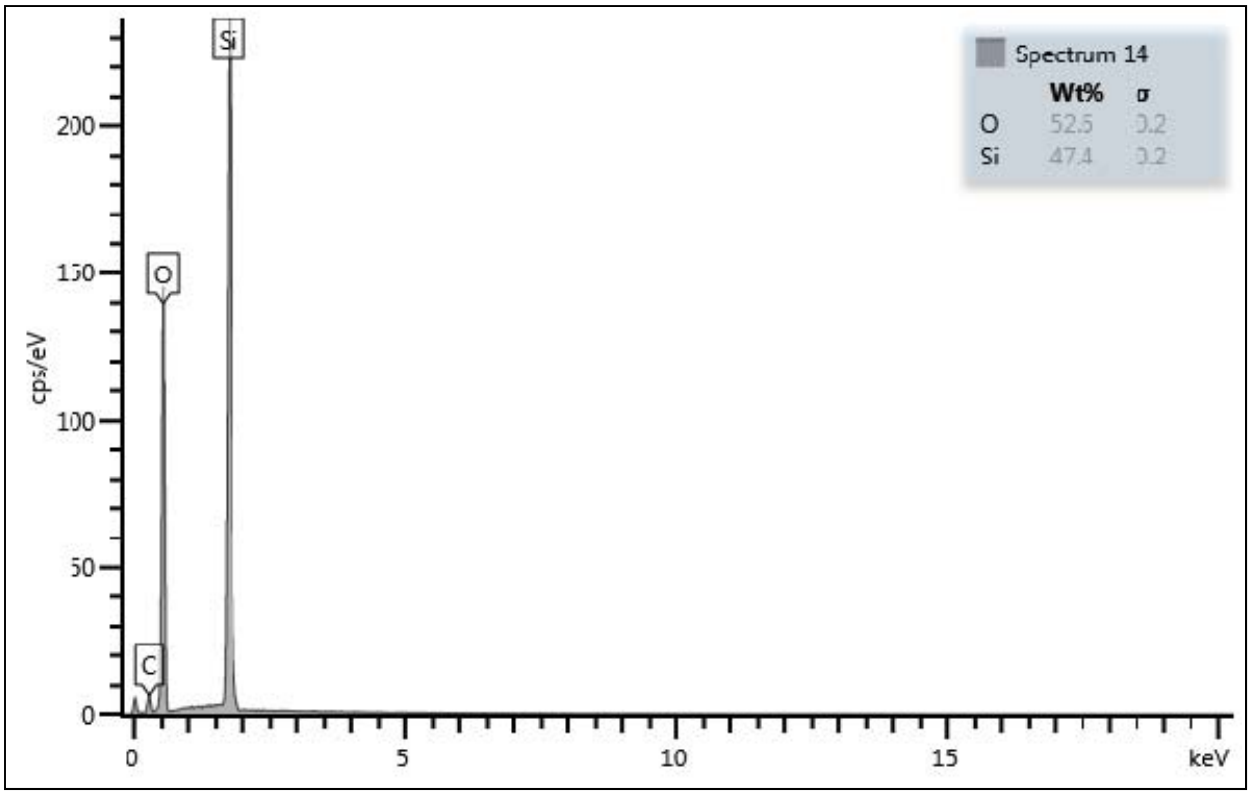

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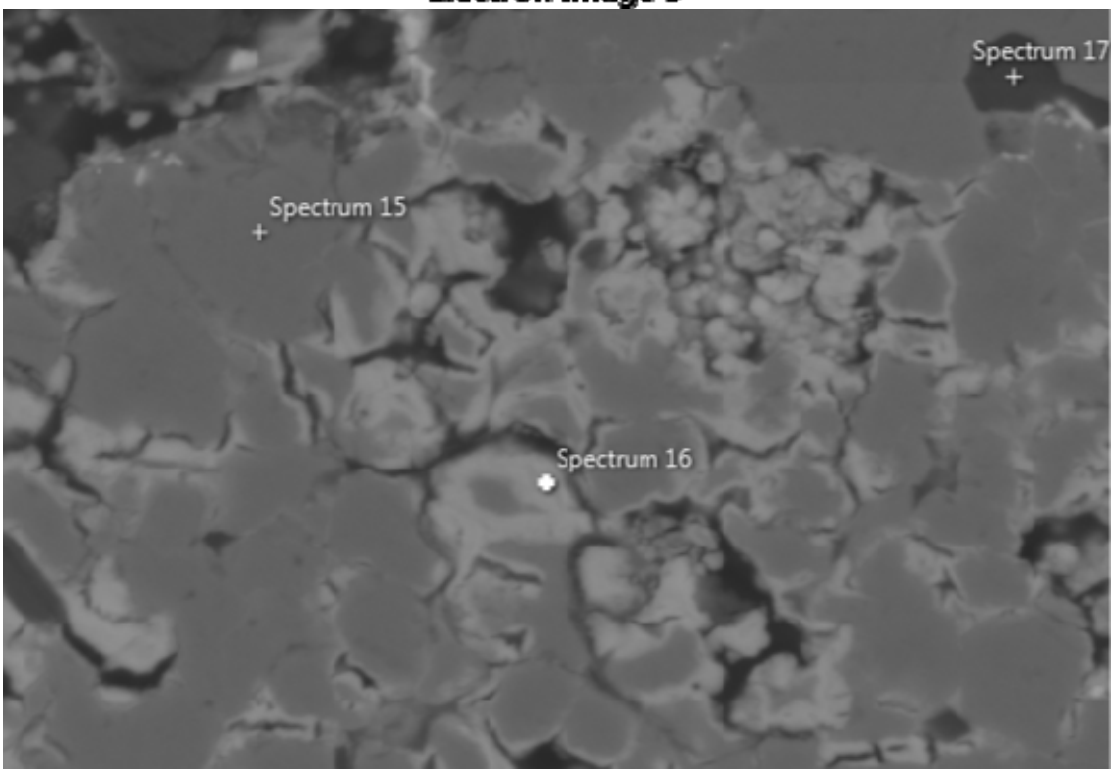
Electron Image 5



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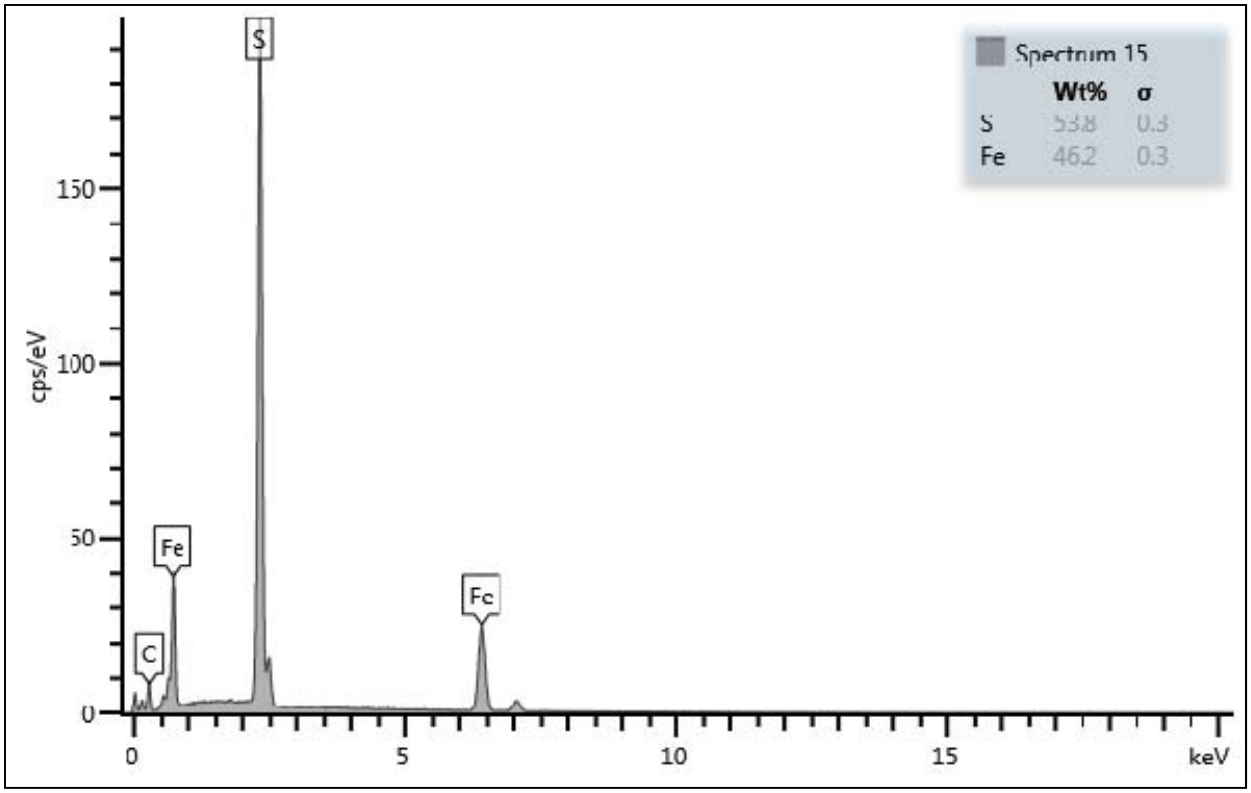

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Daneros Mine Sample D-5

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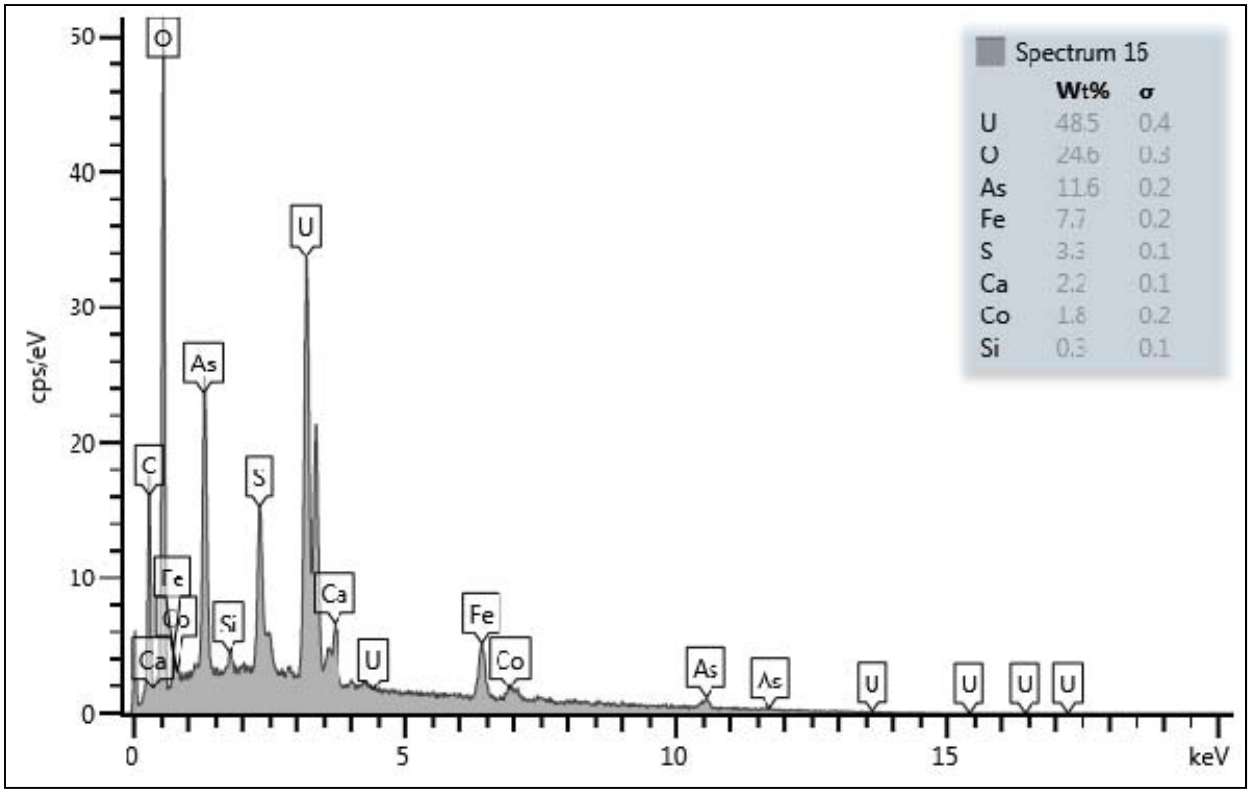

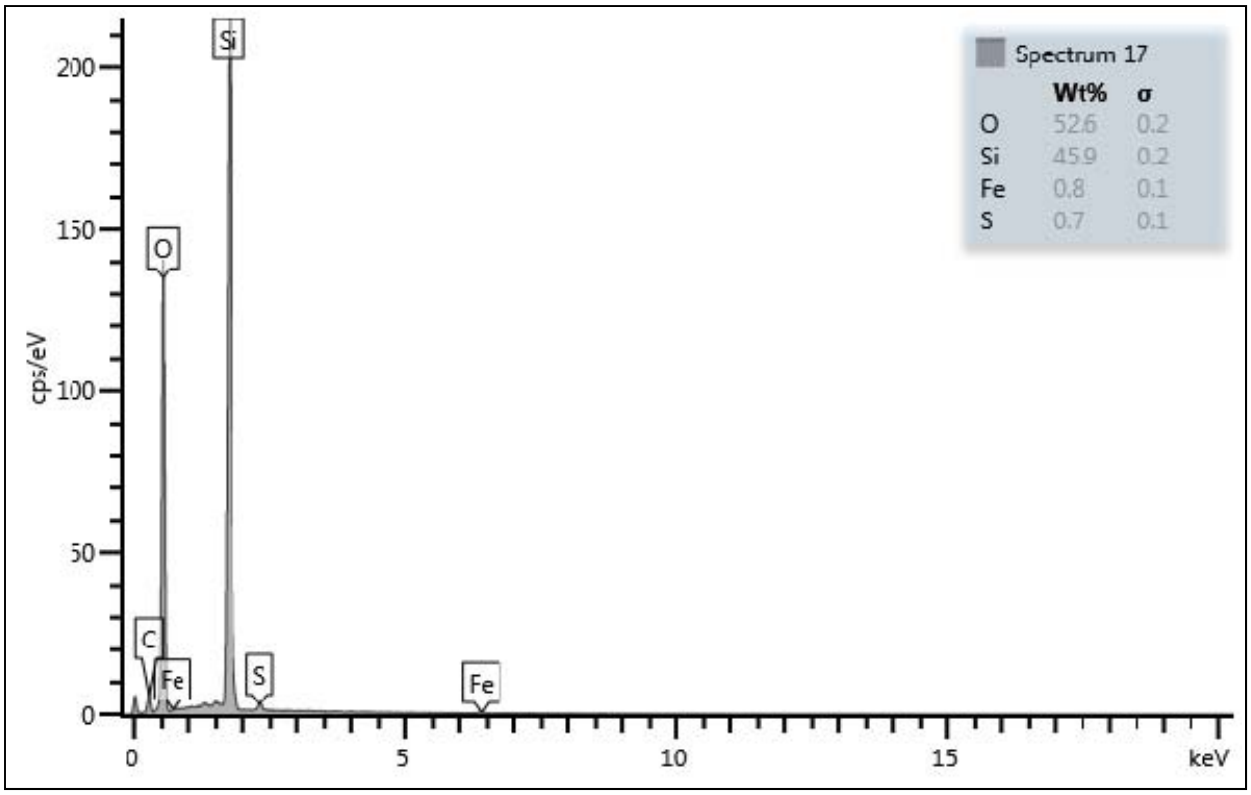

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Daneros Mine Sample D-5

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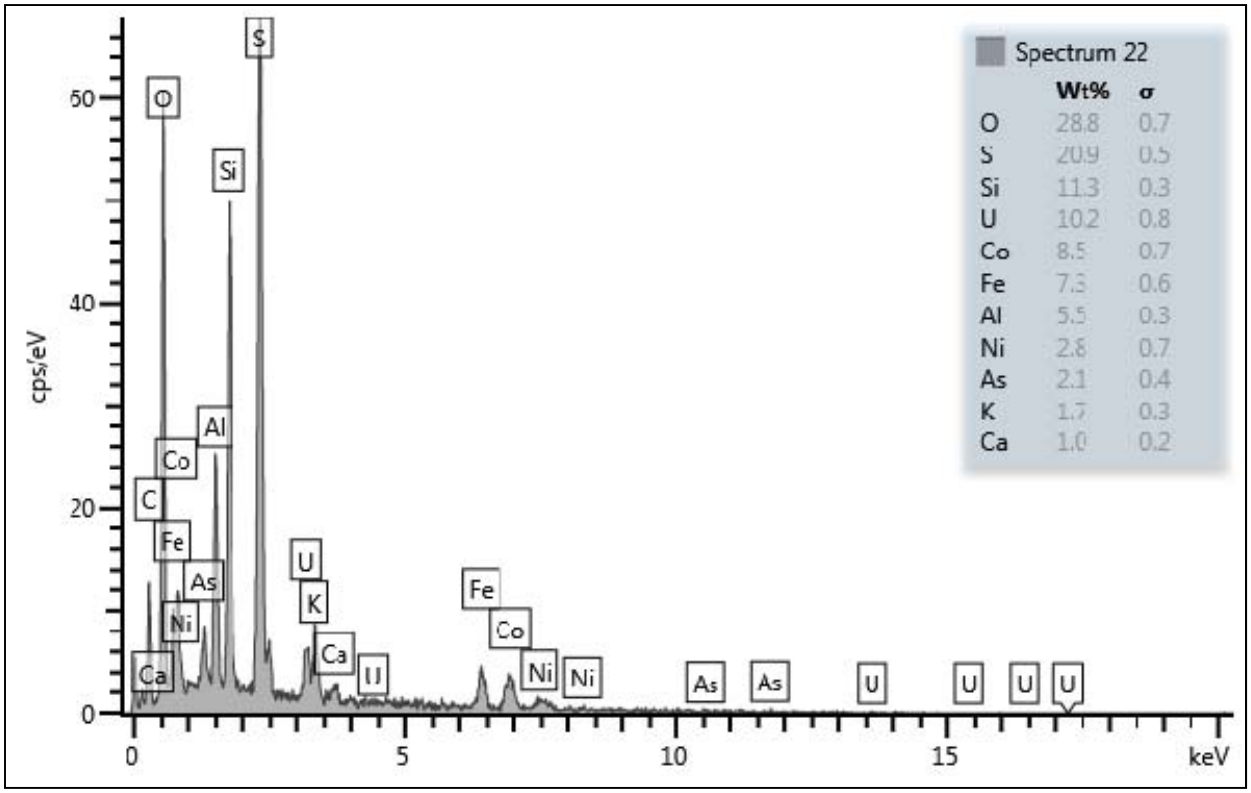

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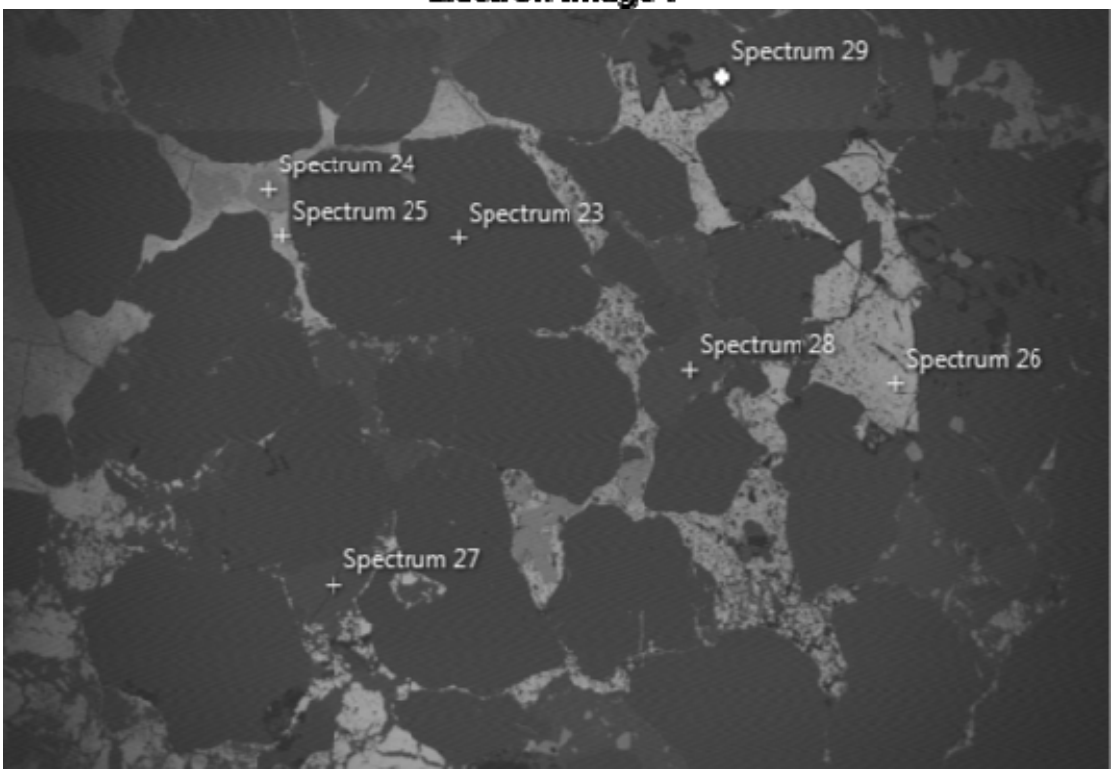
Electron Image 7



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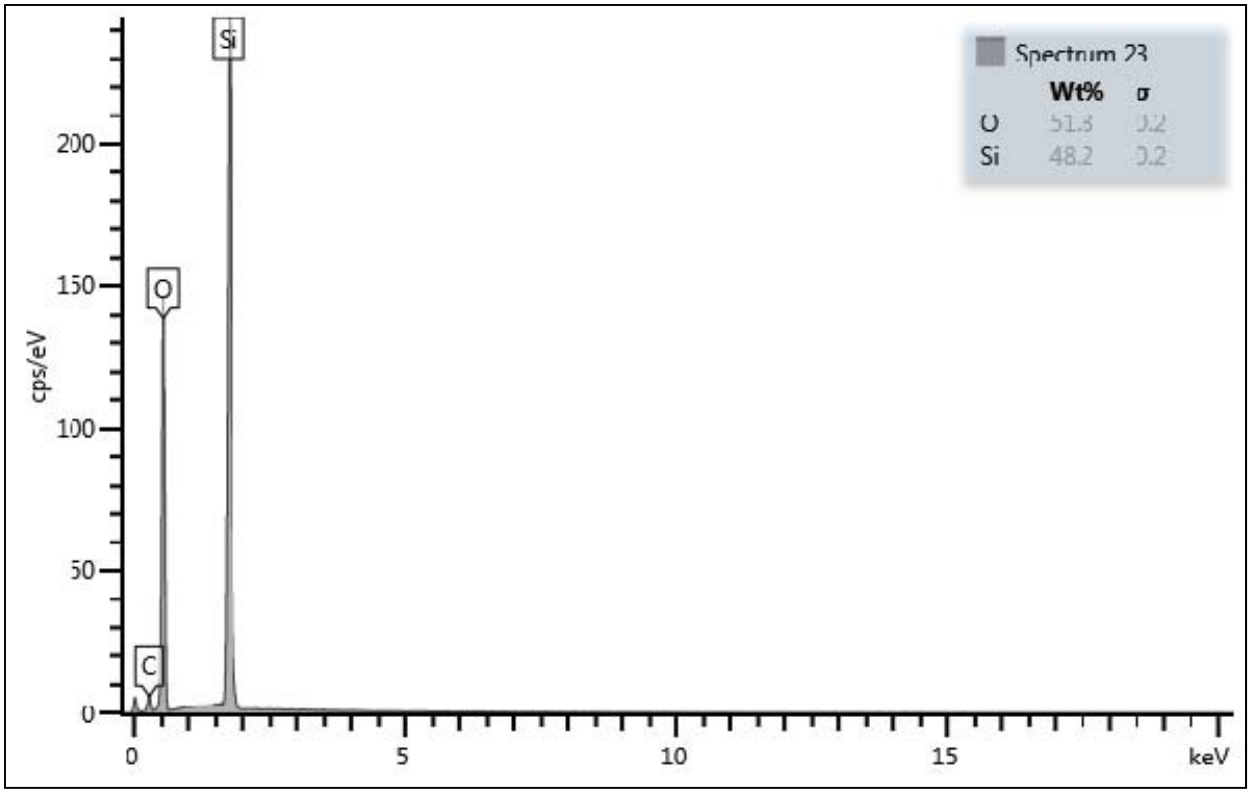

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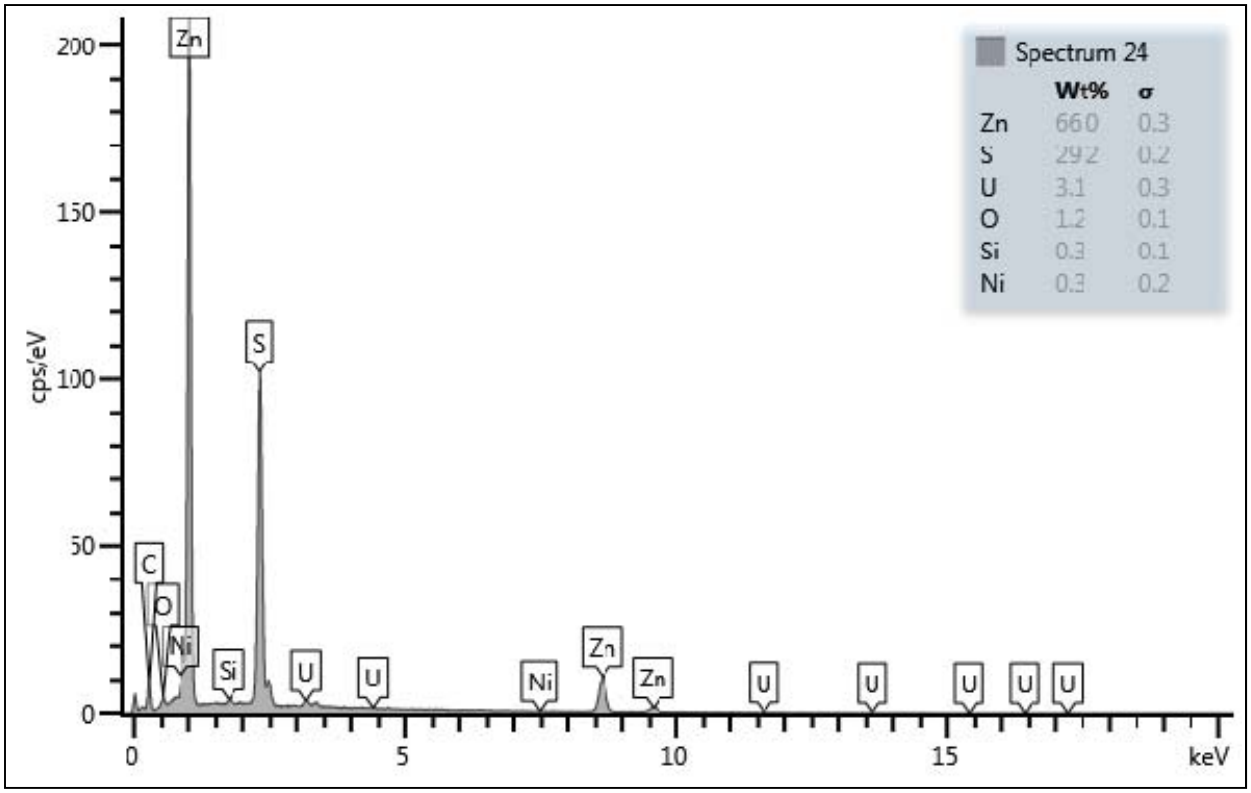
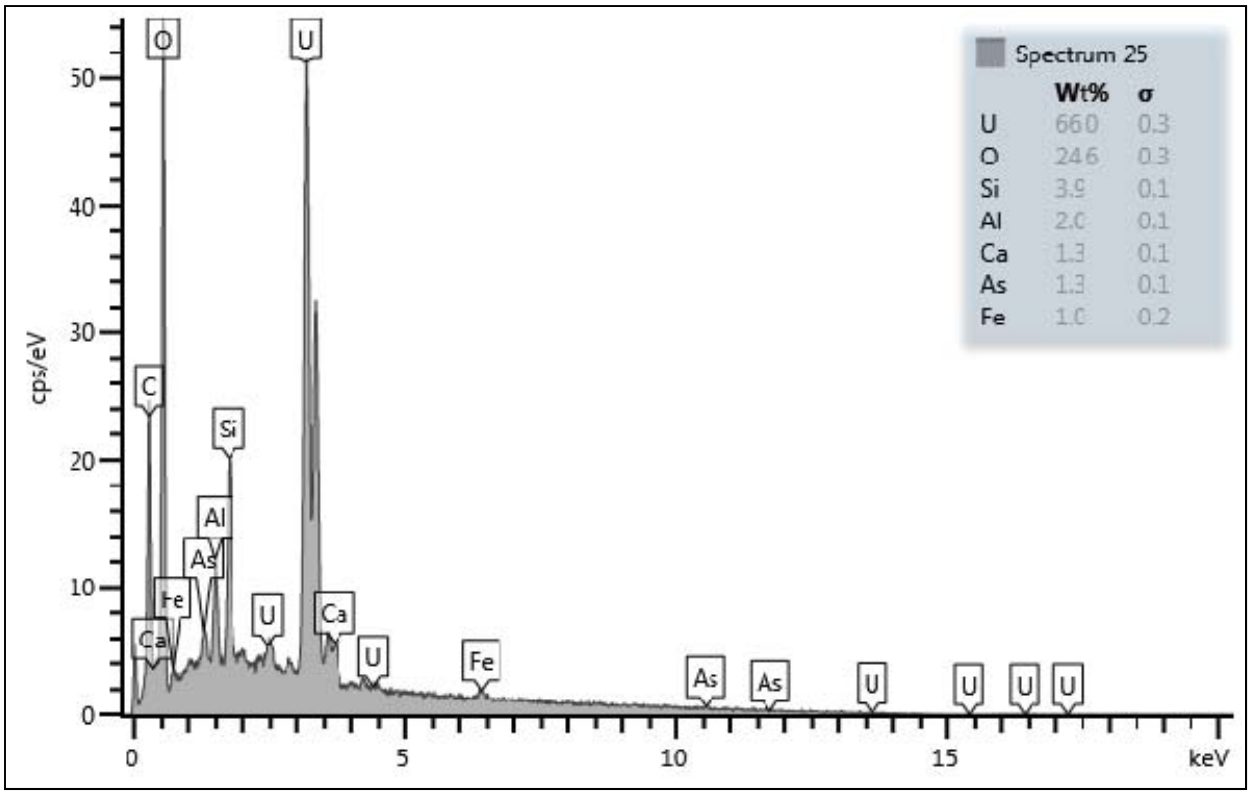
Daneros Mine Sample D-5

9/11/2012





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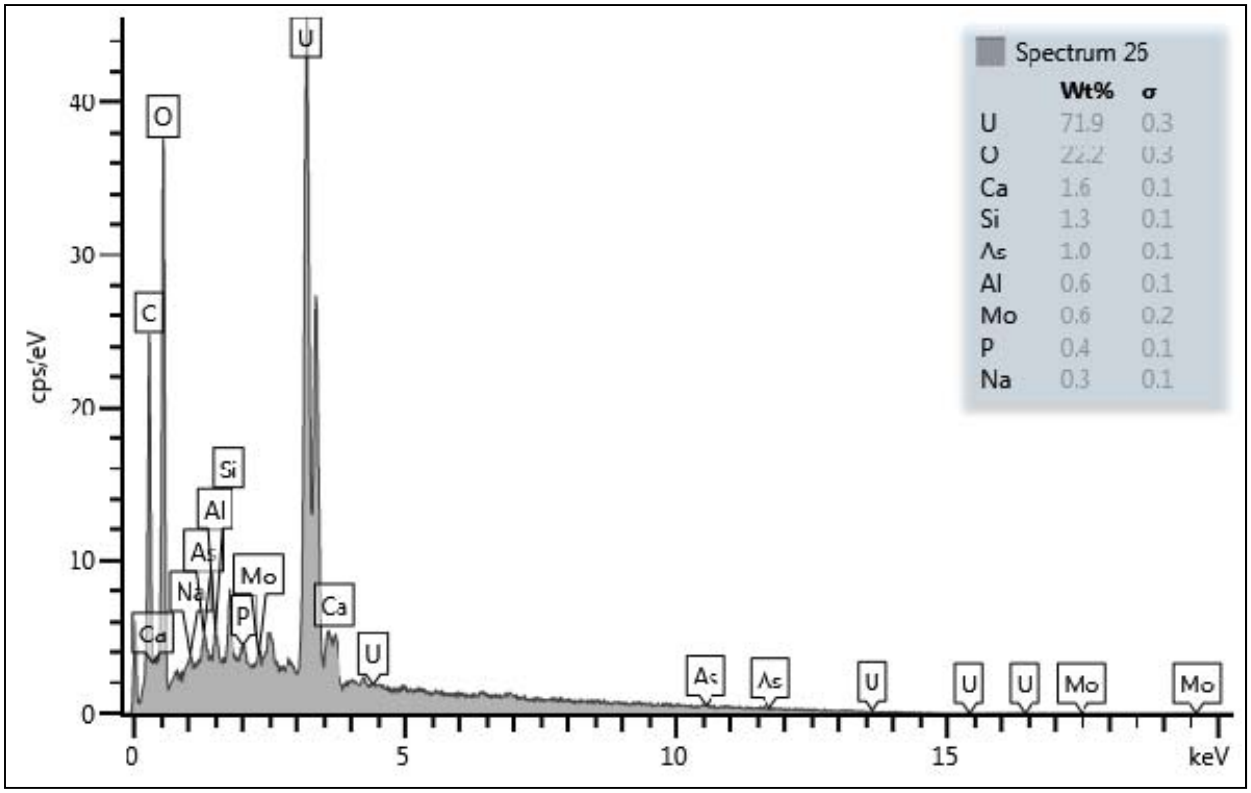
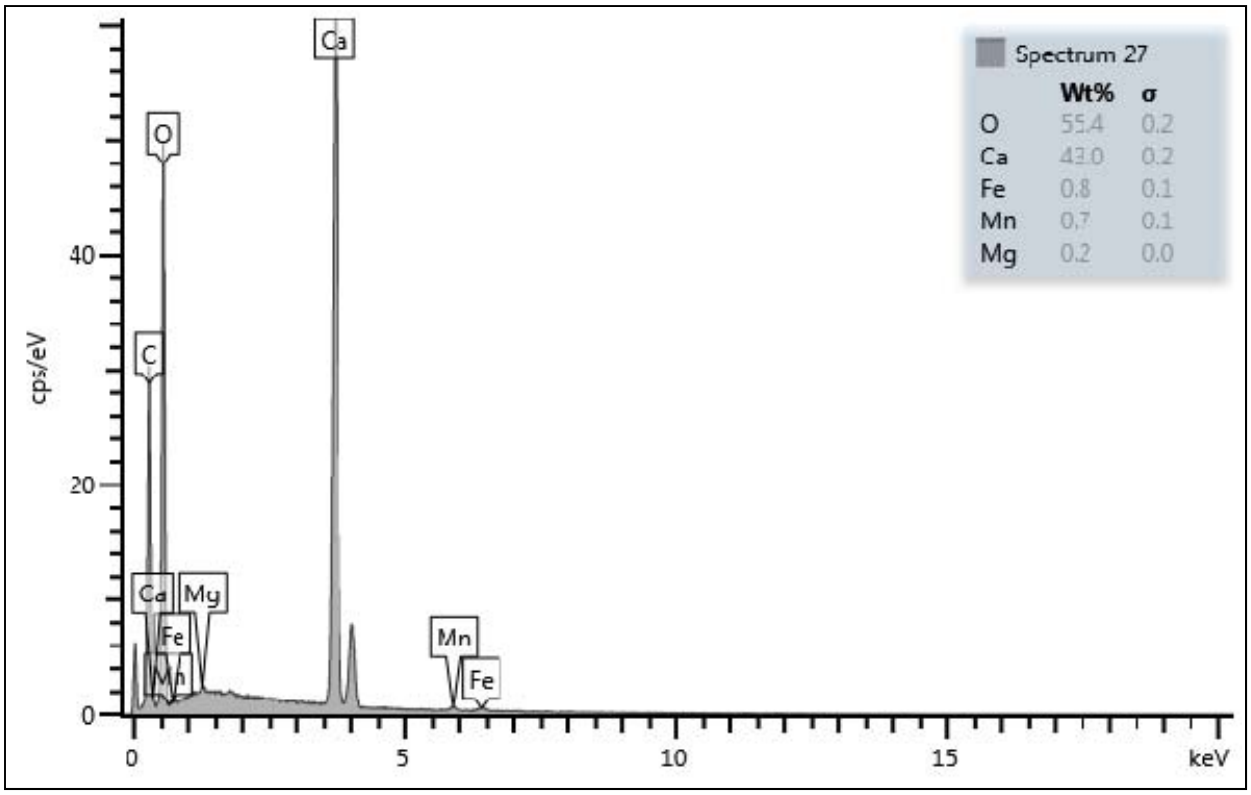
Daneros Mine Sample D-5

9/11/2012





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Daneros Mine Sample D-5

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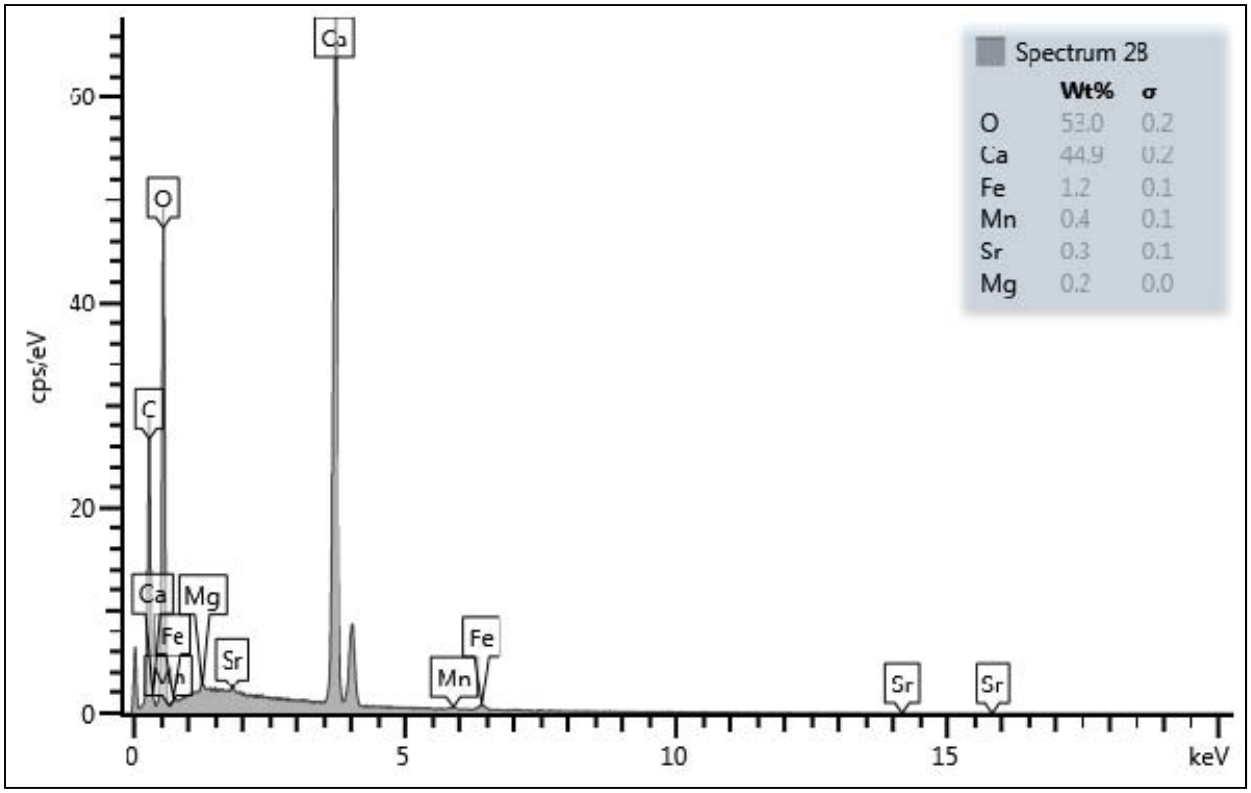

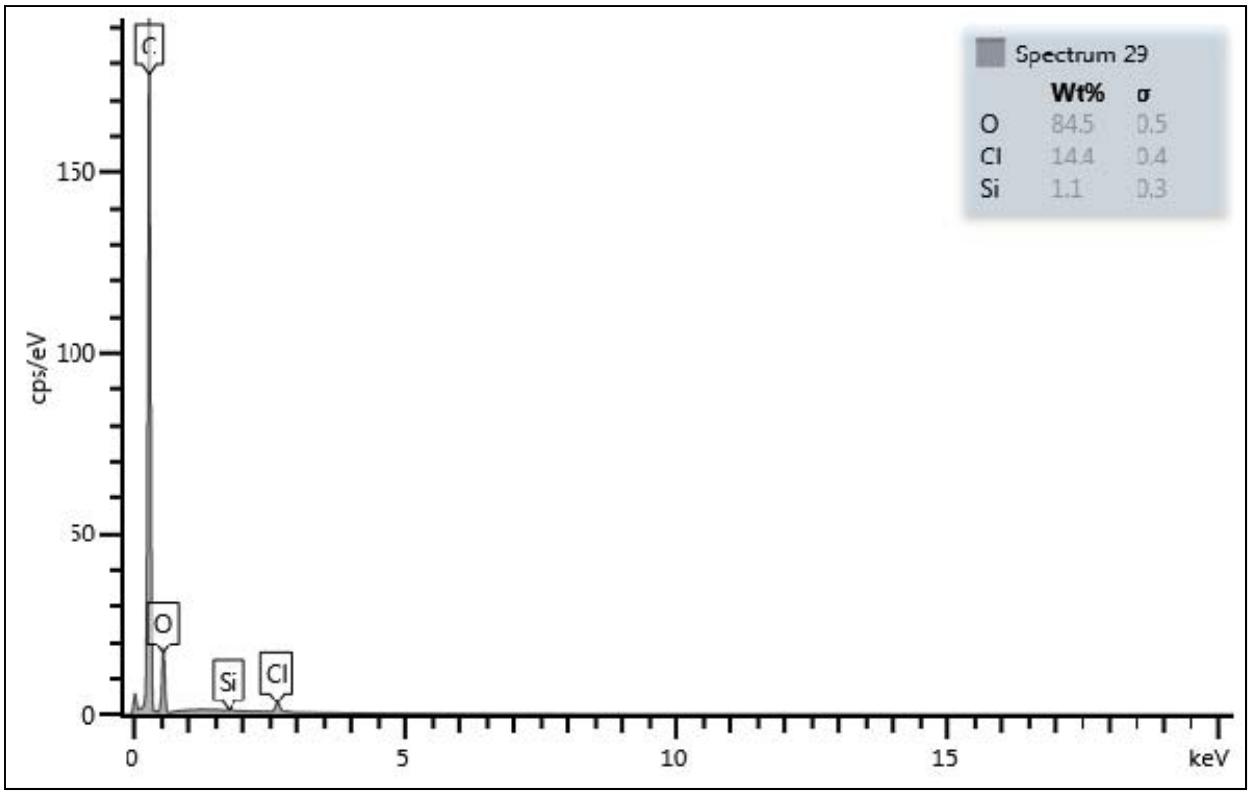

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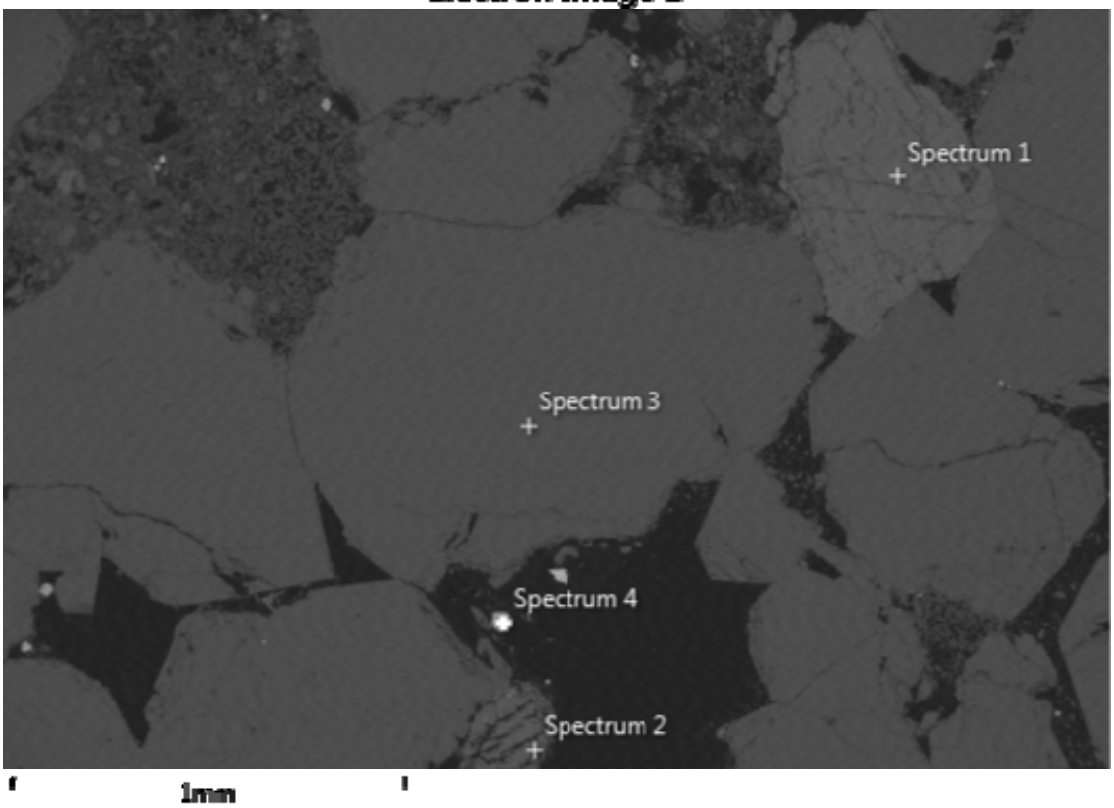
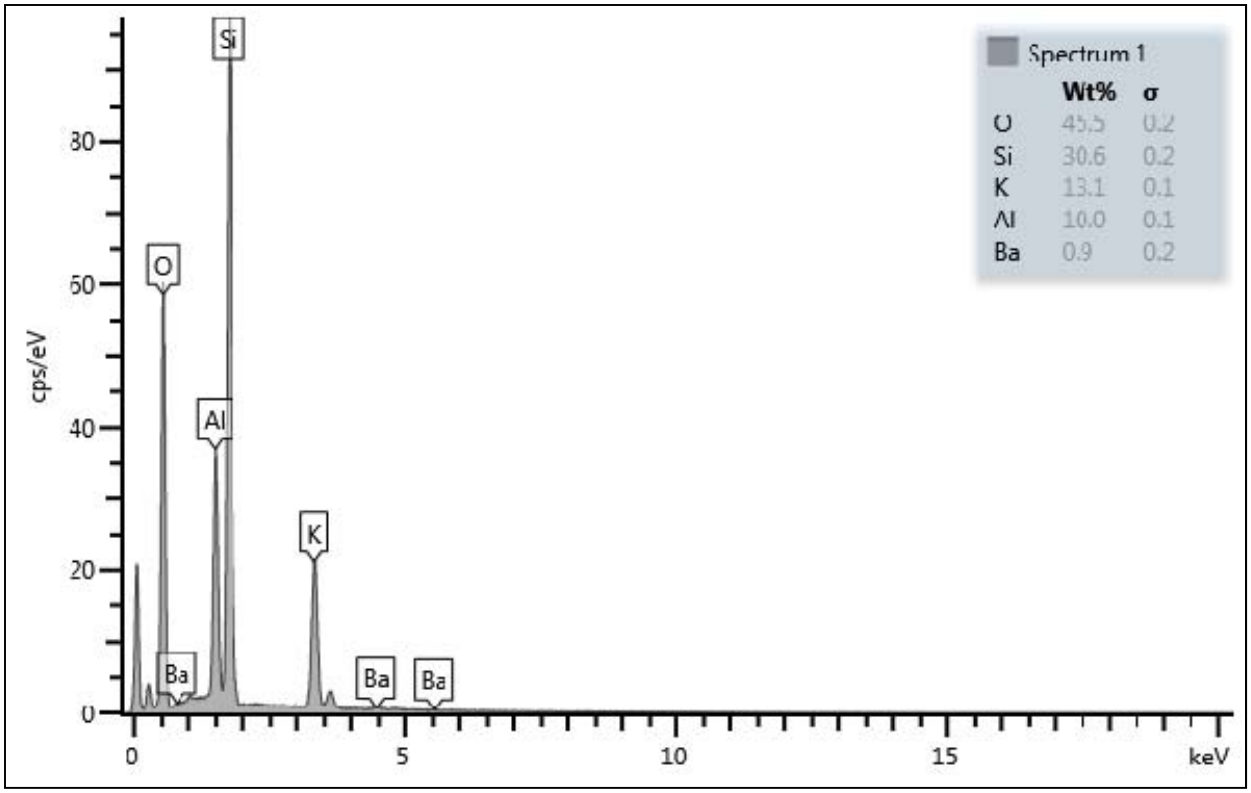
Daneros Mine Sample D-6 9/11/2012

Electron Image 1





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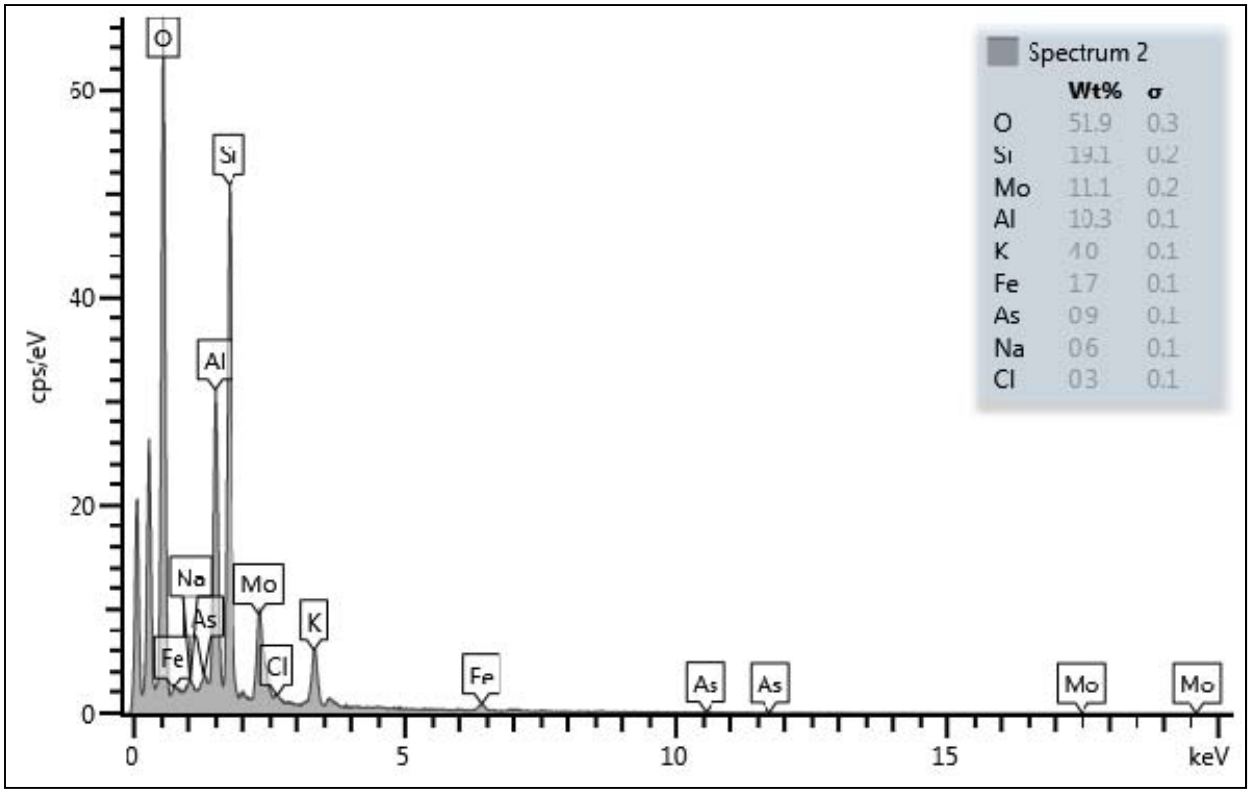

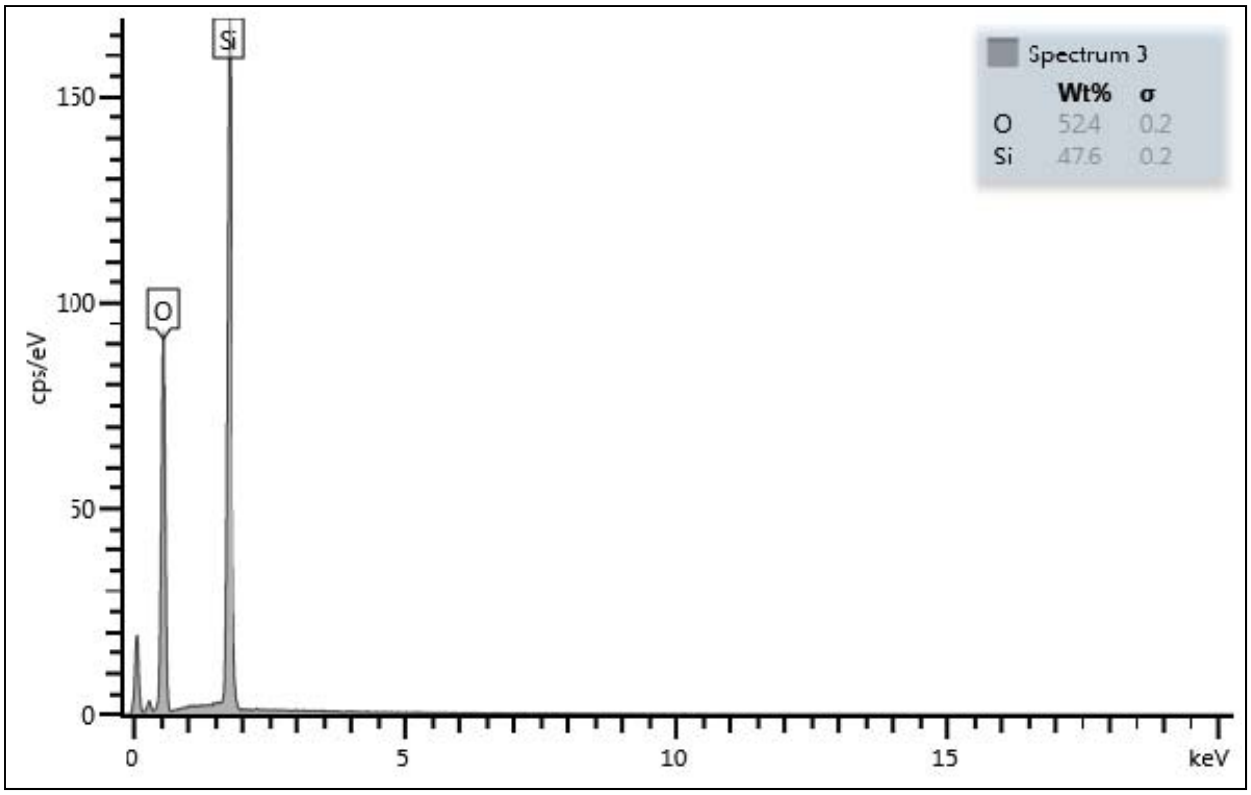

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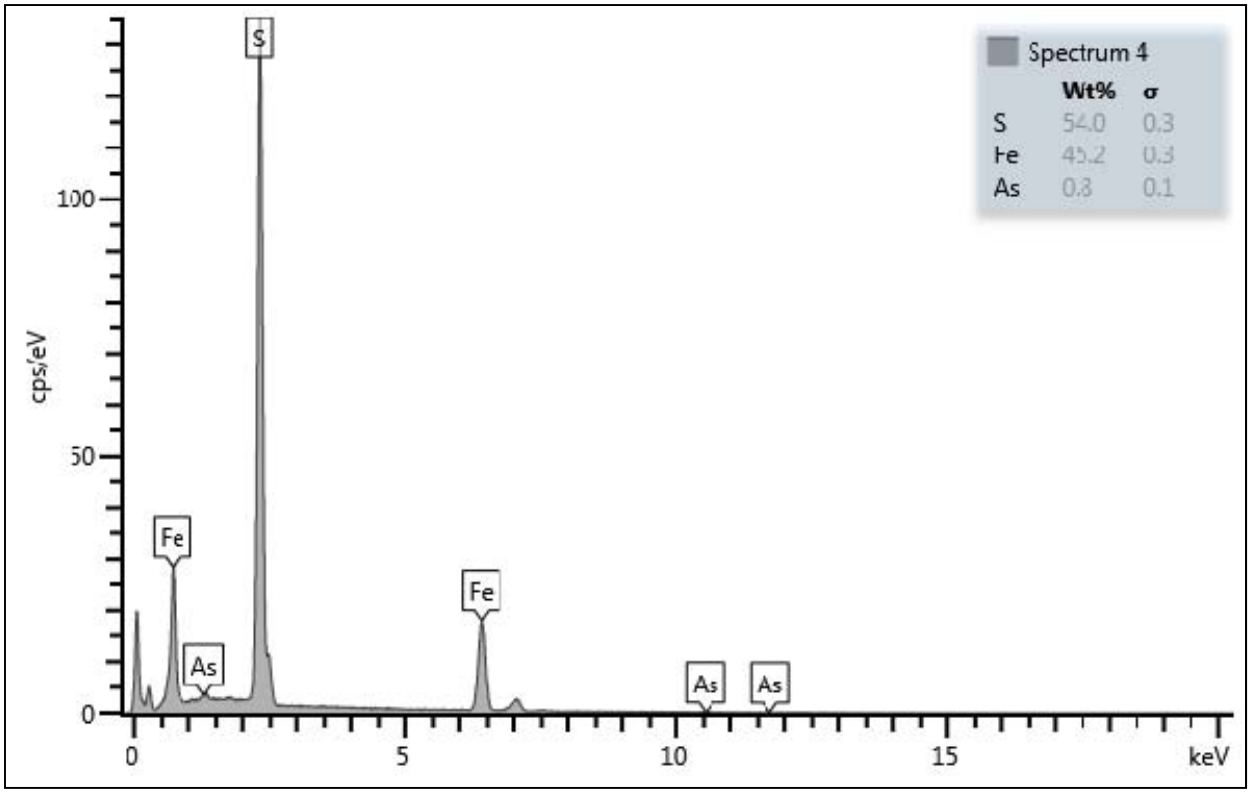

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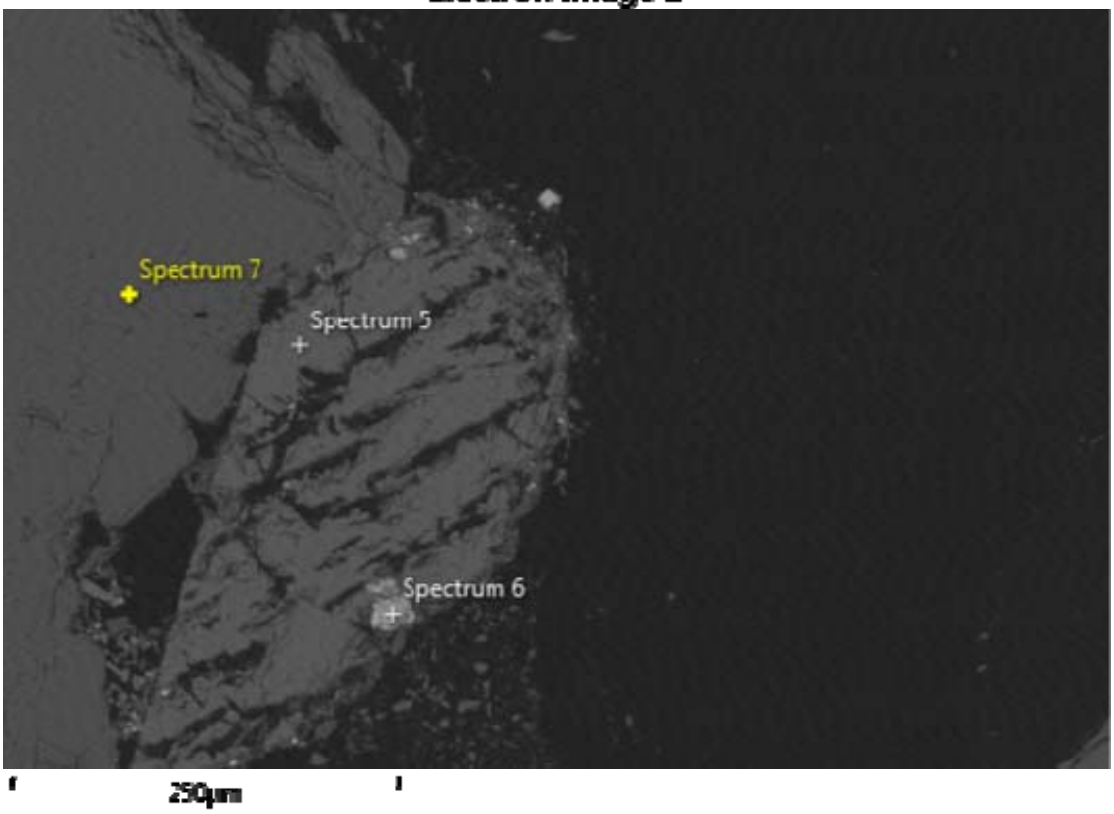
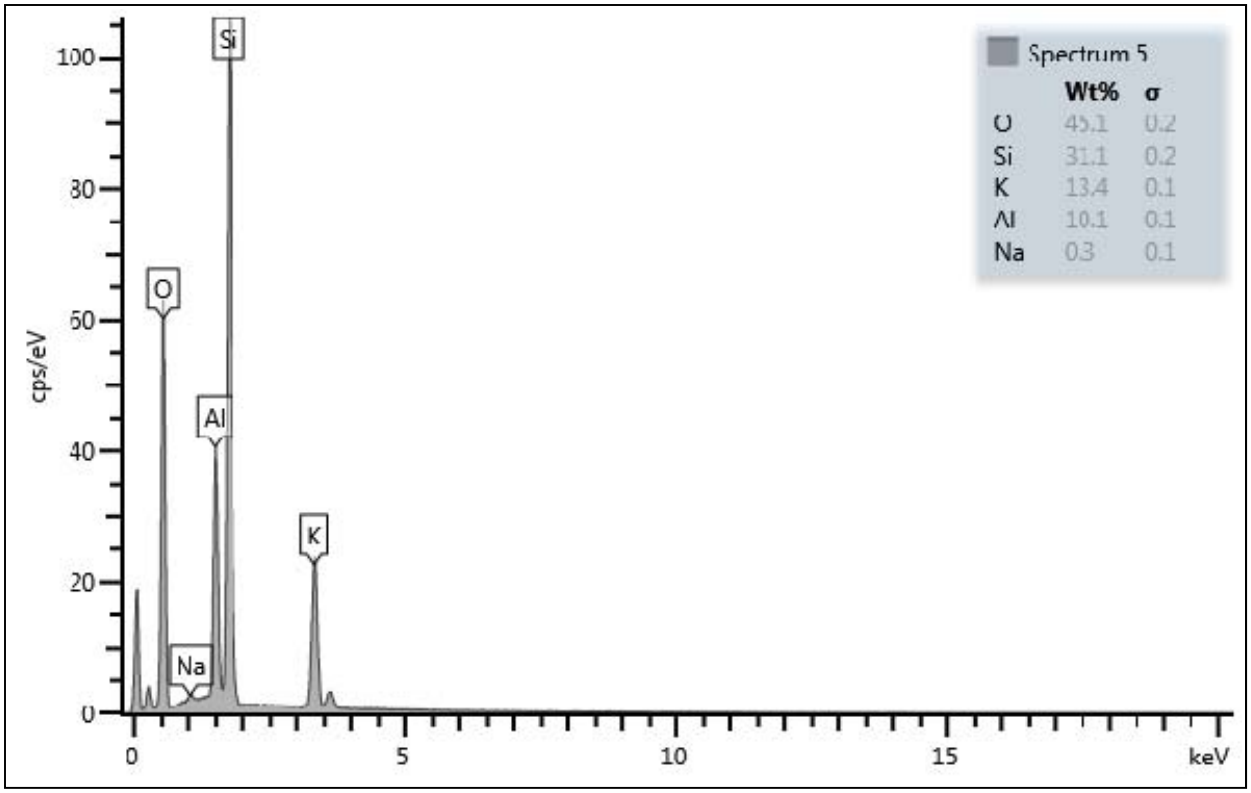
Electron Image 2





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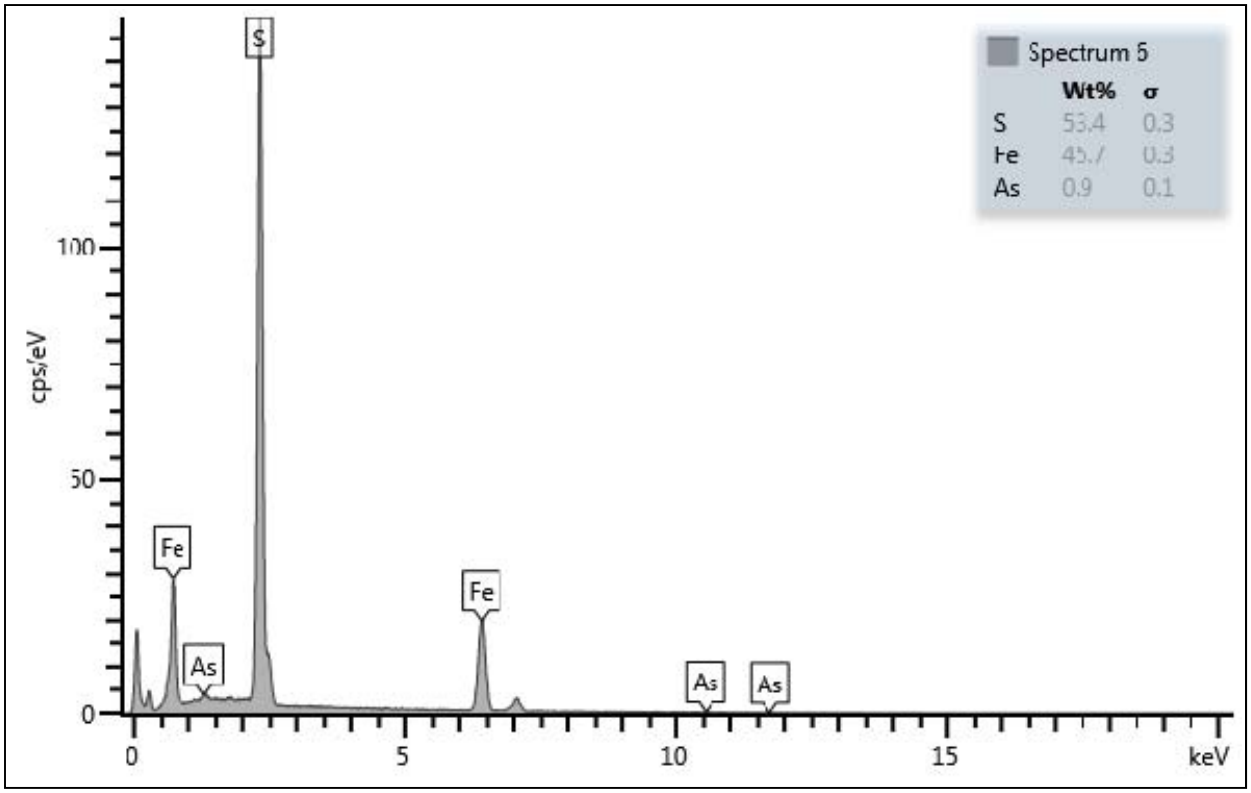

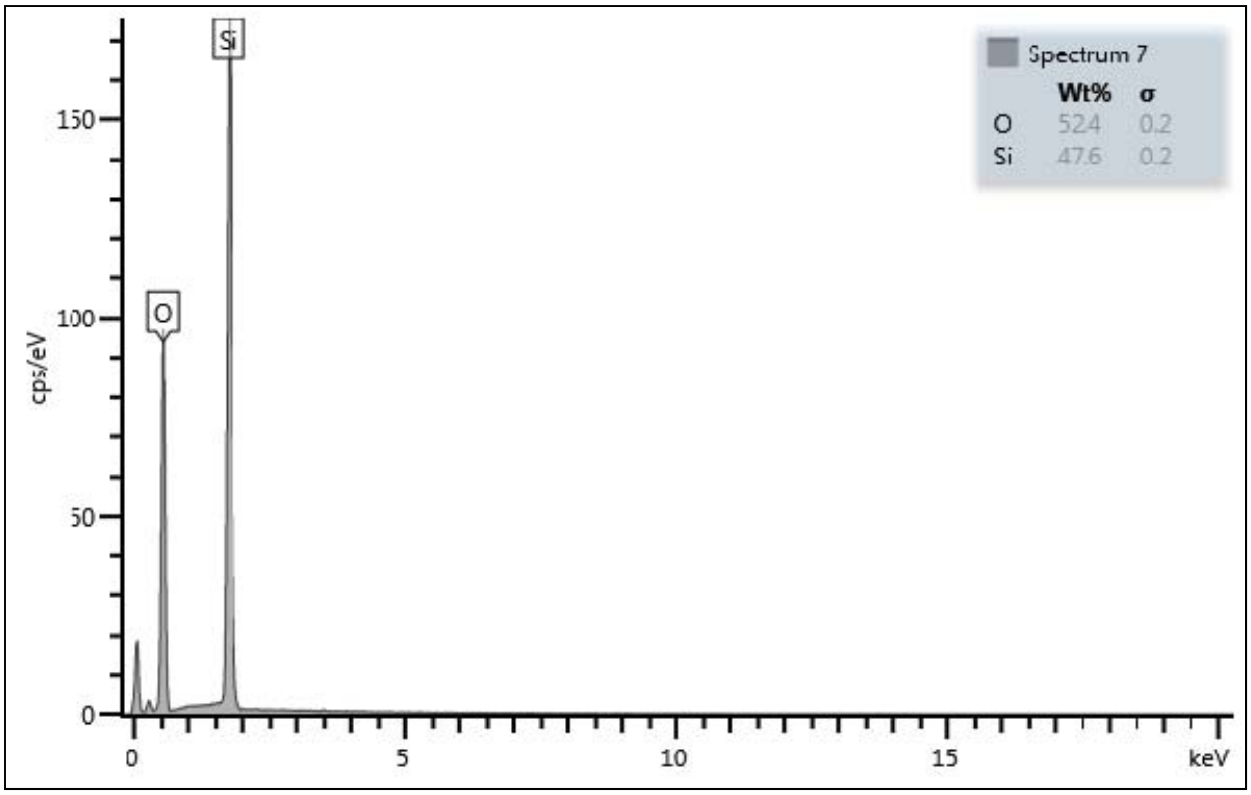

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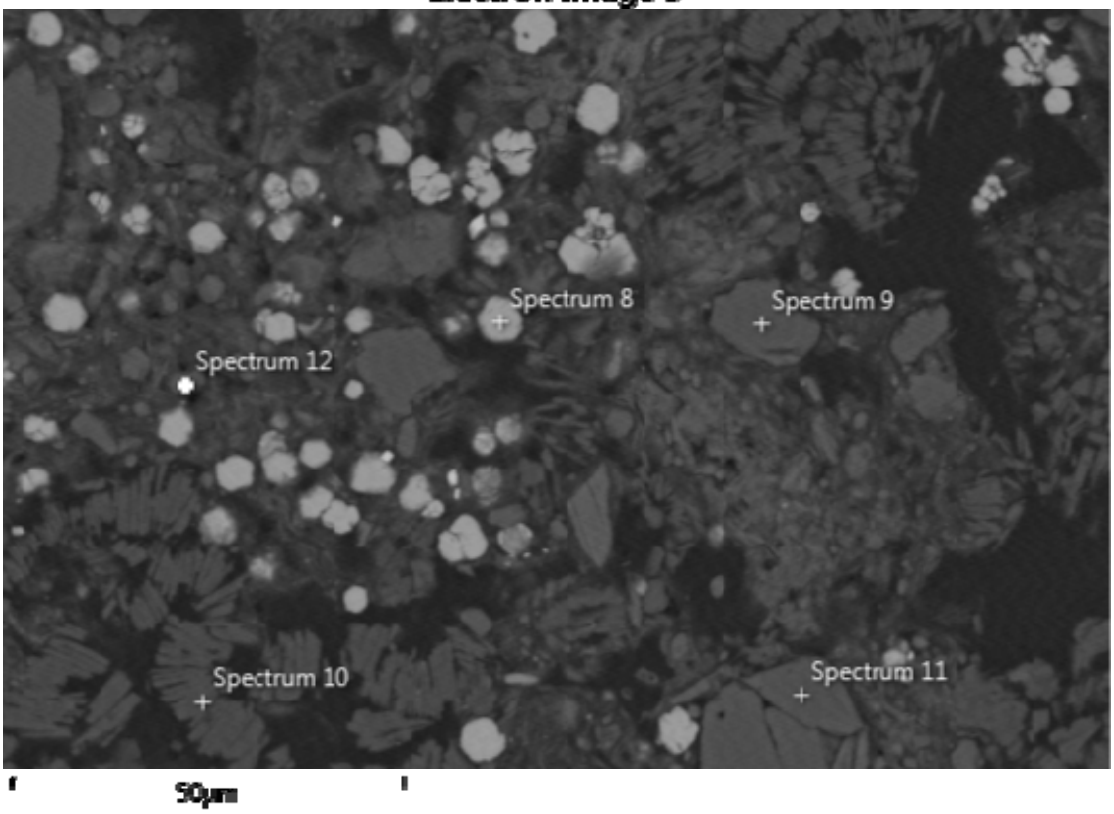
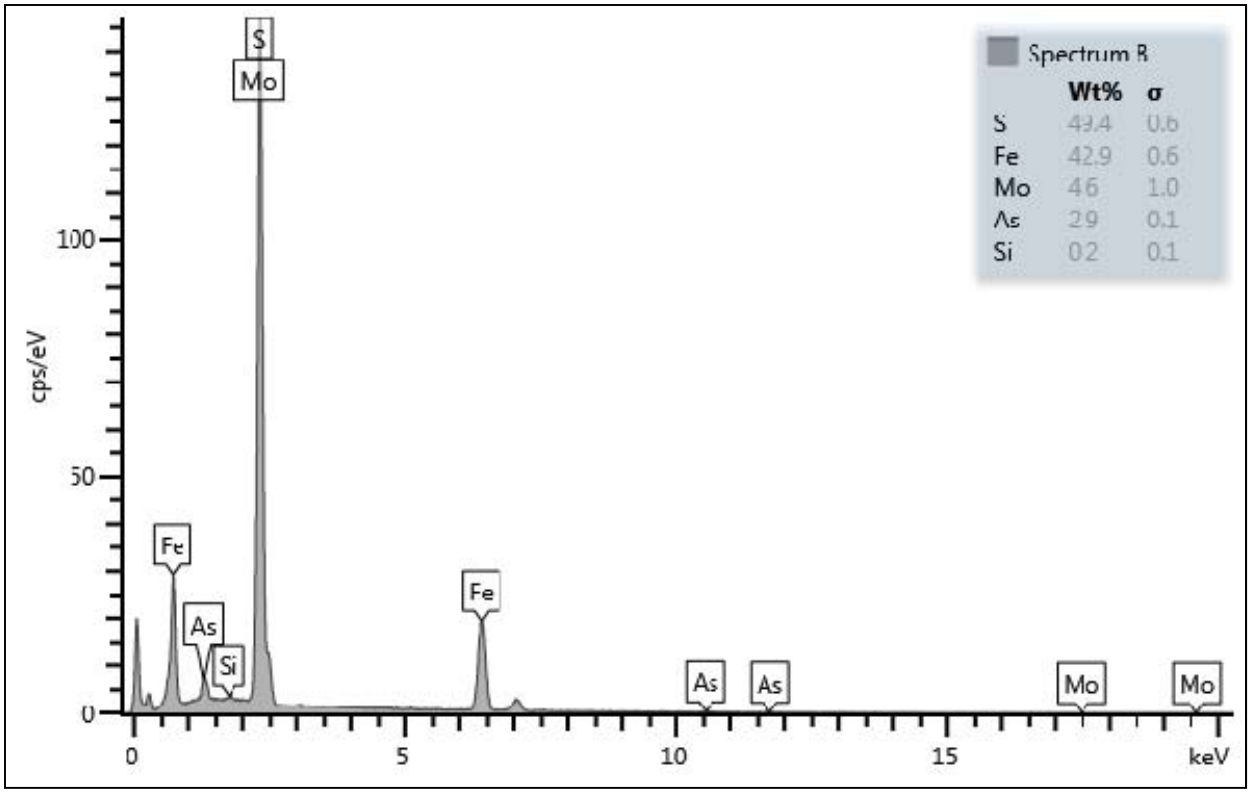
Electron Image 3





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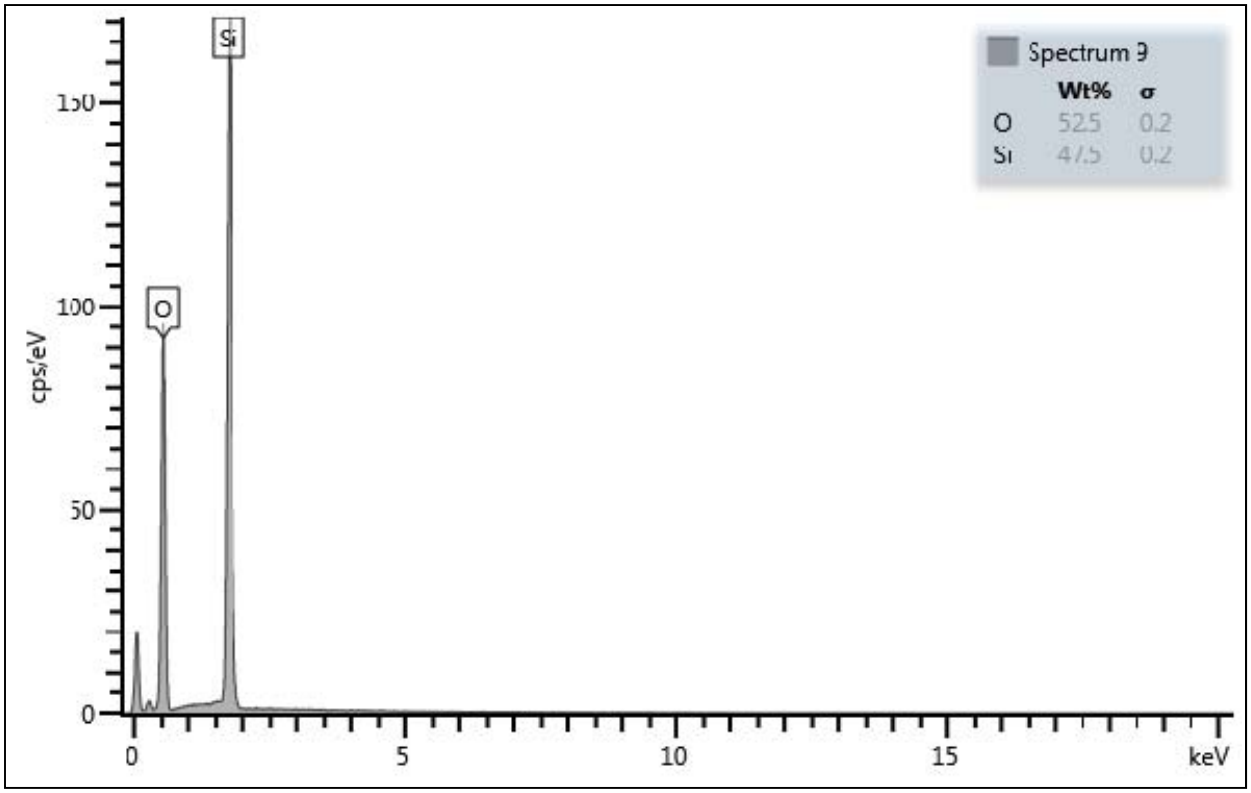

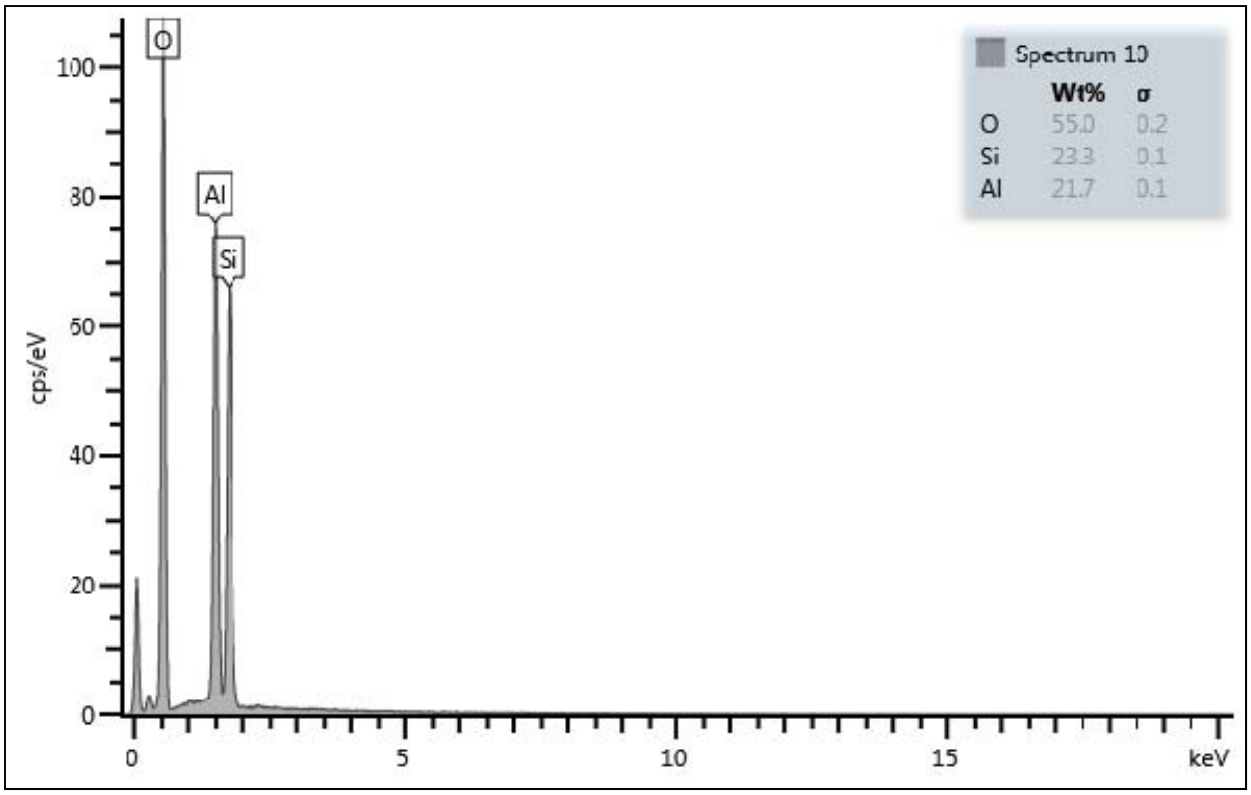

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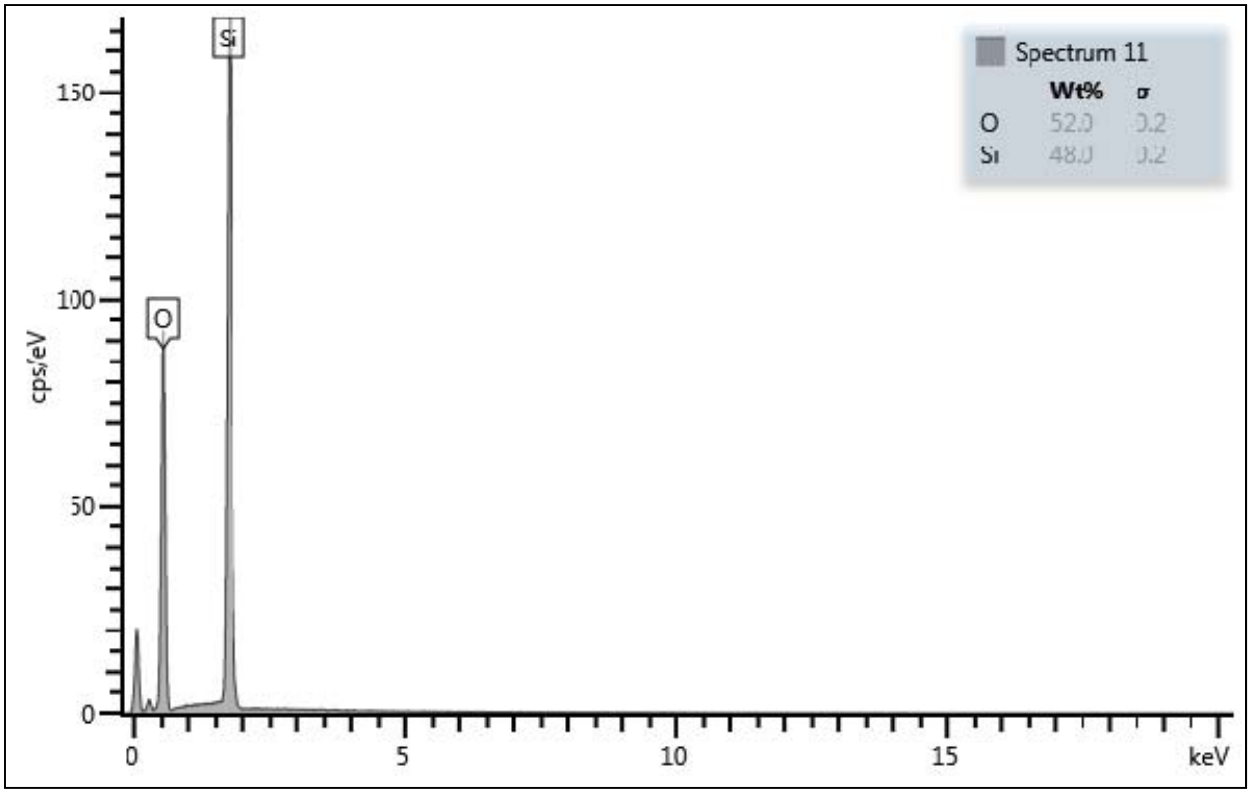
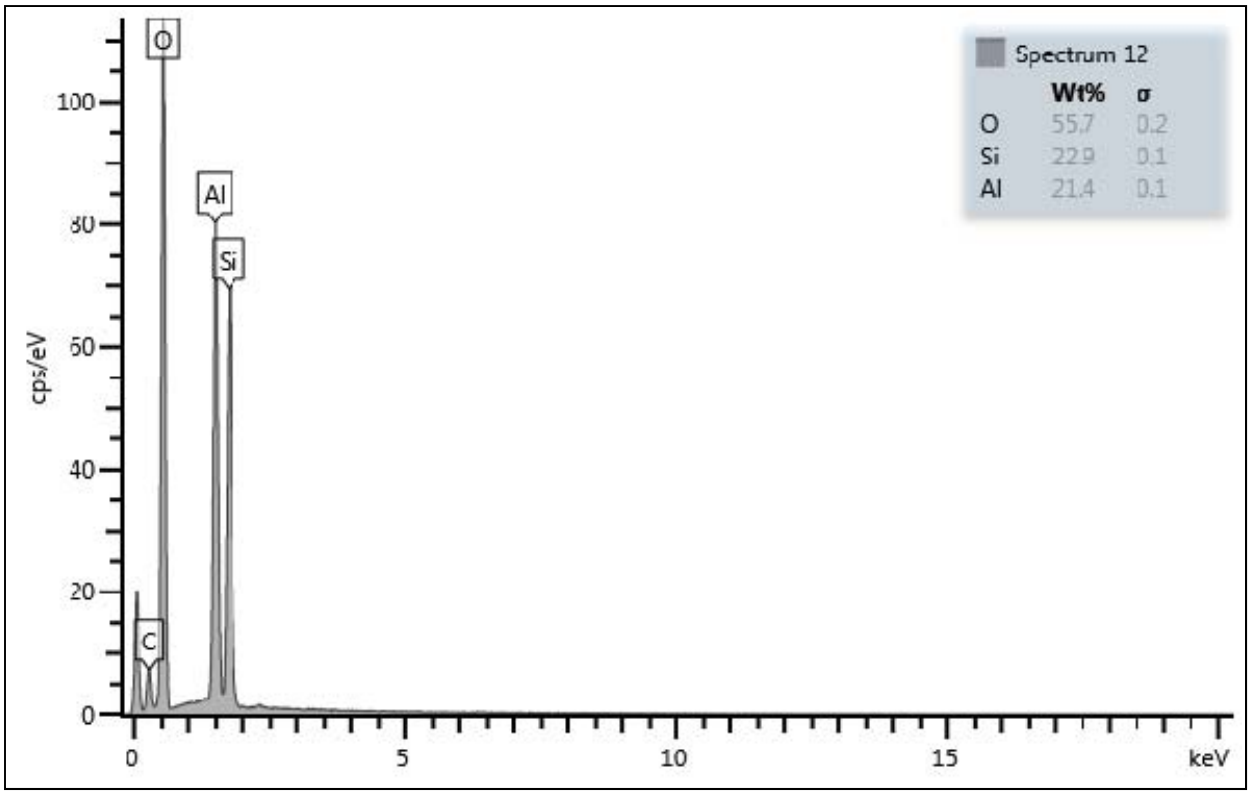
9/11/2012





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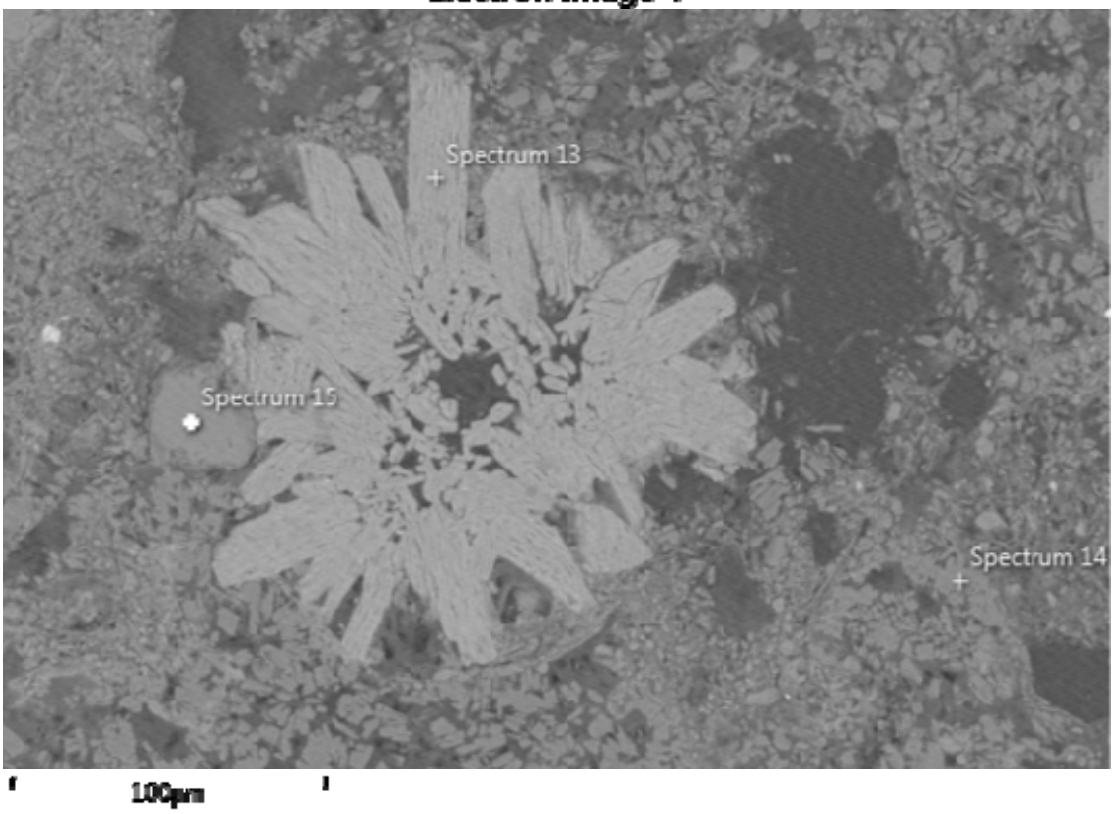
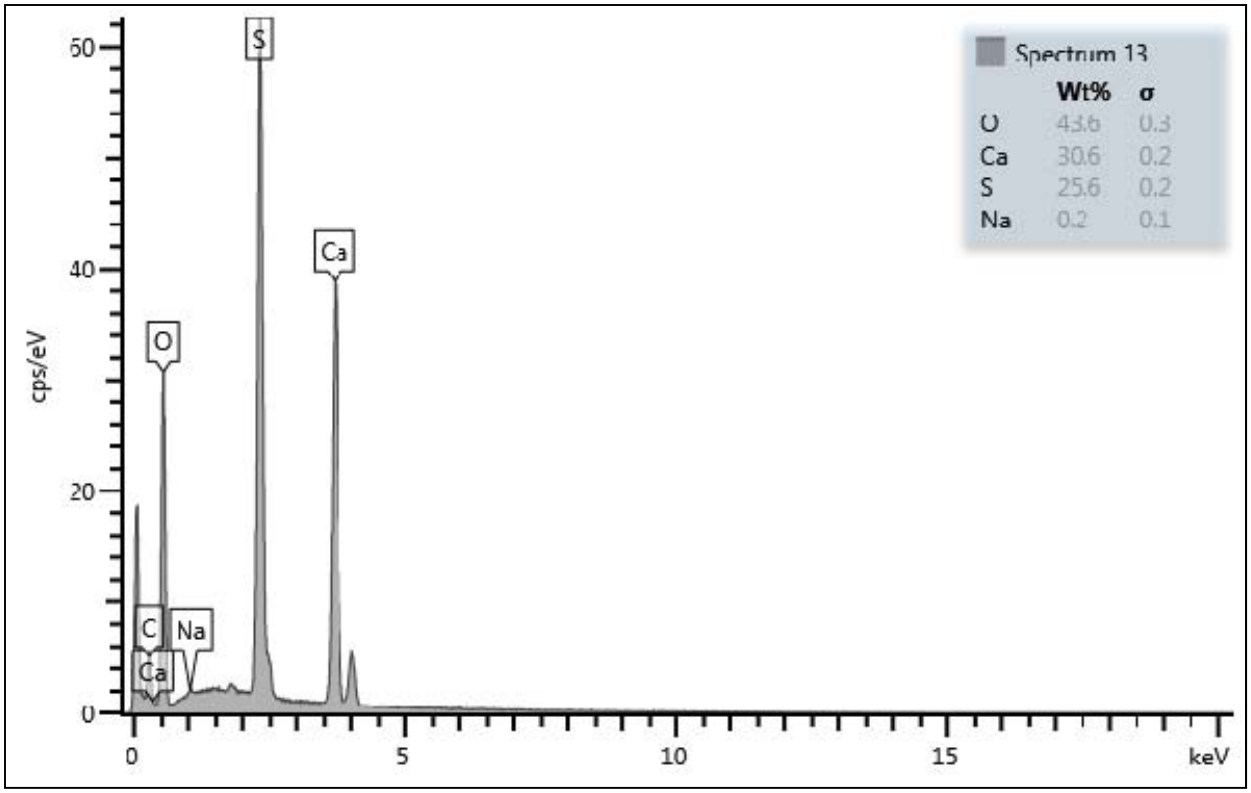
Electron Image 4





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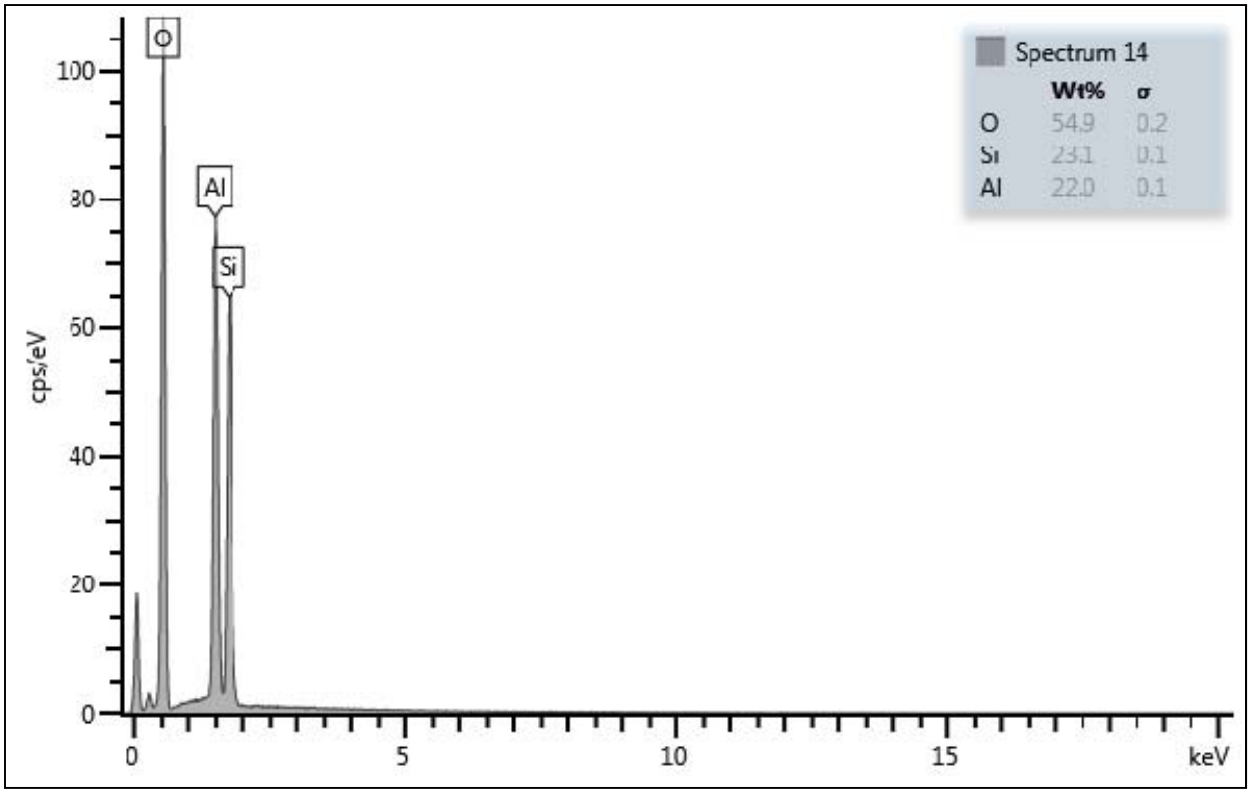

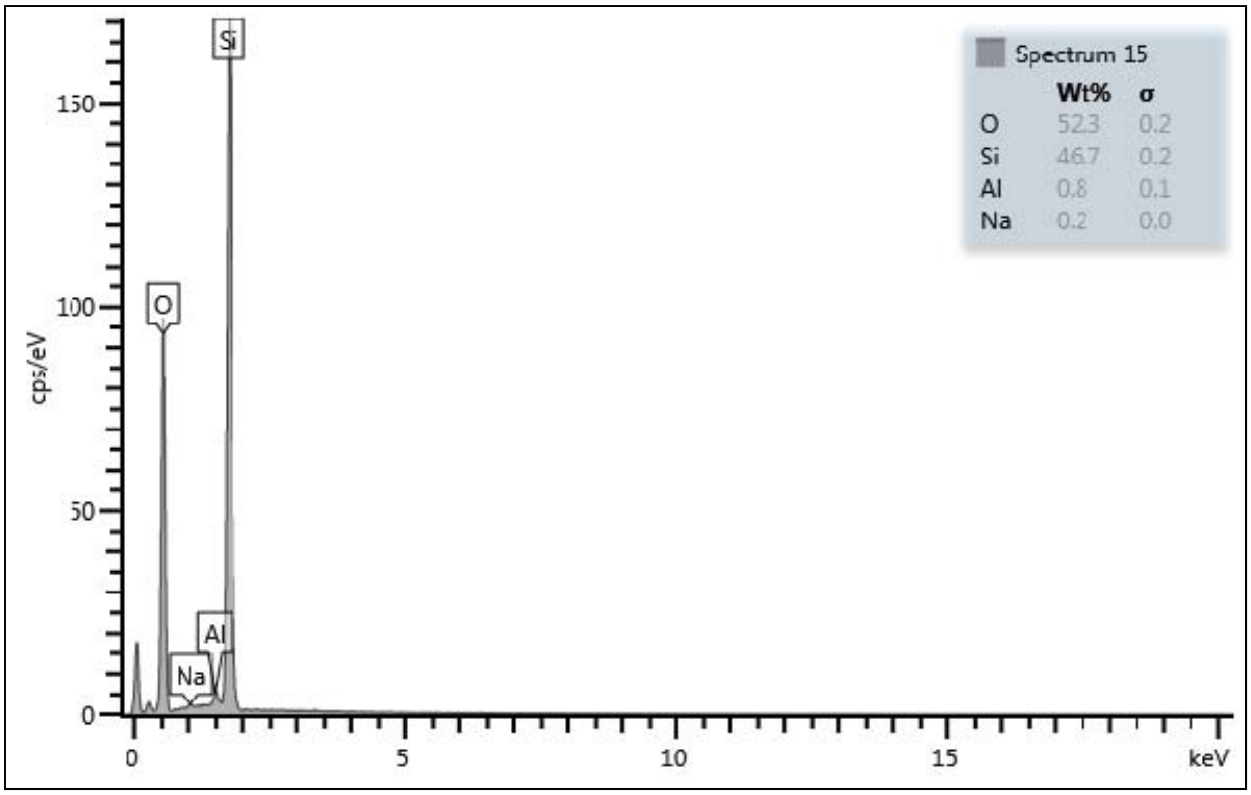

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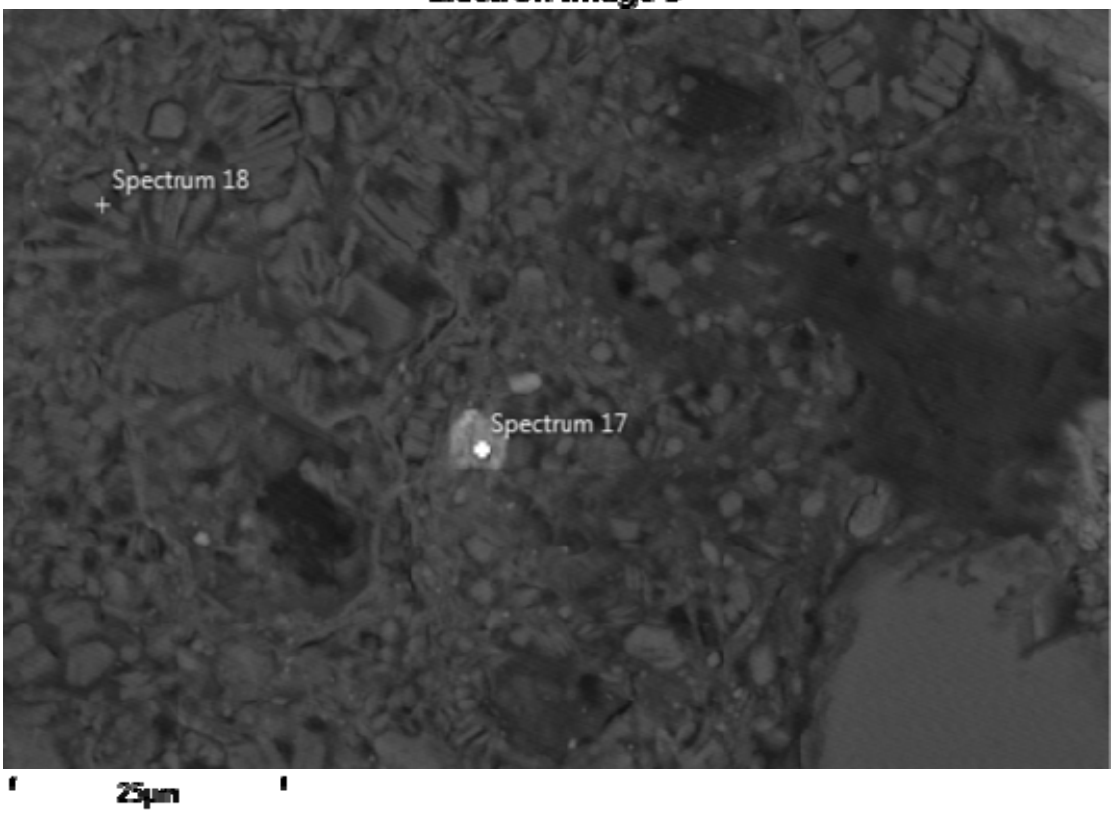
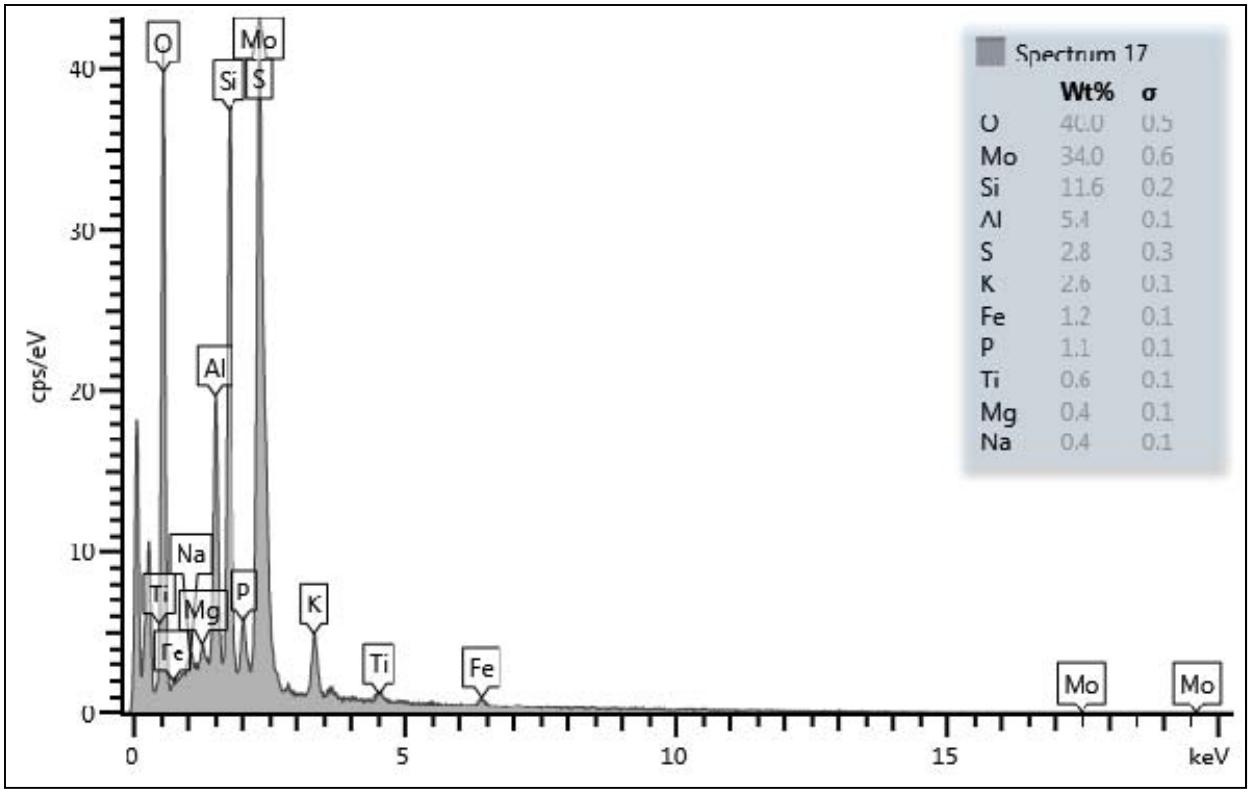
Electron Image 5





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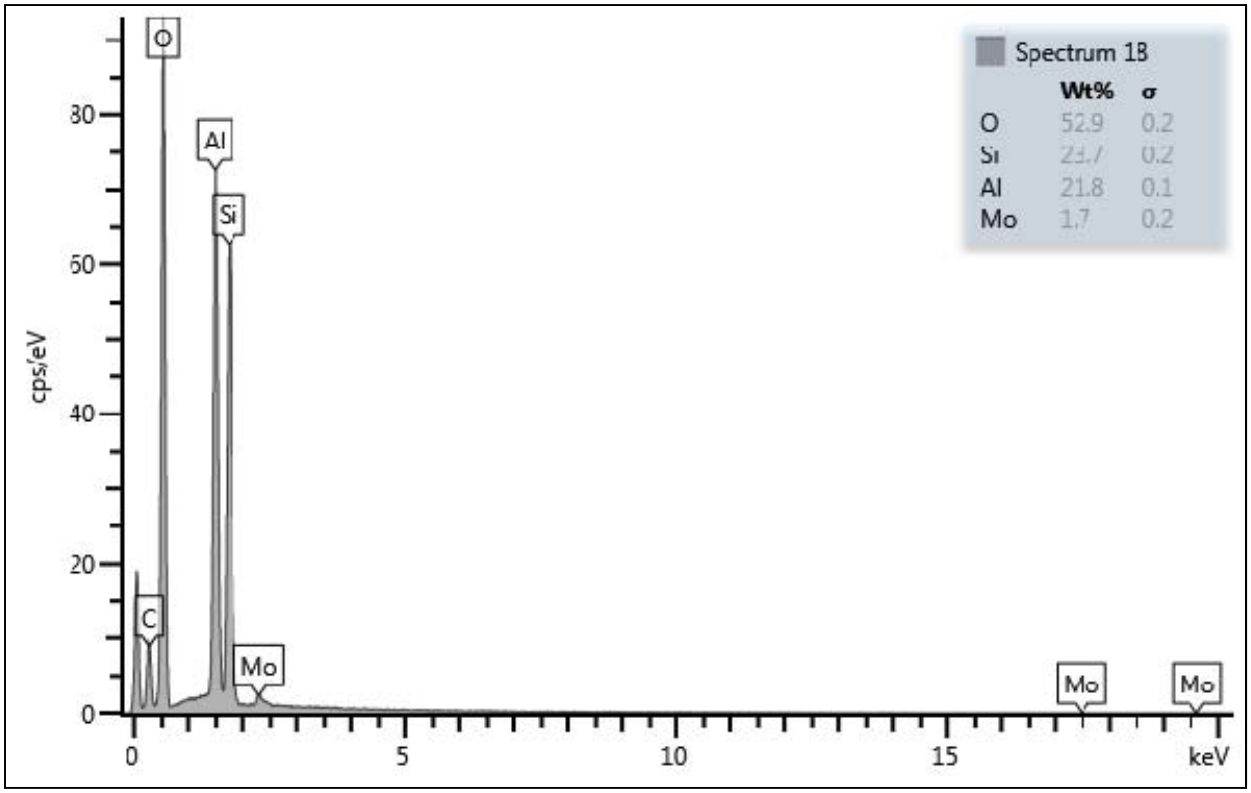

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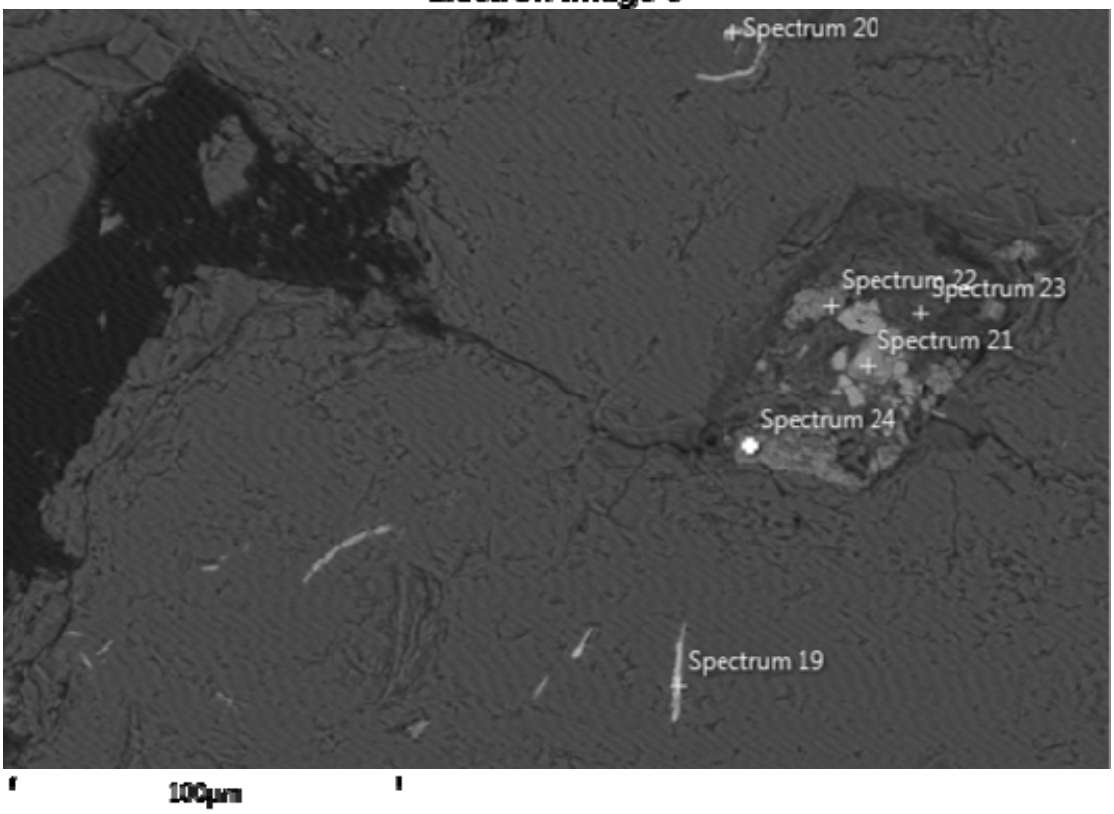
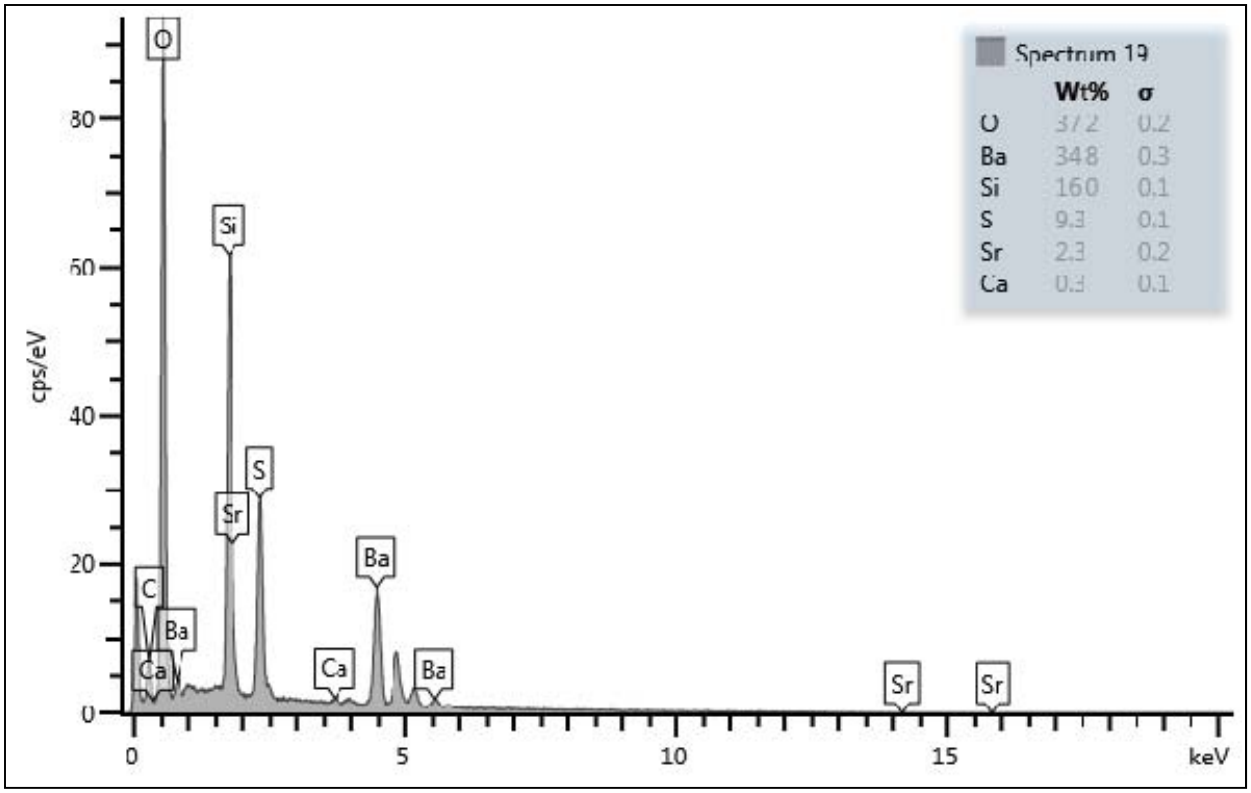
Electron Image 6





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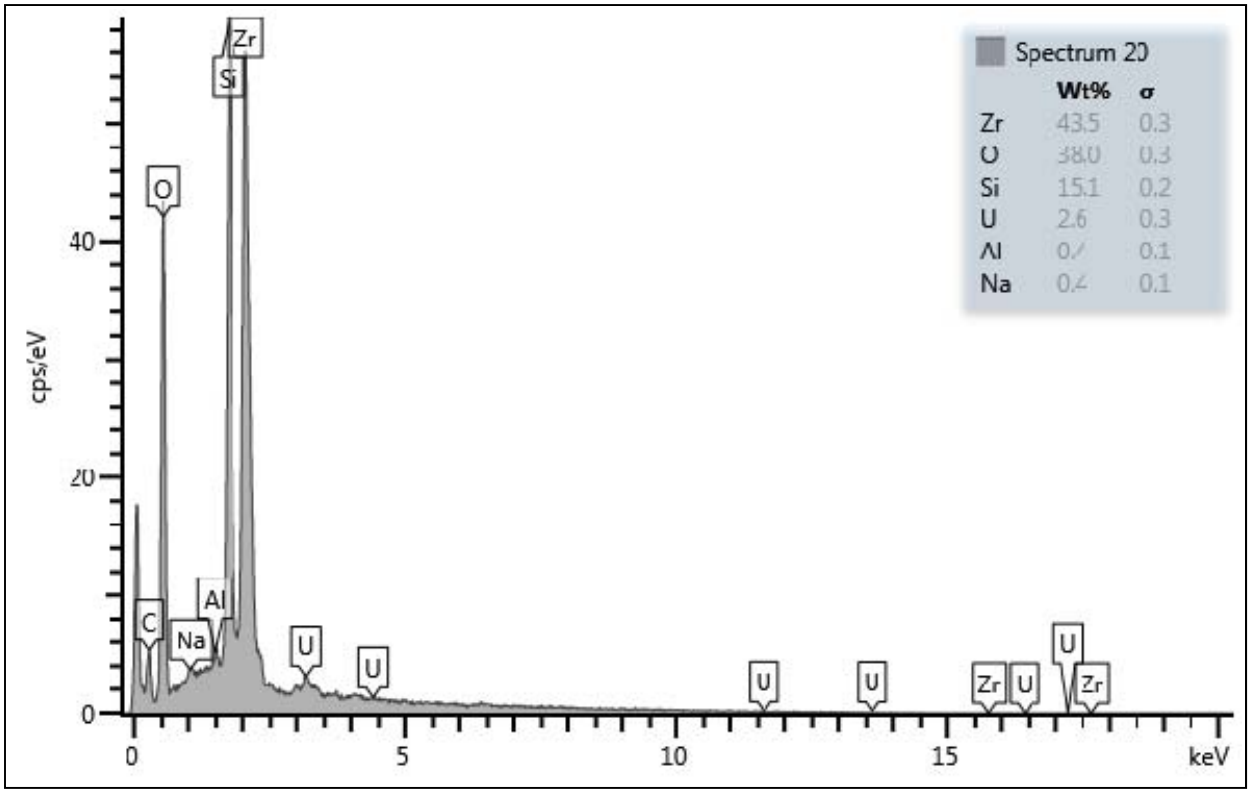
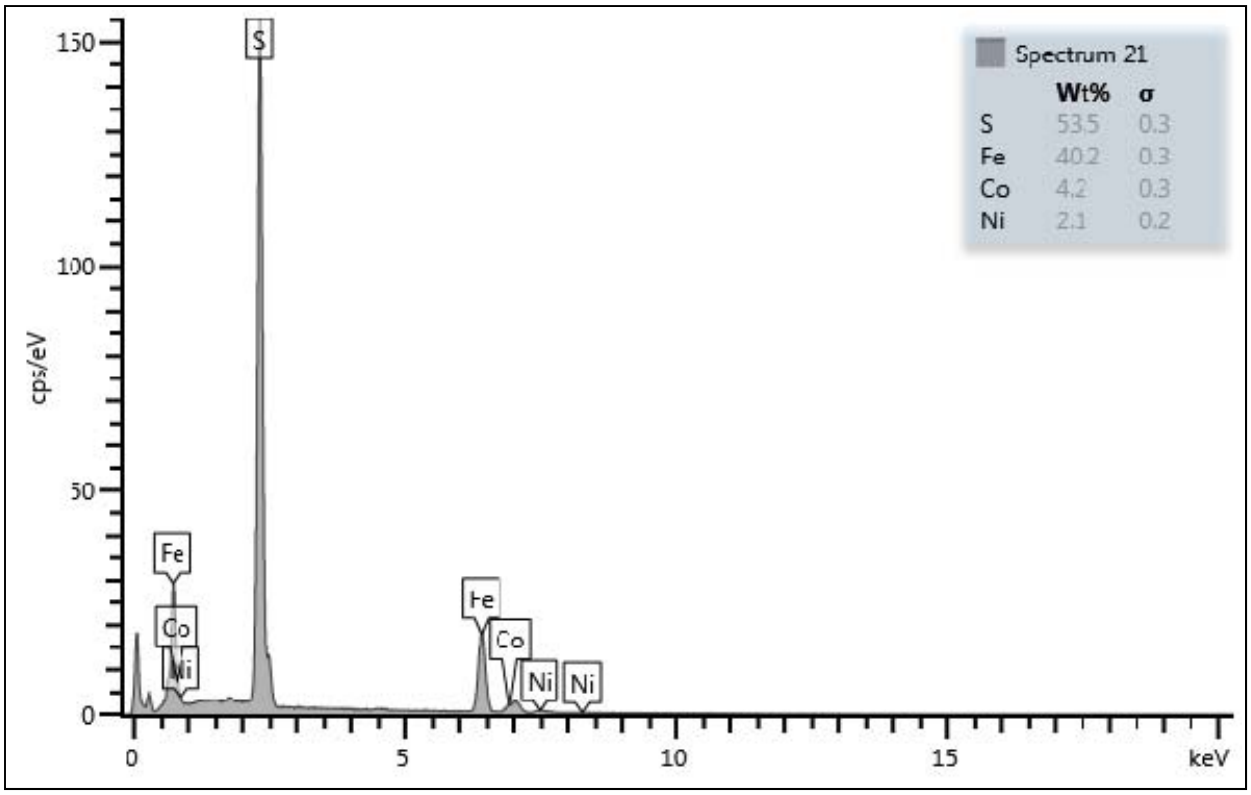
9/11/2012





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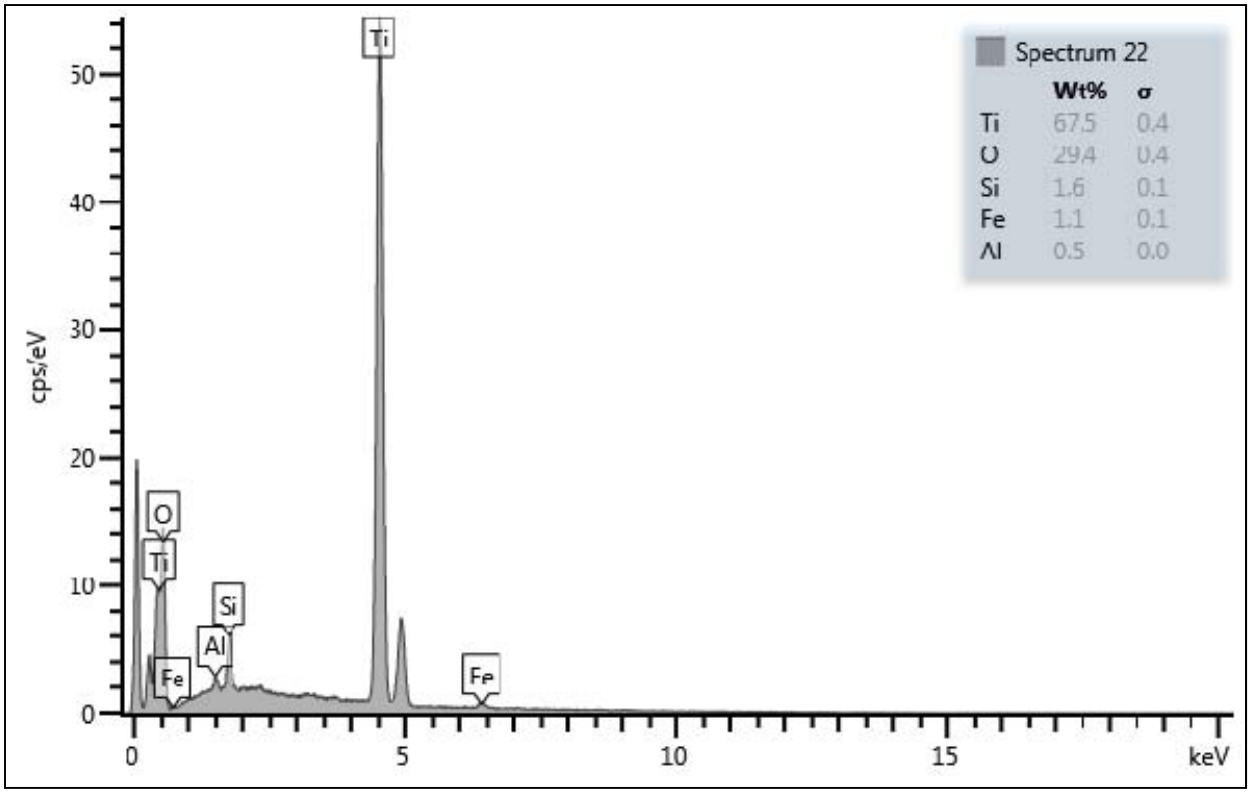

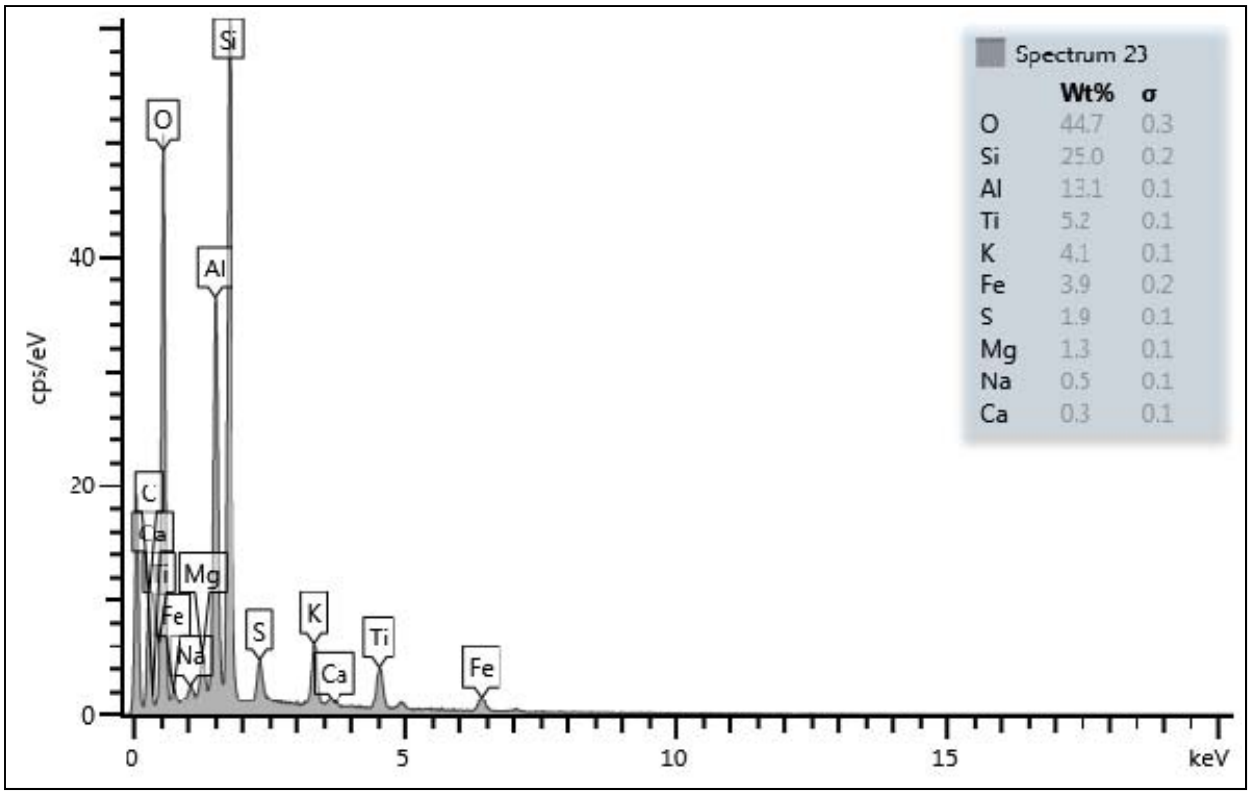

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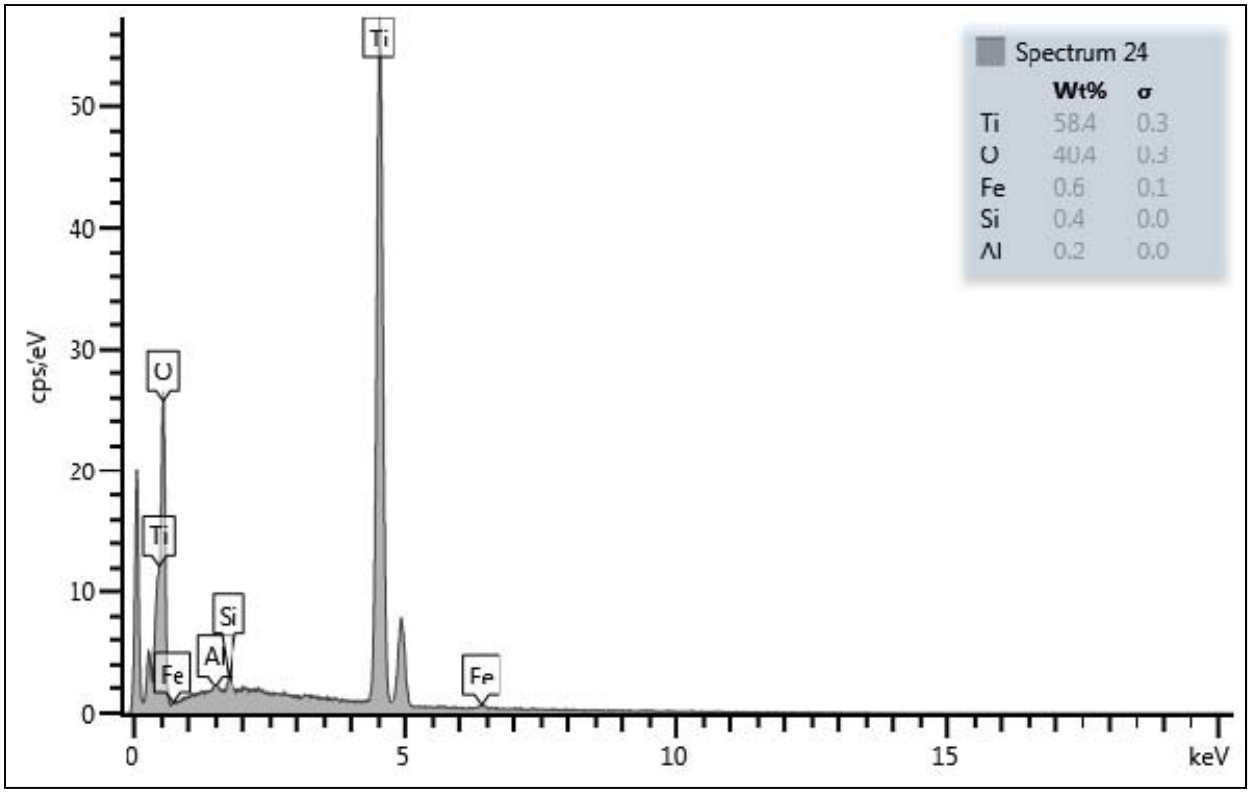

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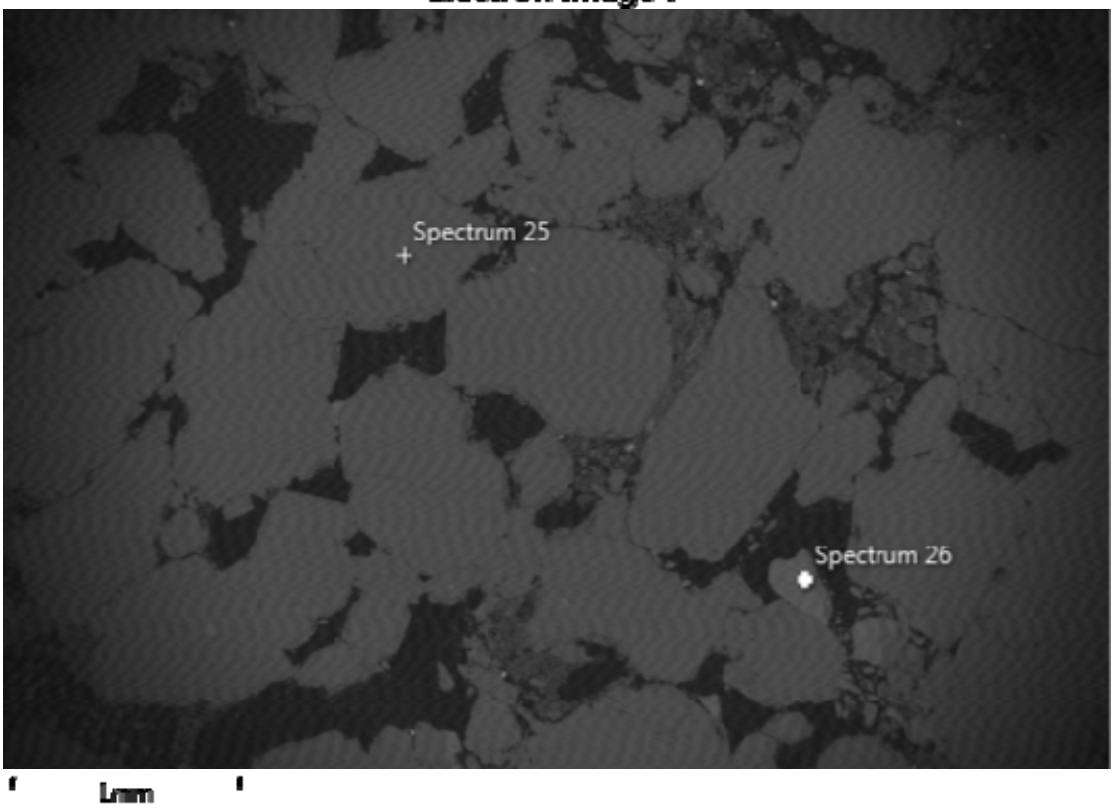
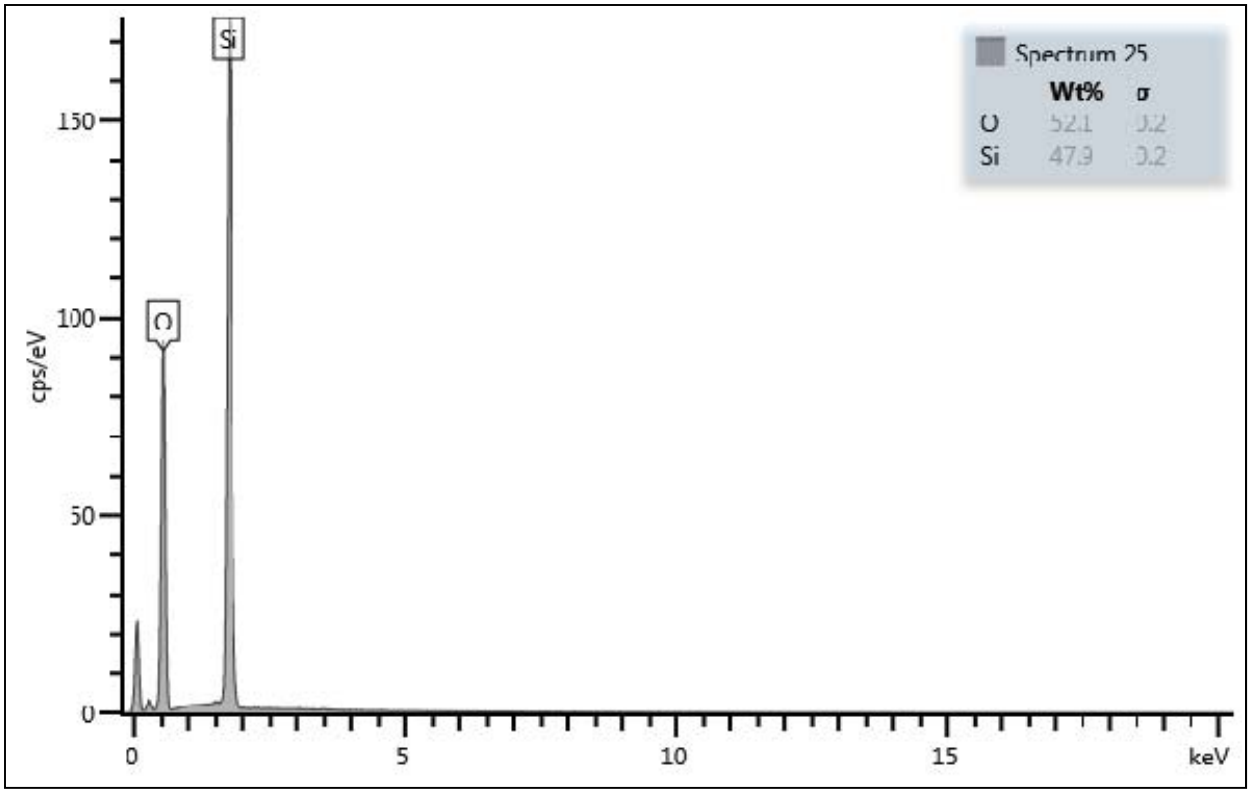
Electron Image 7





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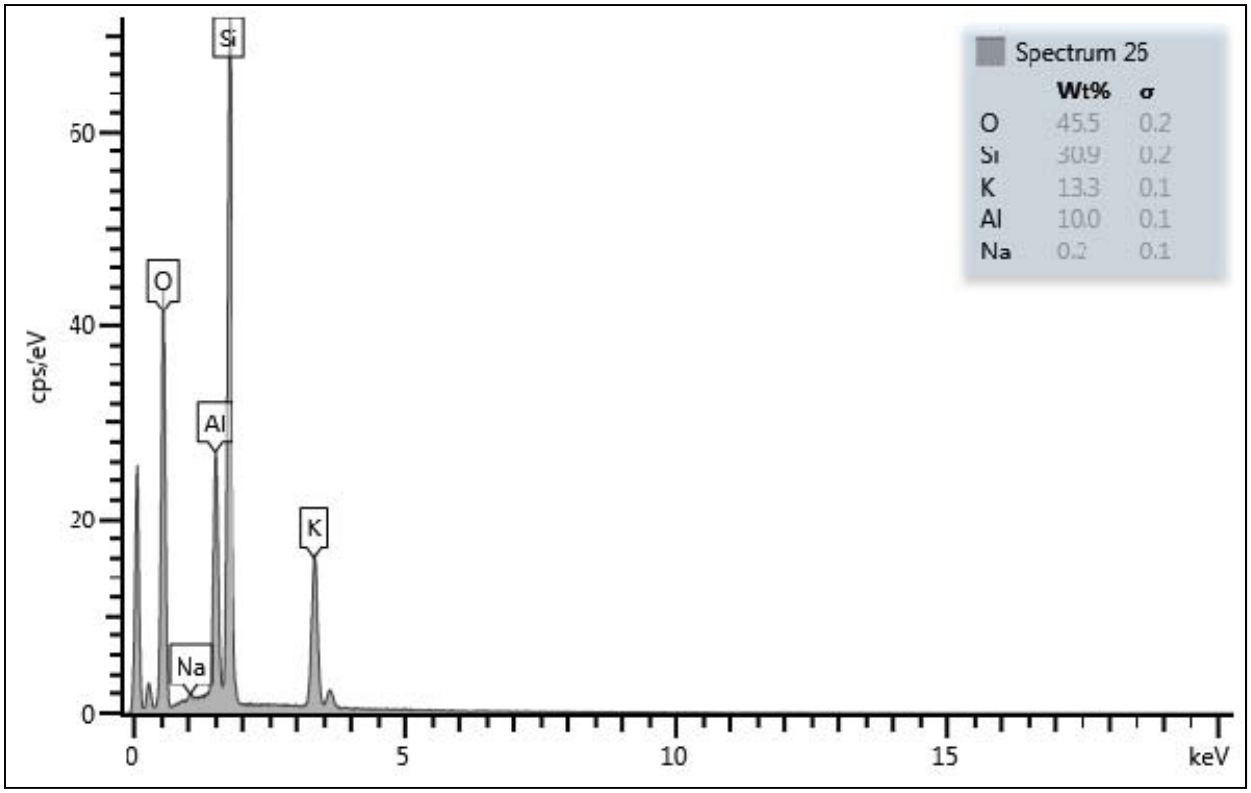
Daneros Mine Sample D-6

9/11/2012



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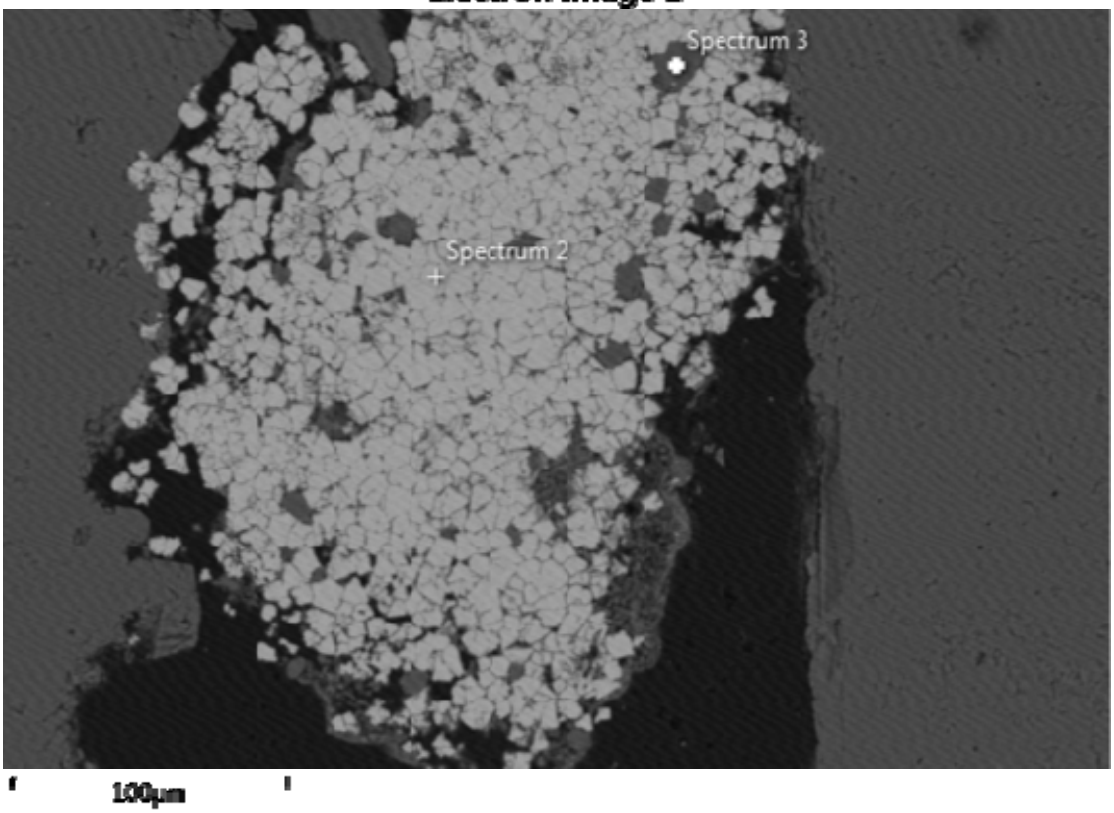
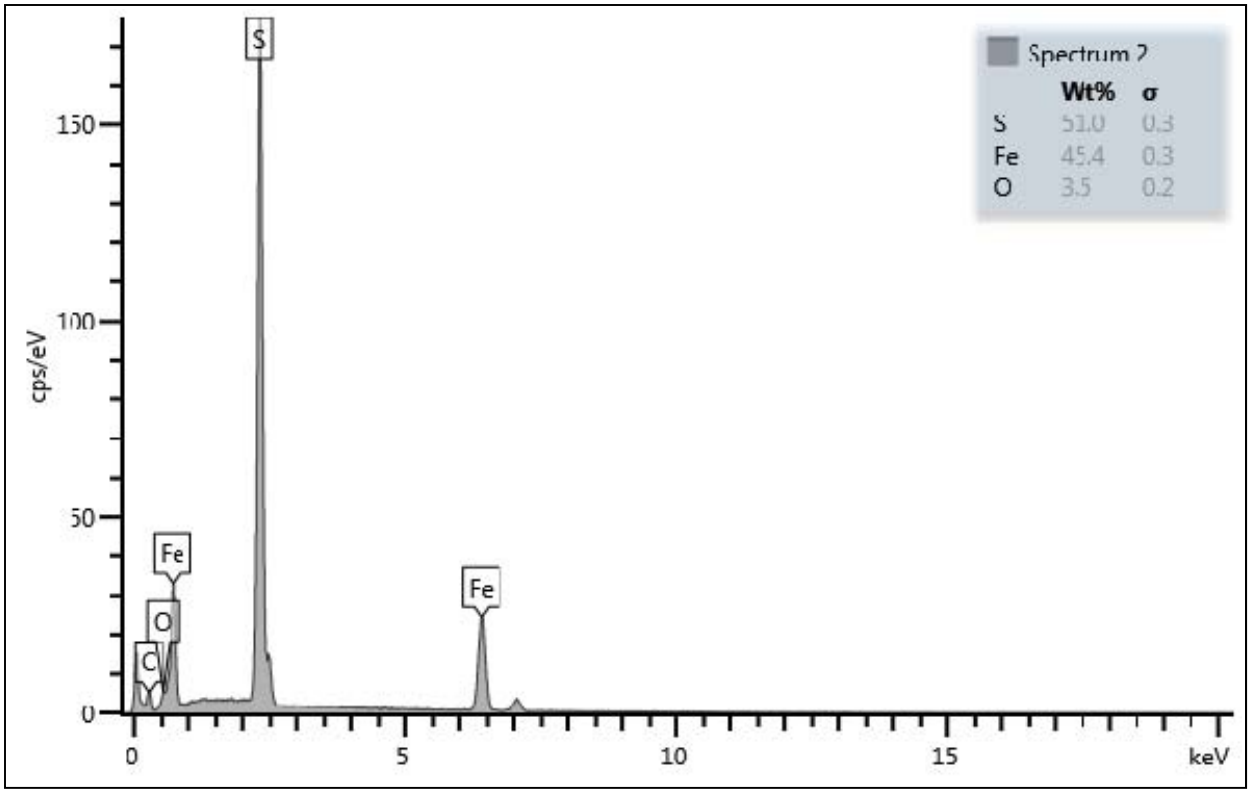
Electron Image 1





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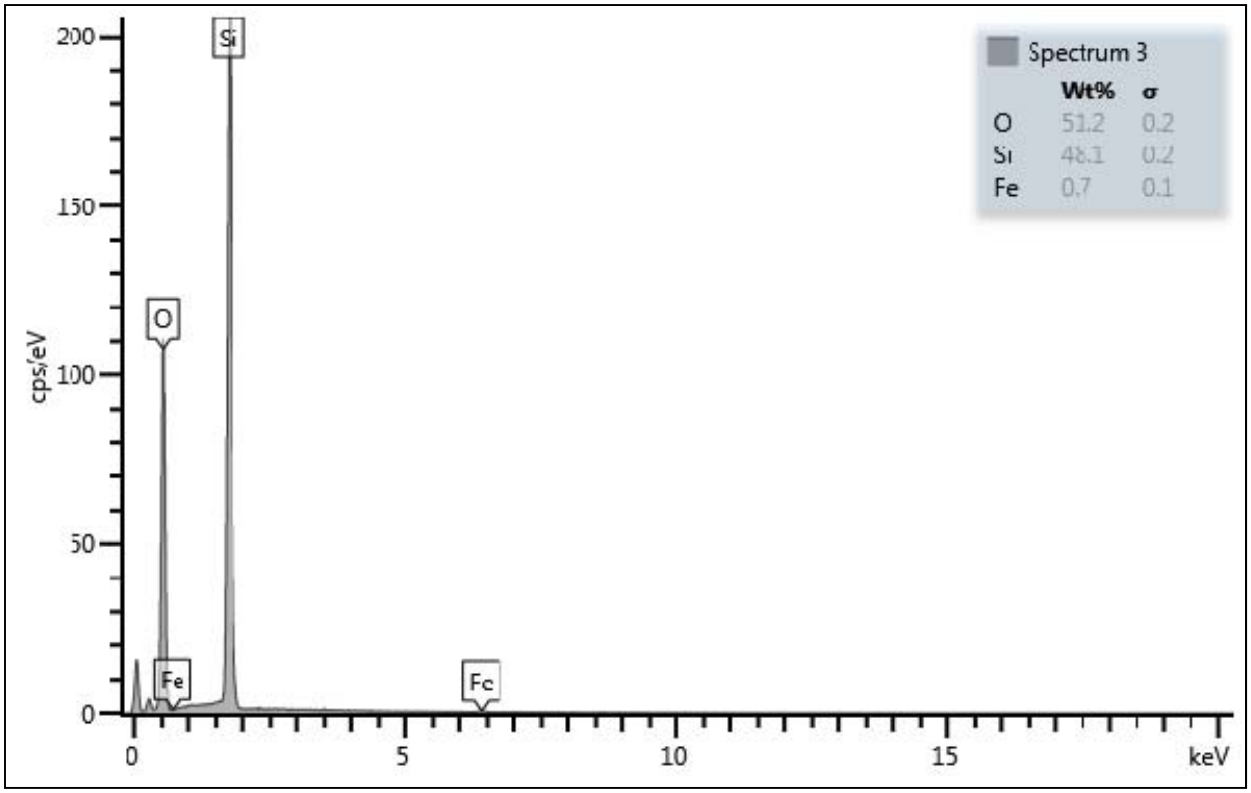
Daneros Mine Sample D-7

9/11/2012



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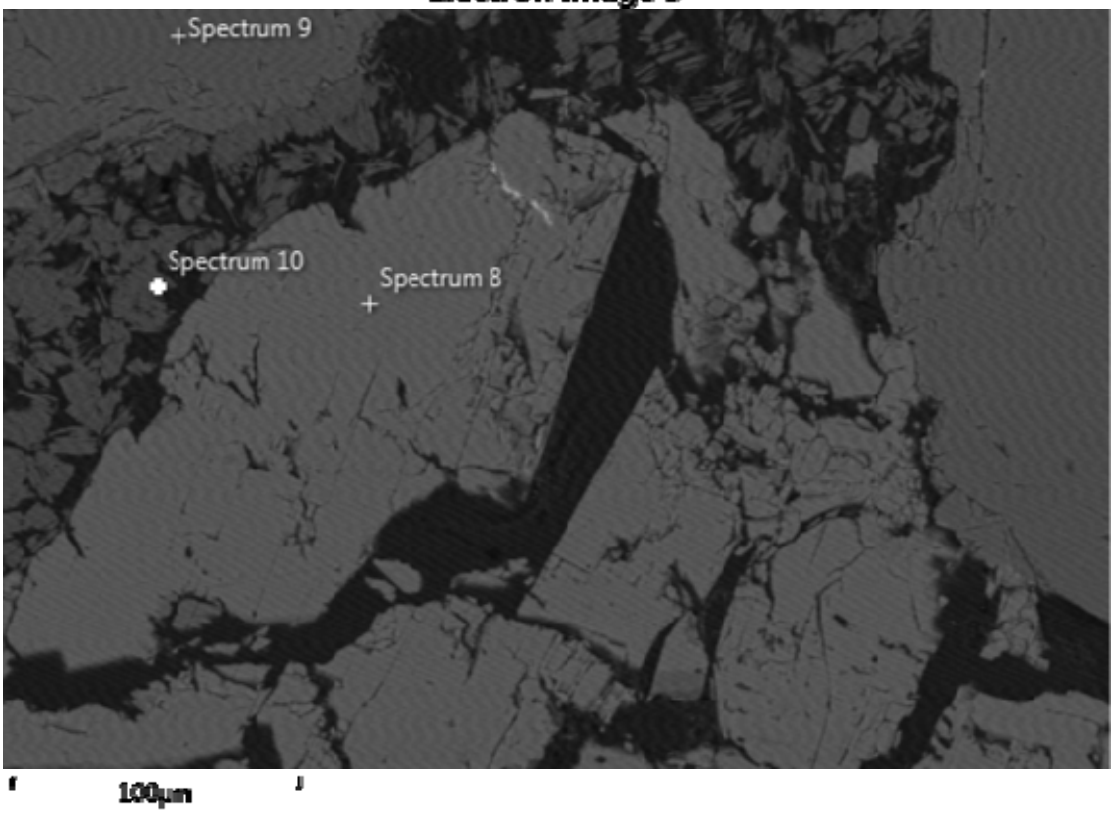
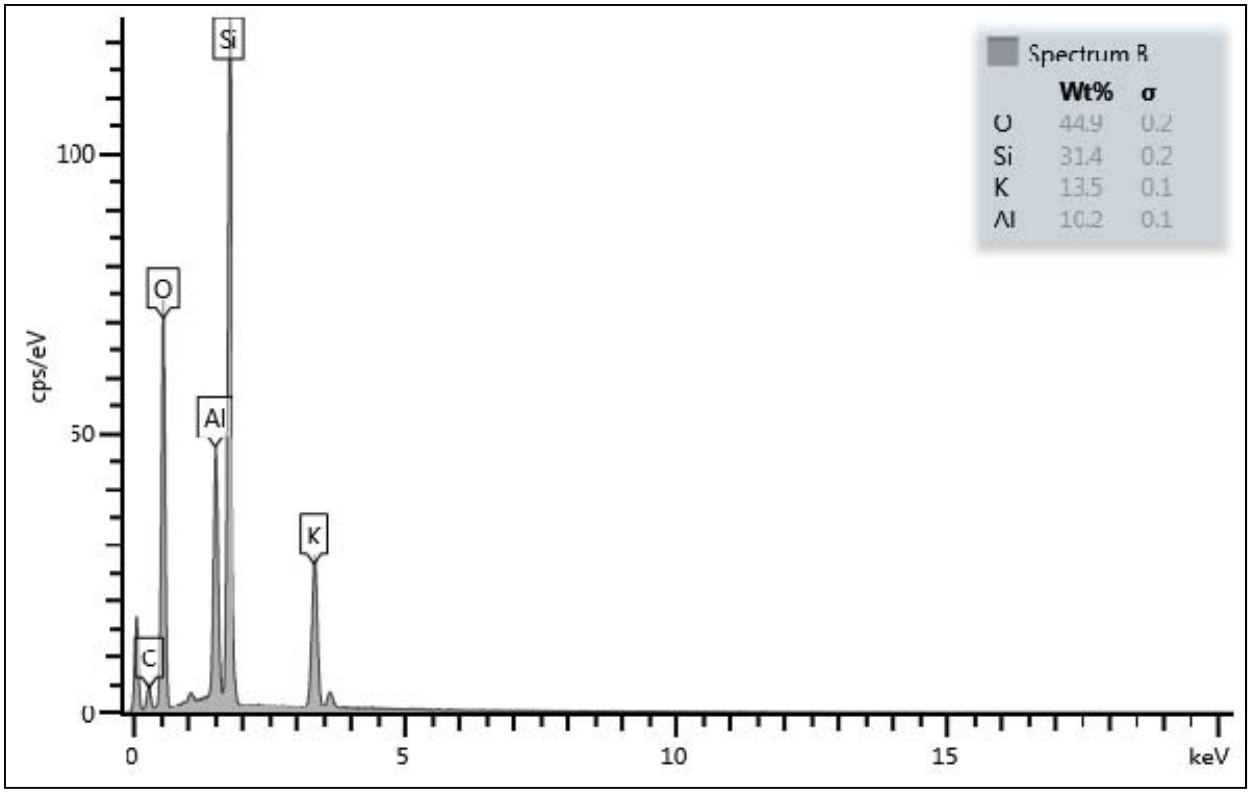
Electron Image 3





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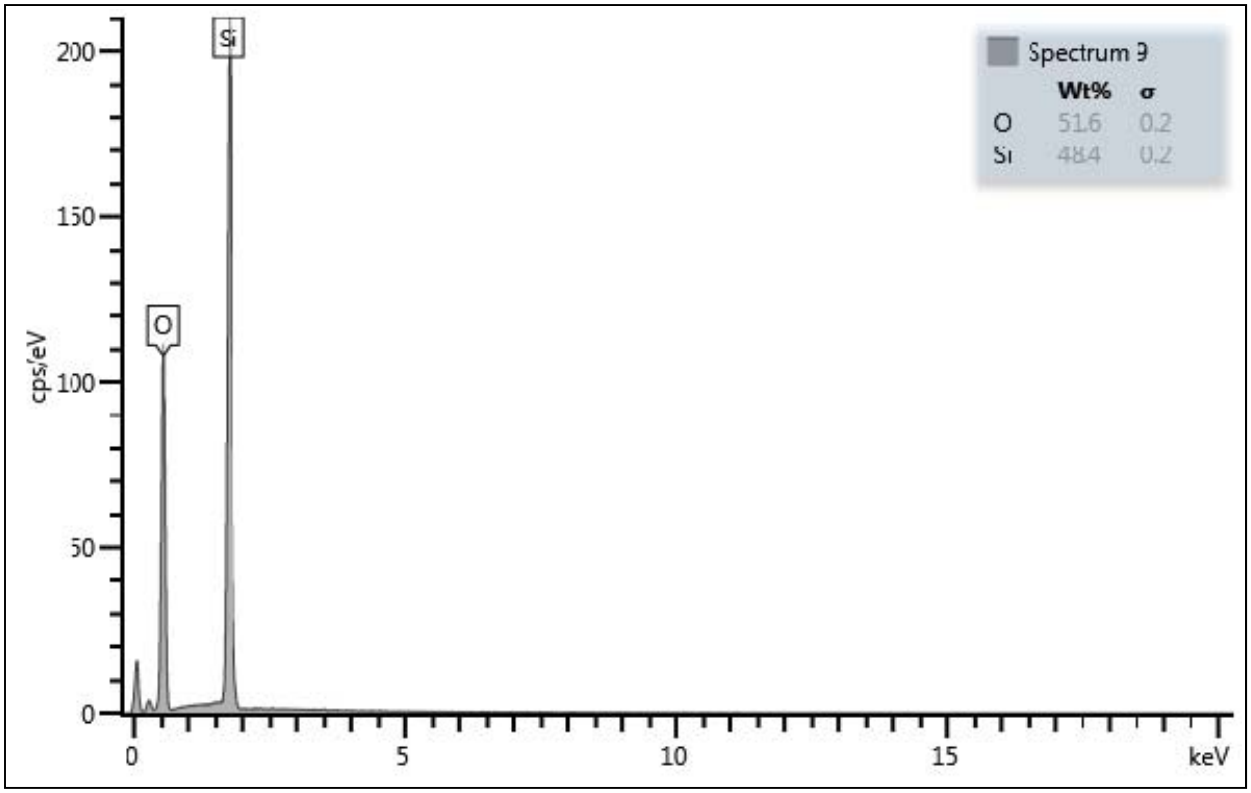

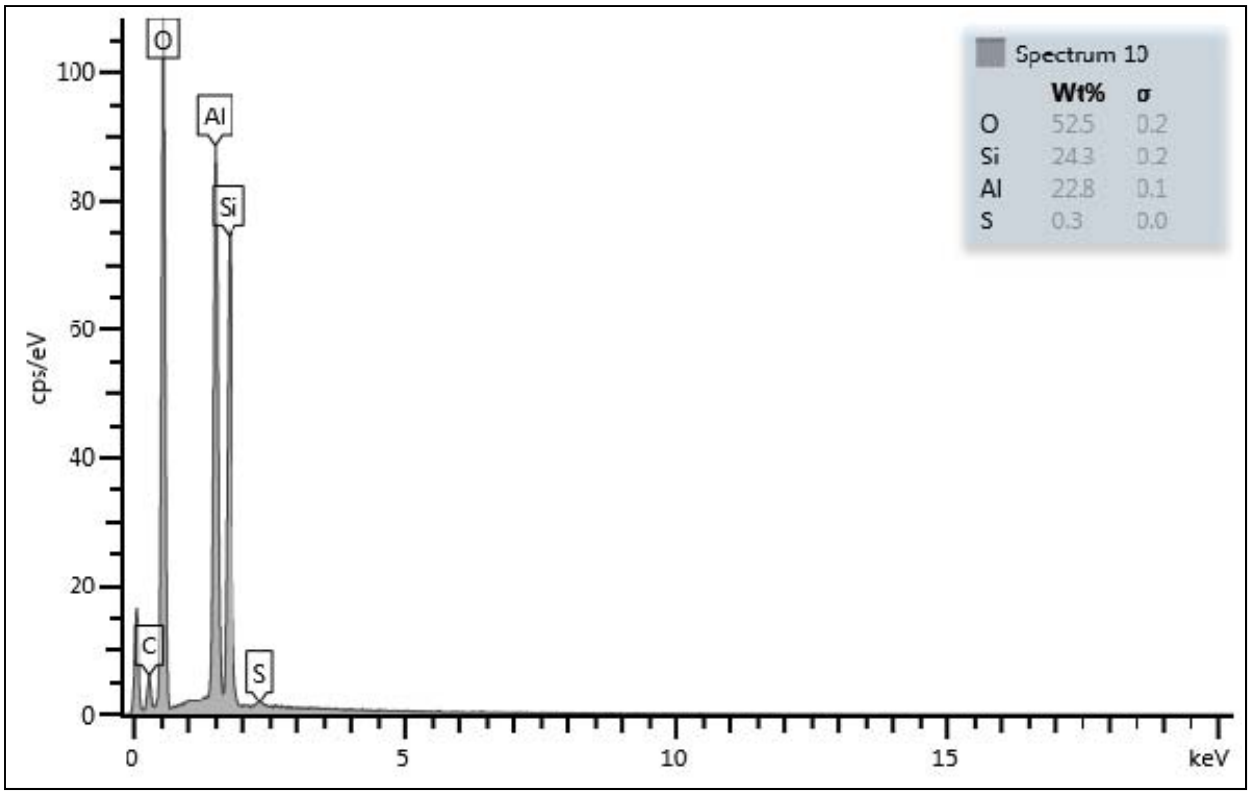

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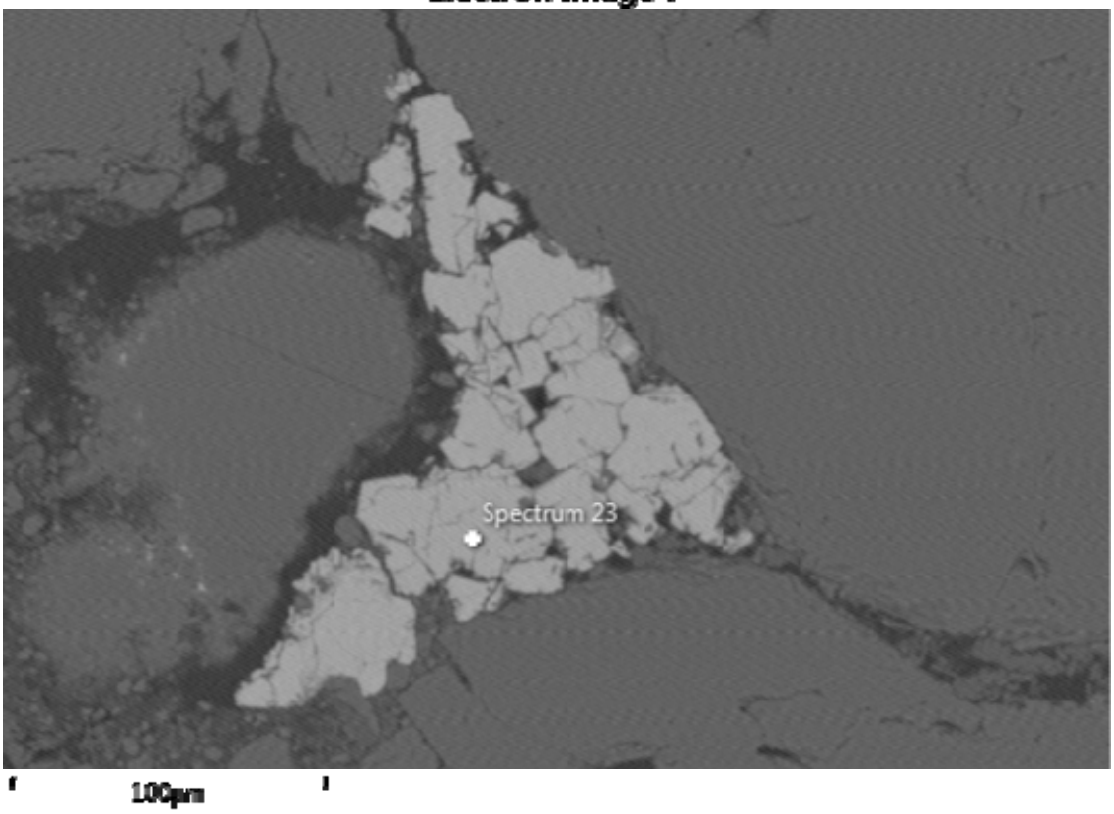
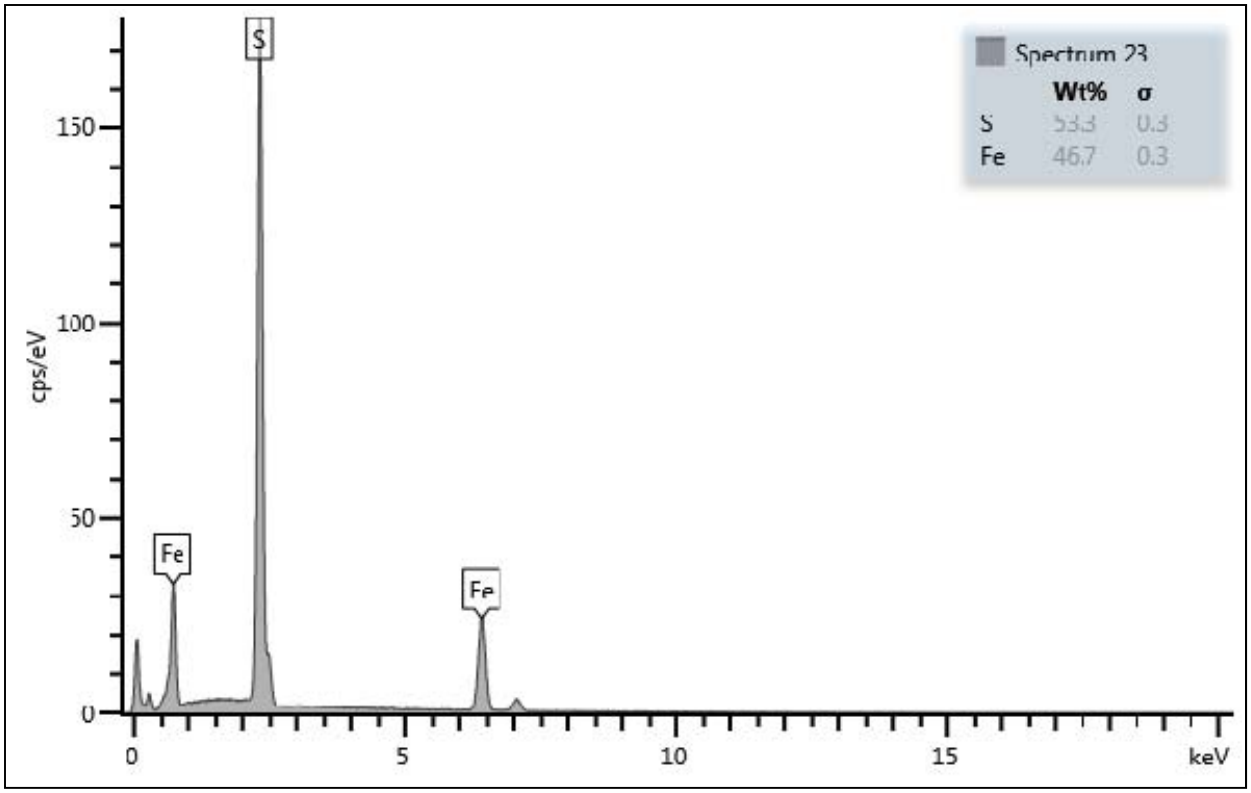
Electron Image 7





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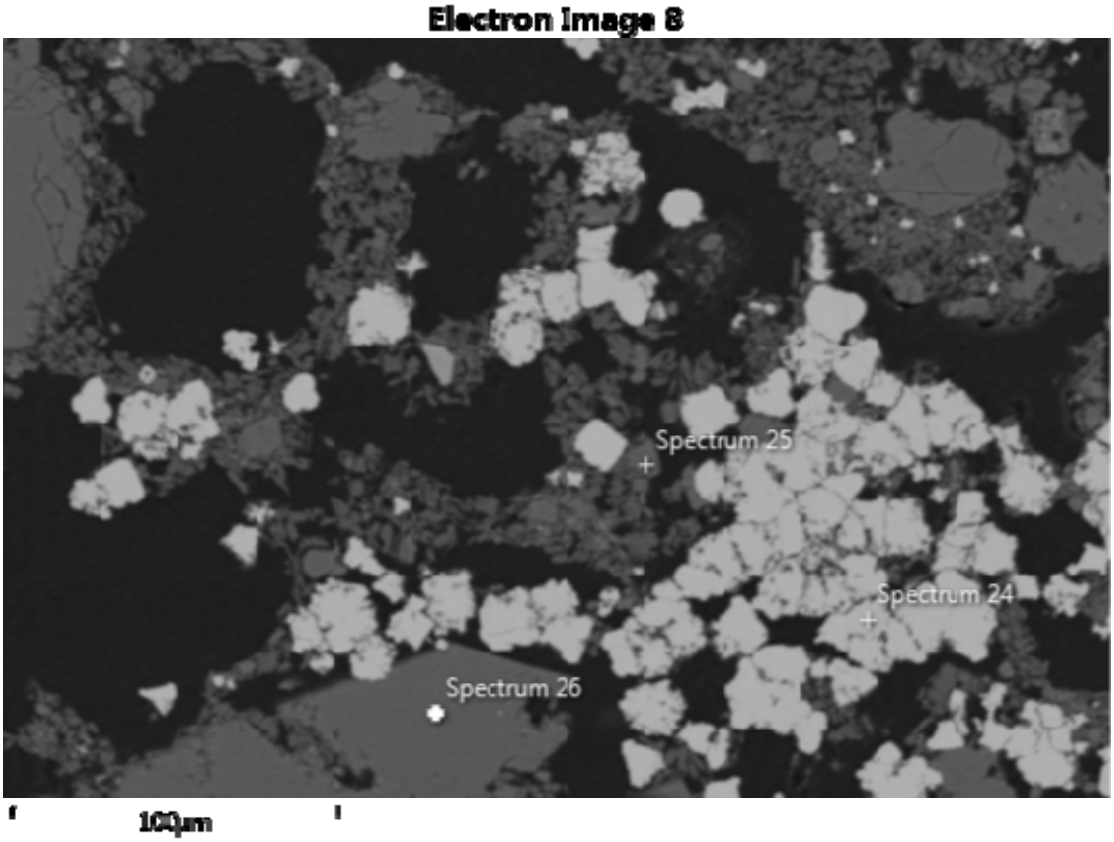

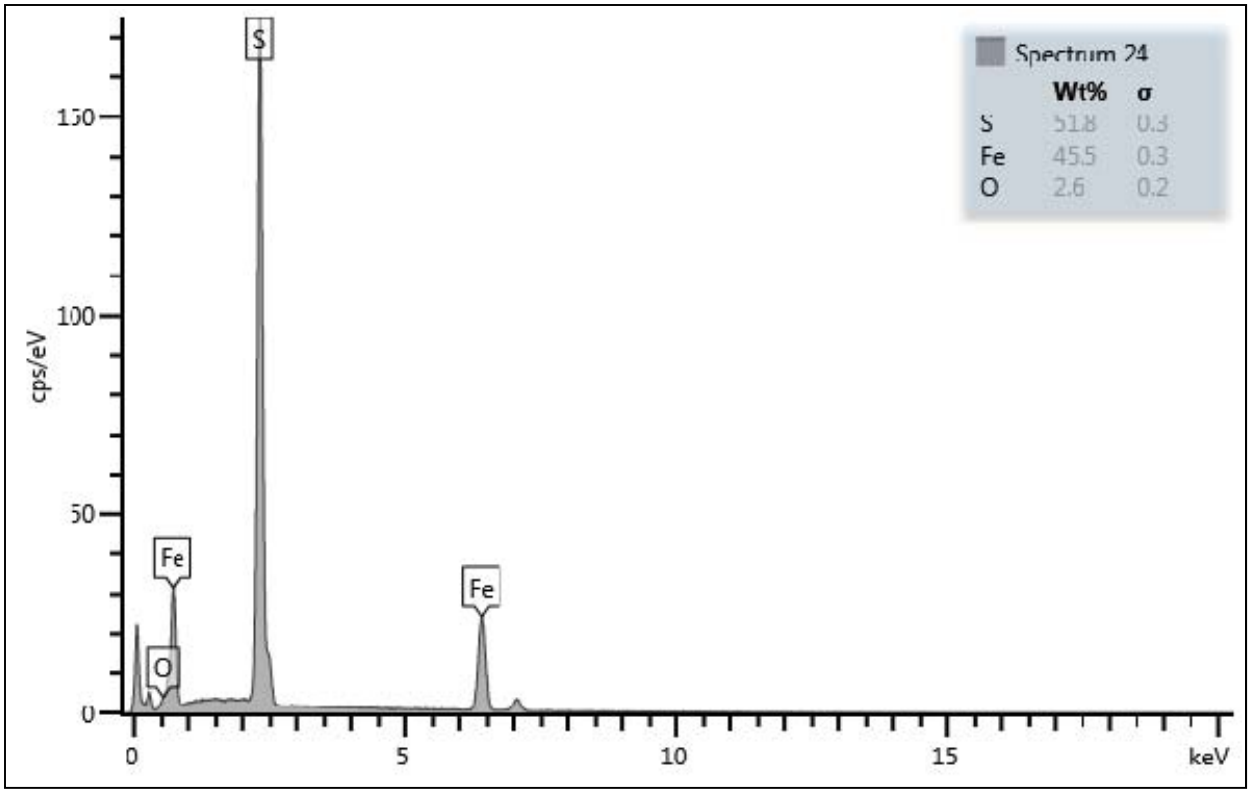

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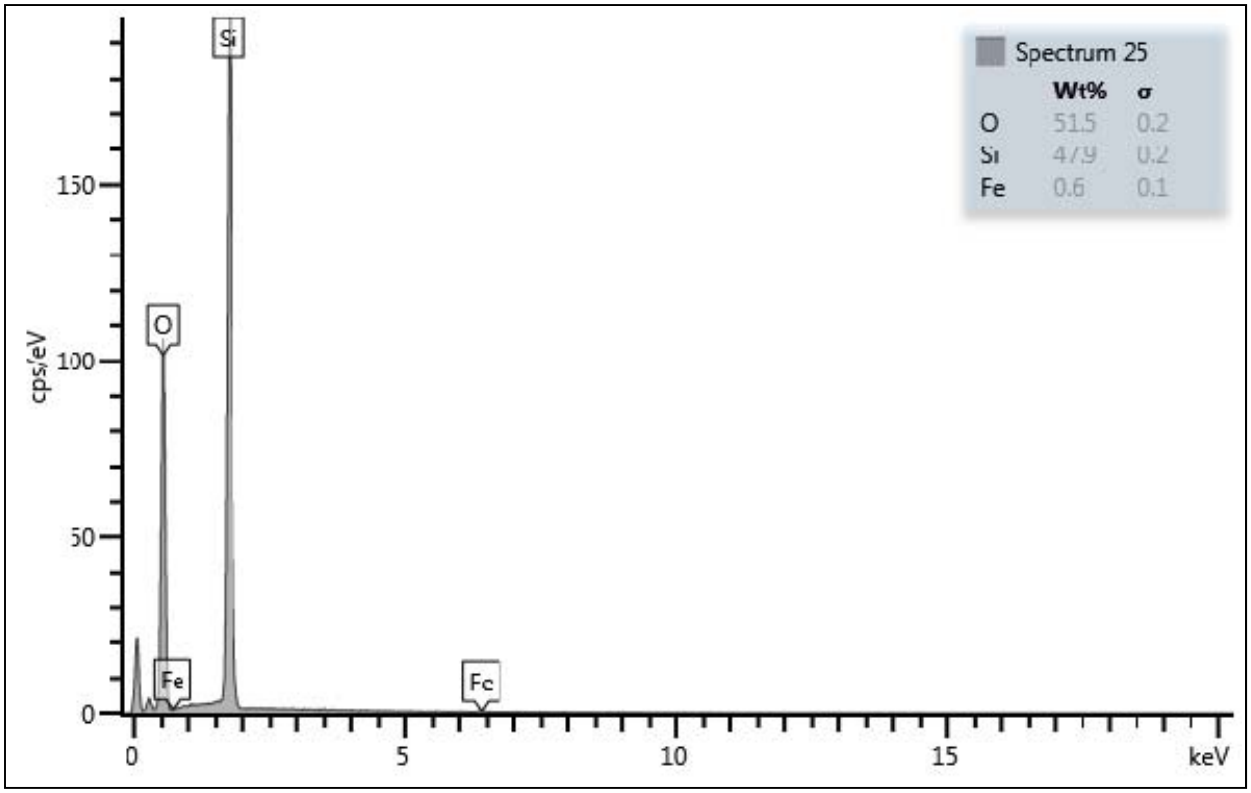

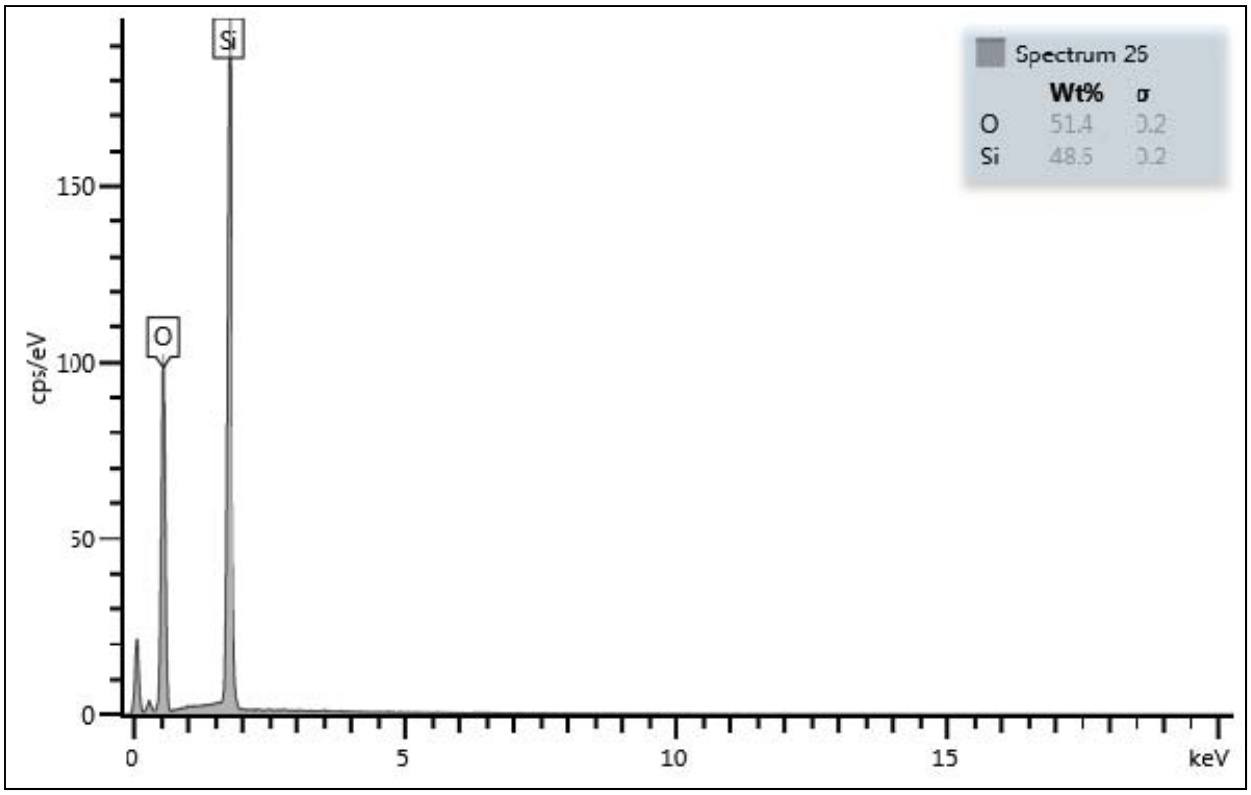

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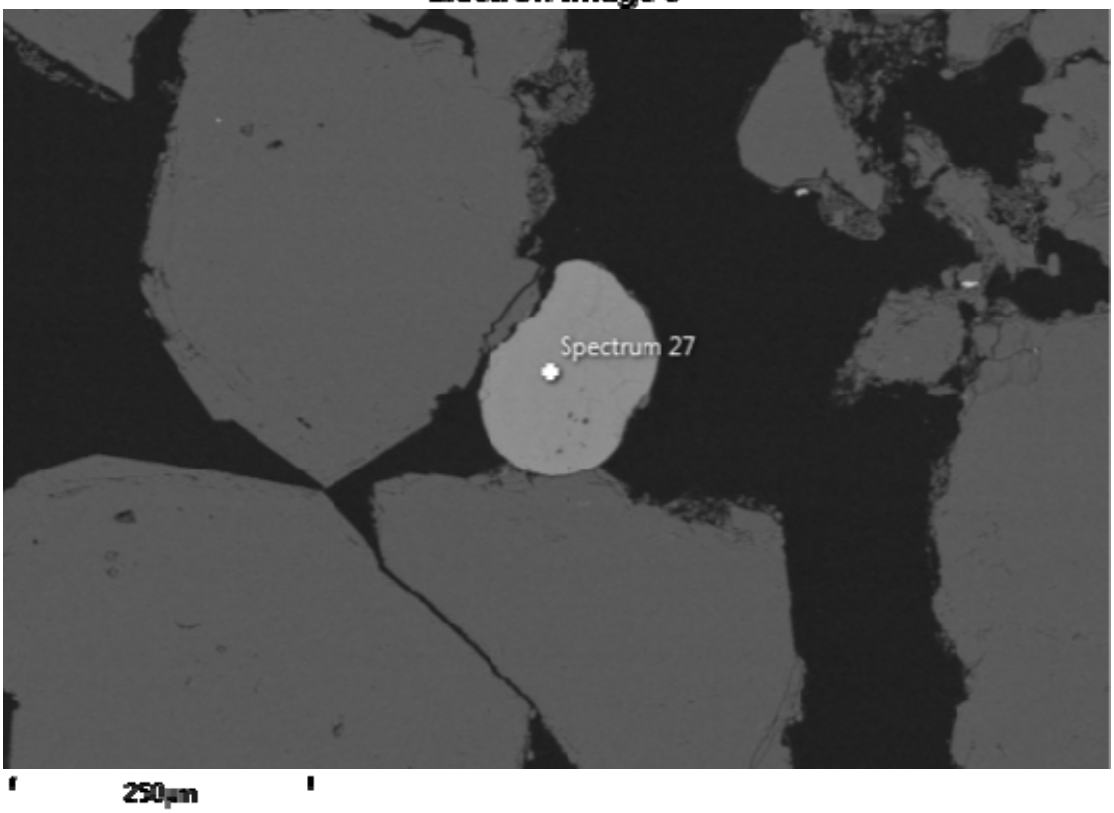
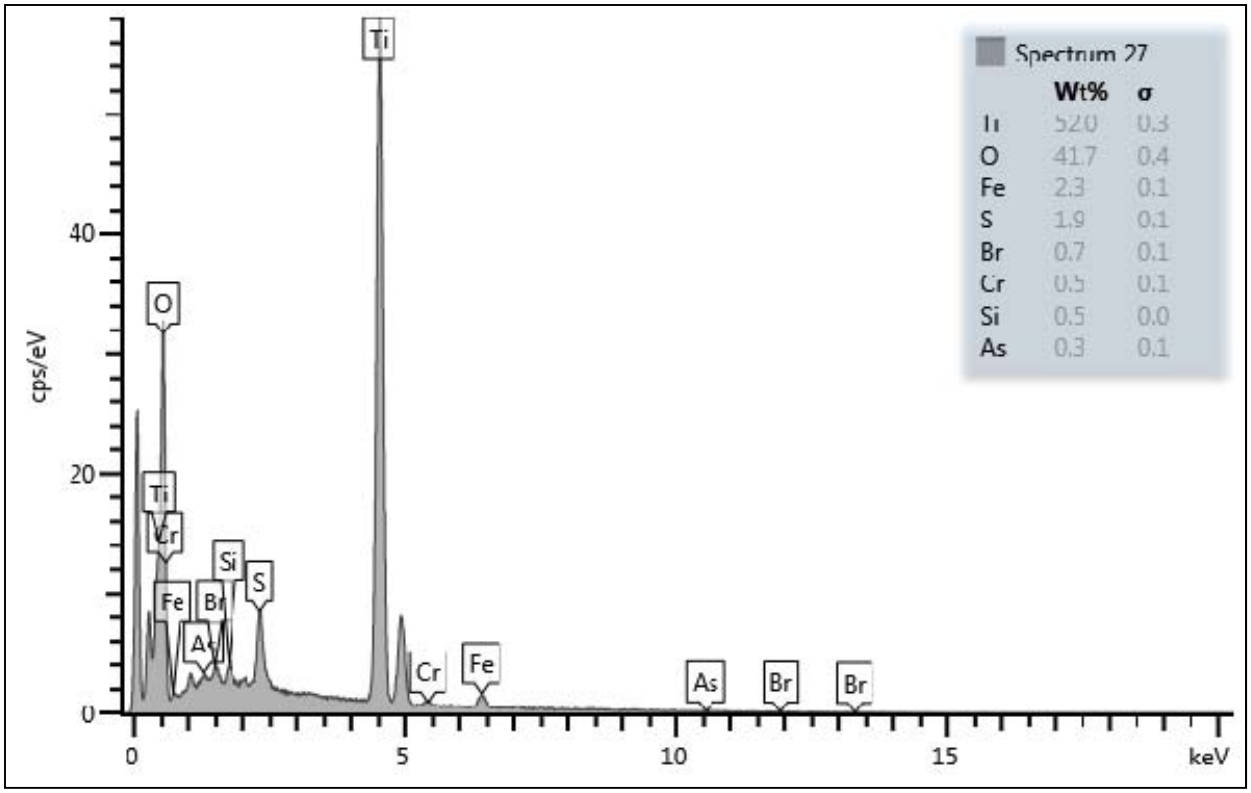
Electron Image 9





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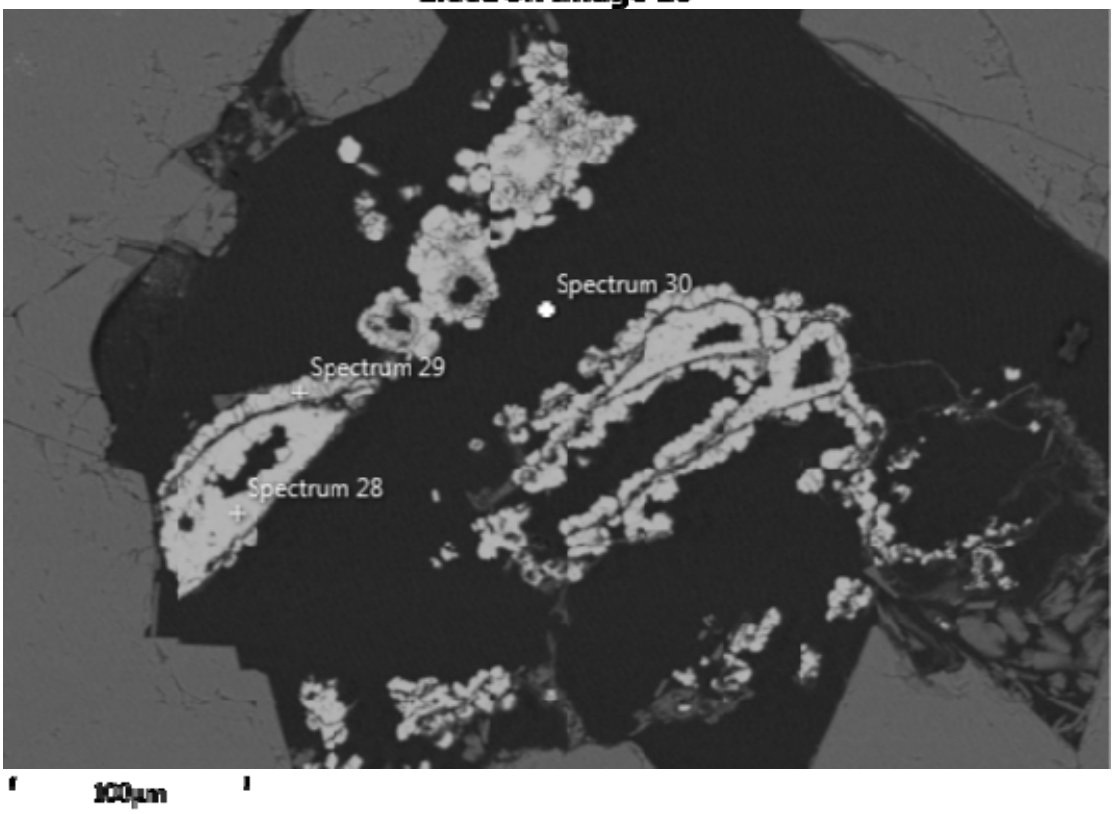
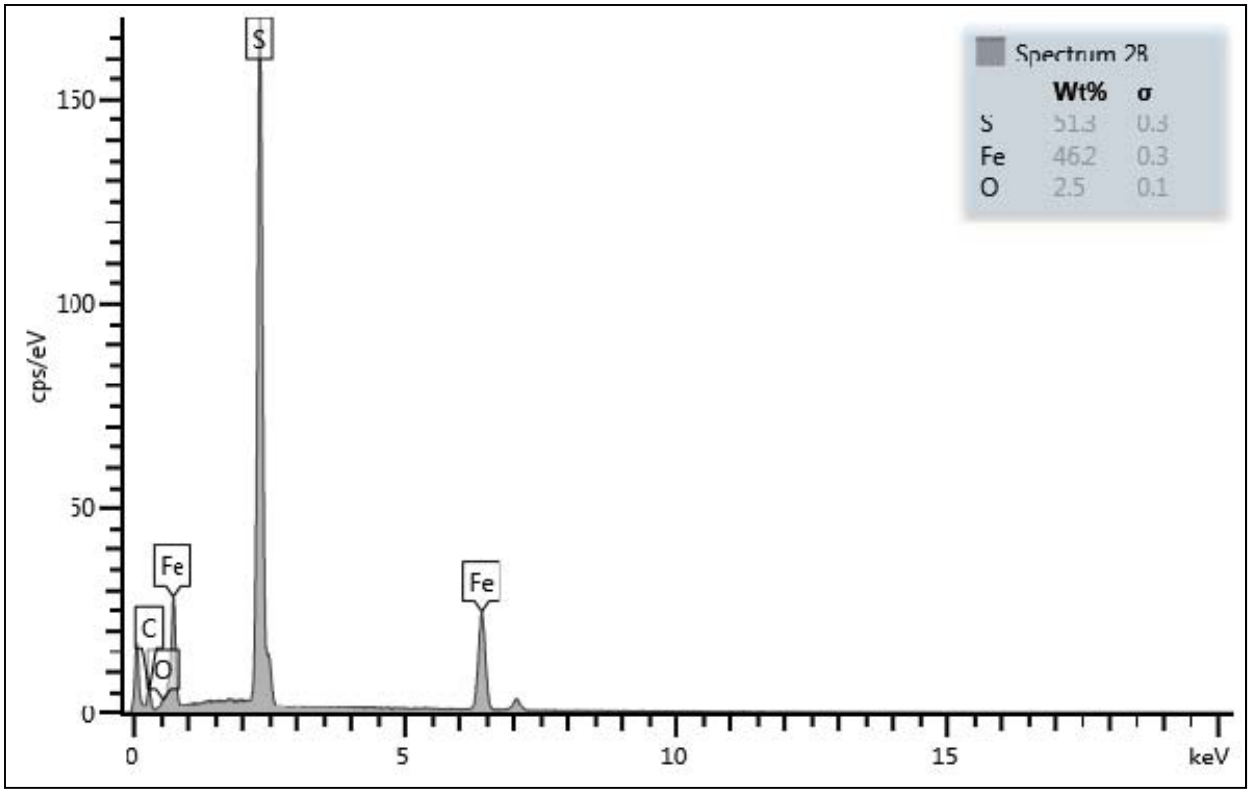
Electron Image 10





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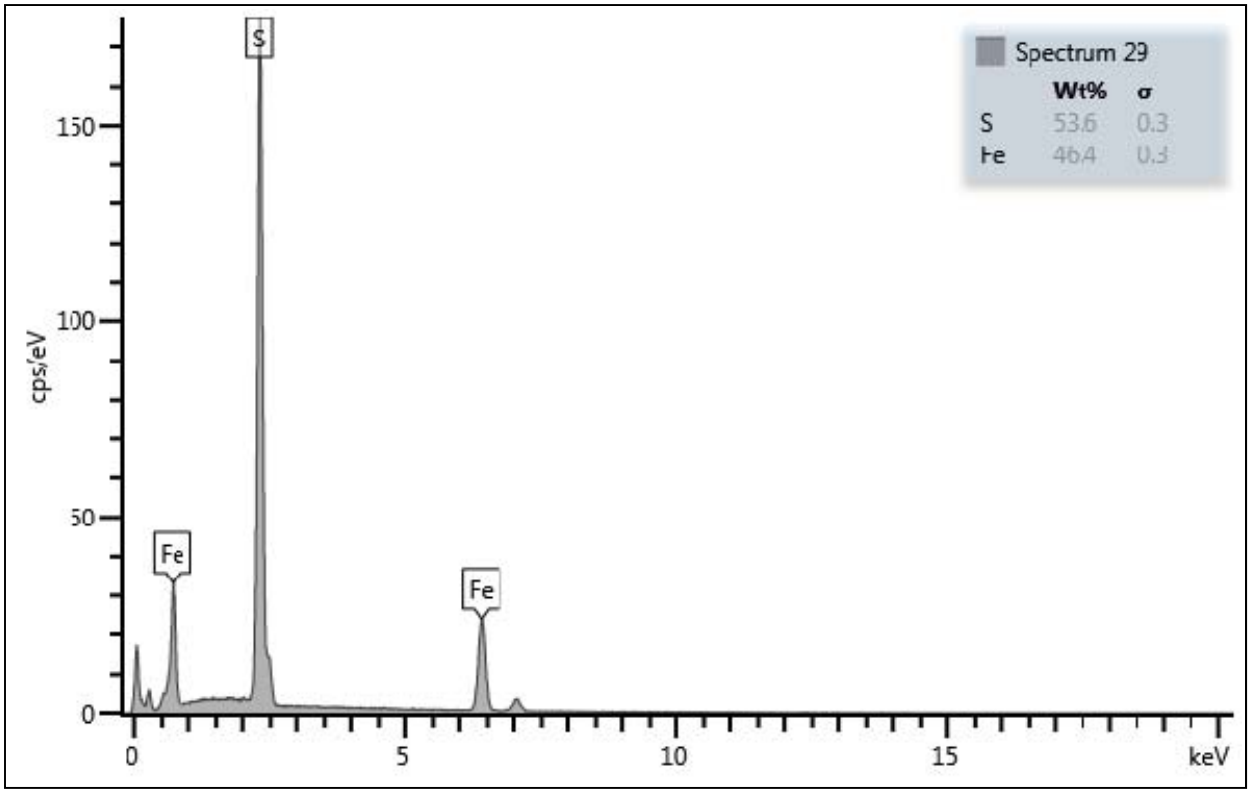

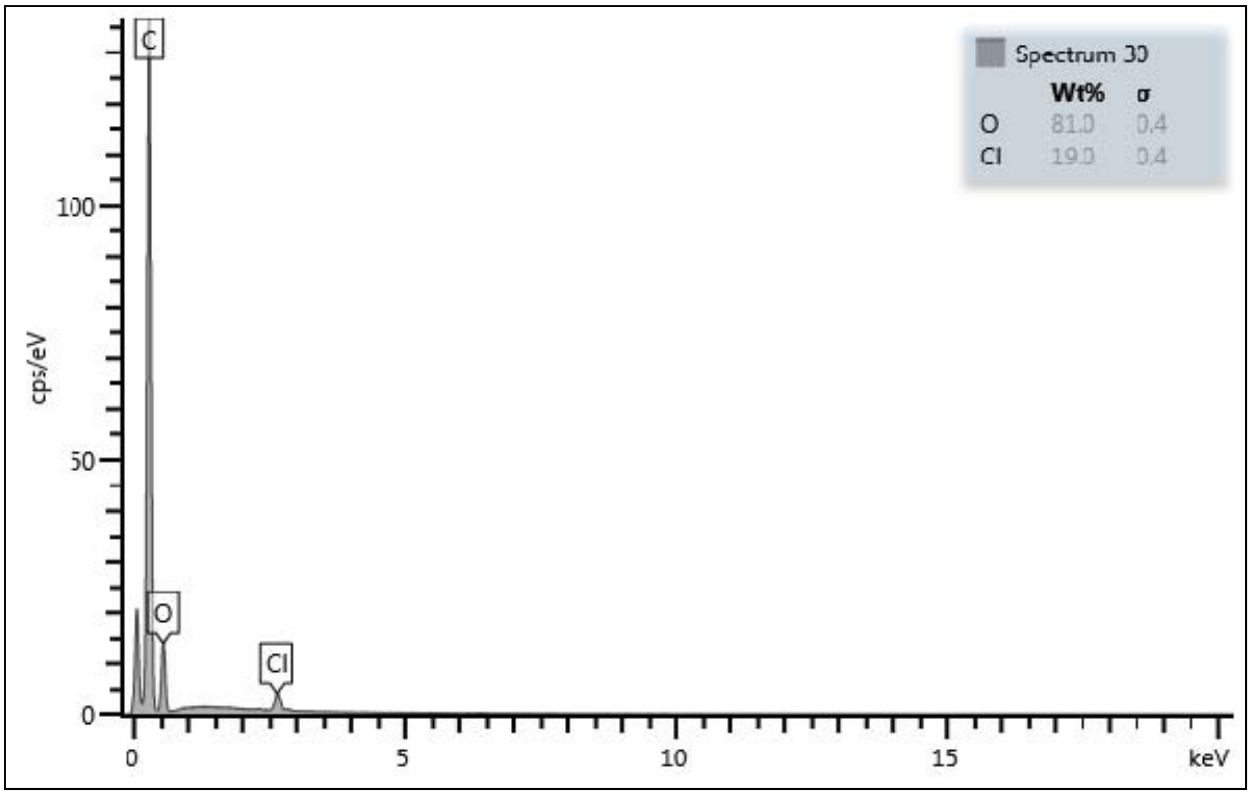

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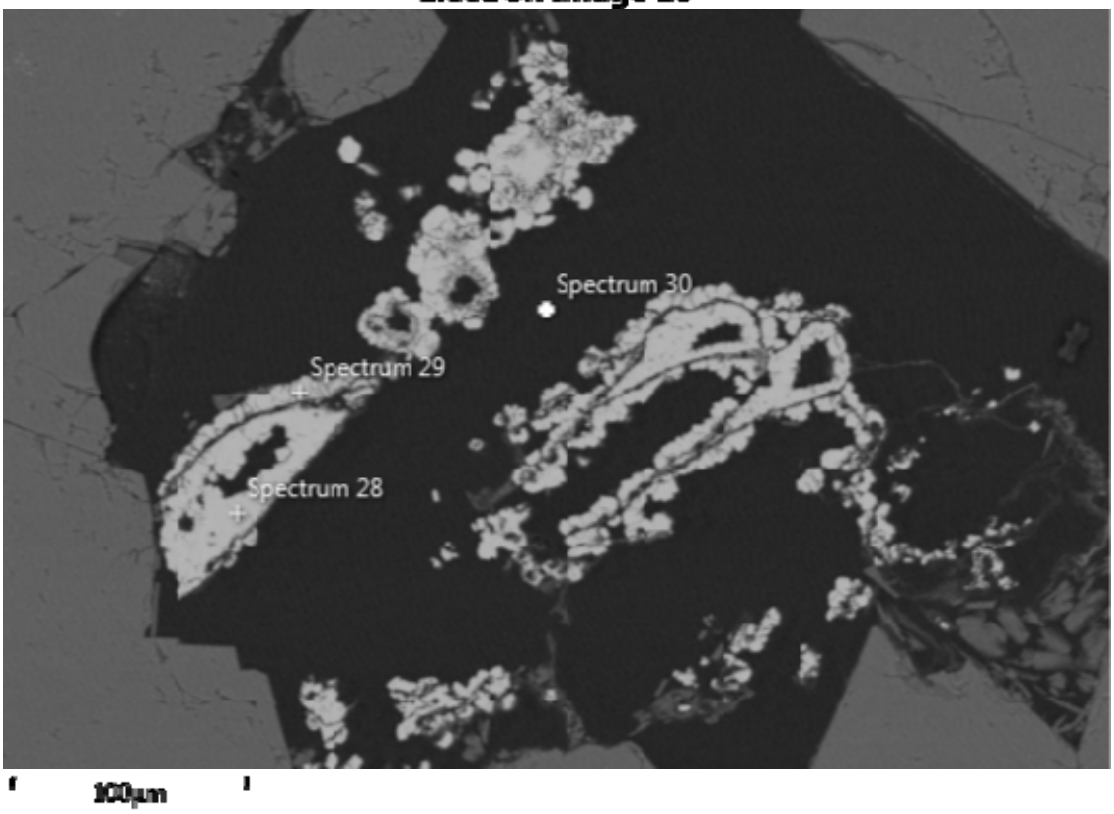
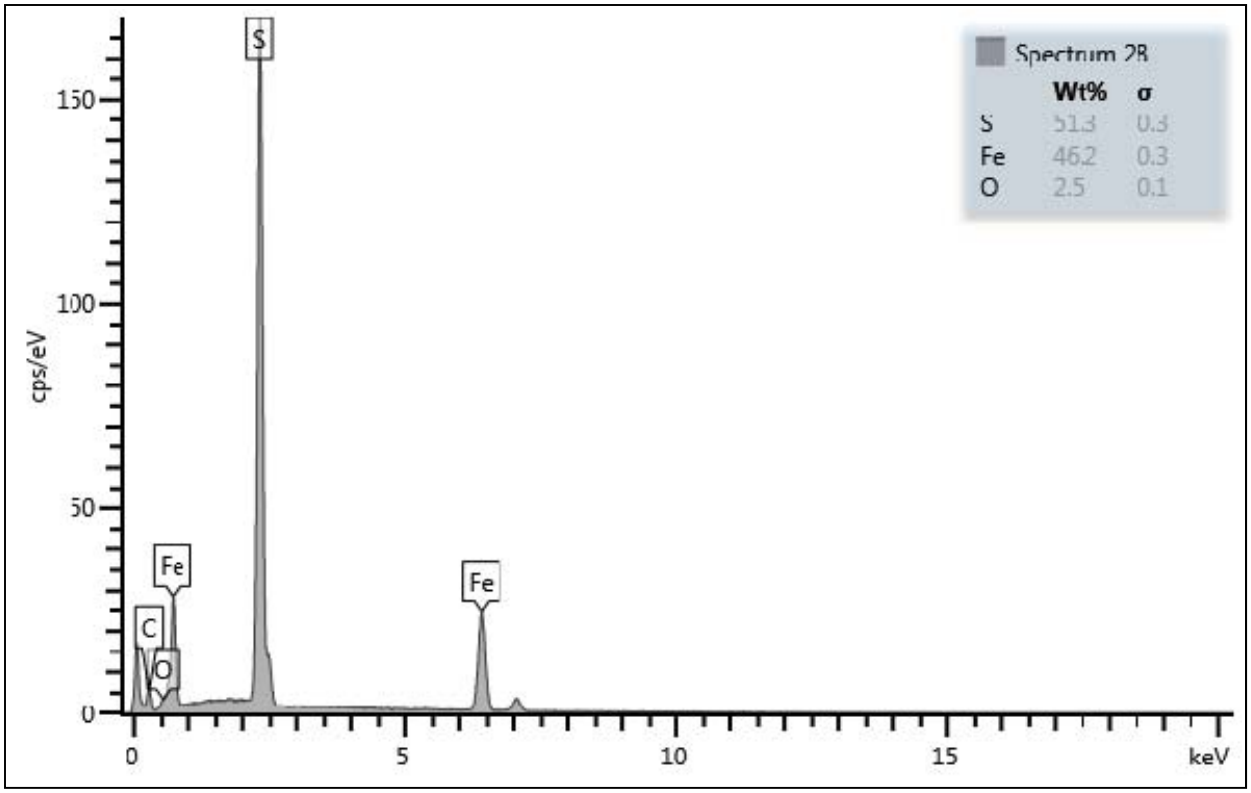
Electron Image 10





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Daneros Mine Sample D-7

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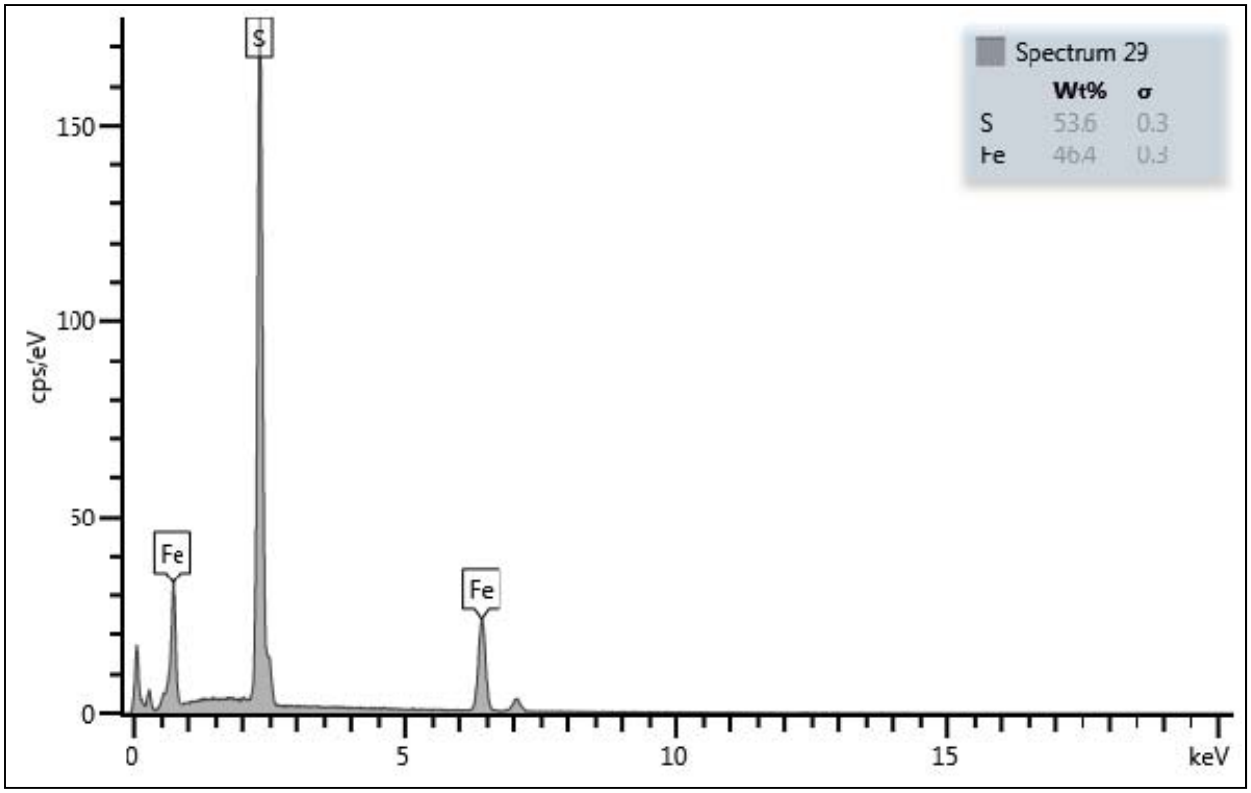

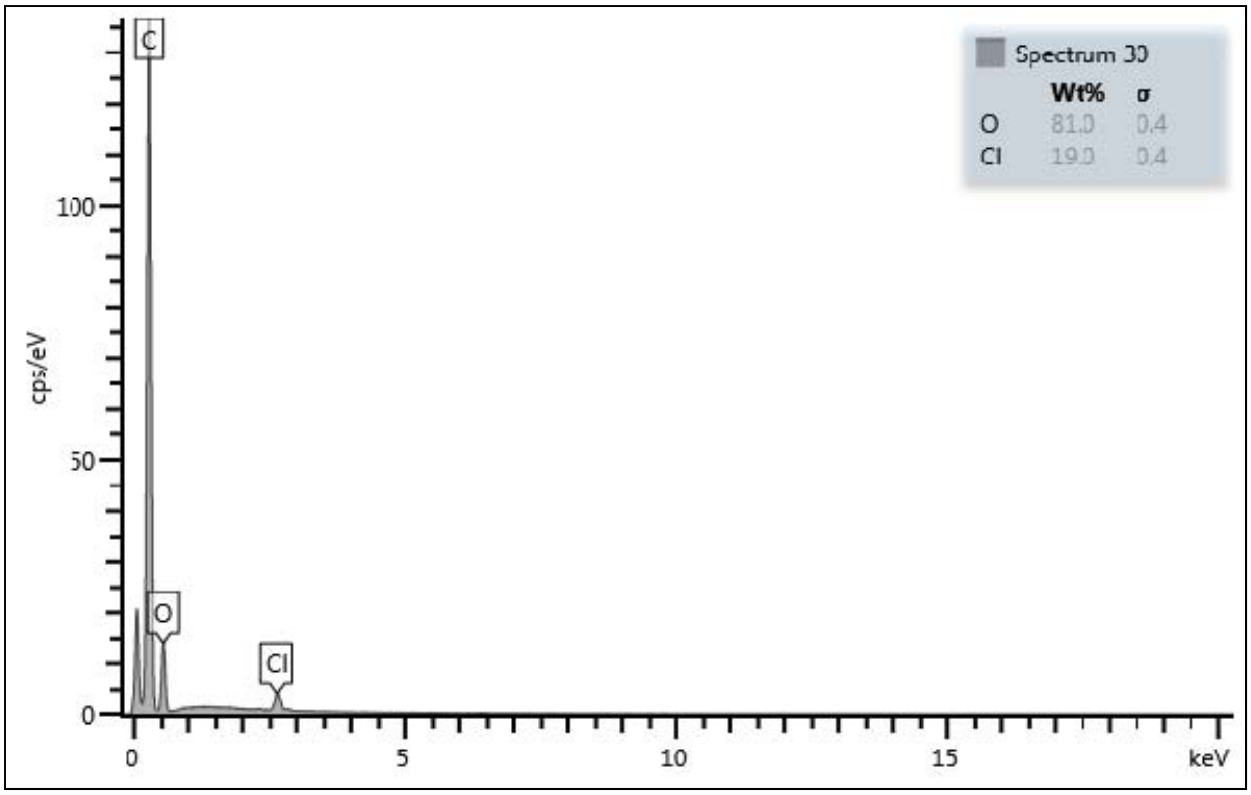

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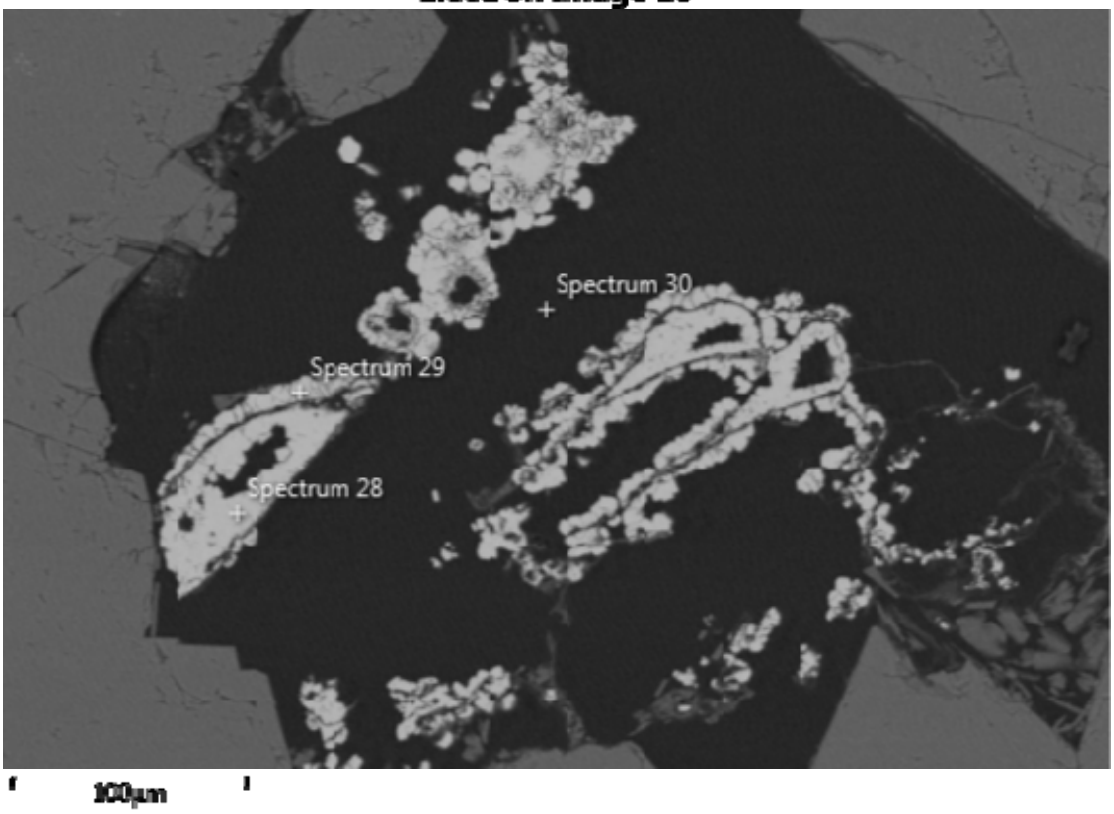
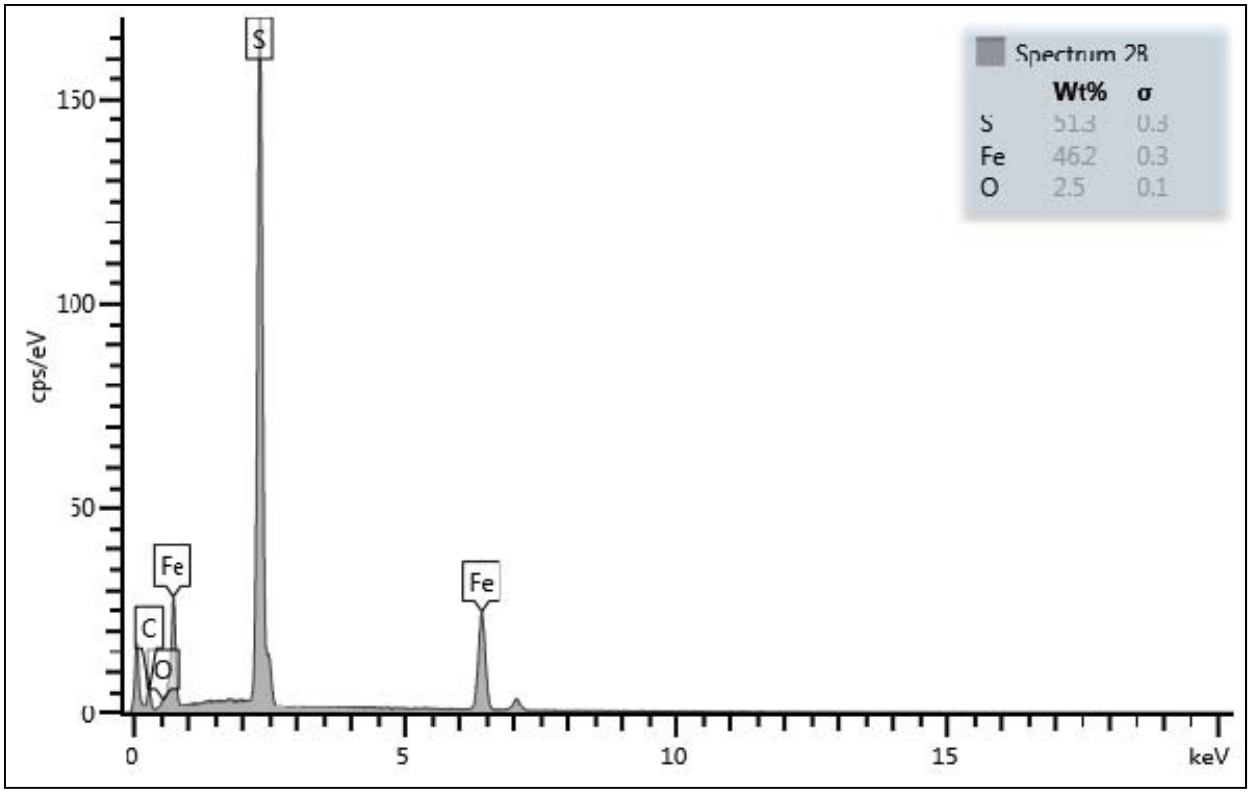
Electron Image 10





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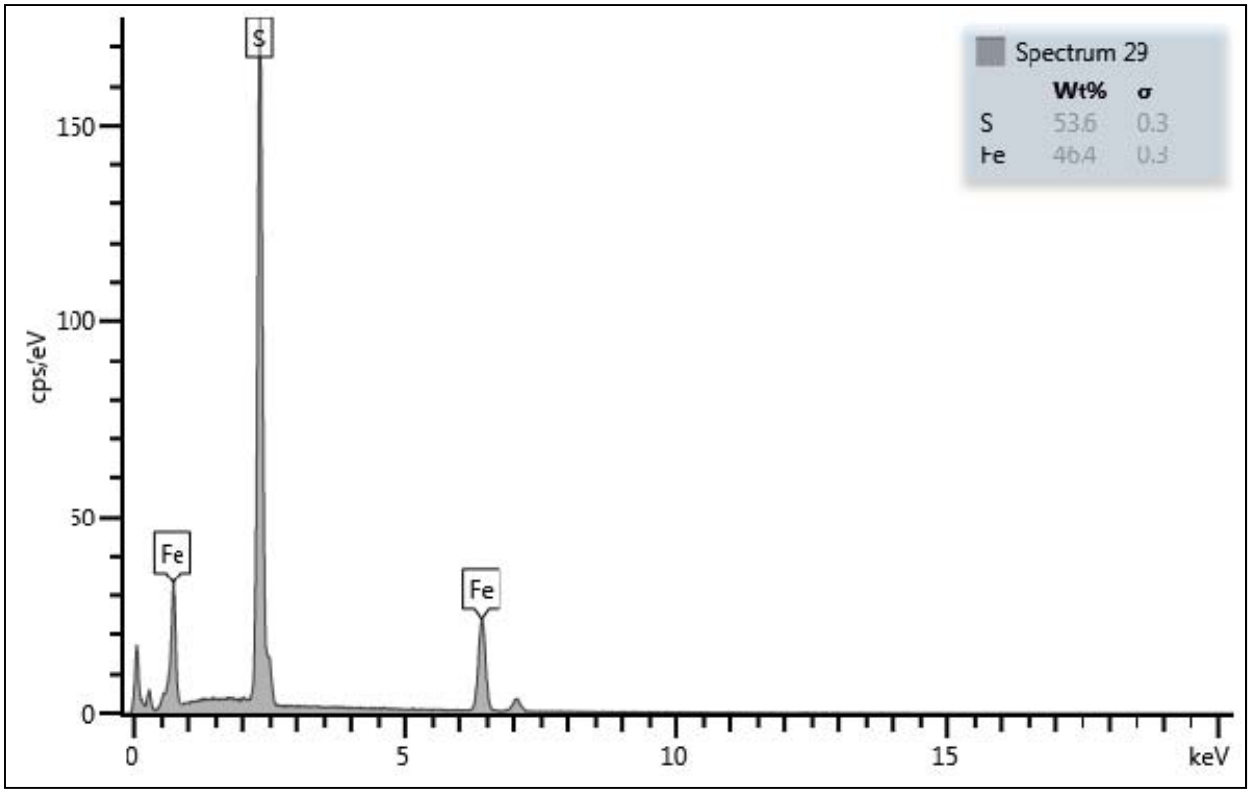
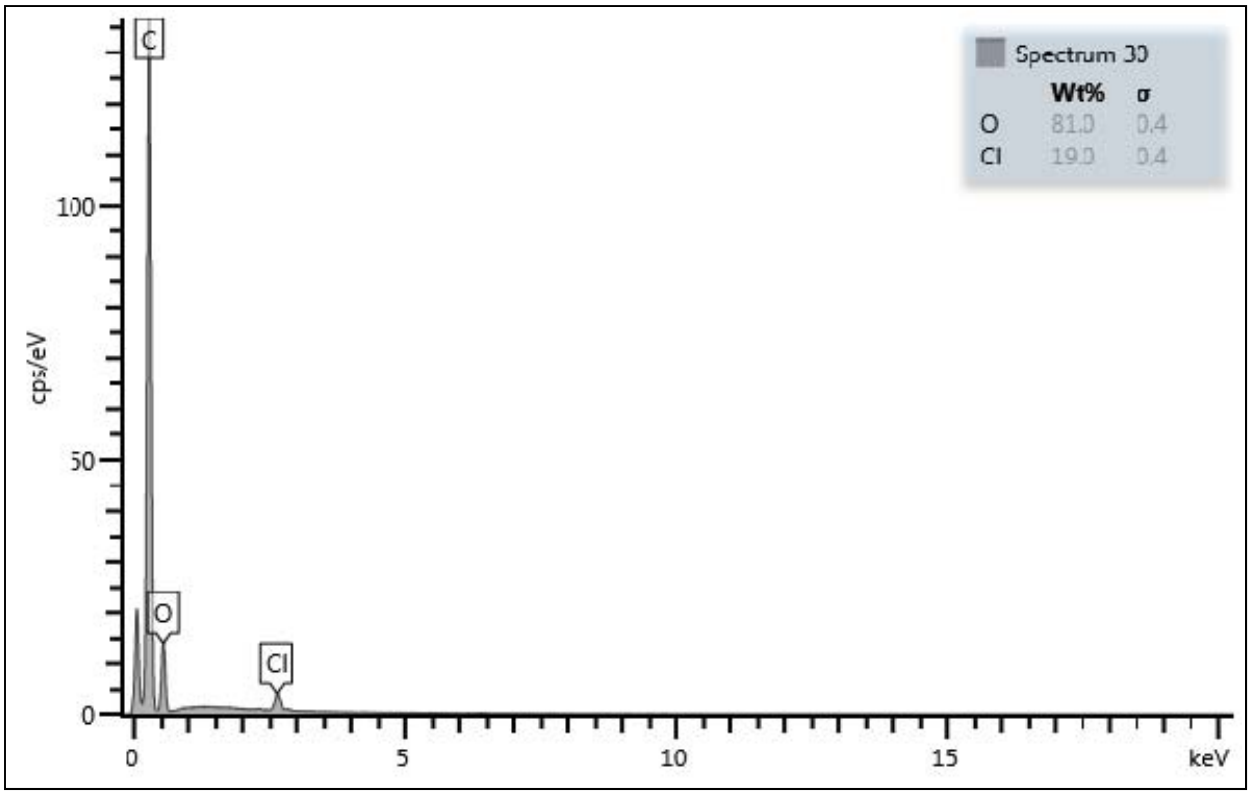
Daneros Mine Sample D-7

9/11/2012





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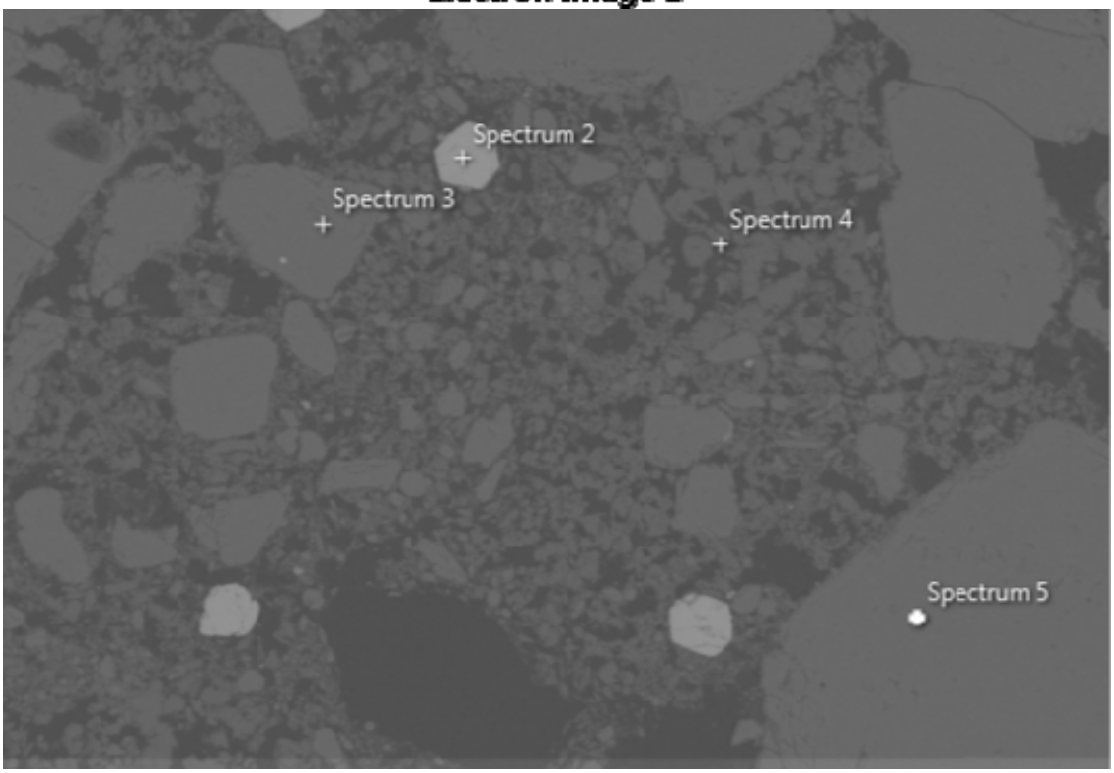
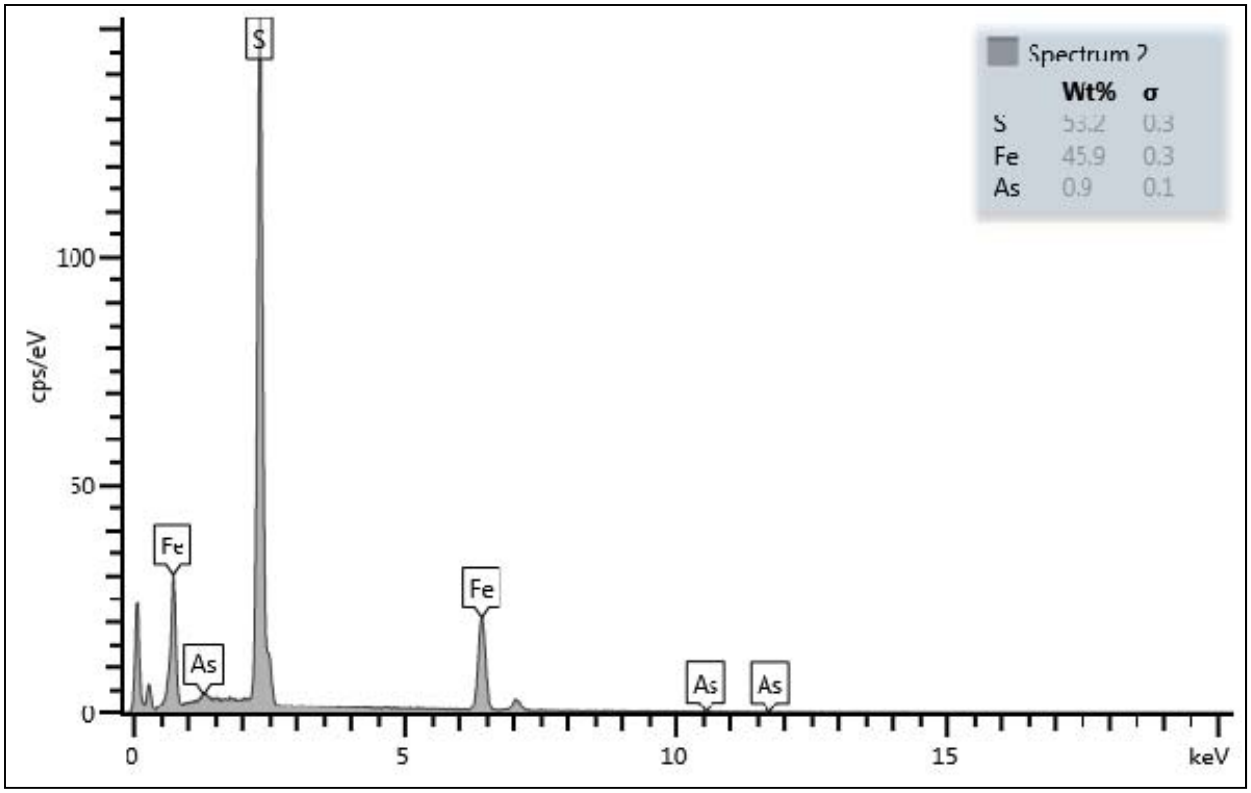
Daneros Mine Sample D-8 9/11/2012

Electron Image 1



100µm



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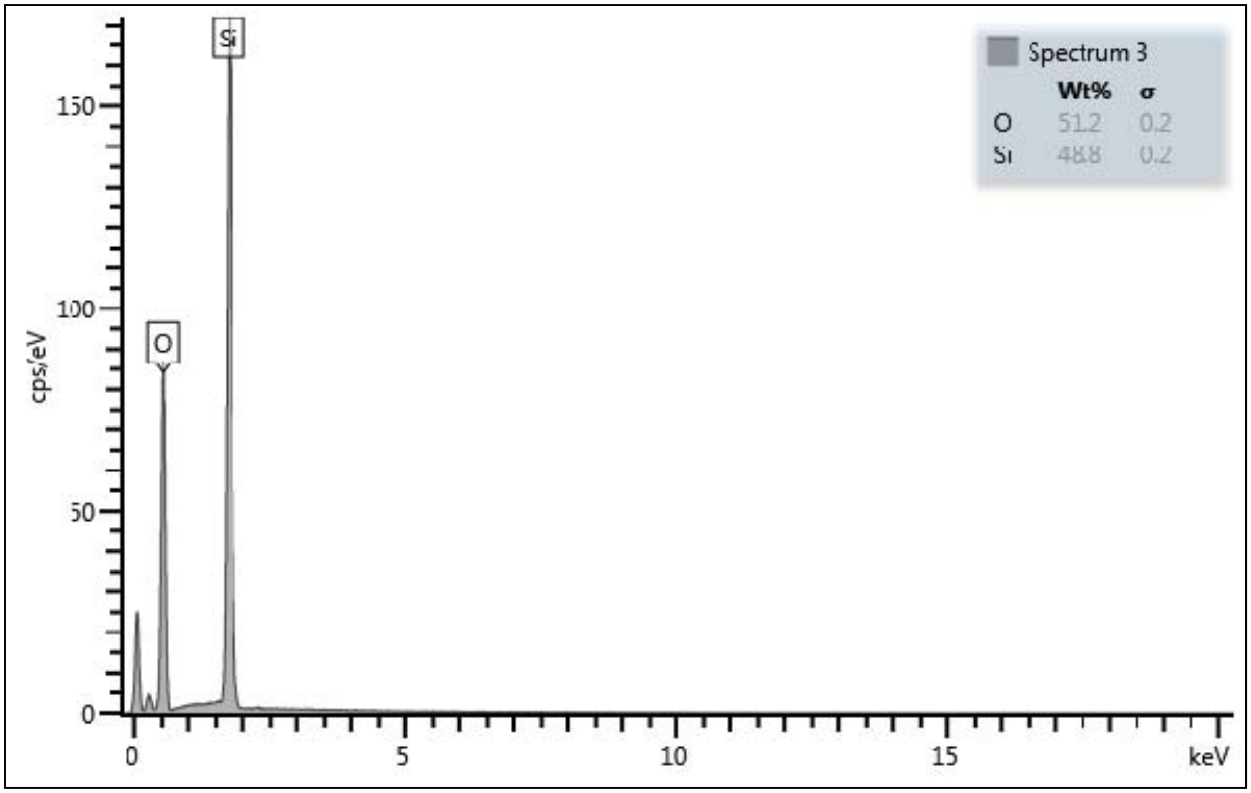
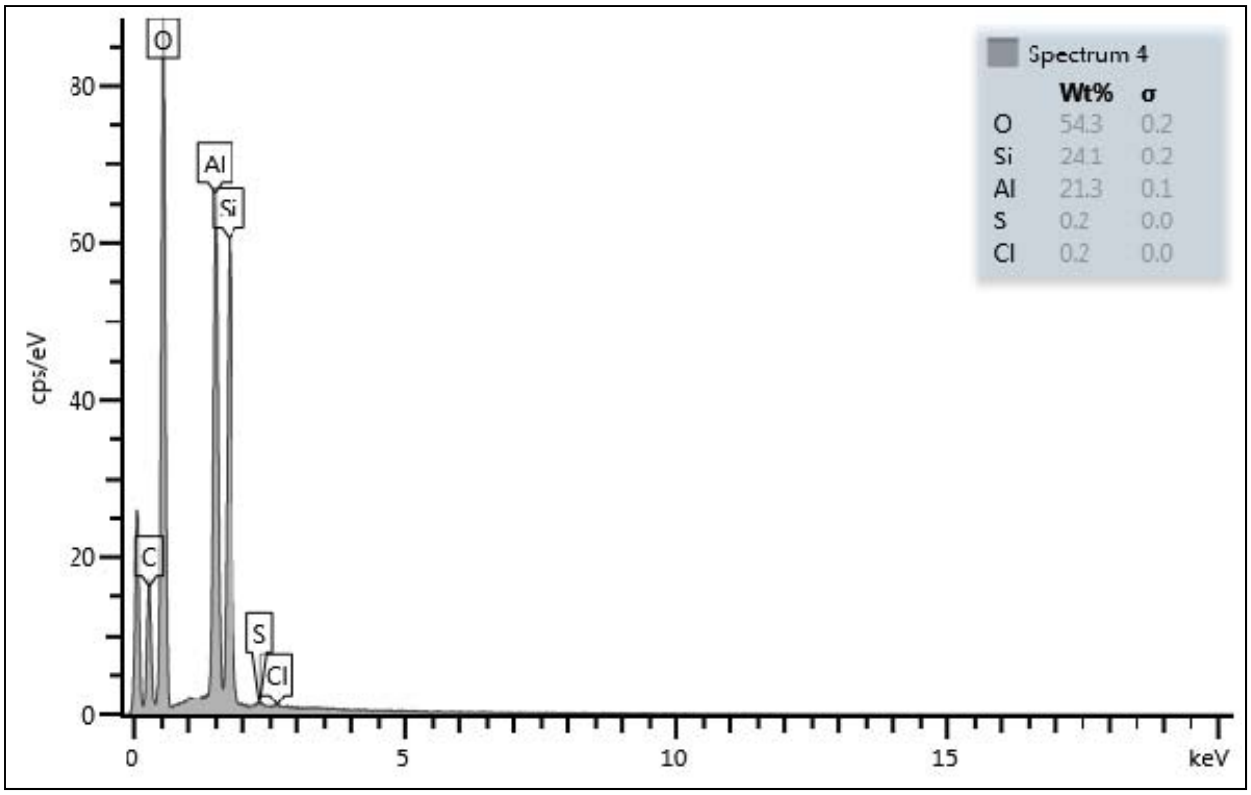
9/11/2012





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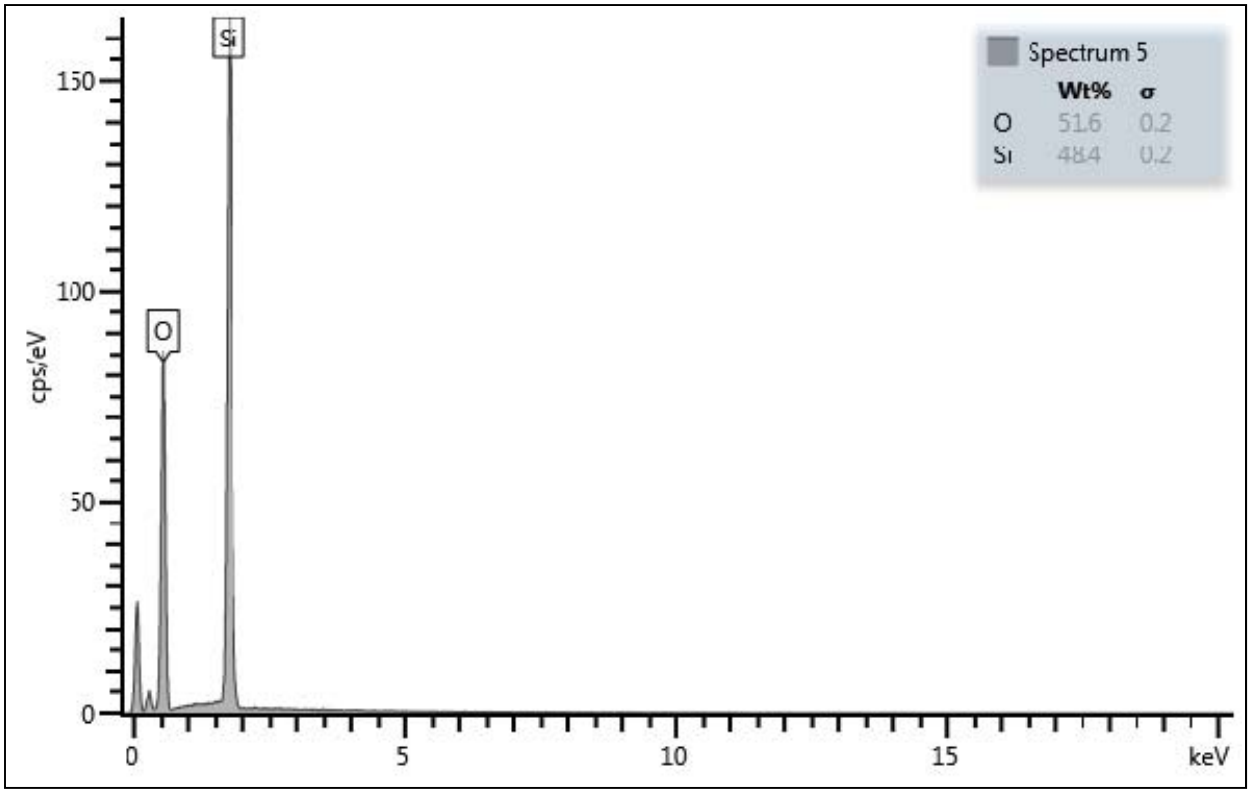
9/11/2012



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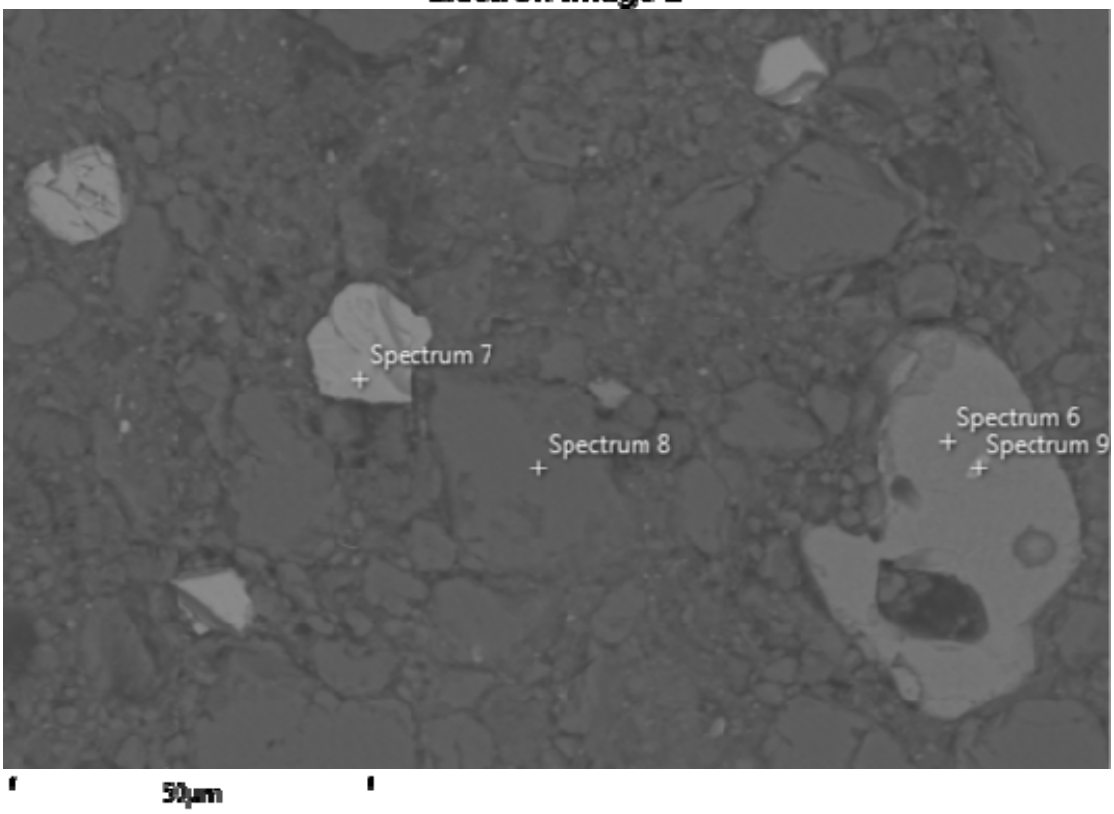
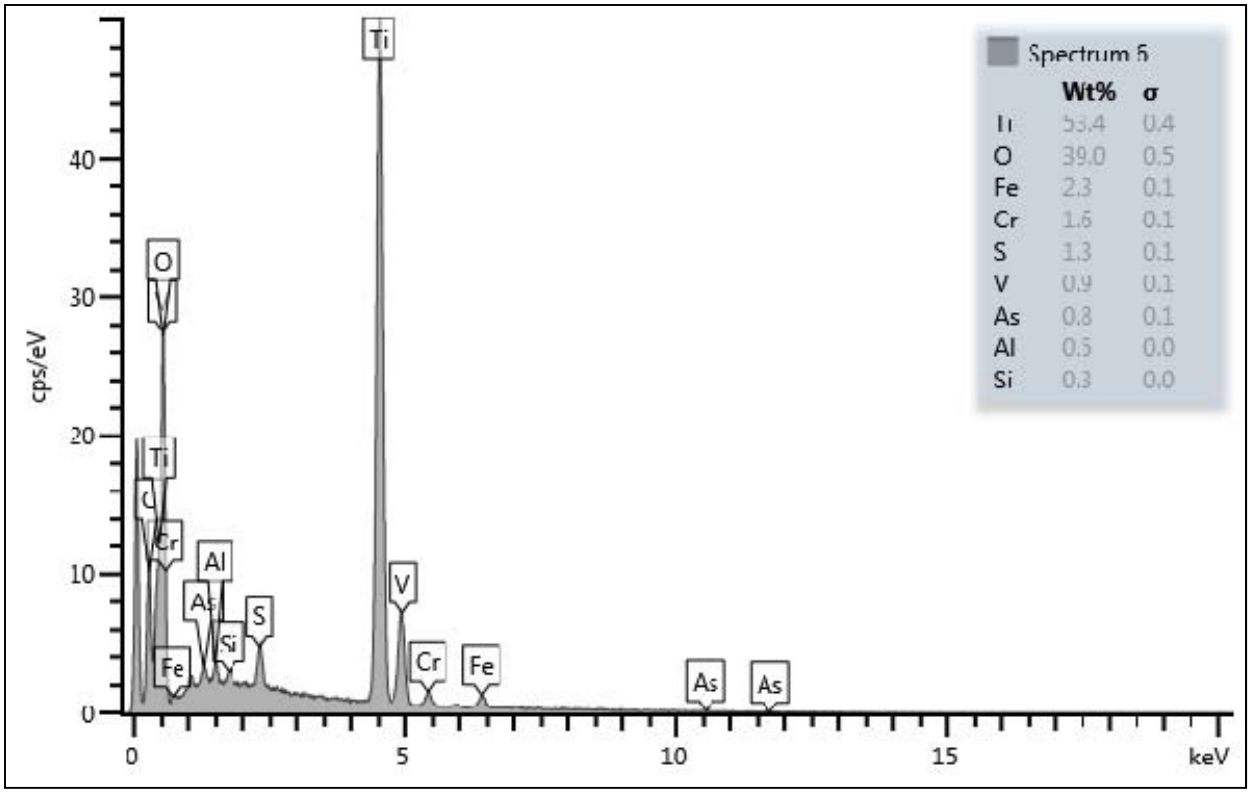
Electron Image 2





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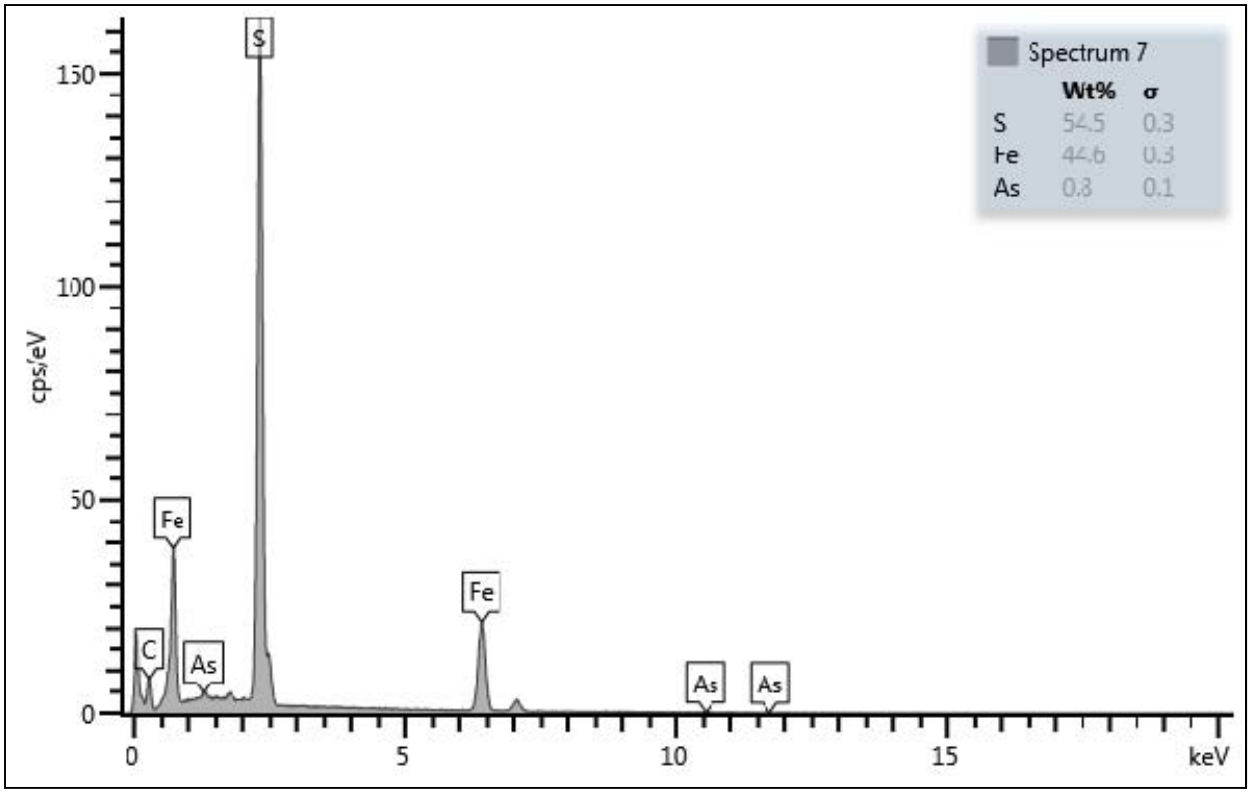
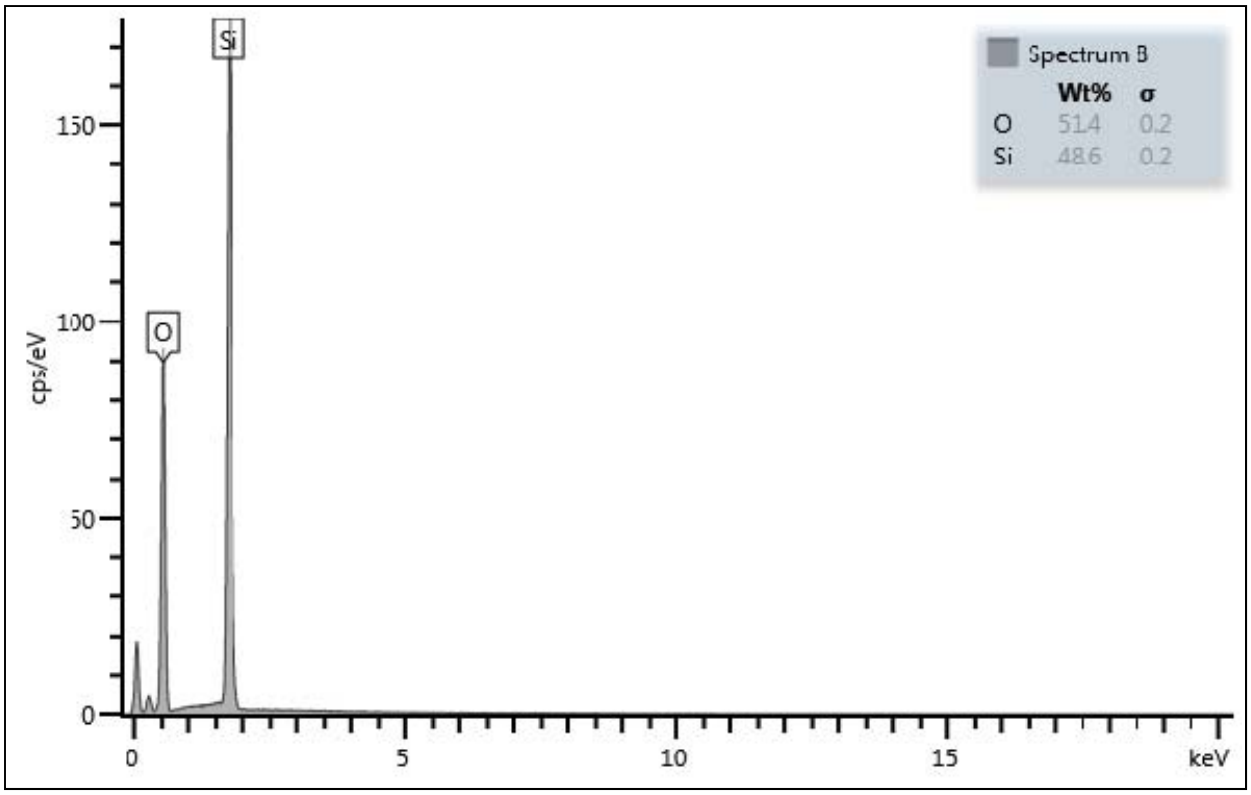
9/11/2012





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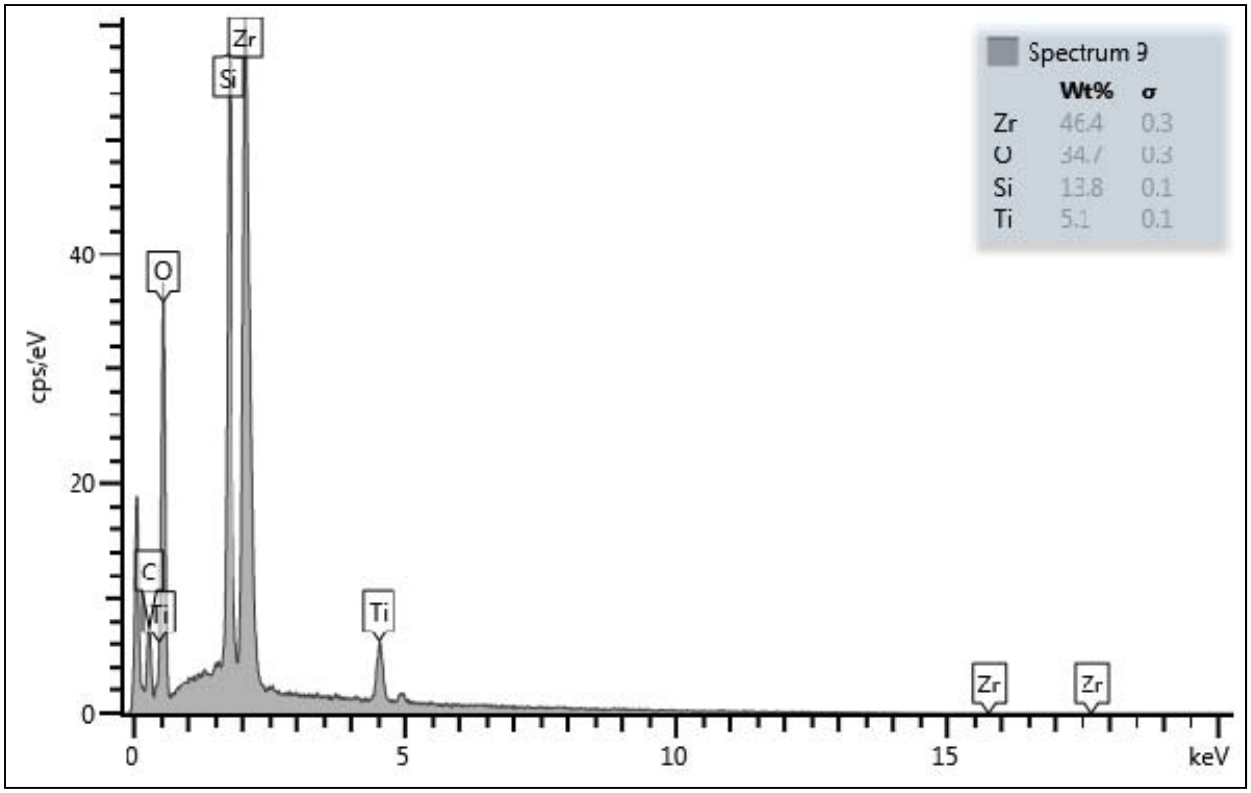
9/11/2012



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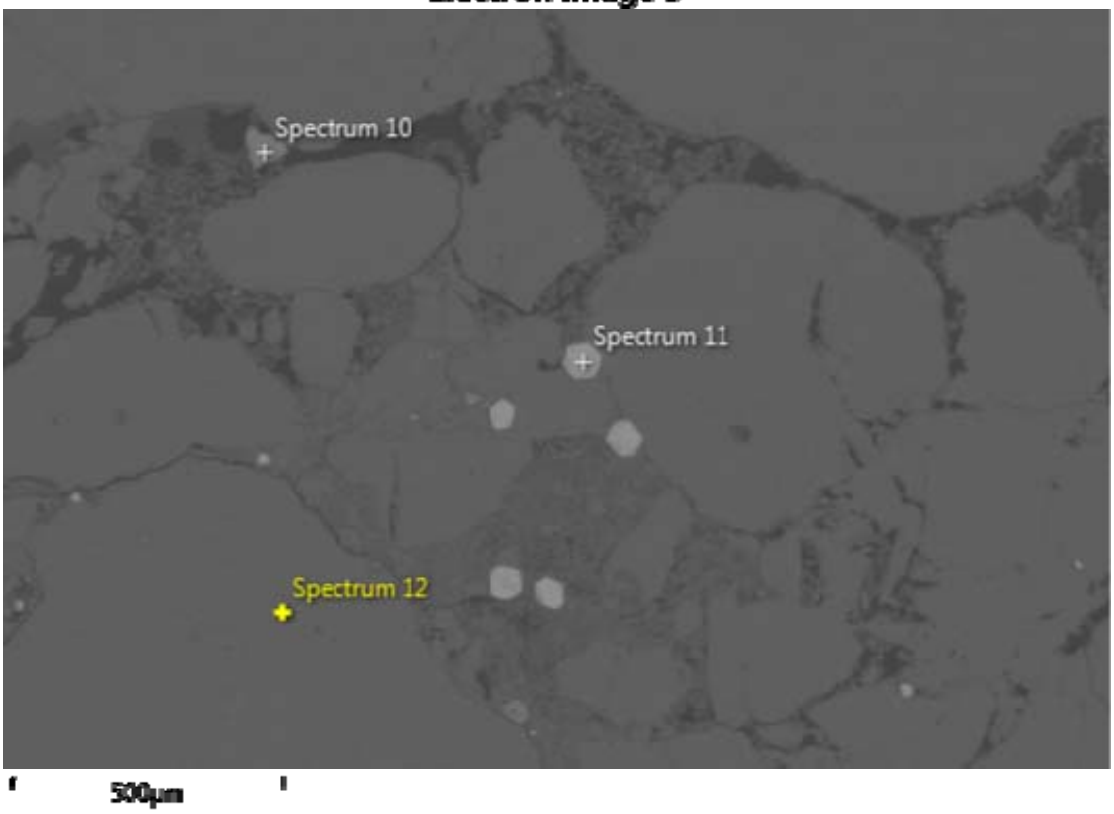
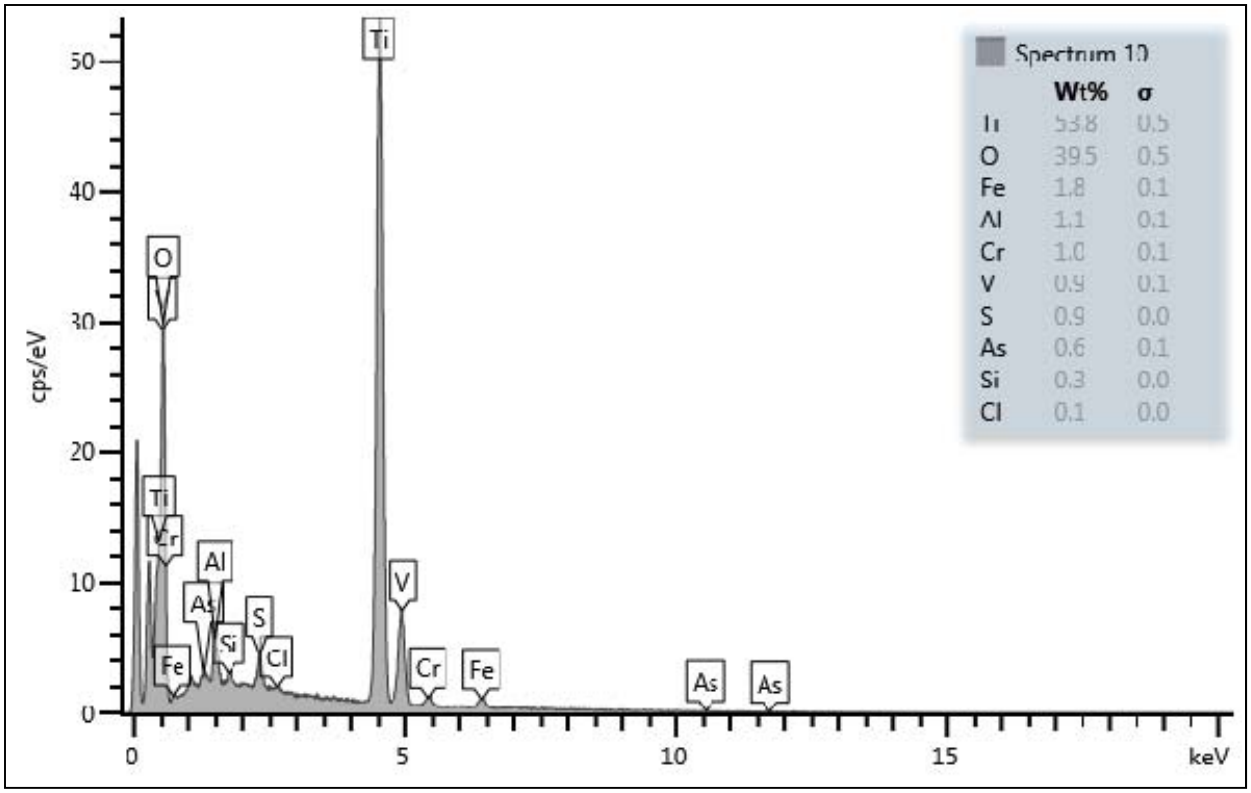
Electron Image 3





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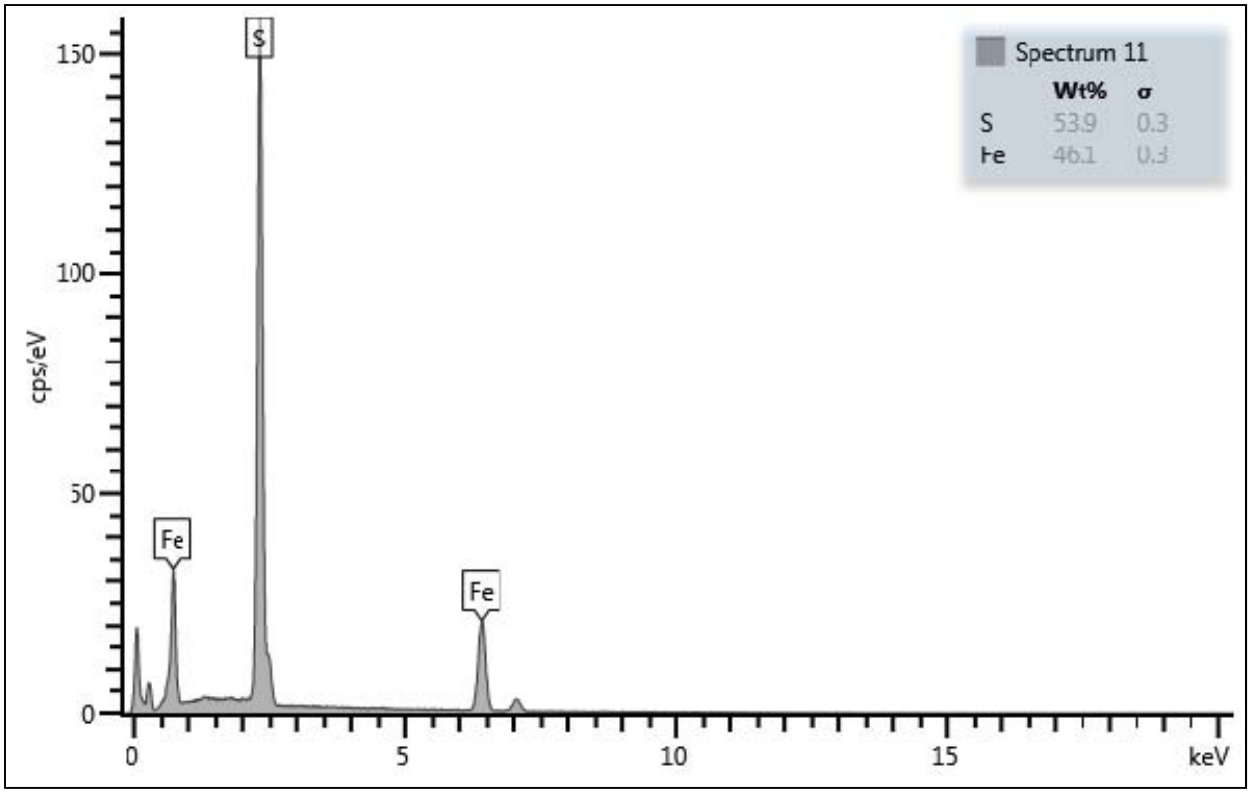
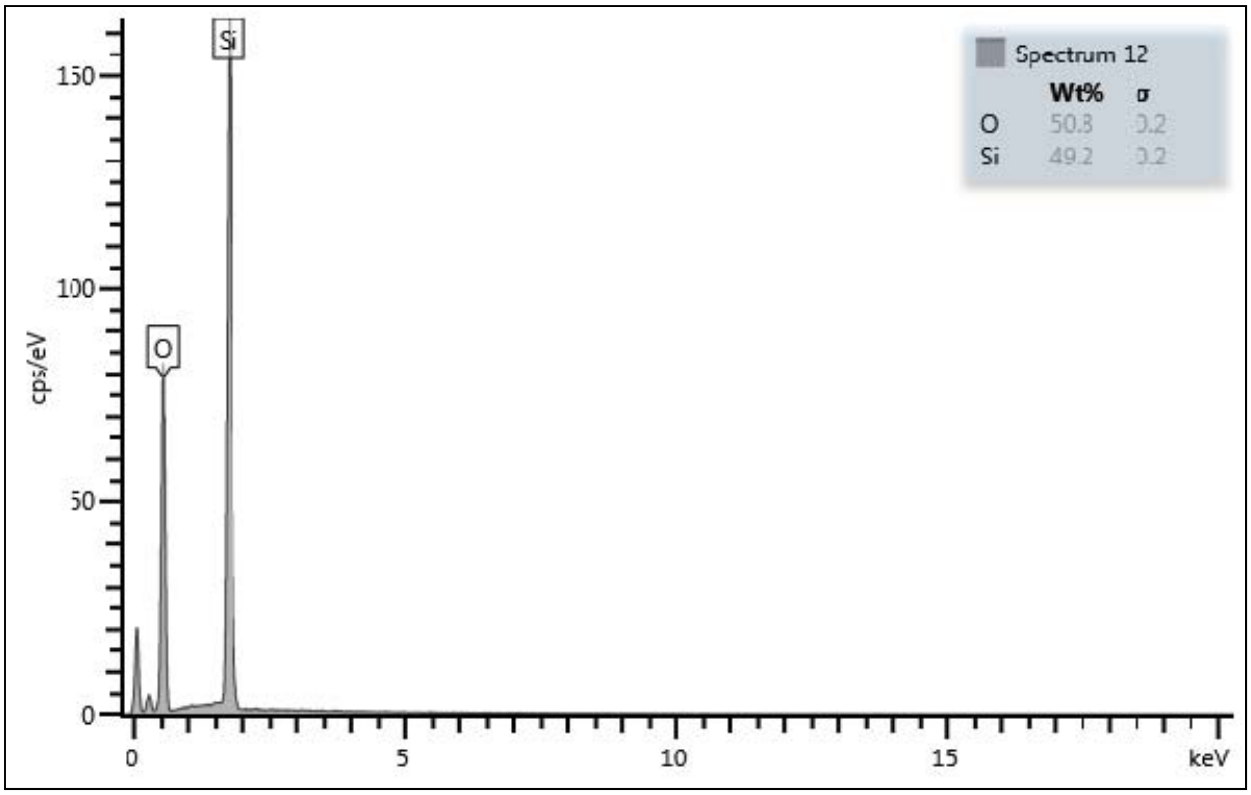
9/11/2012





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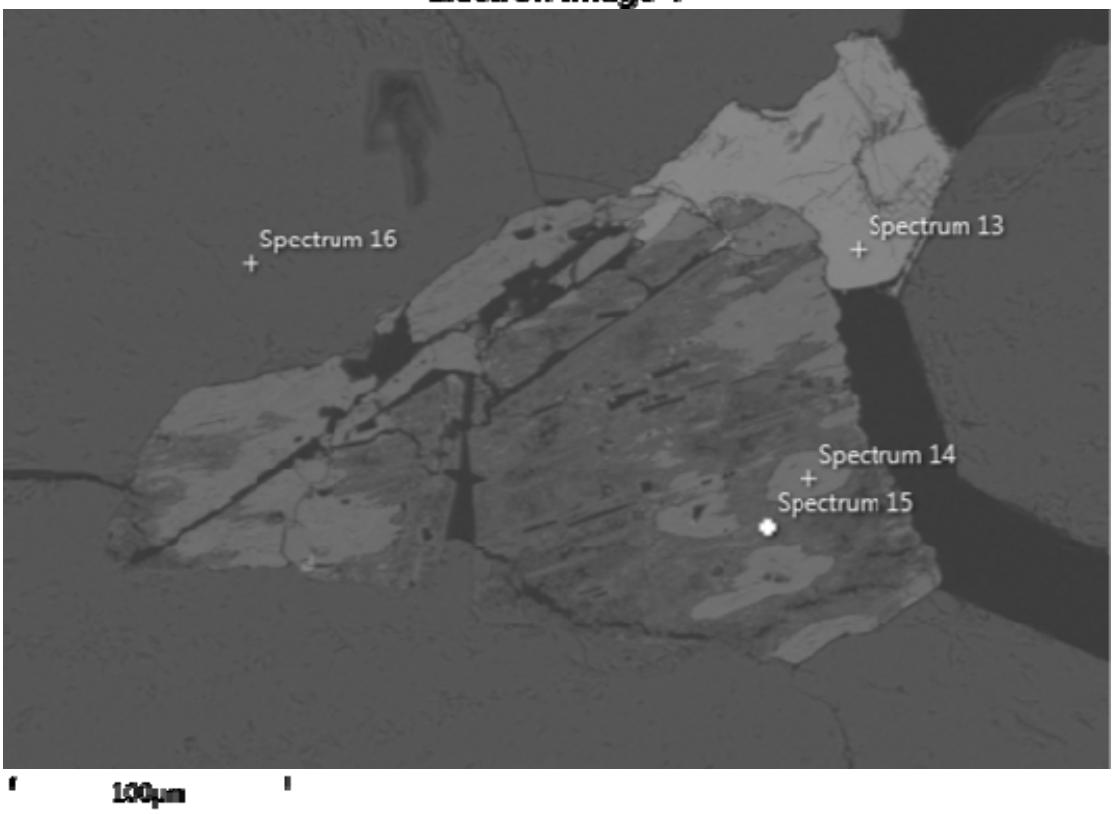
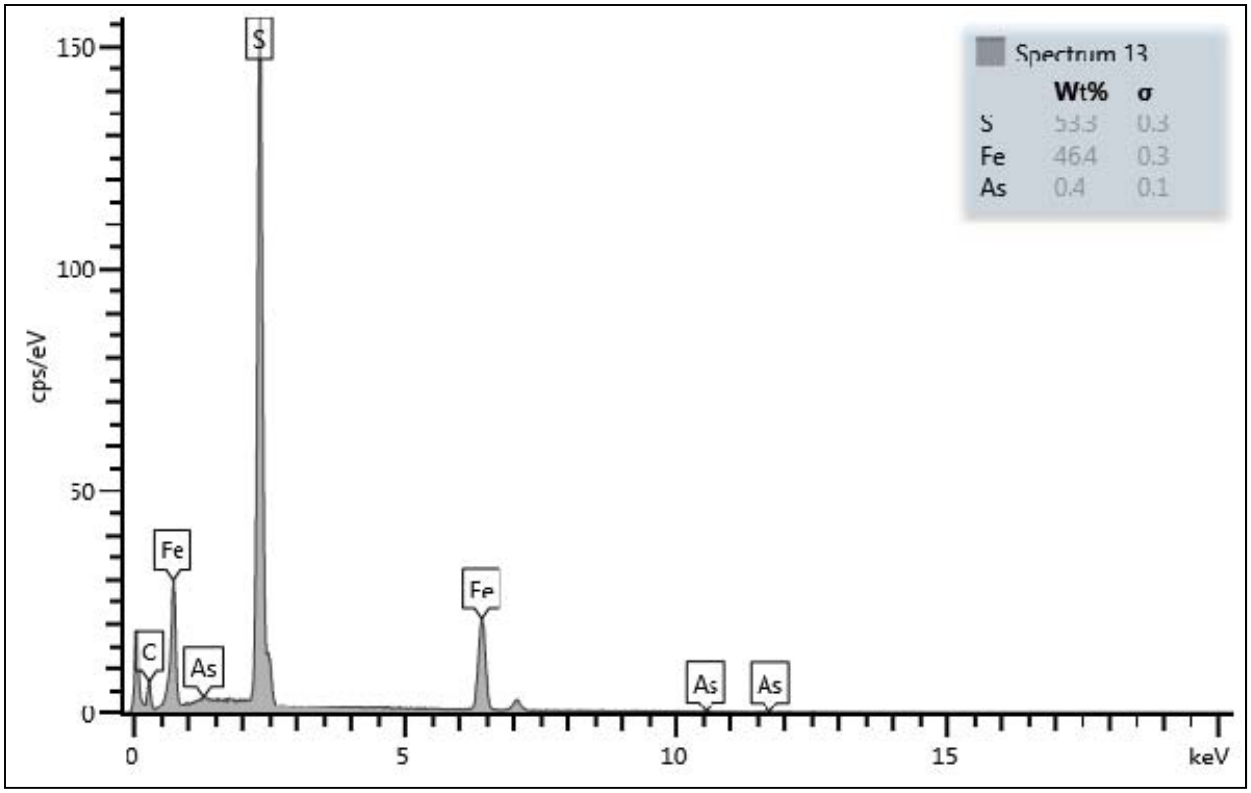
Electron Image 4





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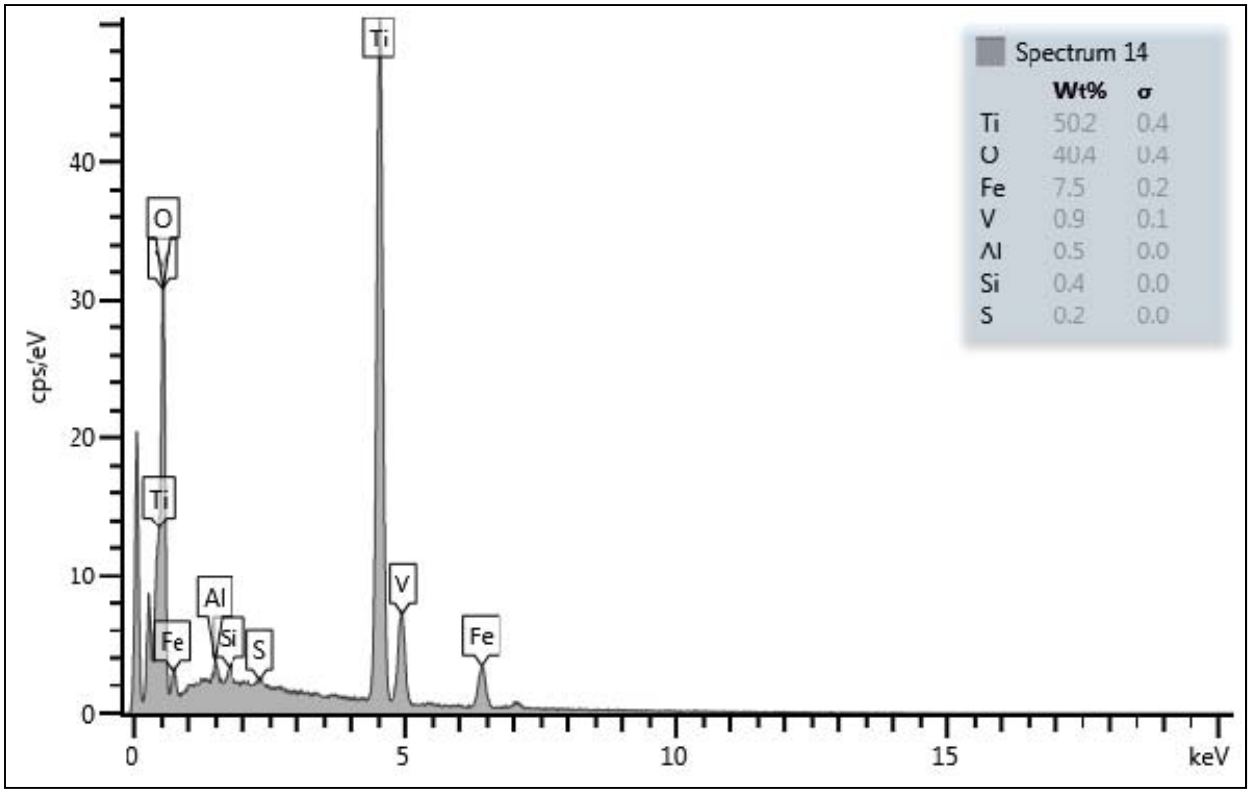
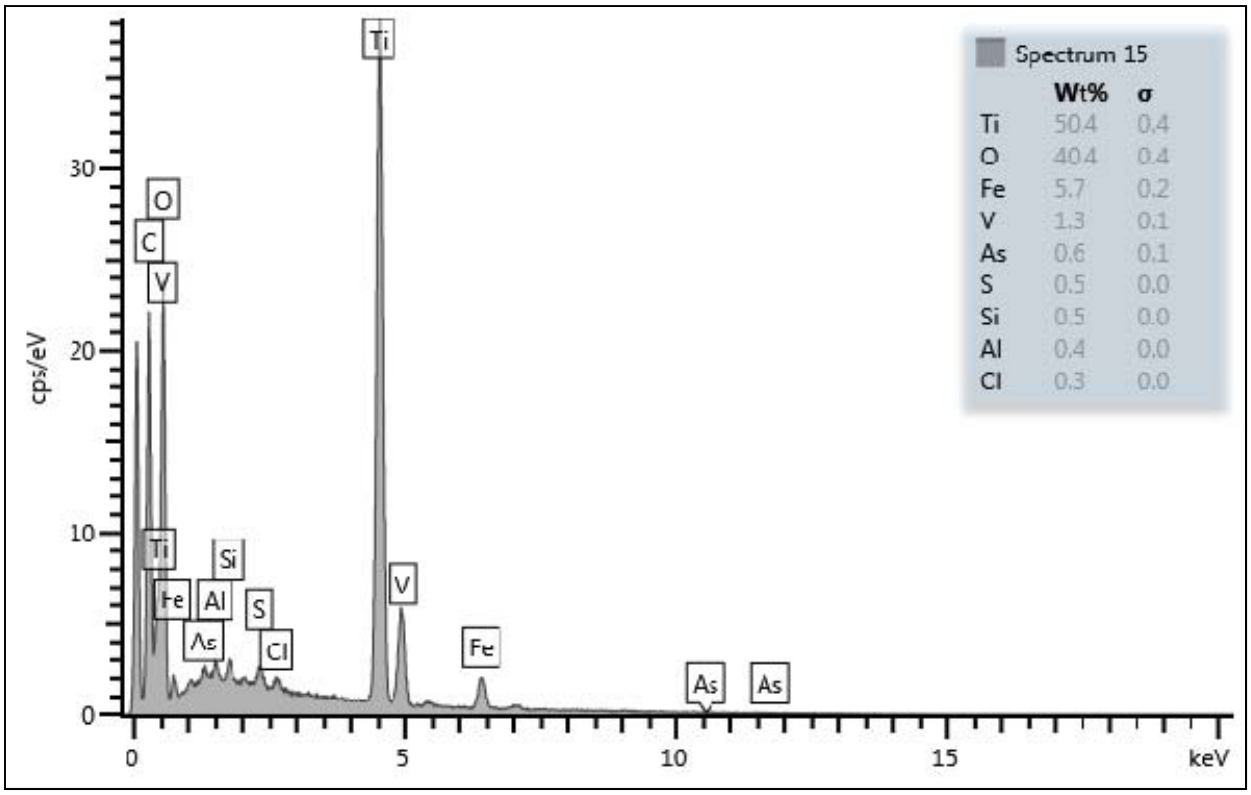
Daneros Mine Sample D-8

9/11/2012





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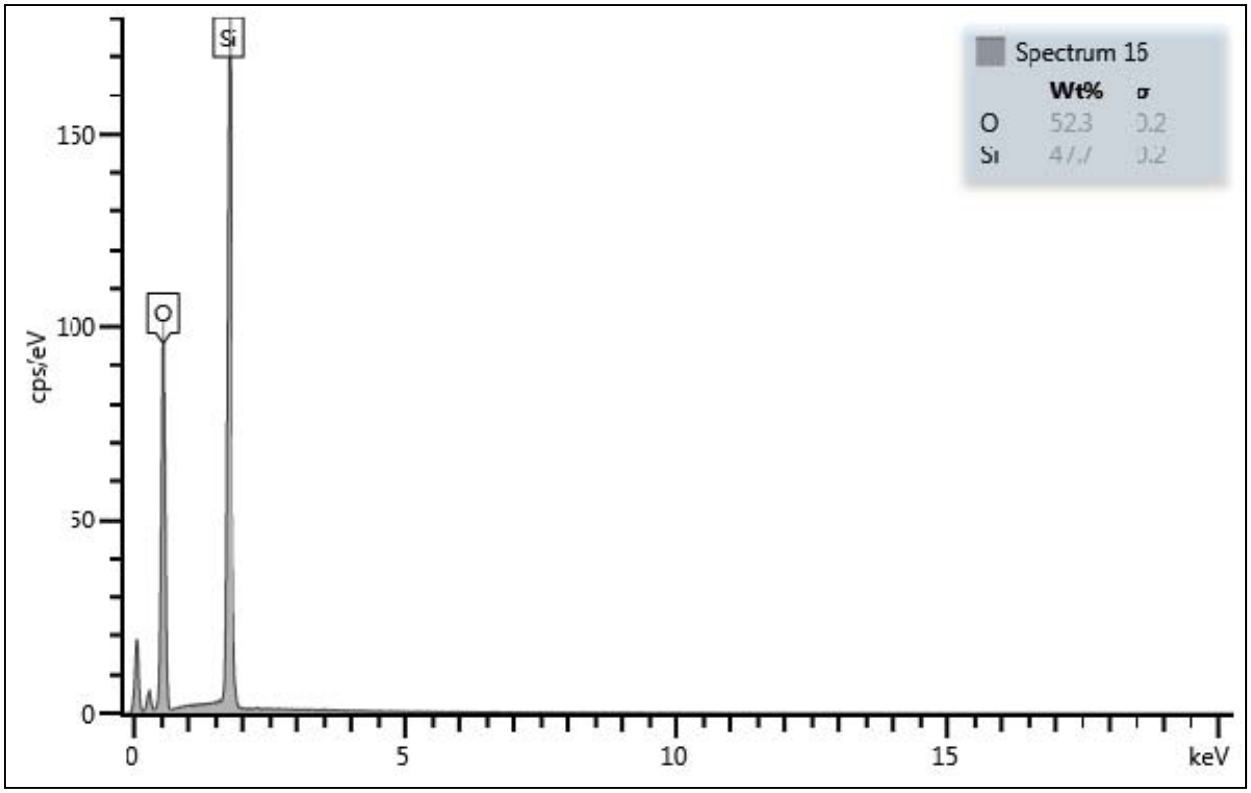
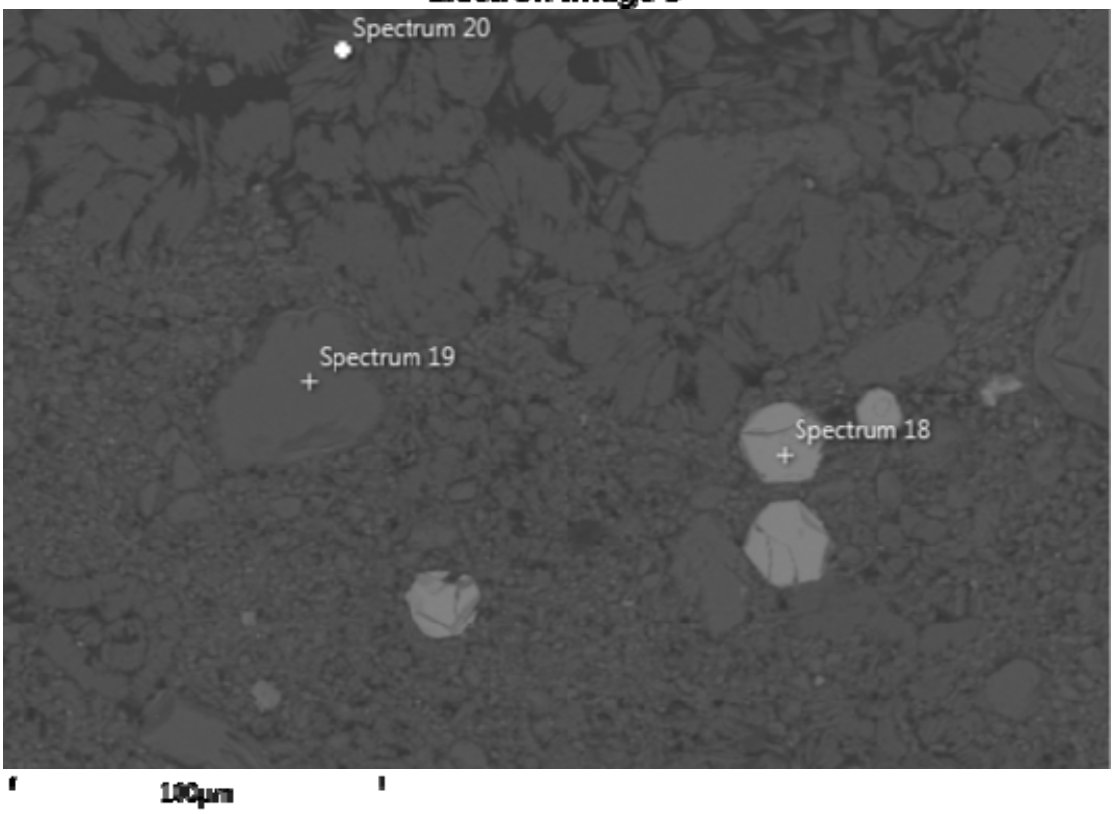
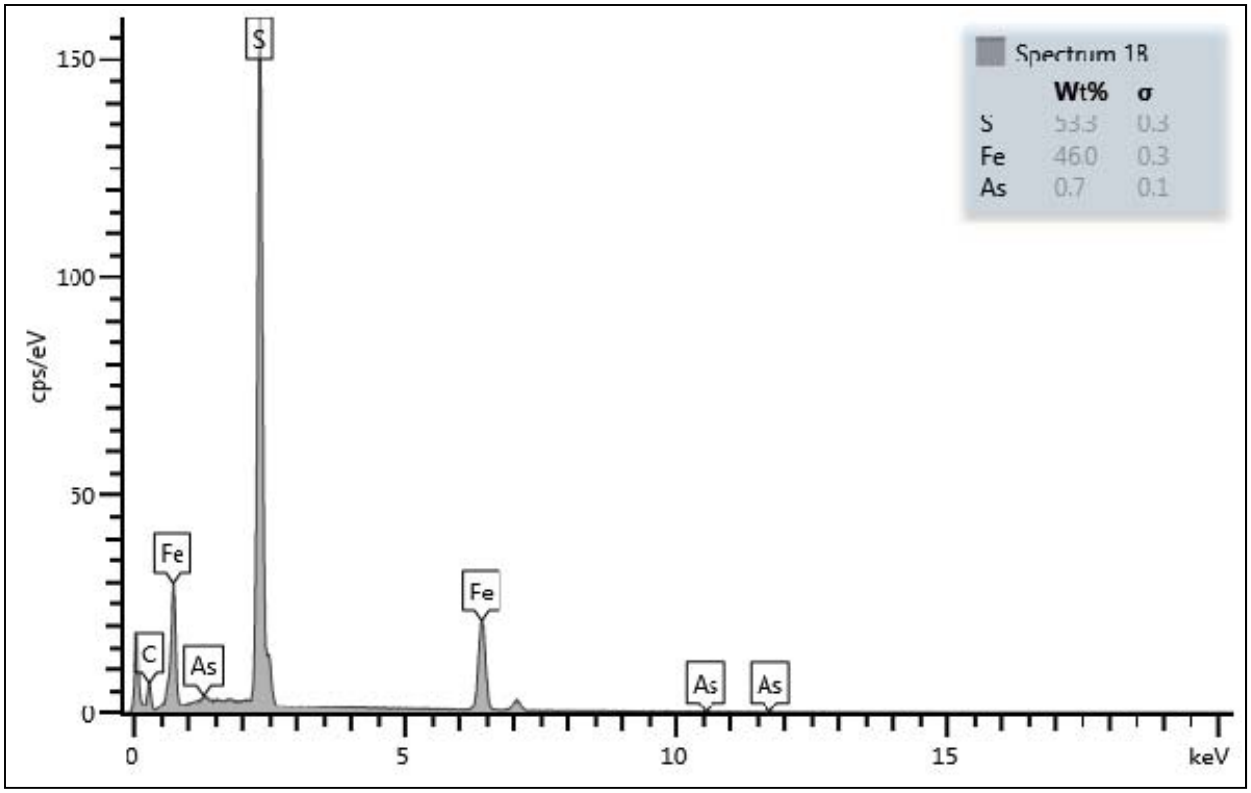
9/11/2012



Electron Image 5





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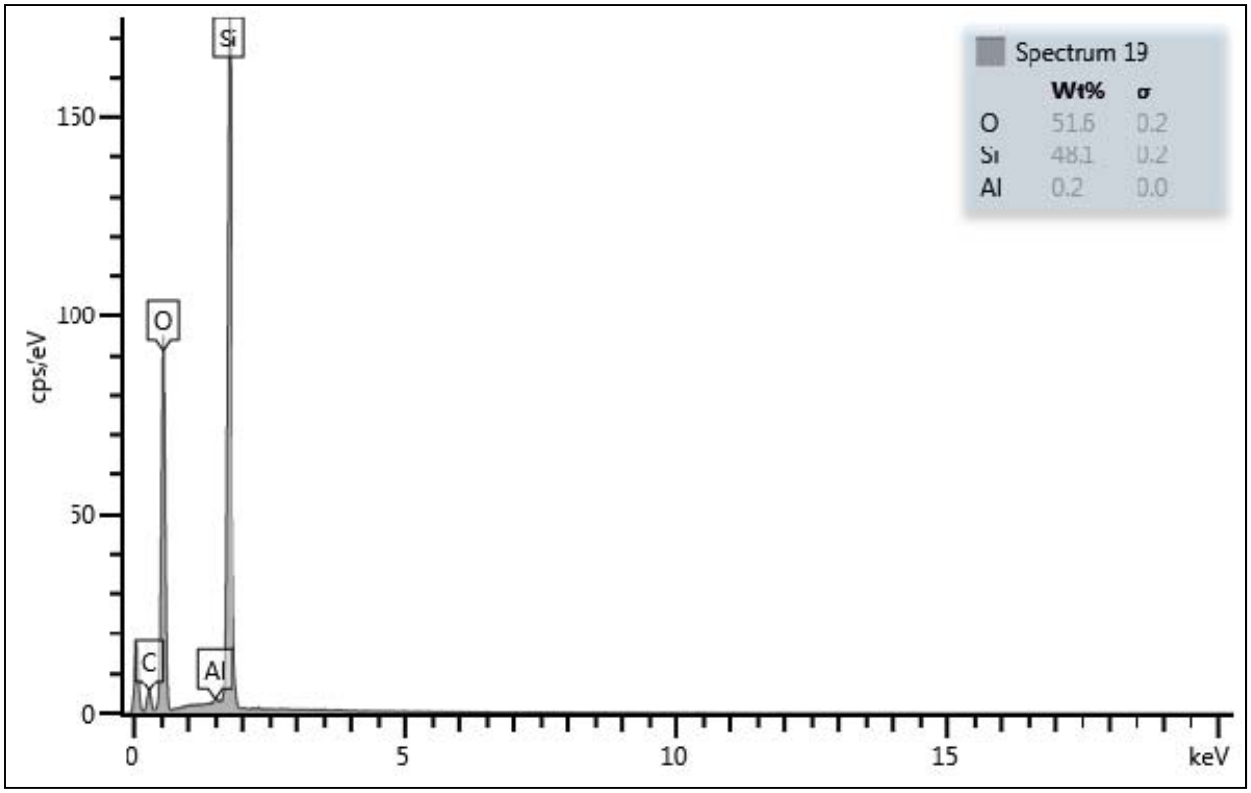
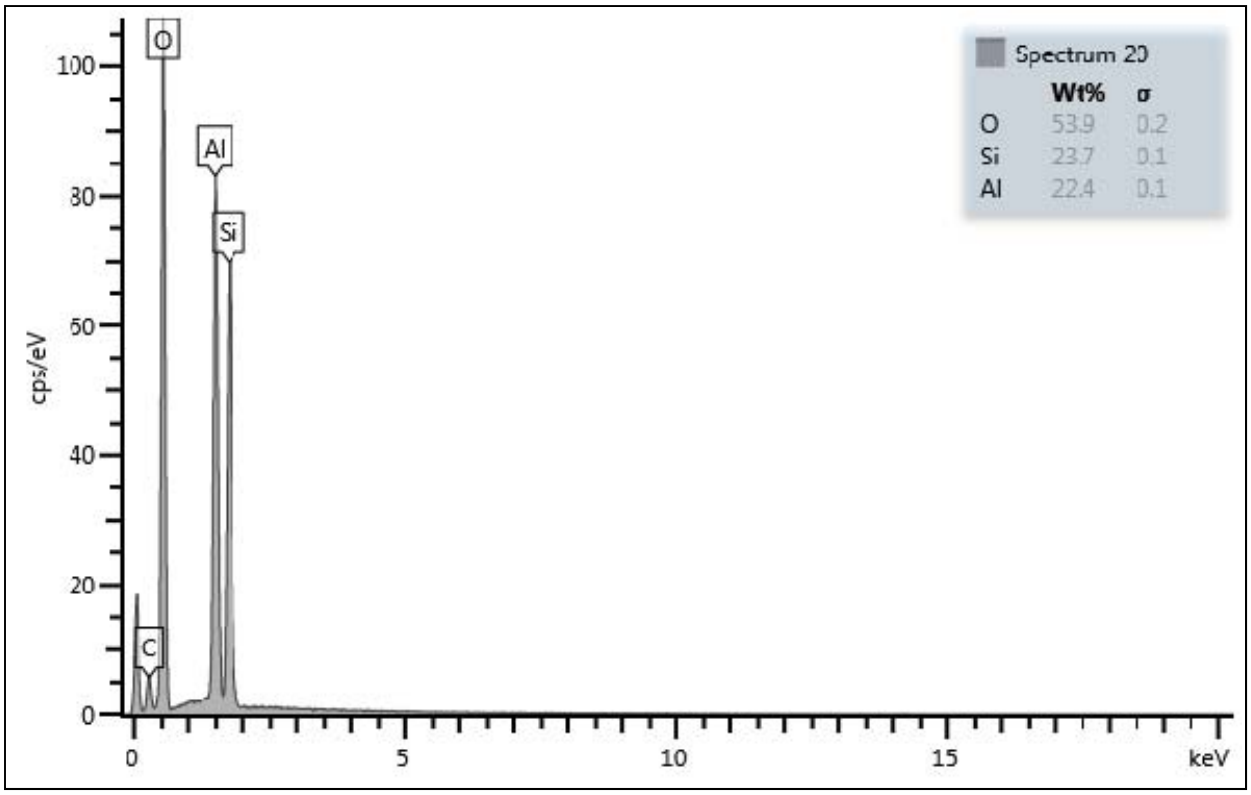
9/11/2012





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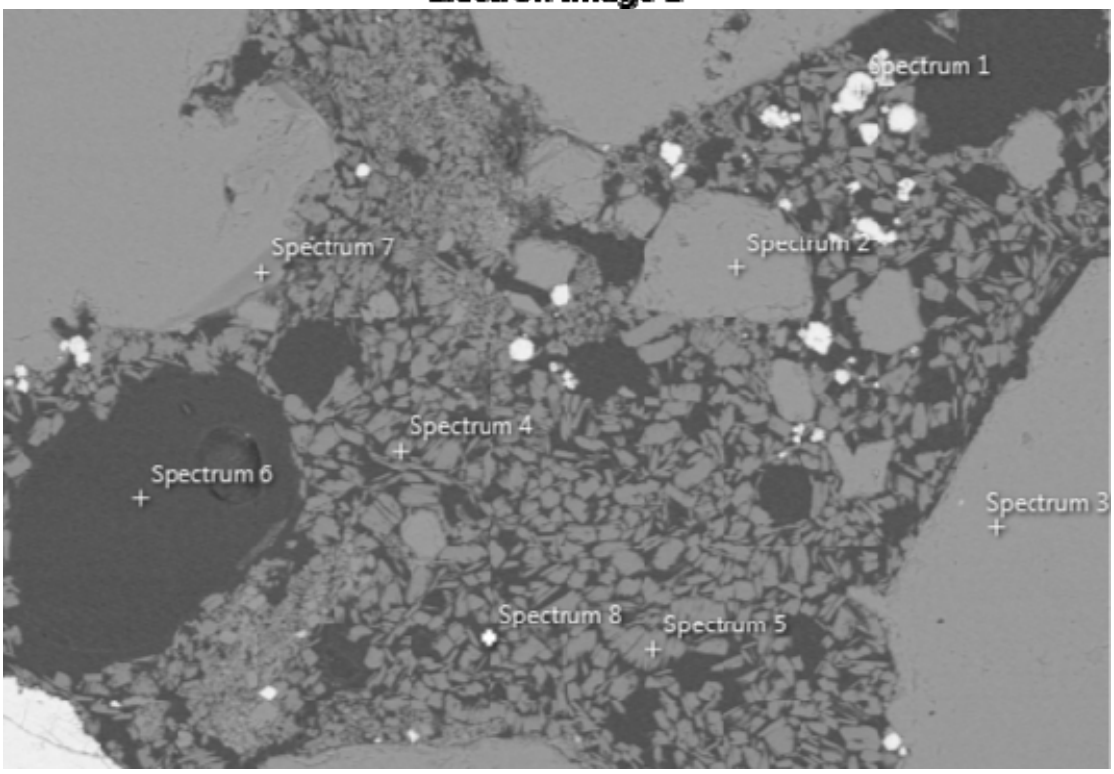
Daneros Mine Sample D-9 9/11/2012

Electron Image 1



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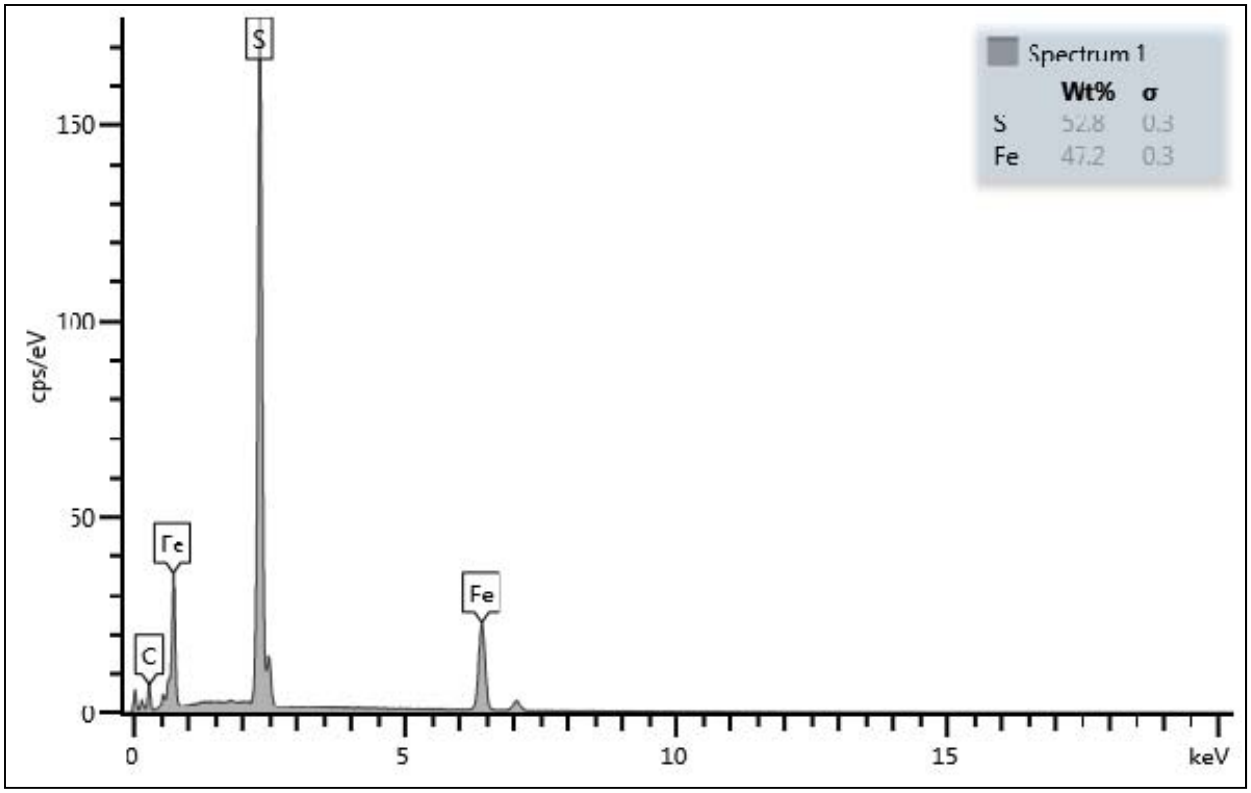

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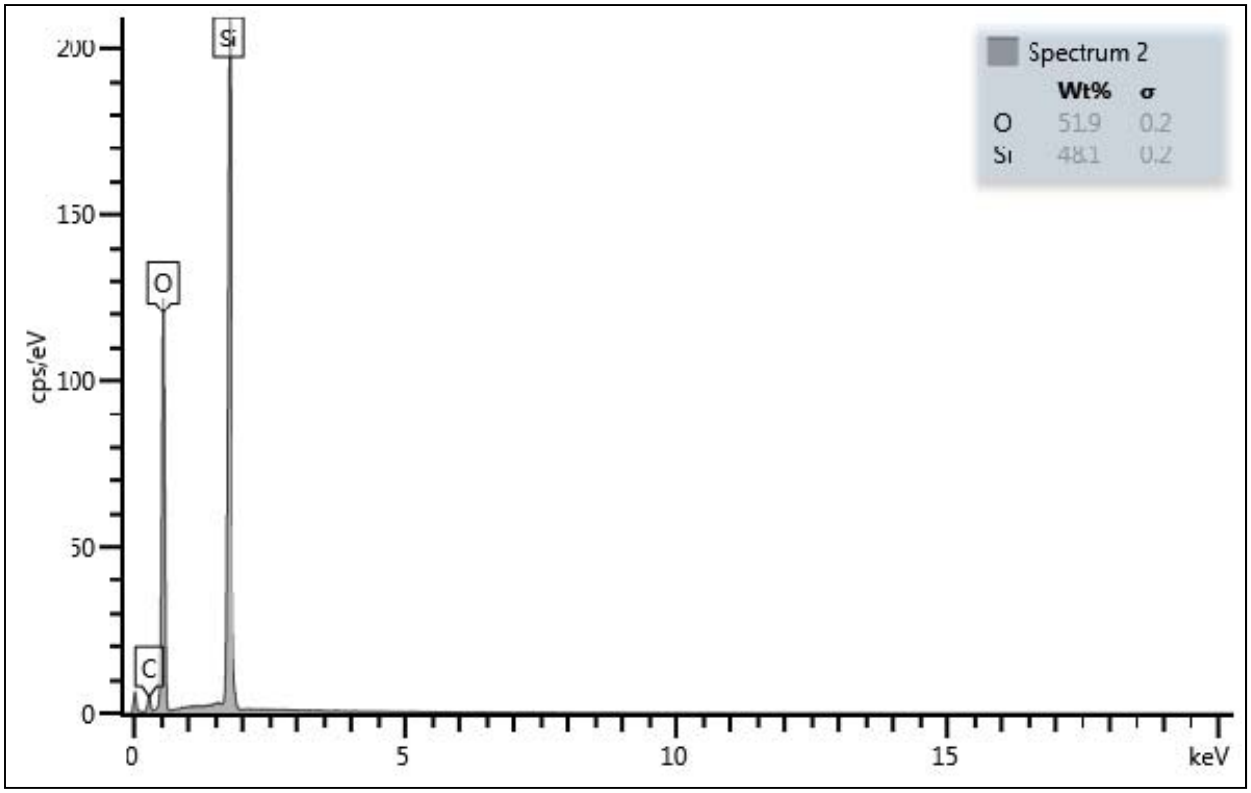
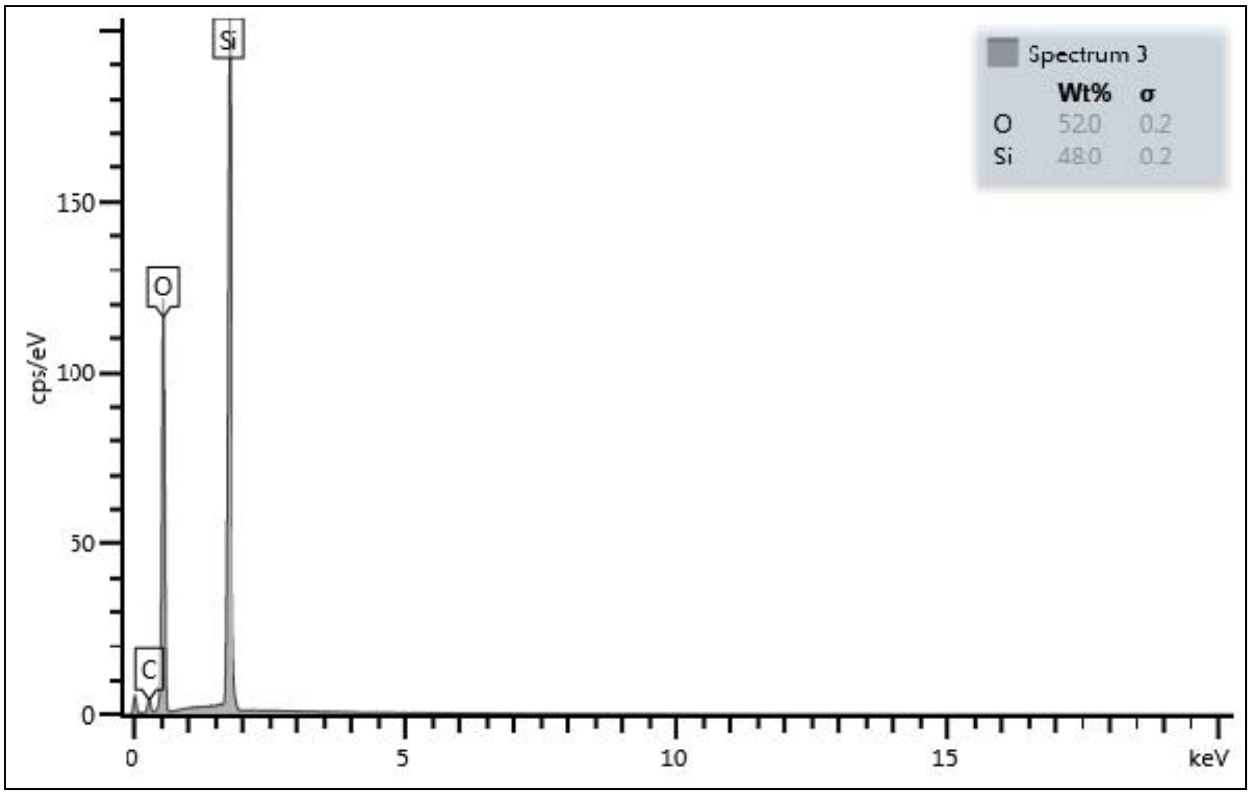
Daneros Mine Sample D-9

9/11/2012





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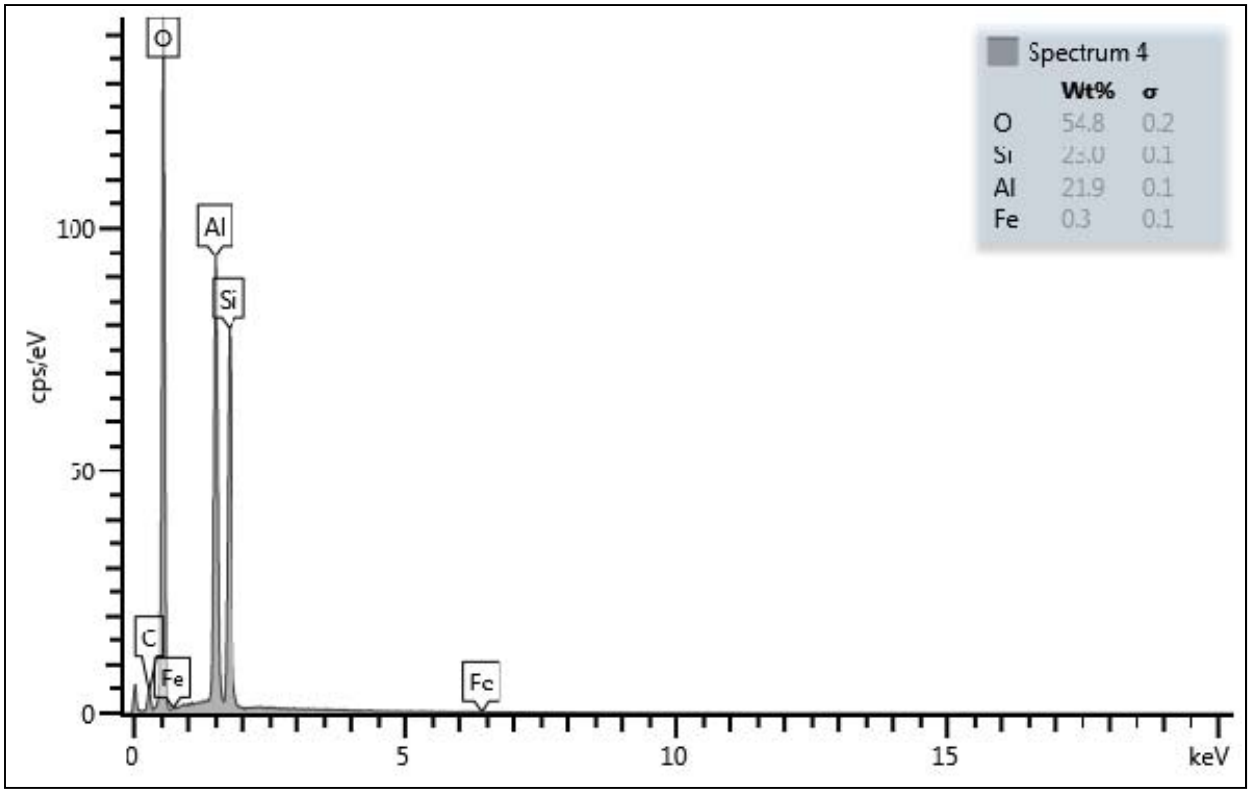
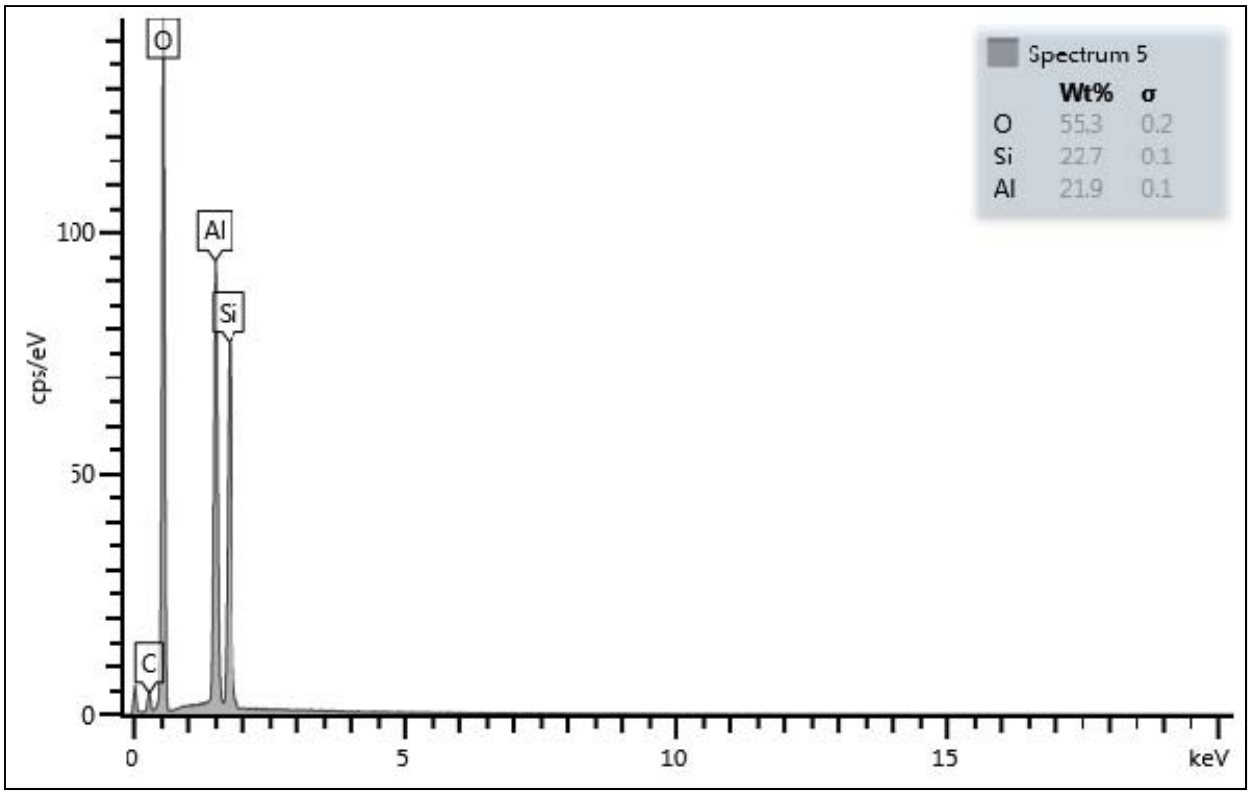
Daneros Mine Sample D-9

9/11/2012





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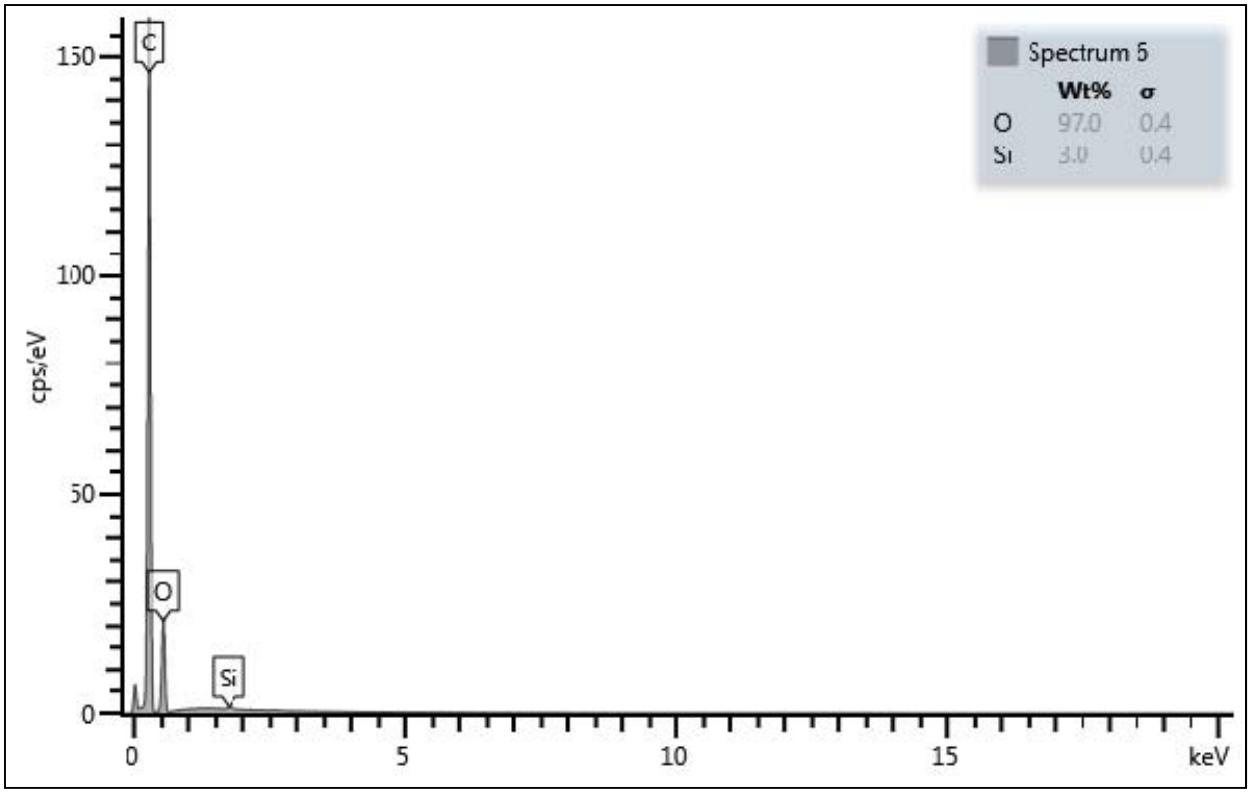
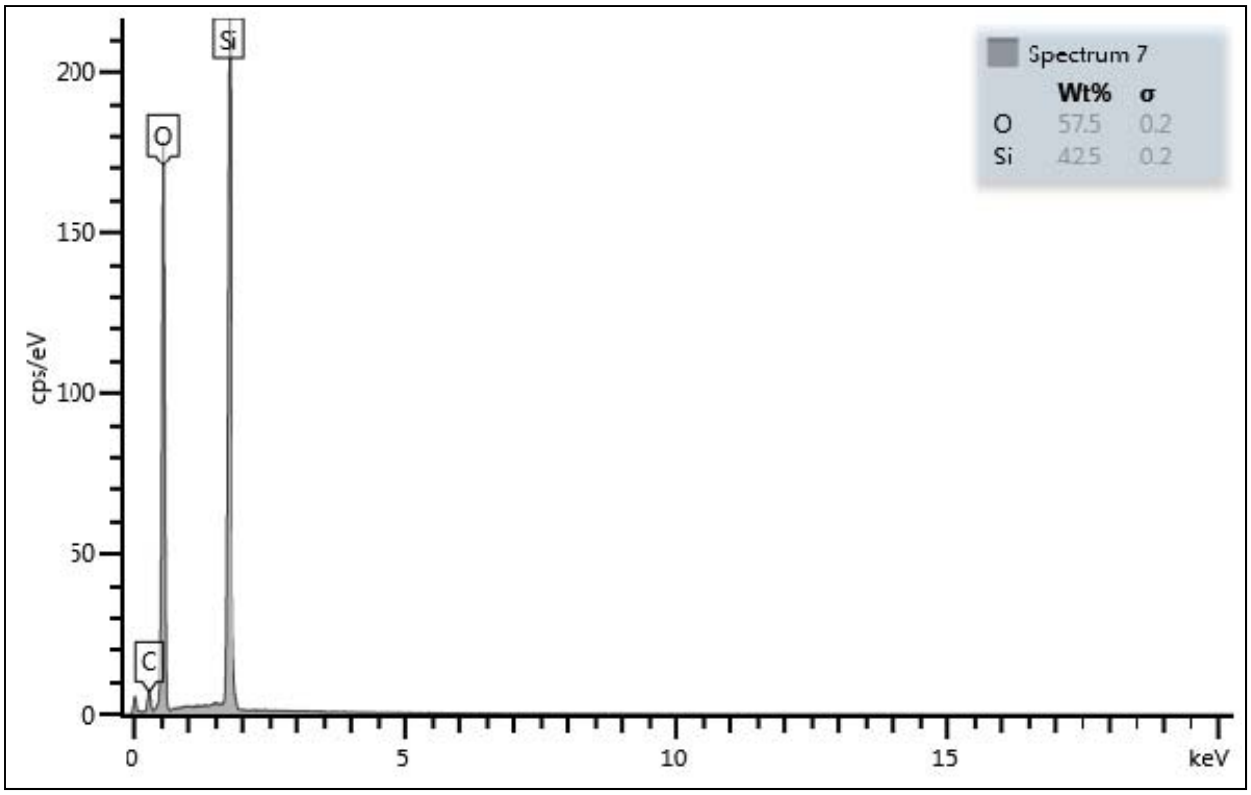
9/11/2012





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Daneros Mine Sample D-9

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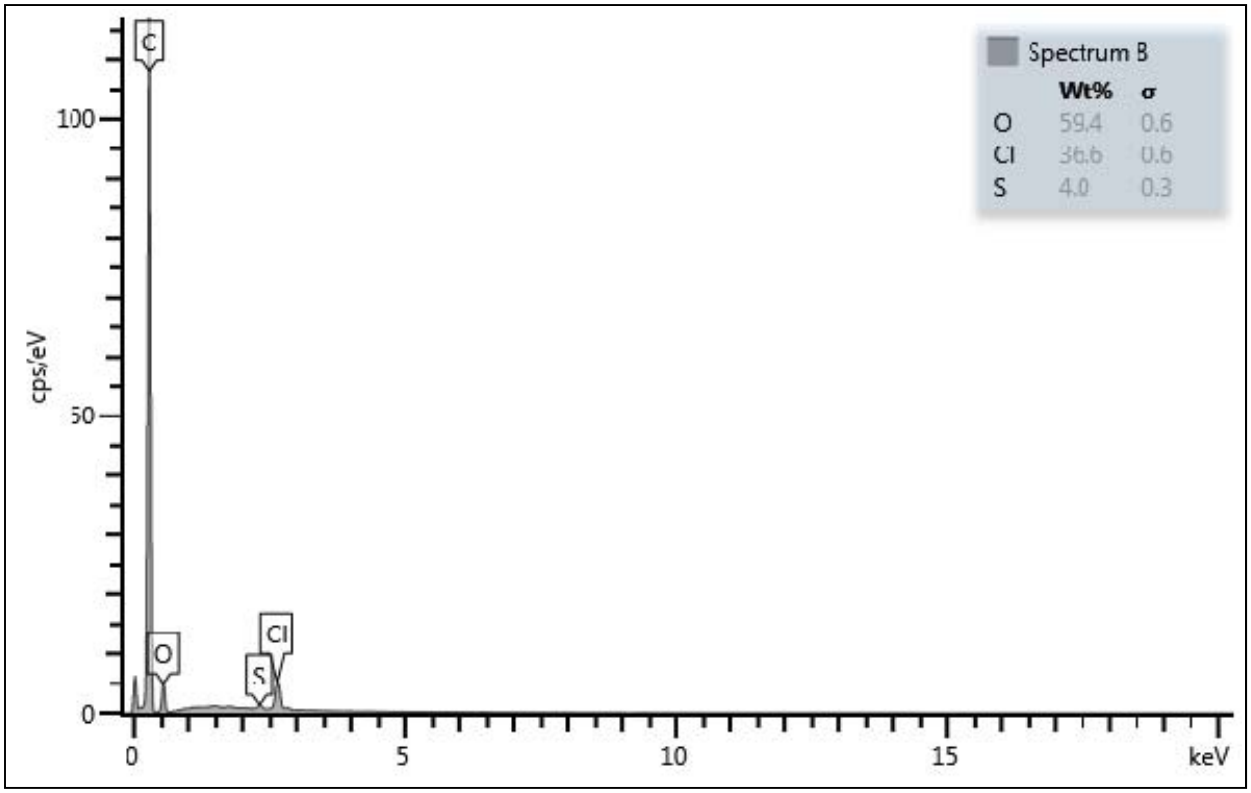

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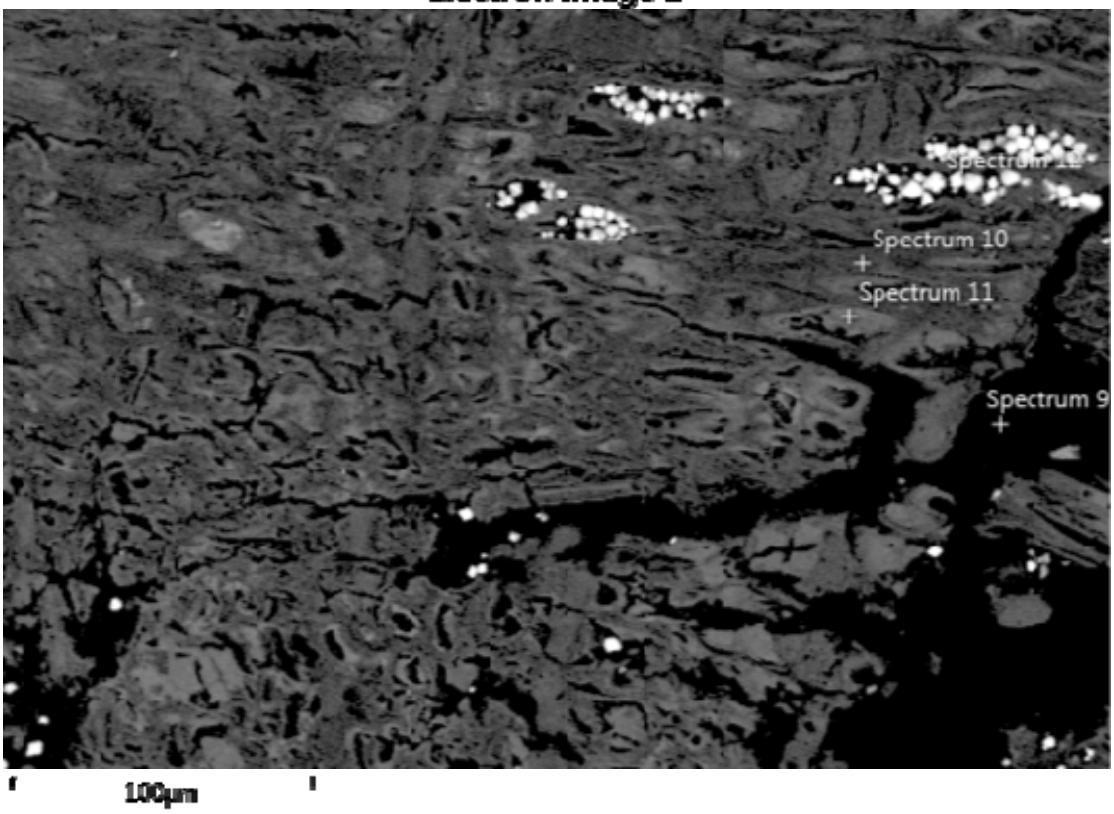
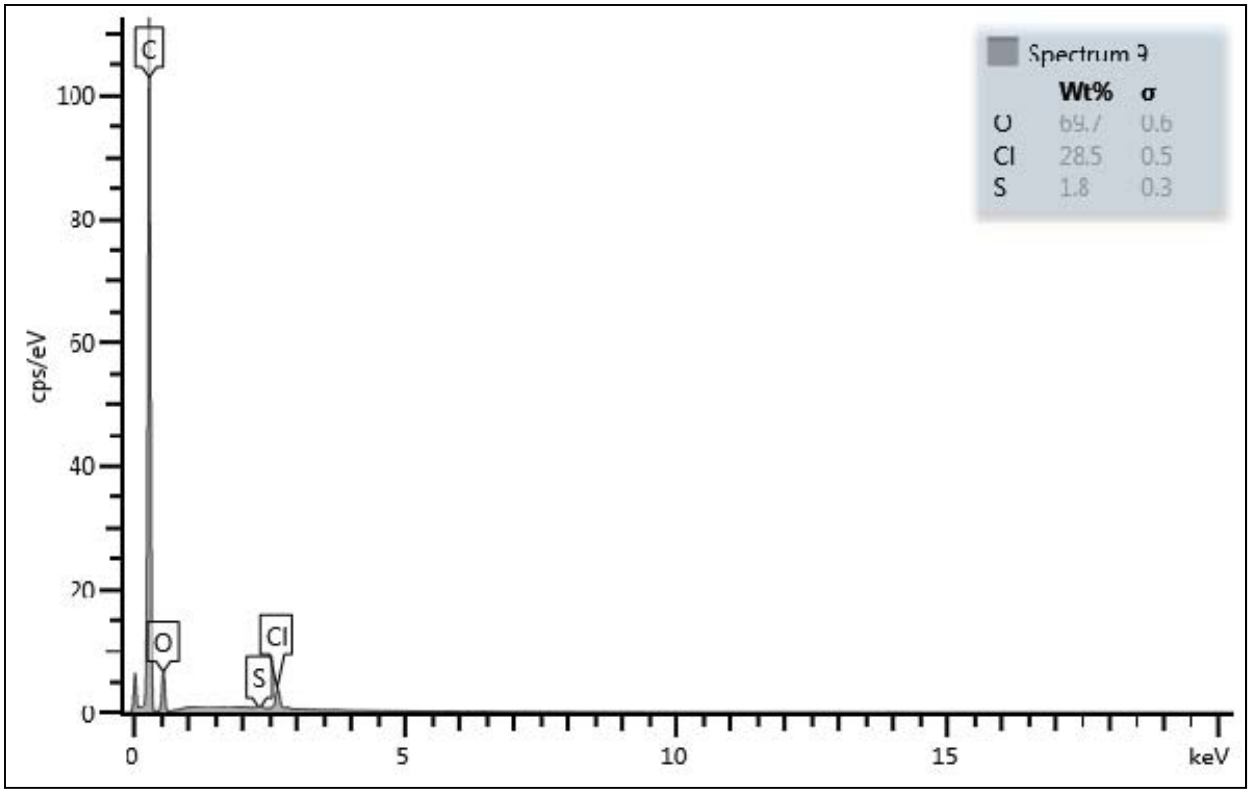
Electron Image 2





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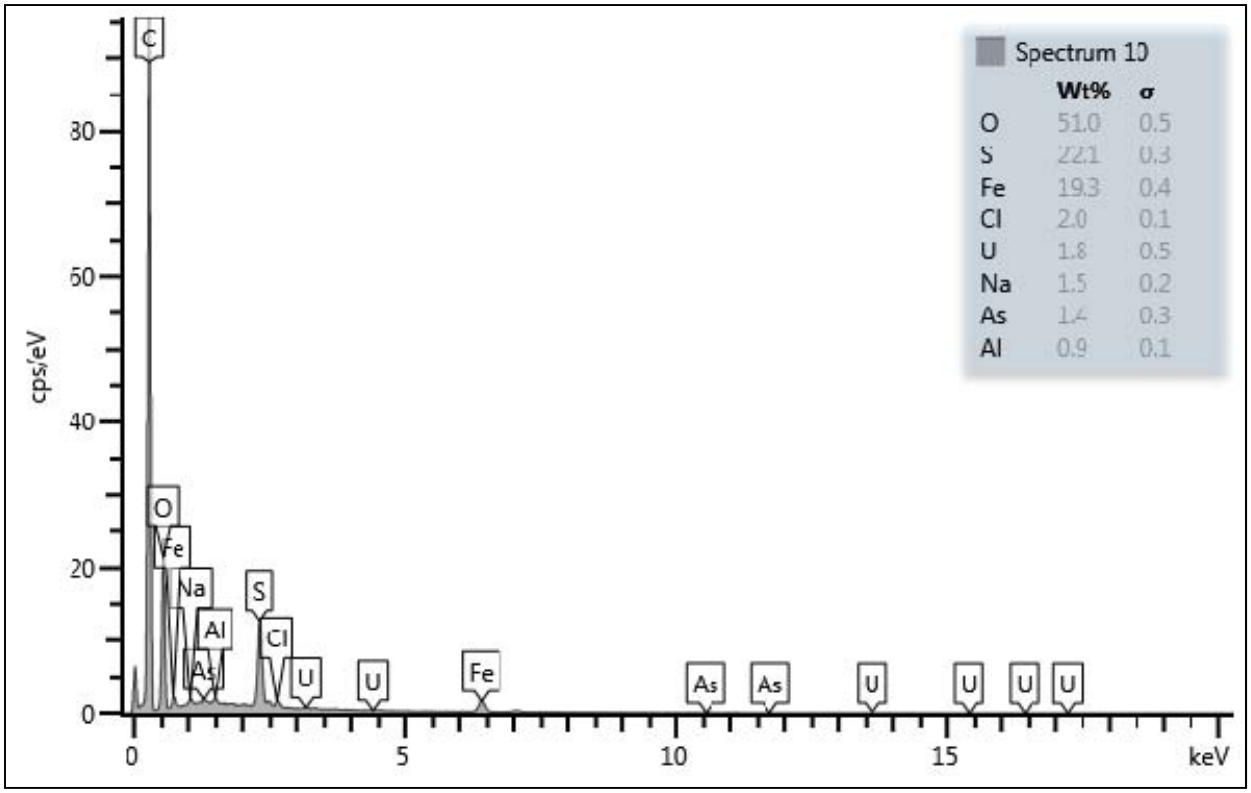
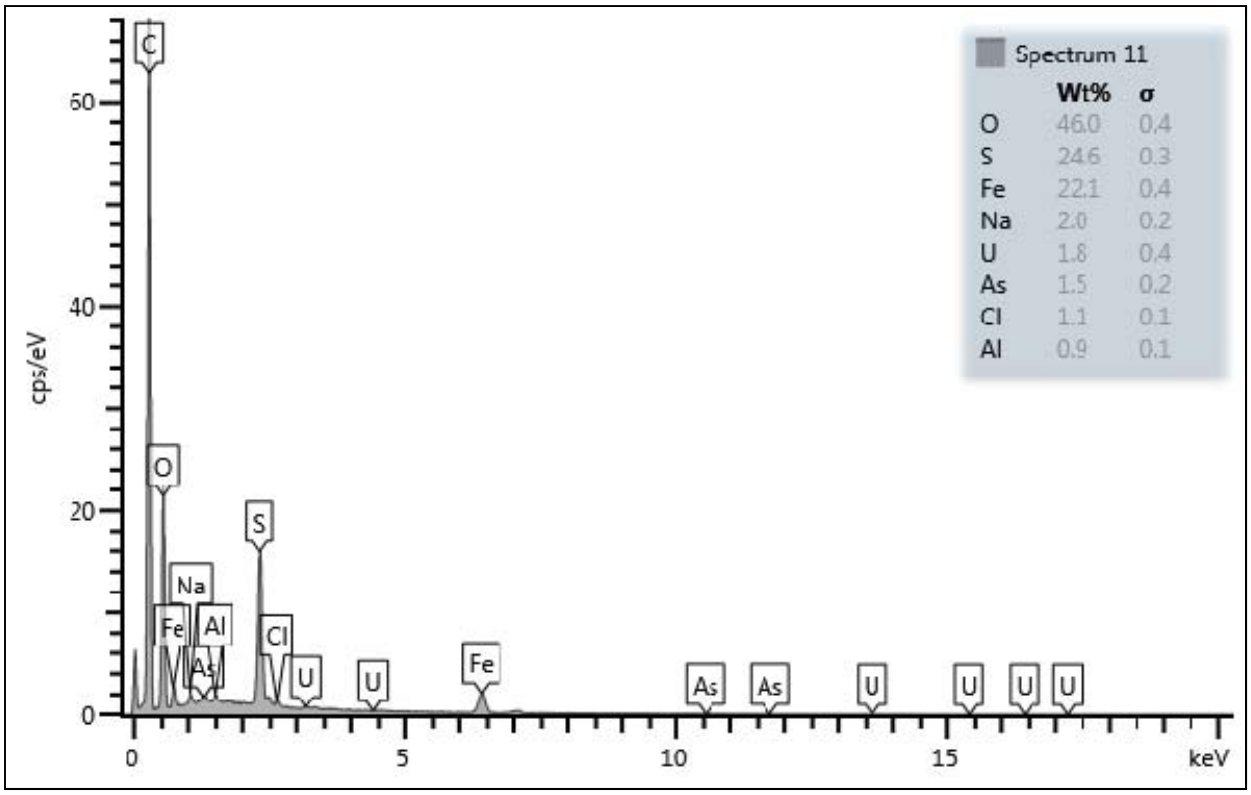
9/11/2012





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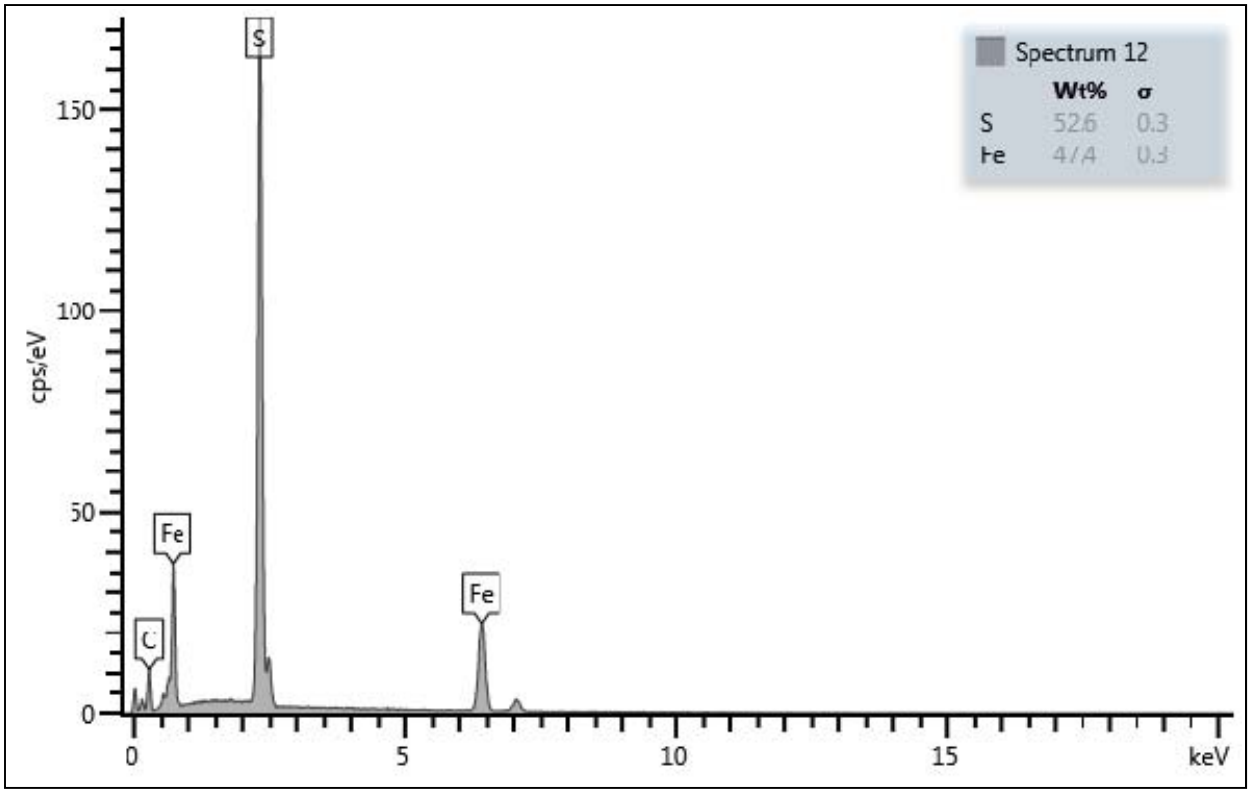
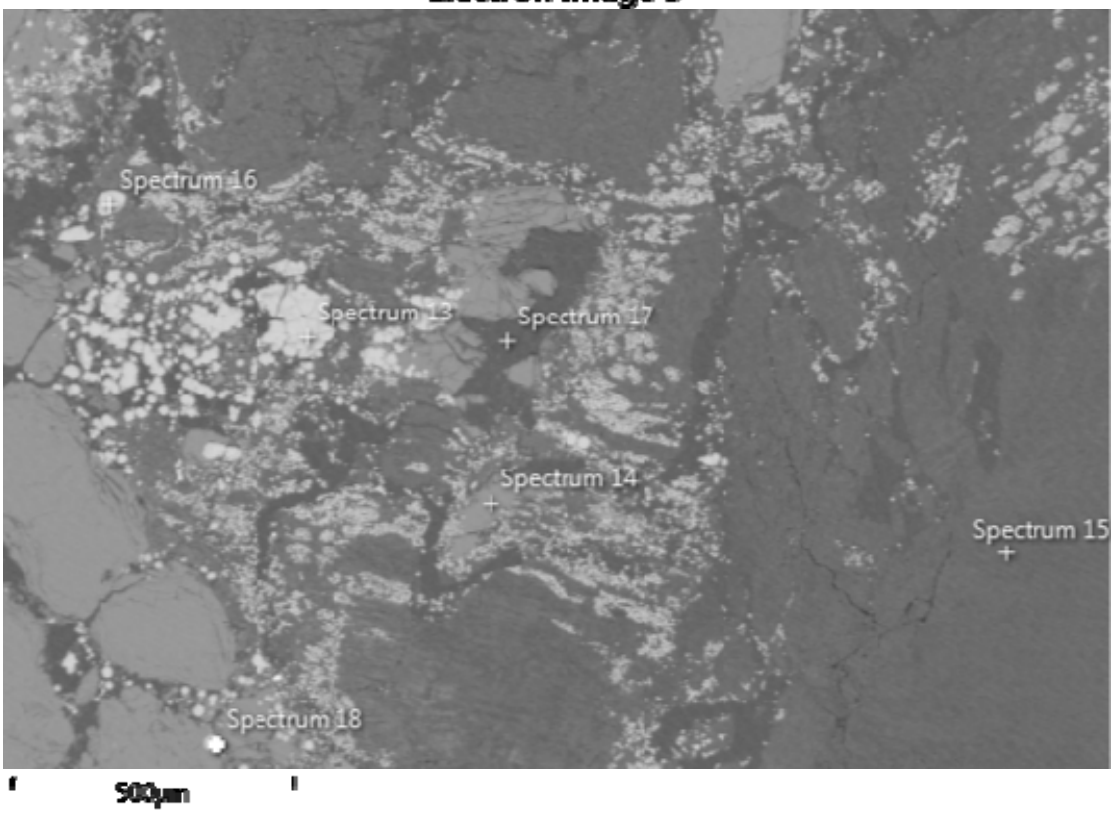
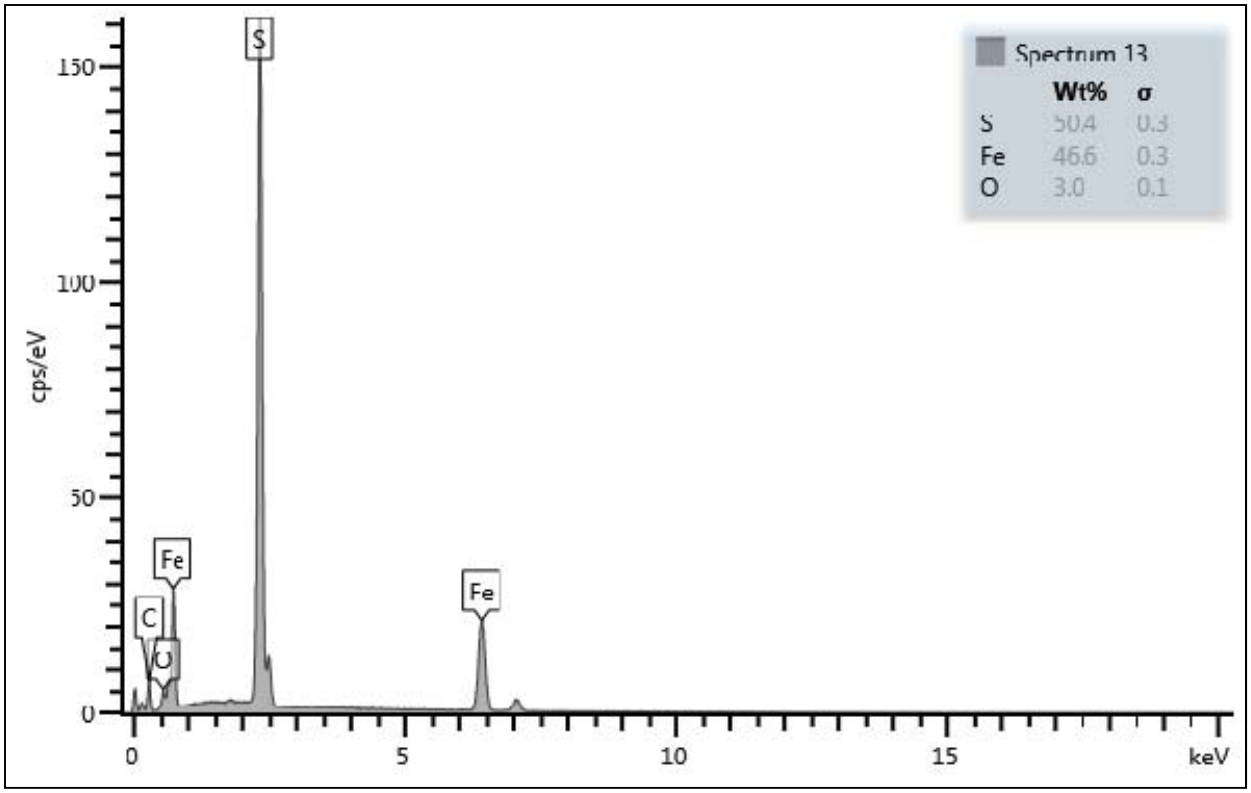
Daneros Mine Sample D-9

9/11/2012



Electron Image 3





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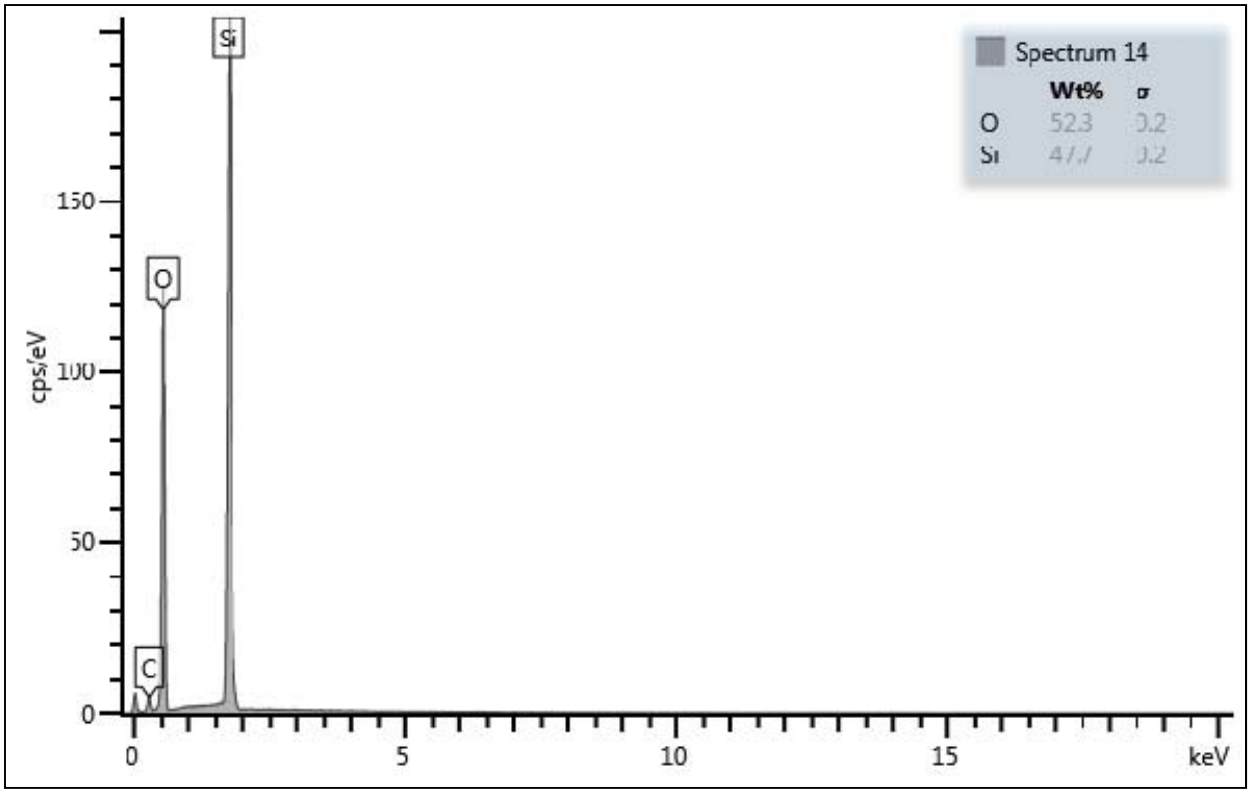
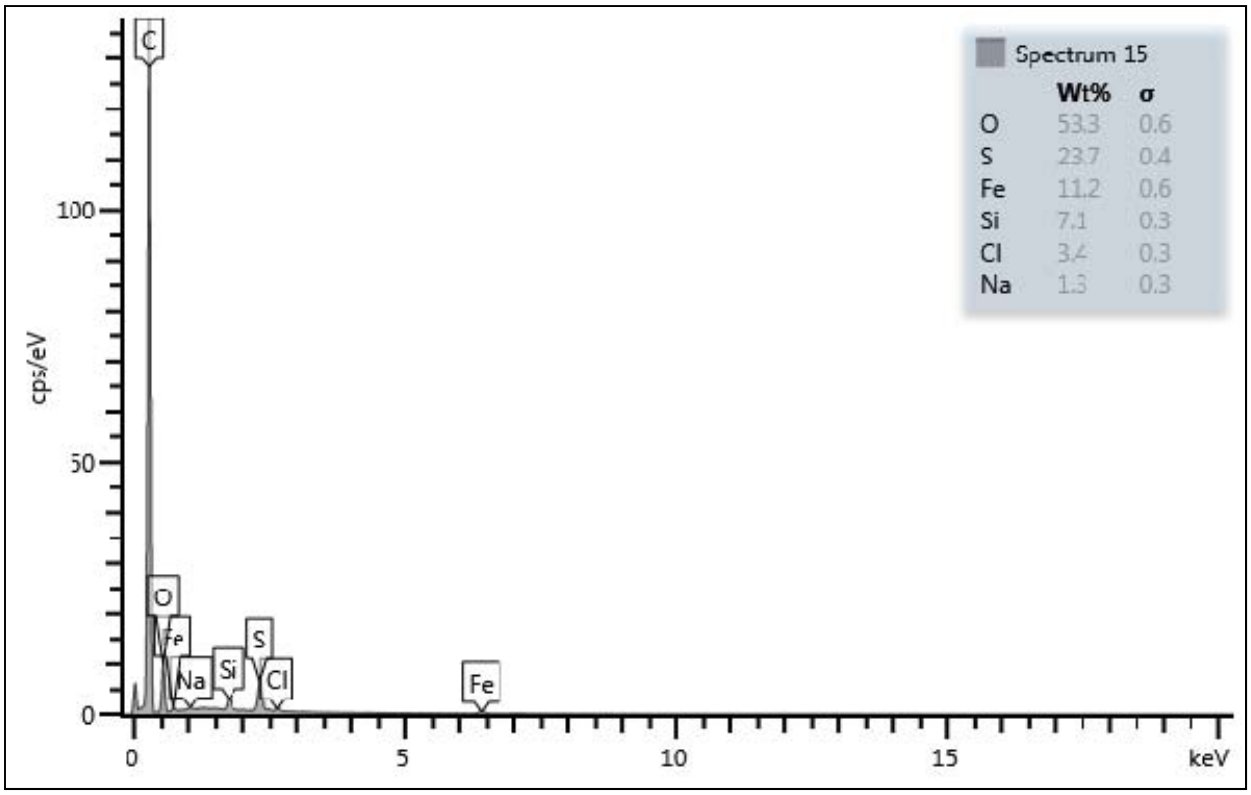
Daneros Mine Sample D-9

9/11/2012





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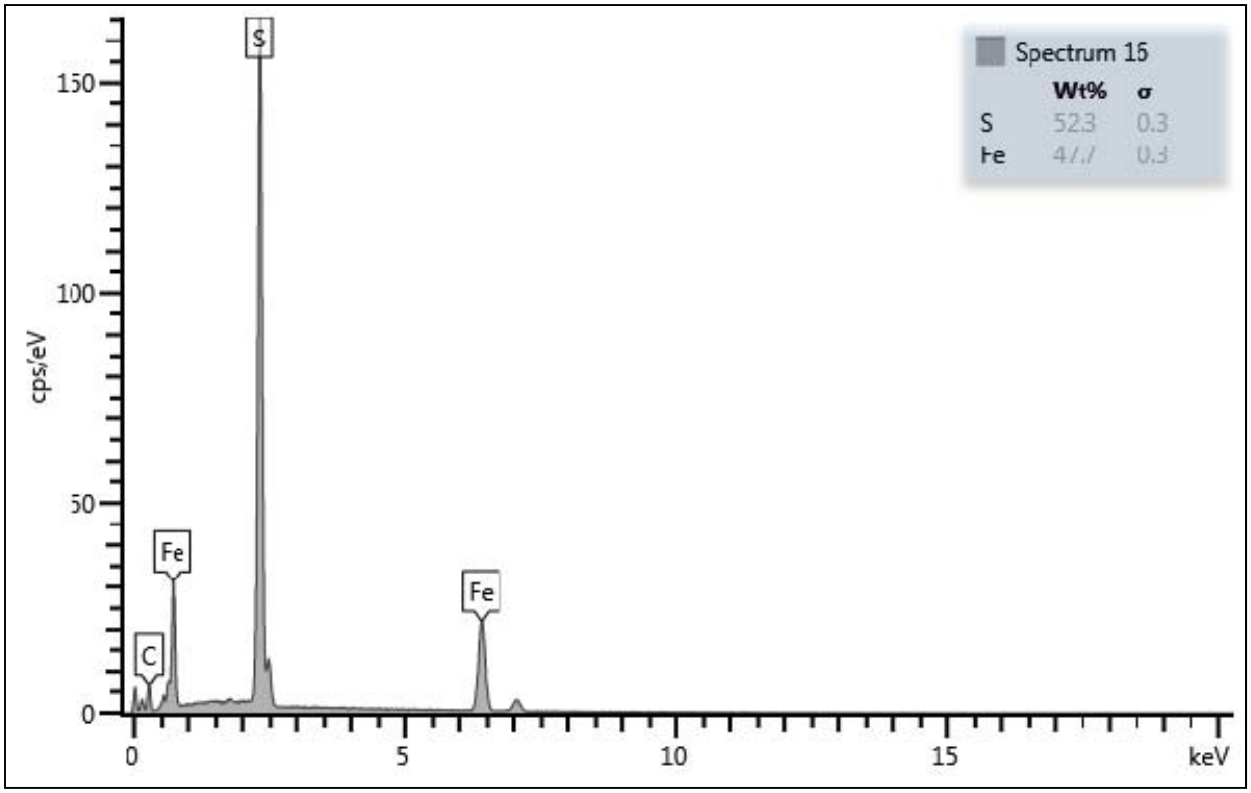
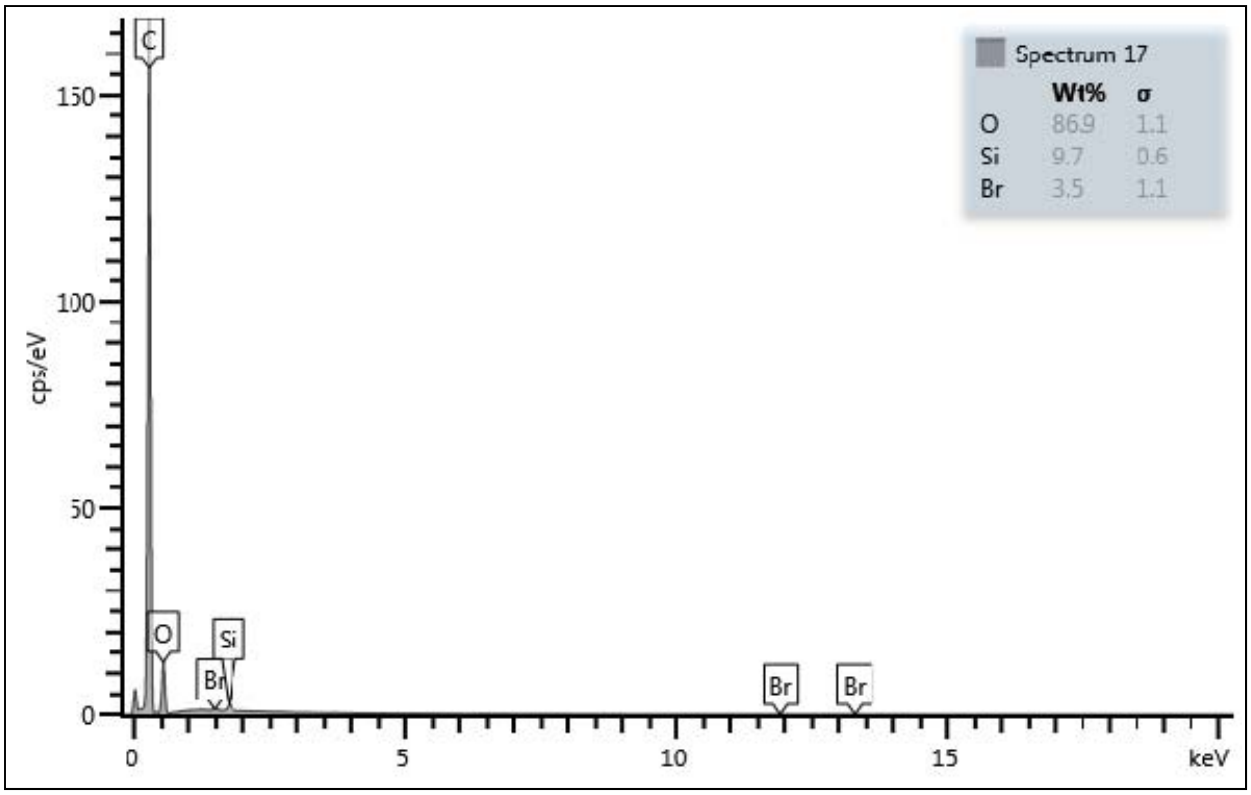
Daneros Mine Sample D-9

9/11/2012





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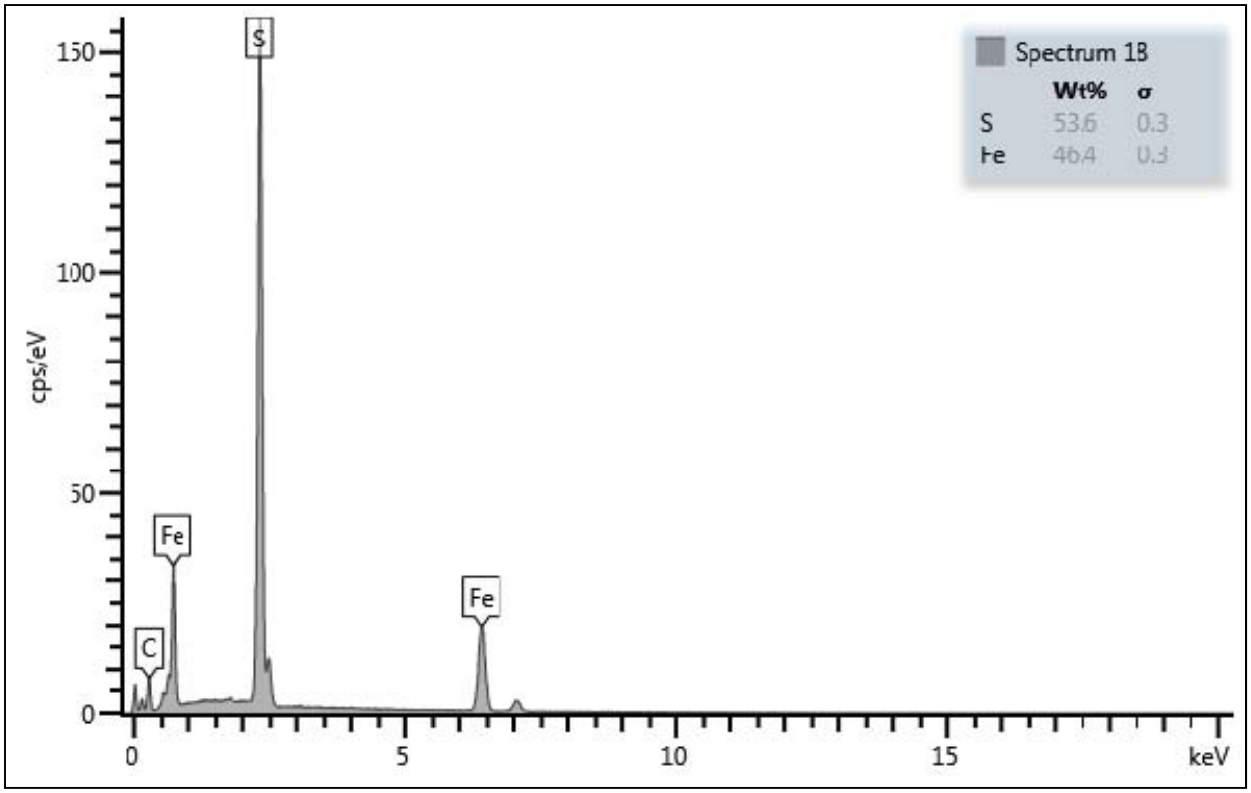
9/11/2012



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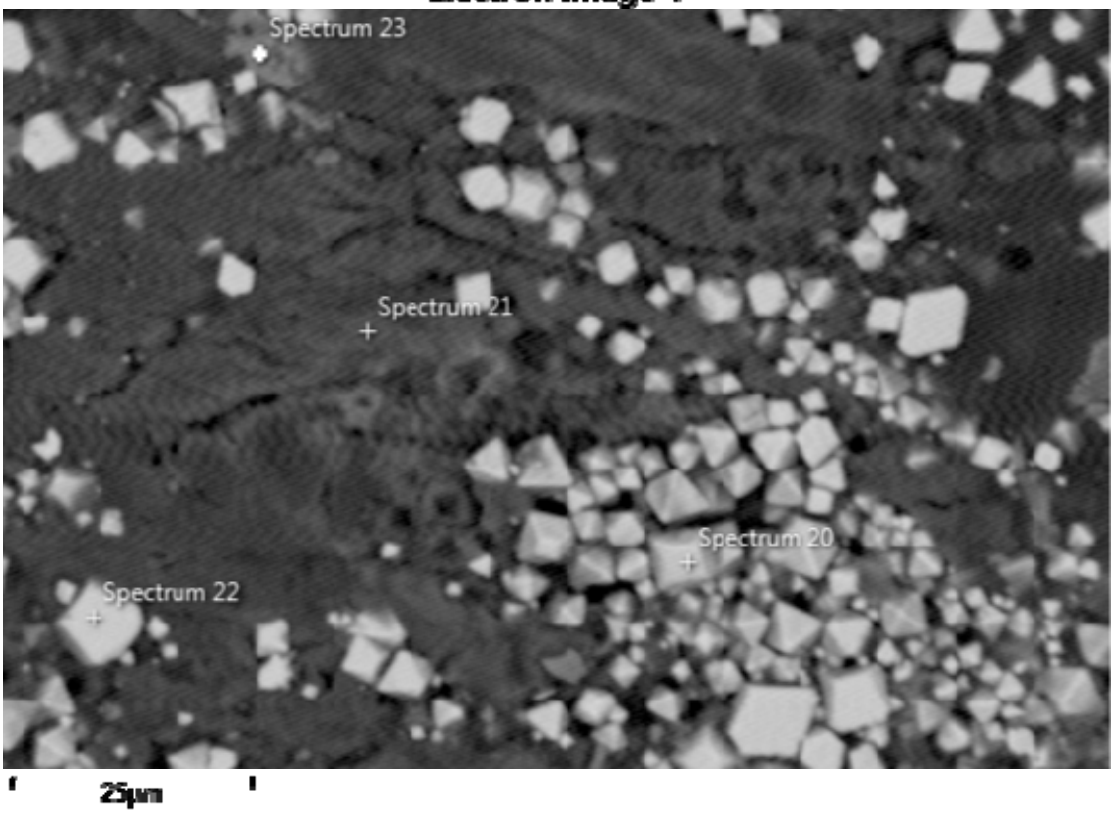
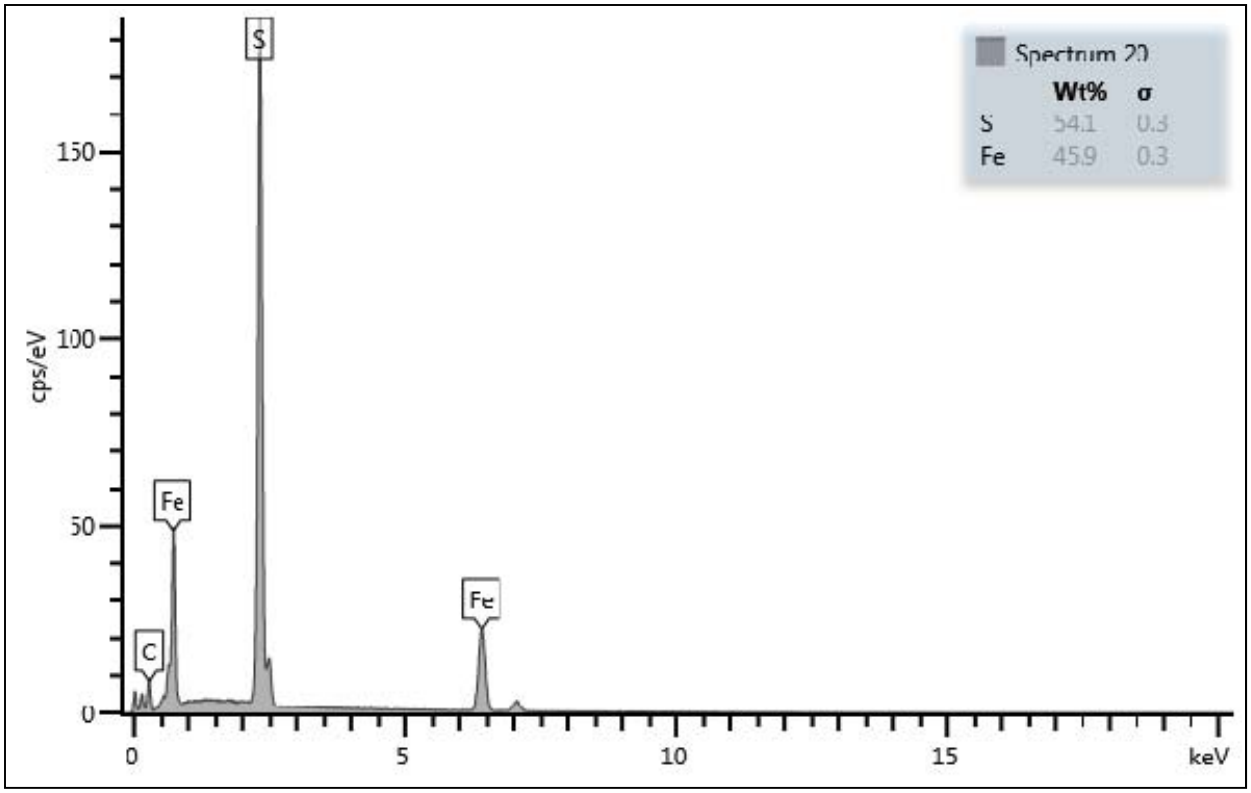
Electron Image 4





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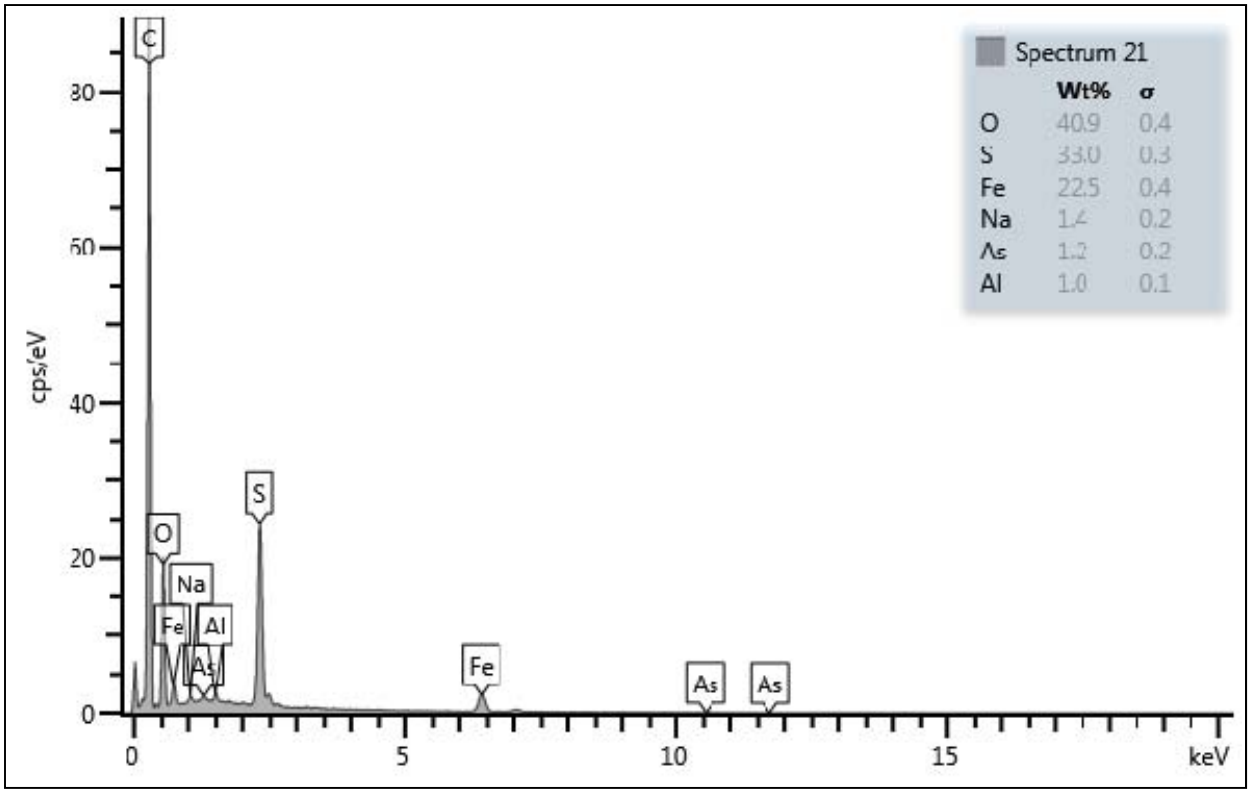
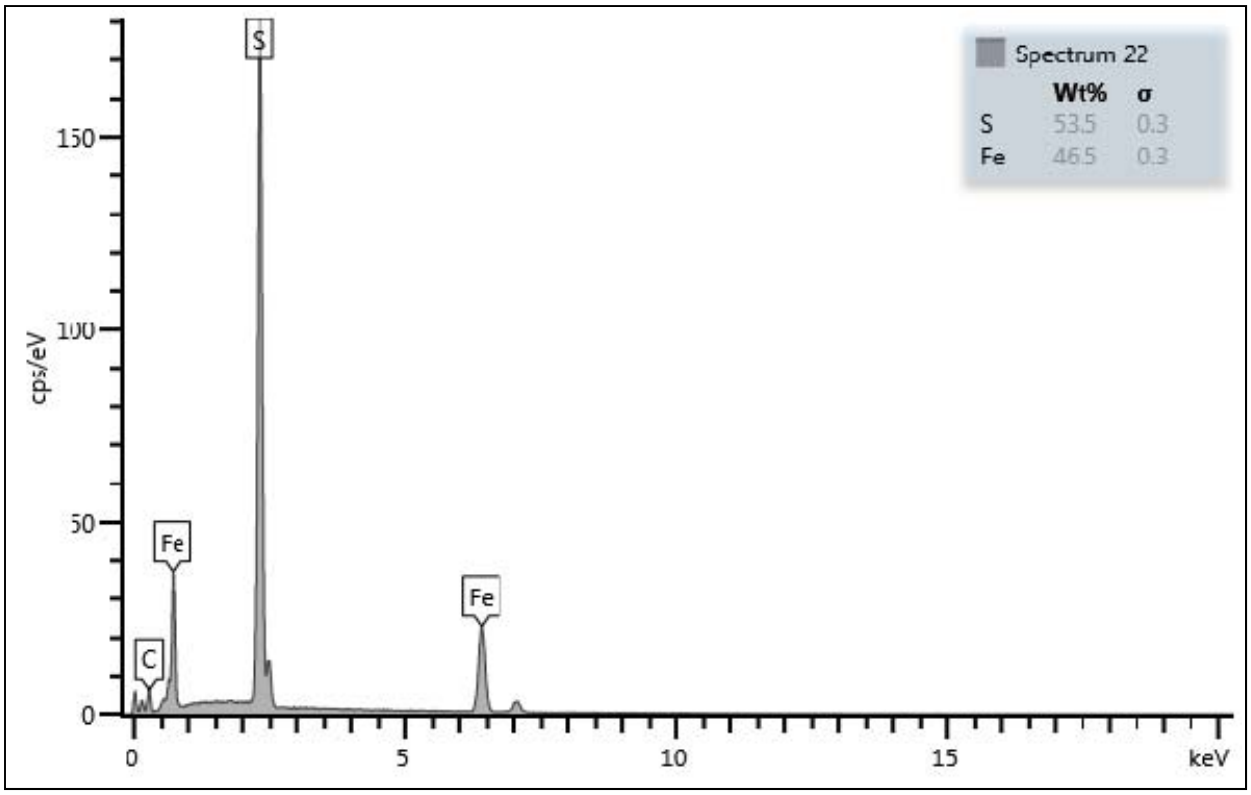
Daneros Mine Sample D-9

9/11/2012





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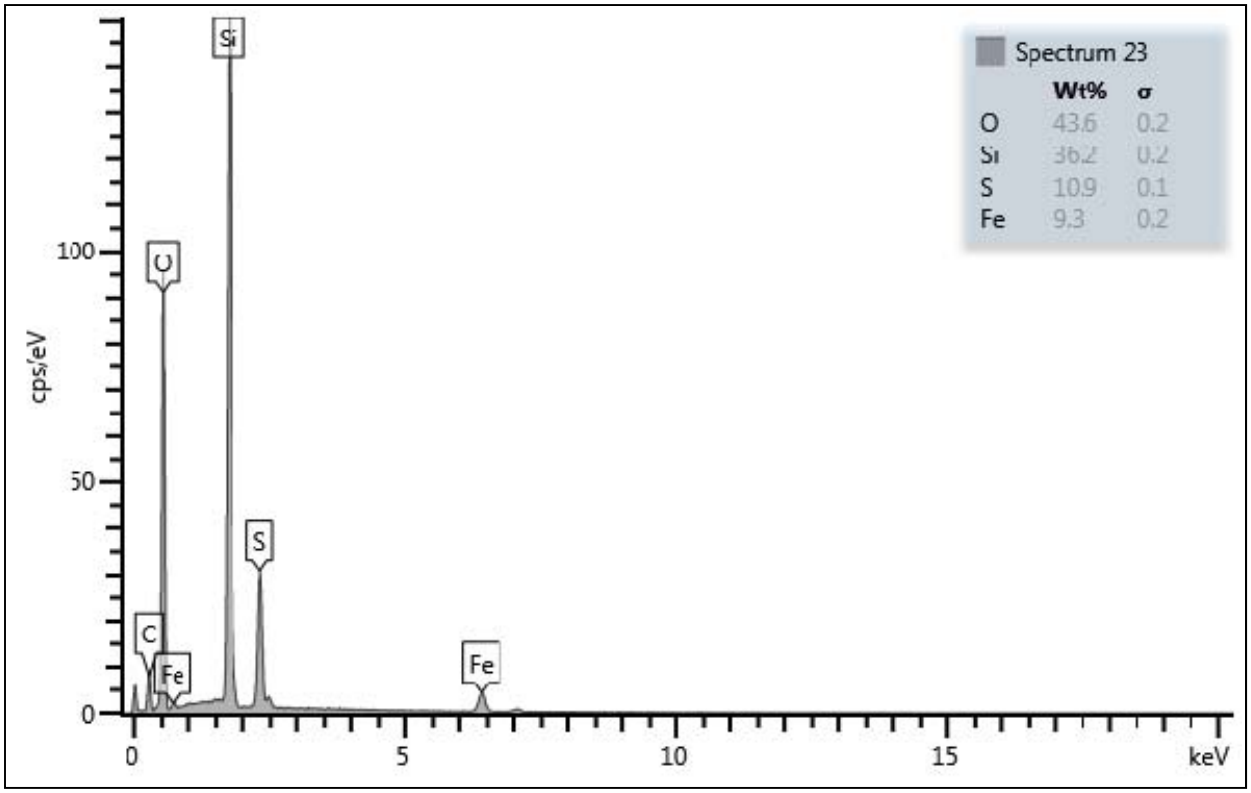

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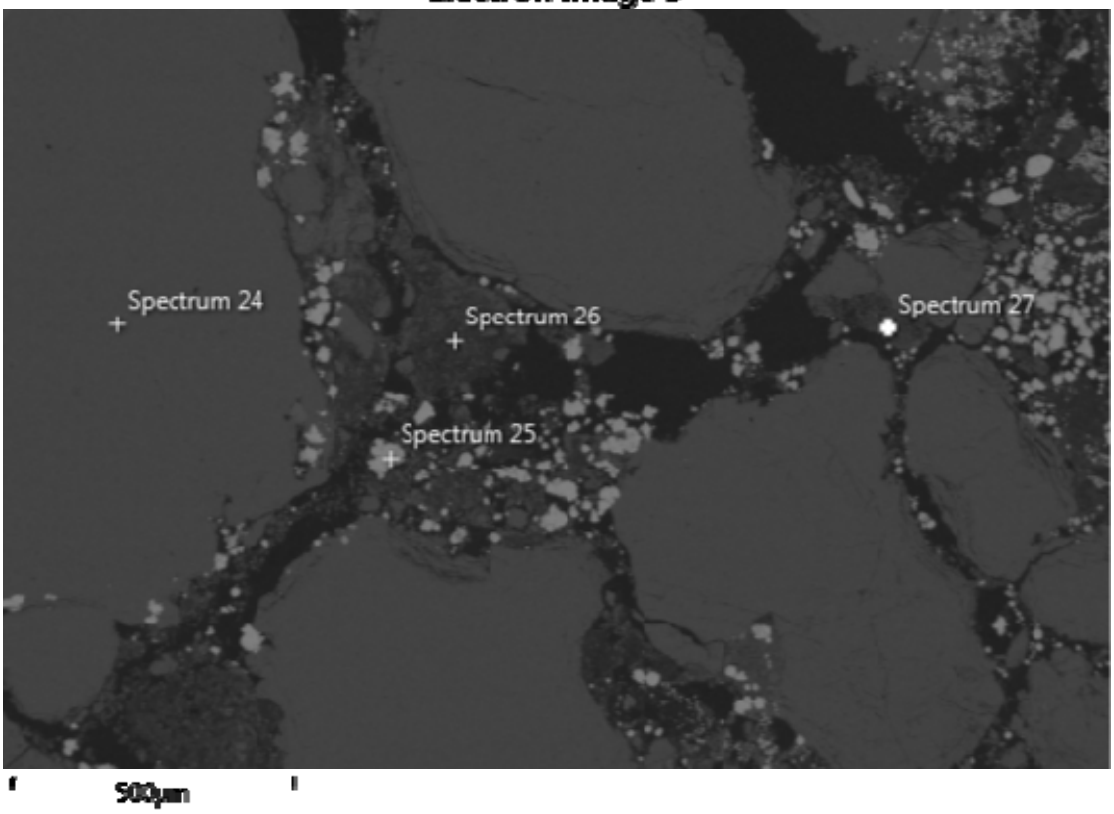
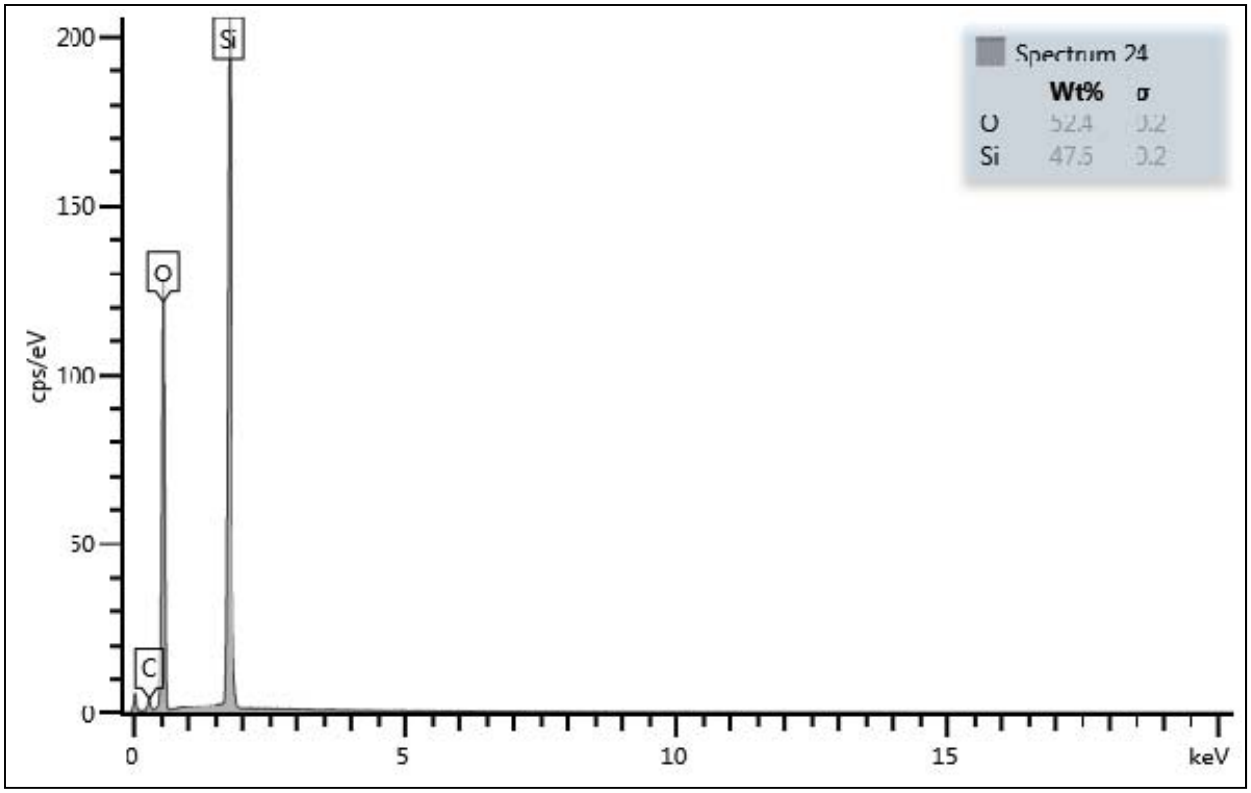
Electron Image 5





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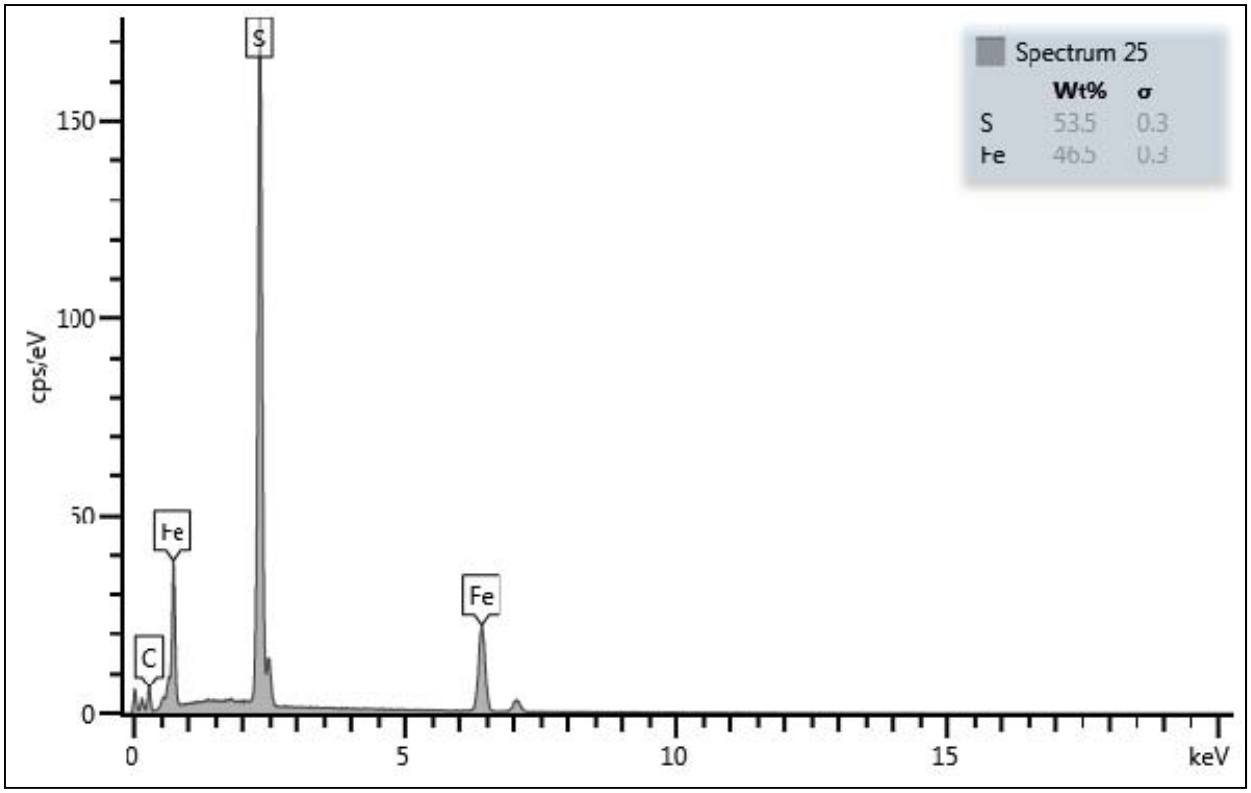
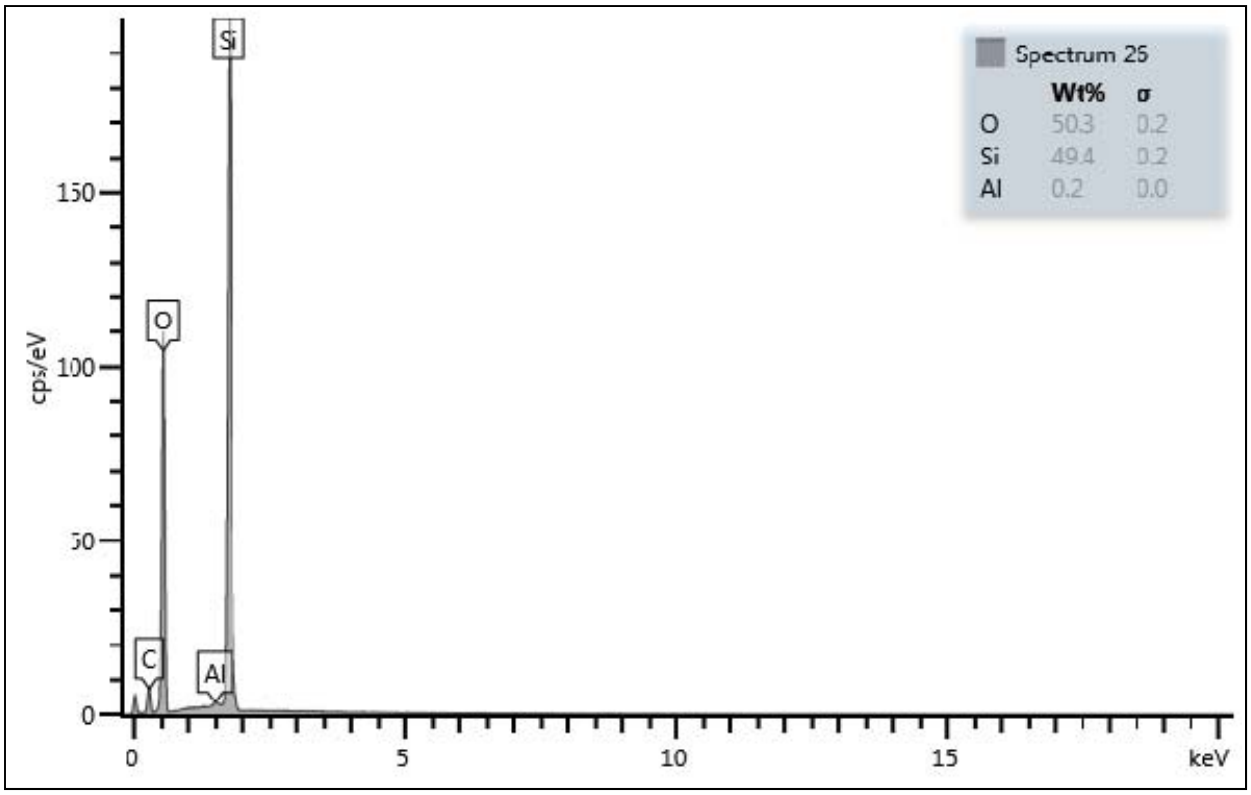
Daneros Mine Sample D-9

9/11/2012





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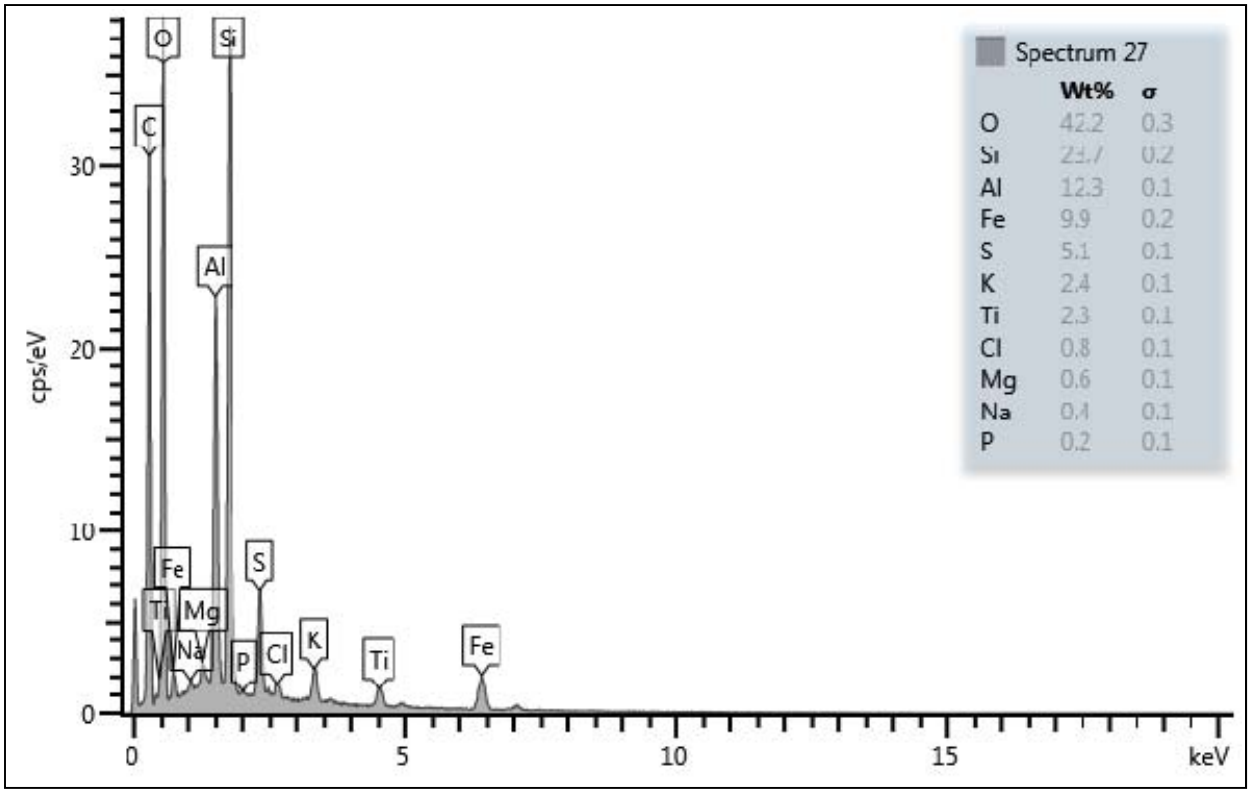
Daneros Mine Sample D-9

9/11/2012



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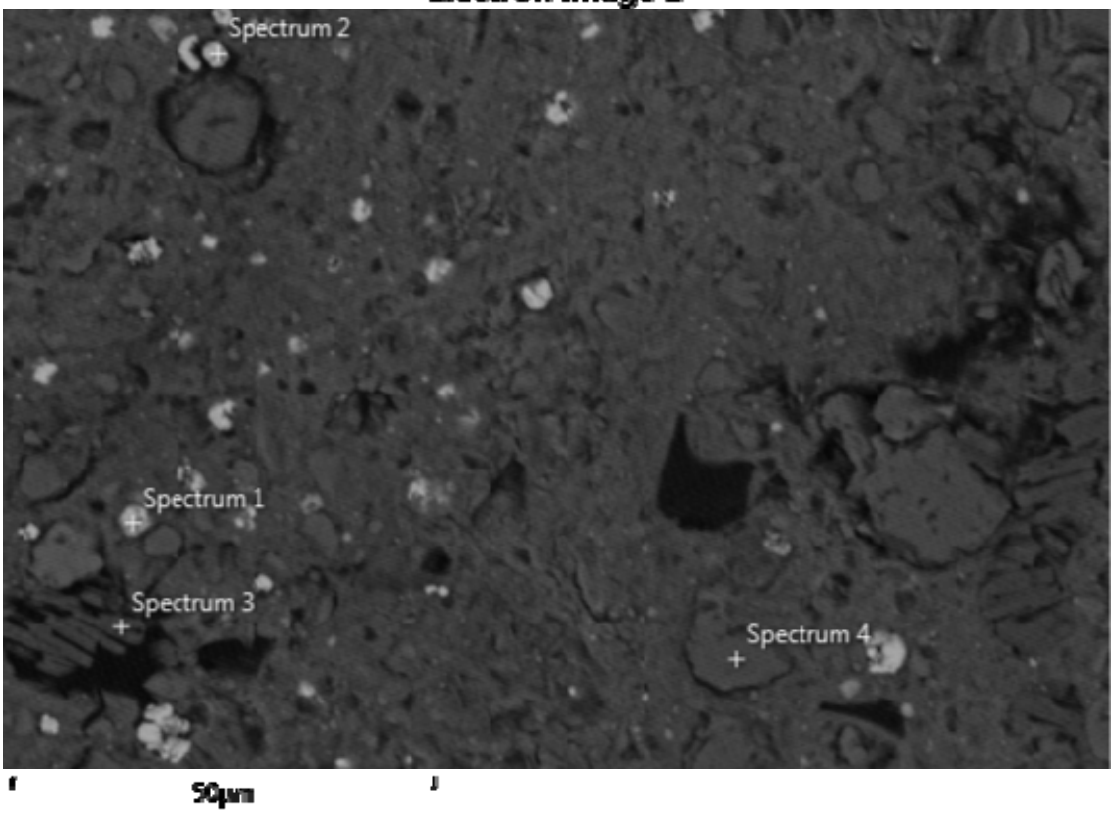
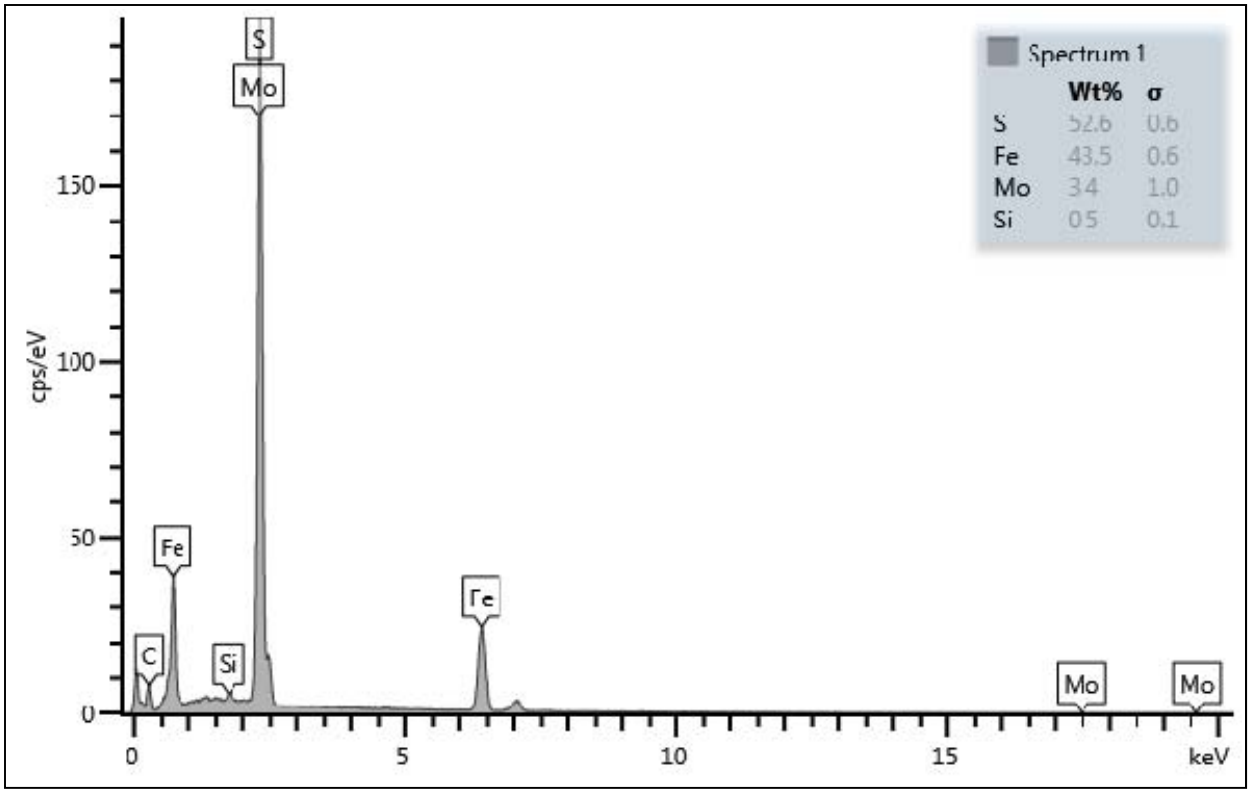
Electron Image 1





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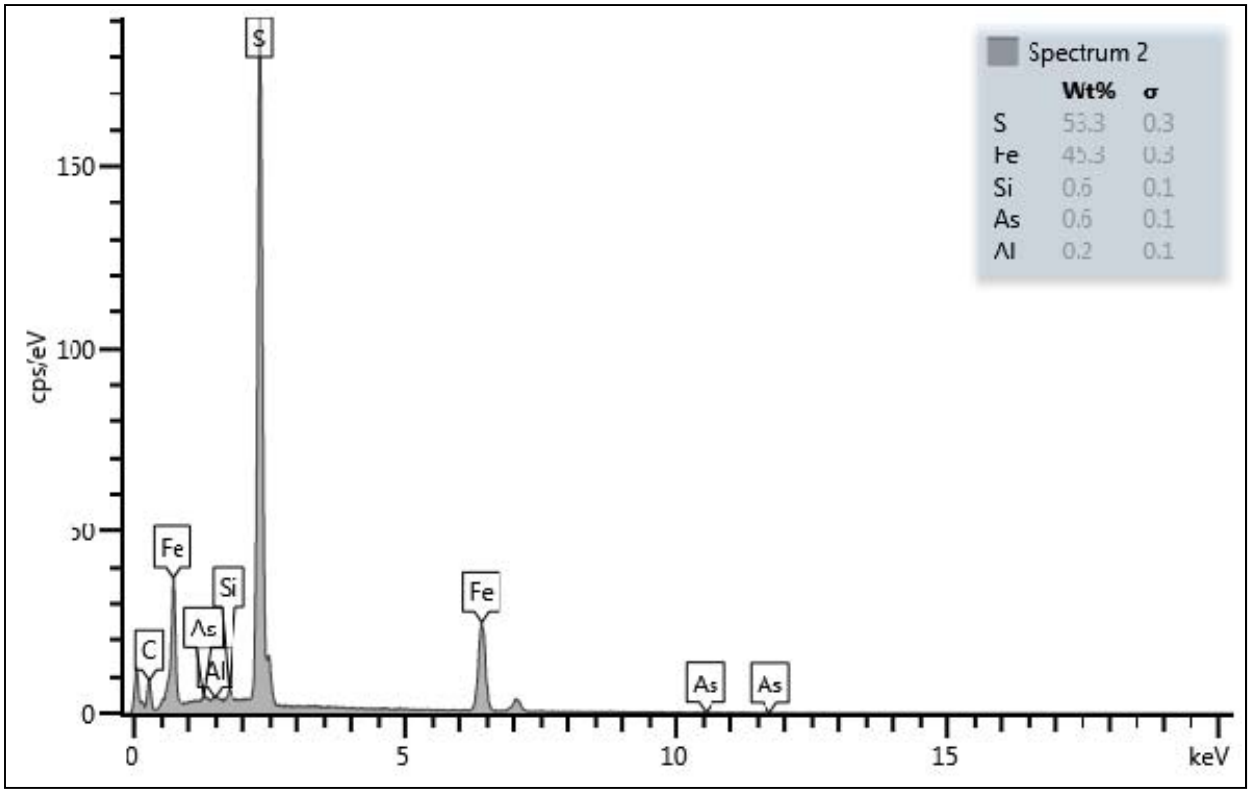
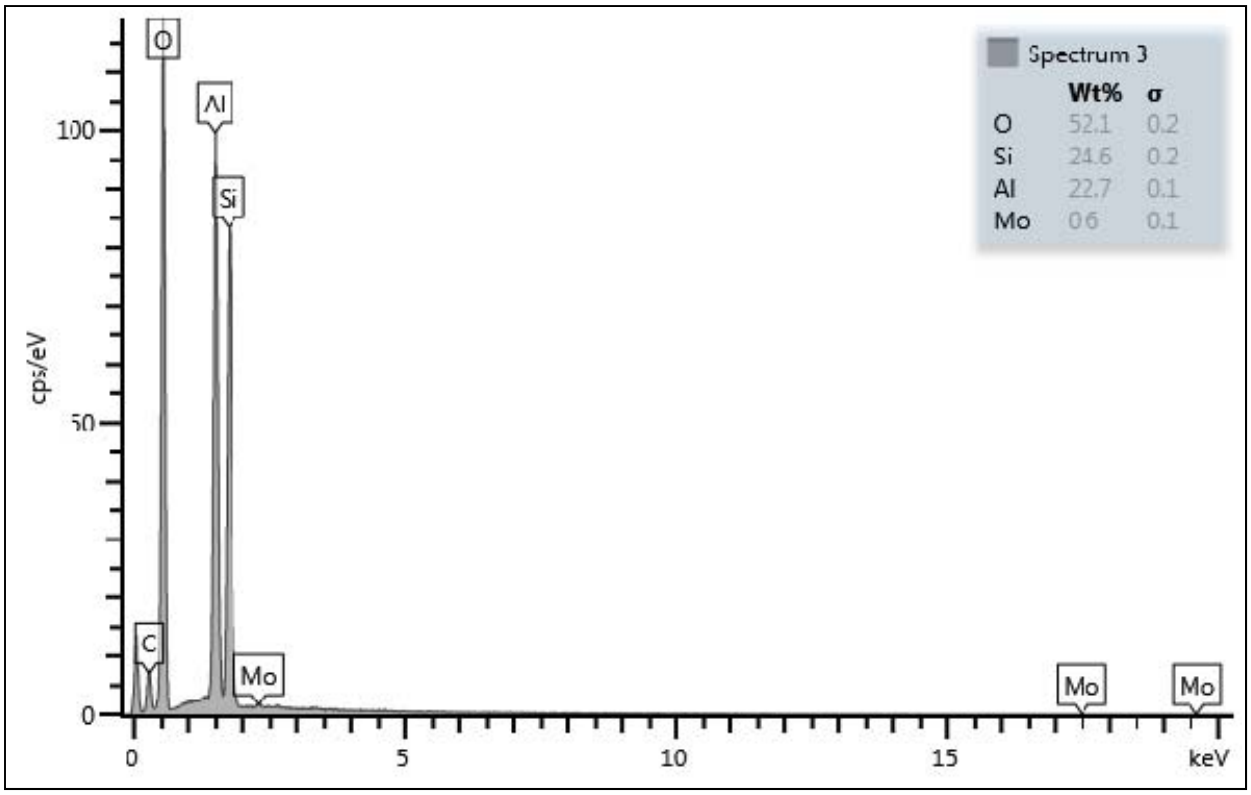
Daneros Mine Sample D-10

9/12/2012





OXFORD INSTRUMENTS
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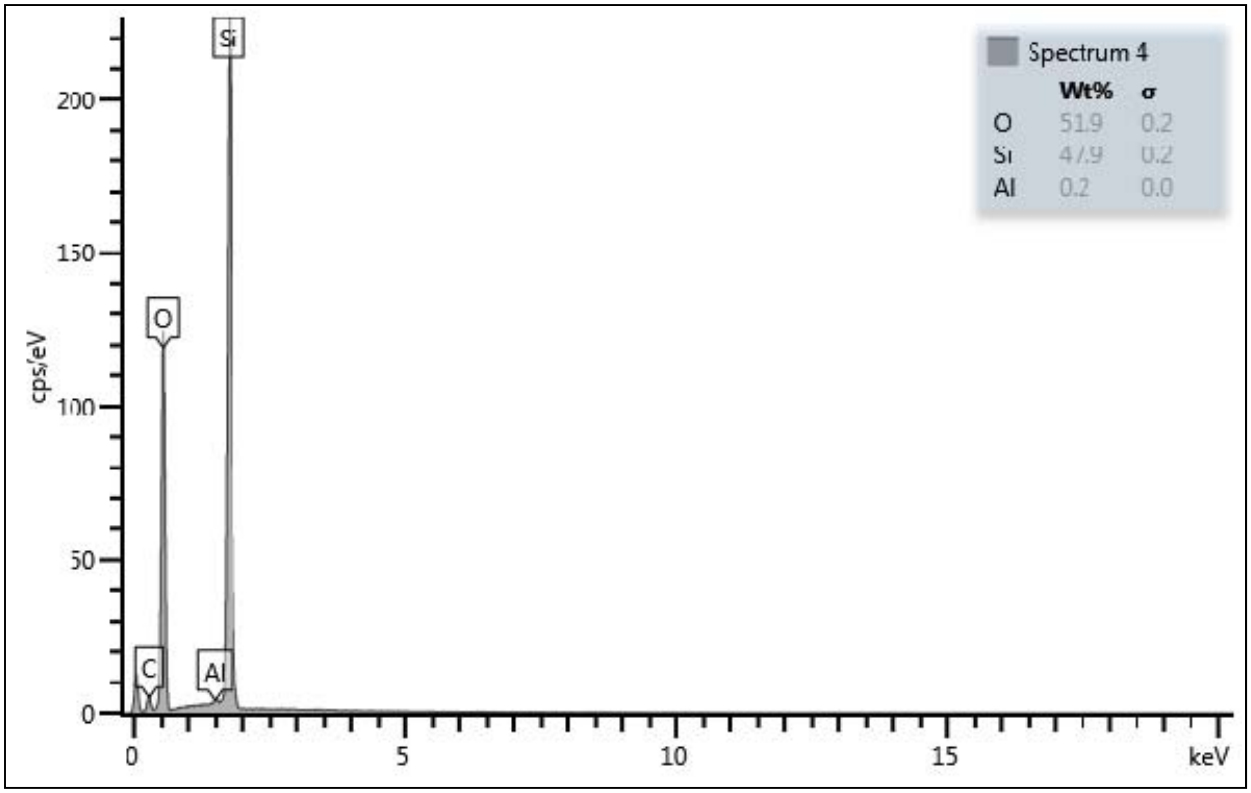
Daneros Mine Sample D-10

9/12/2012



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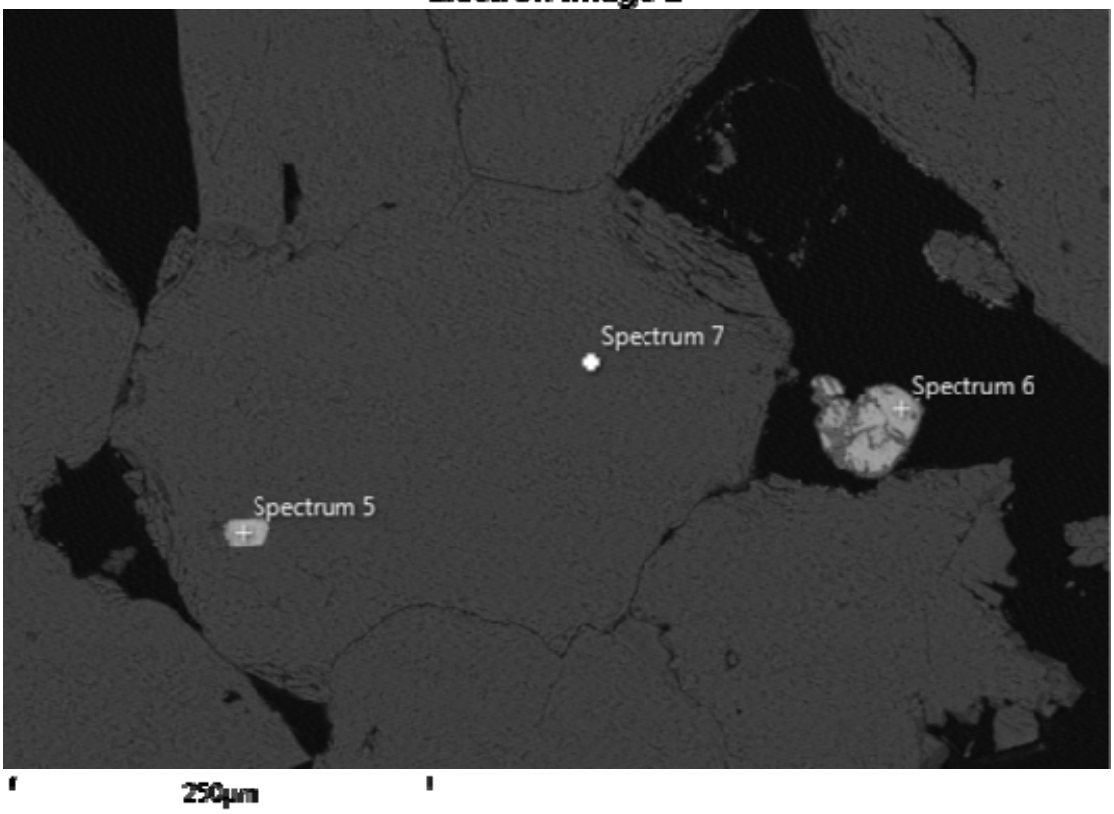
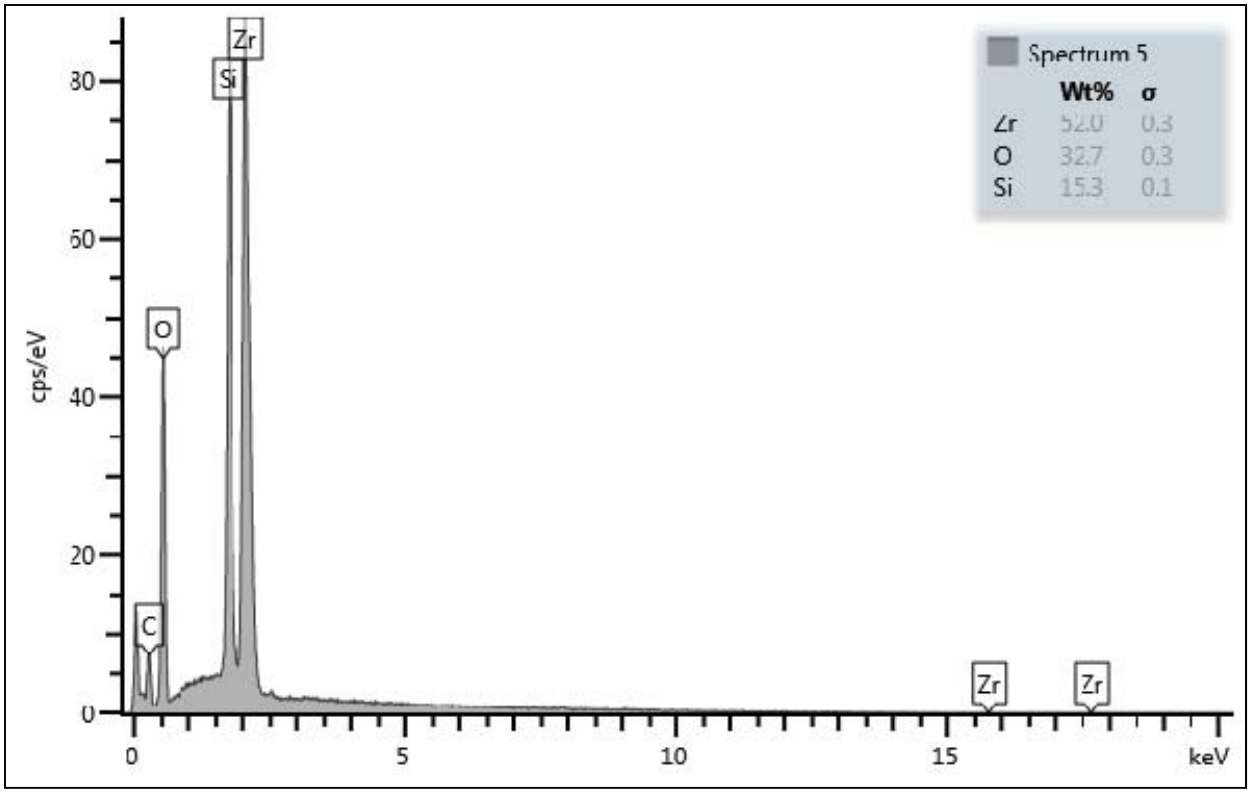
Electron Image 2





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Daneros Mine Sample D-10

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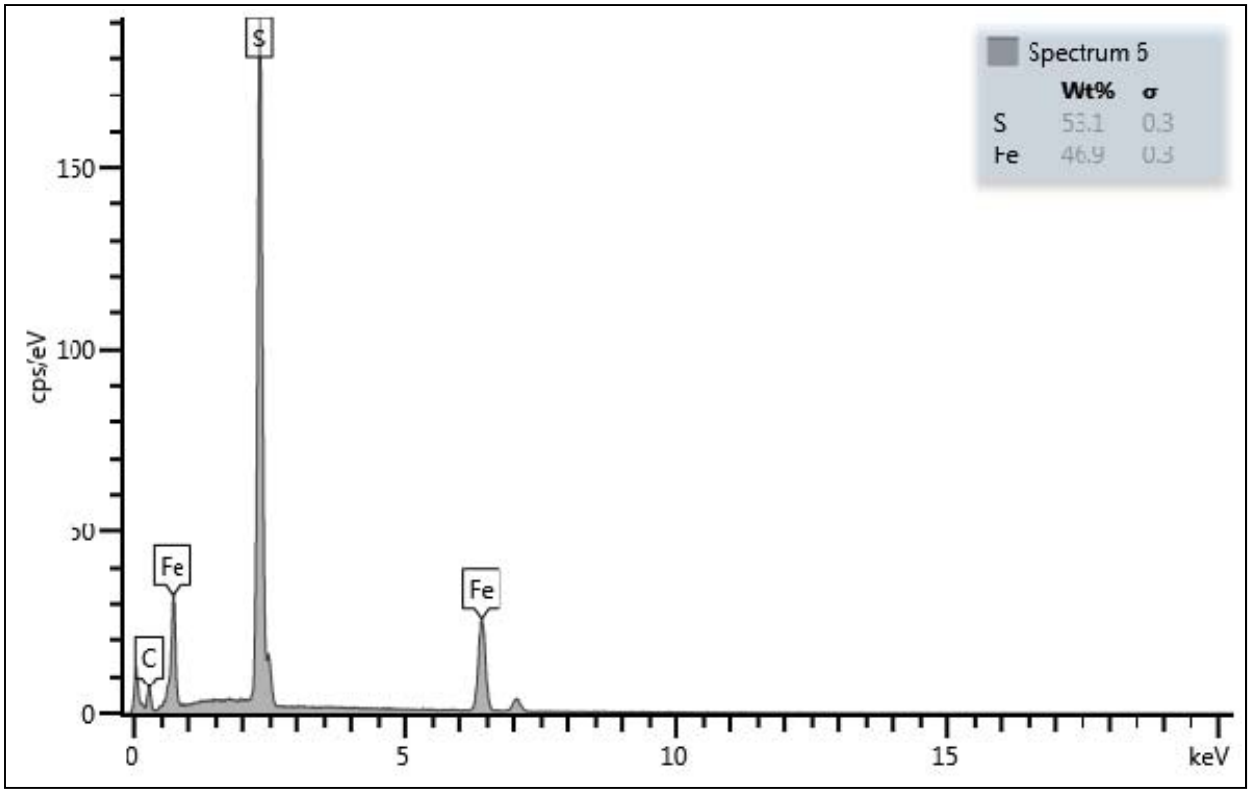

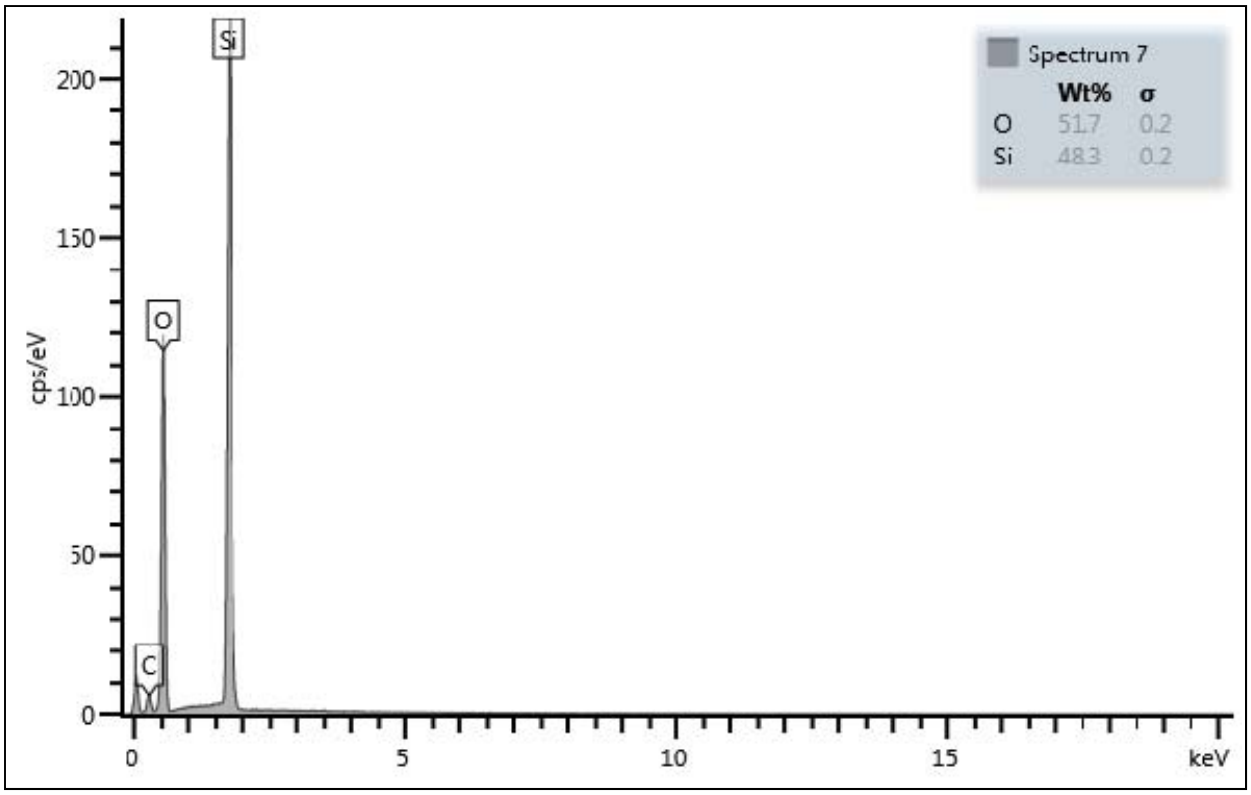

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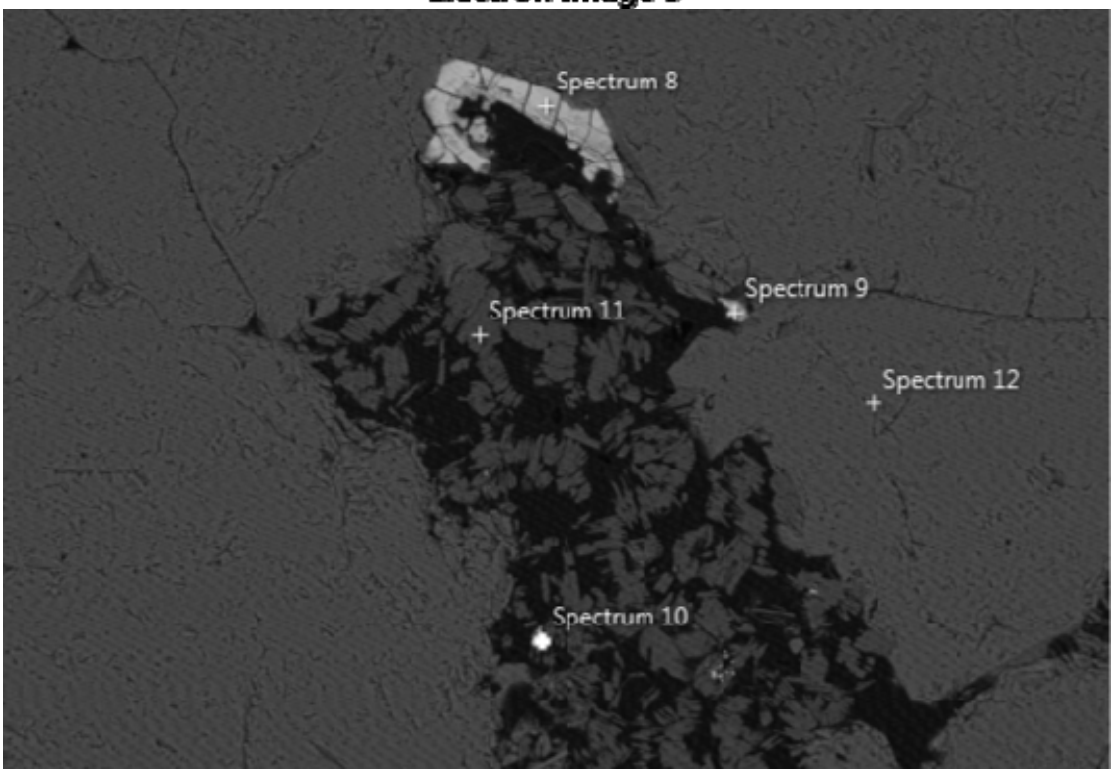
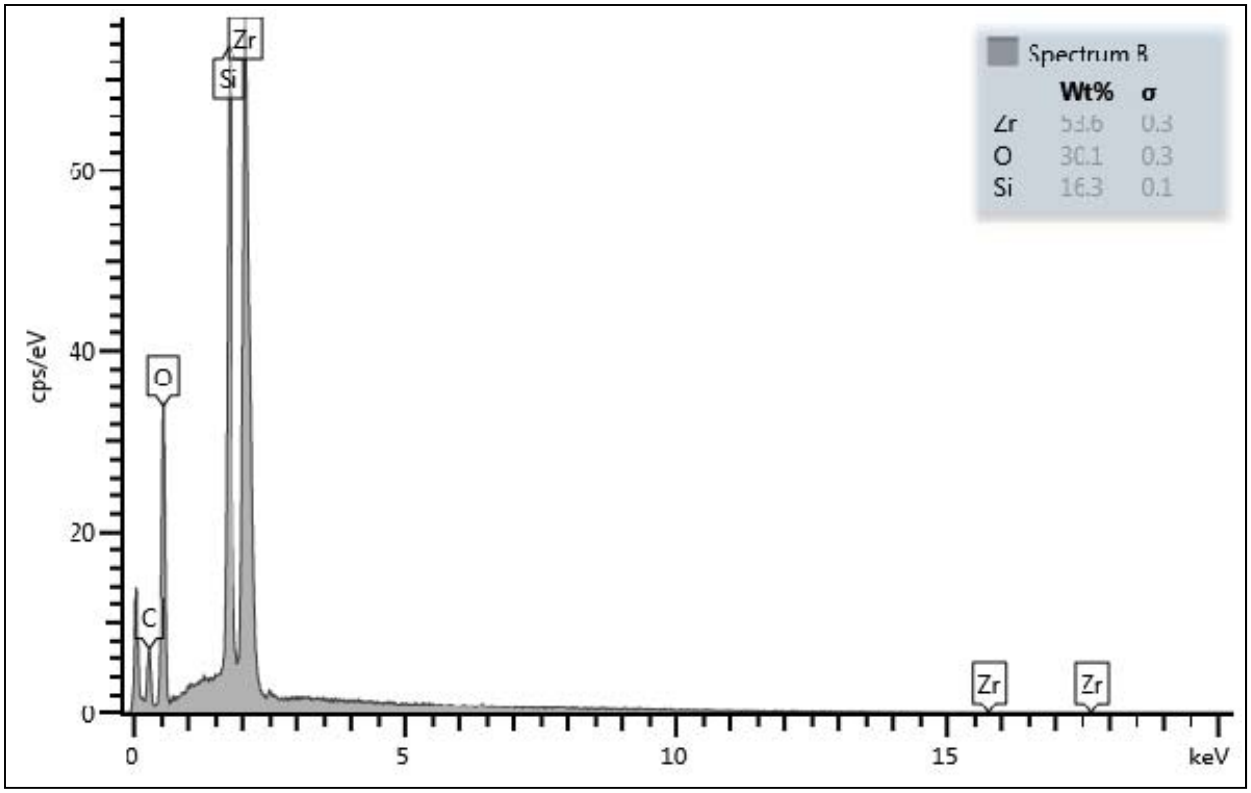
Electron Image 3



100µm



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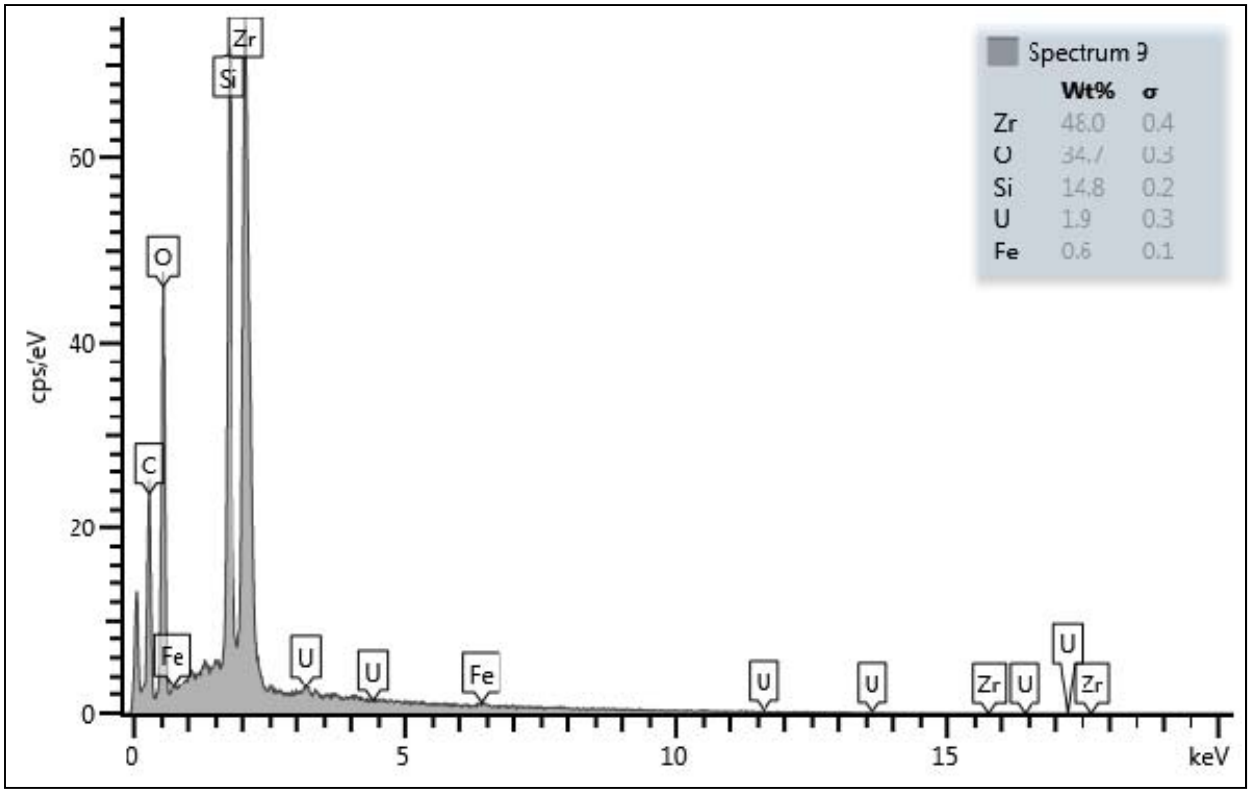
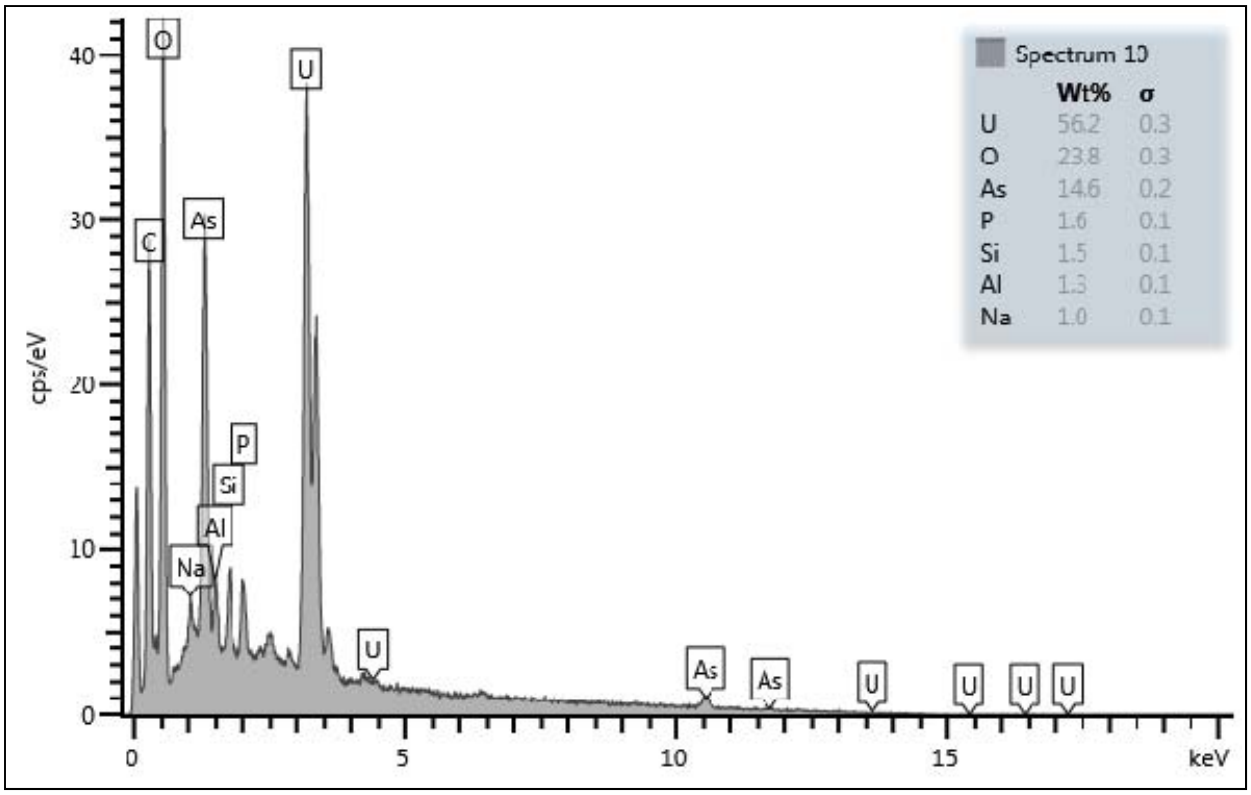
Daneros Mine Sample D-10

9/12/2012





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Daneros Mine Sample D-10

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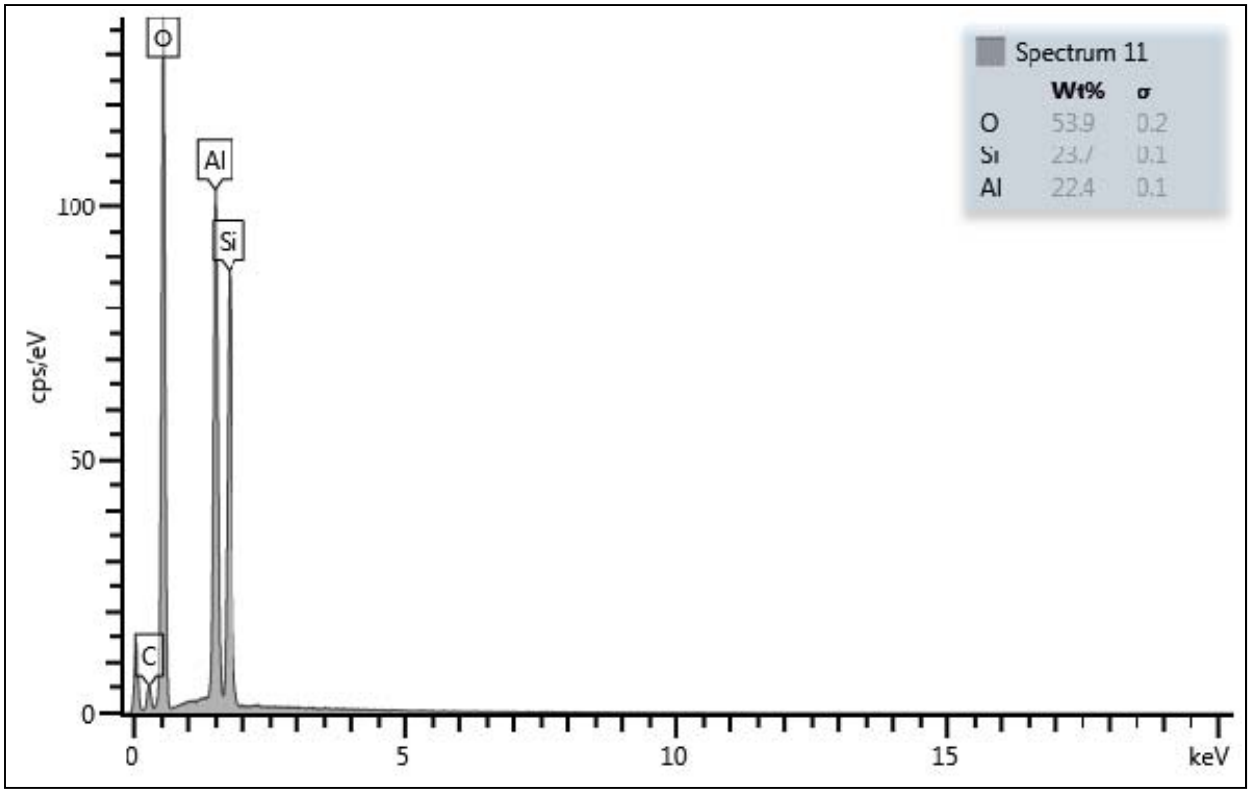

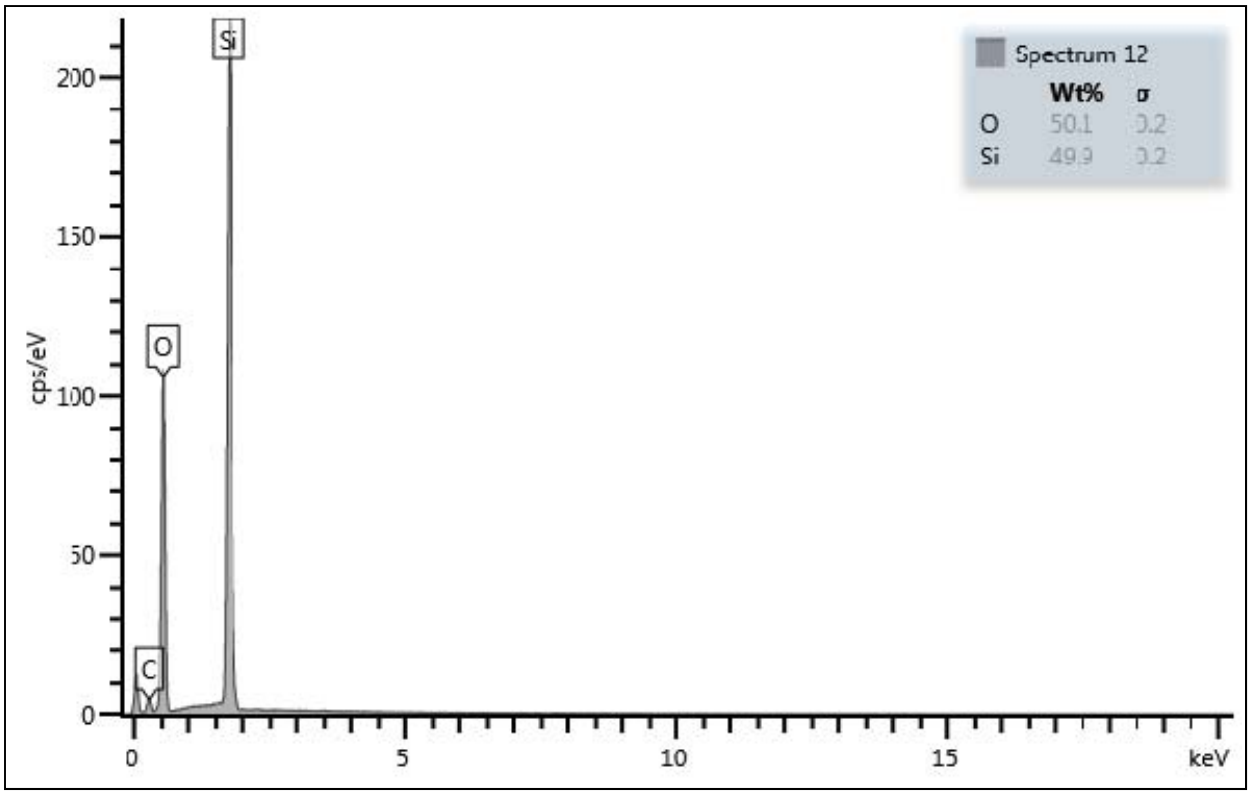

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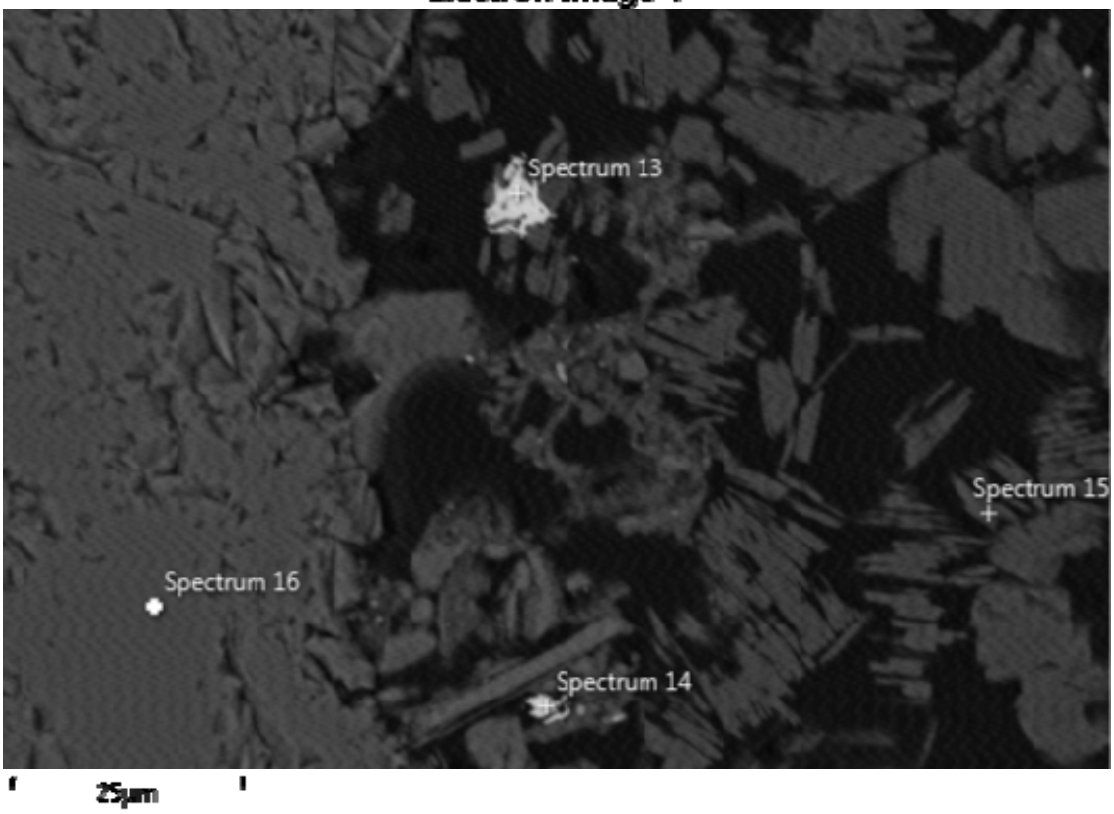
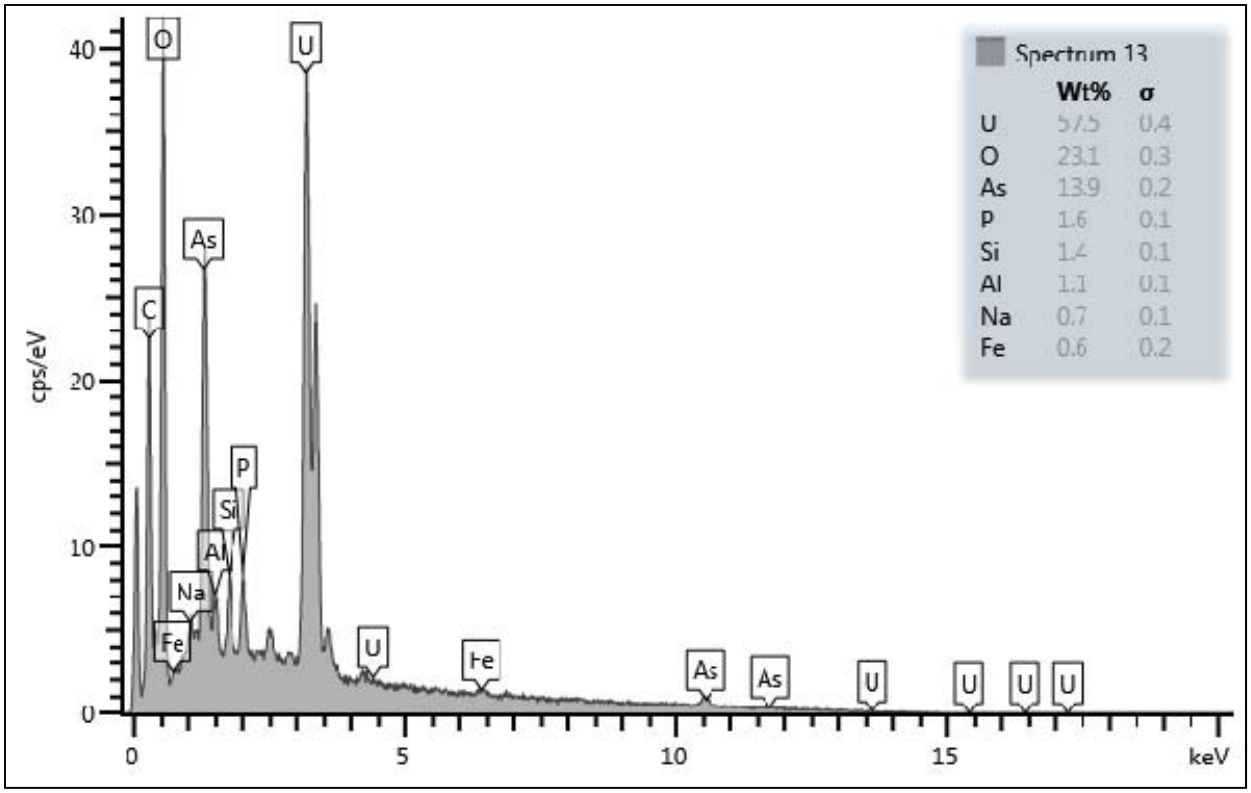
Electron Image 4





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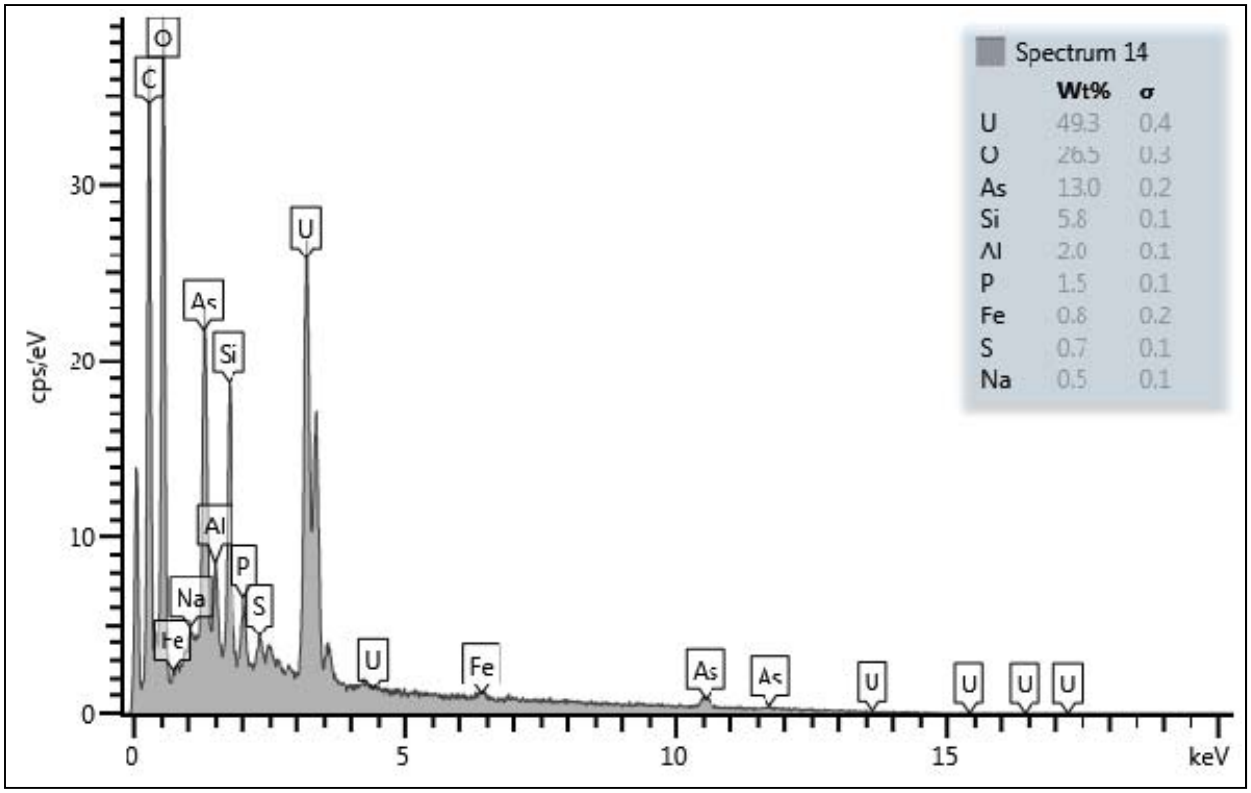
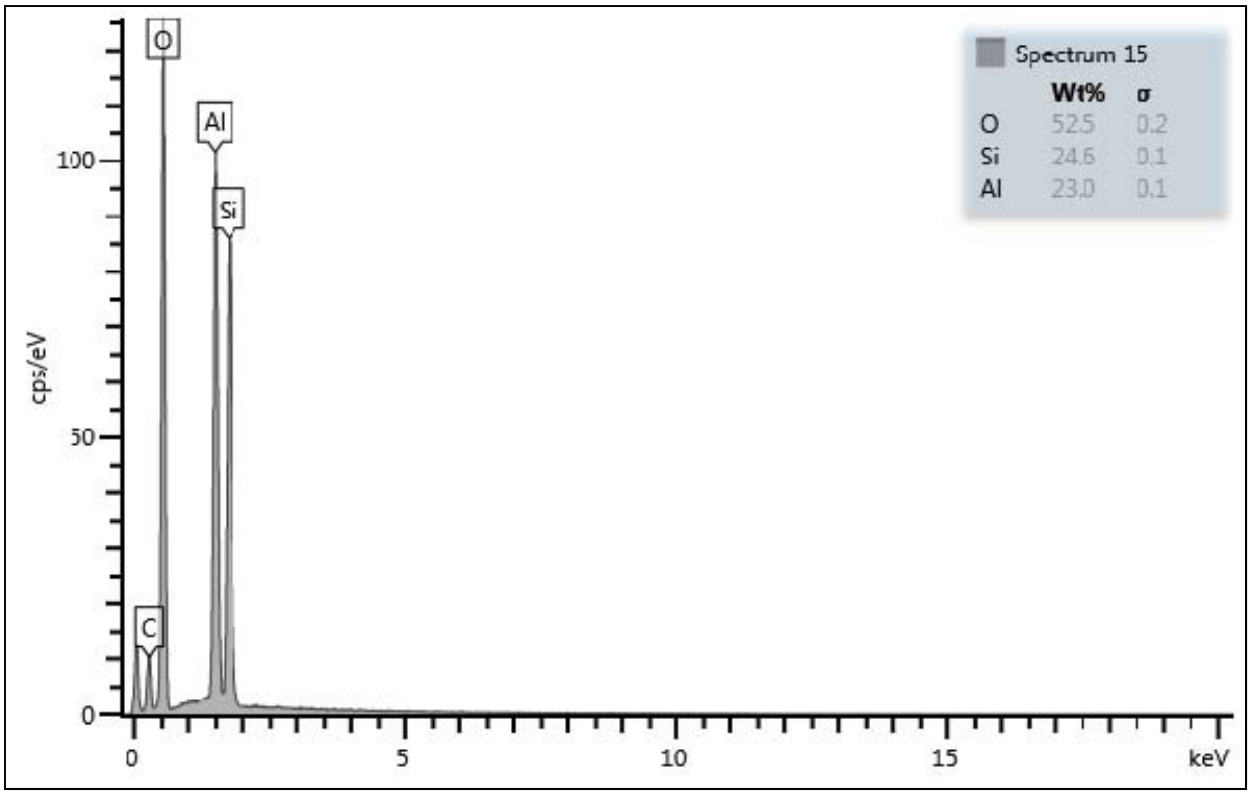
Daneros Mine Sample D-10

9/12/2012





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Daneros Mine Sample D-10

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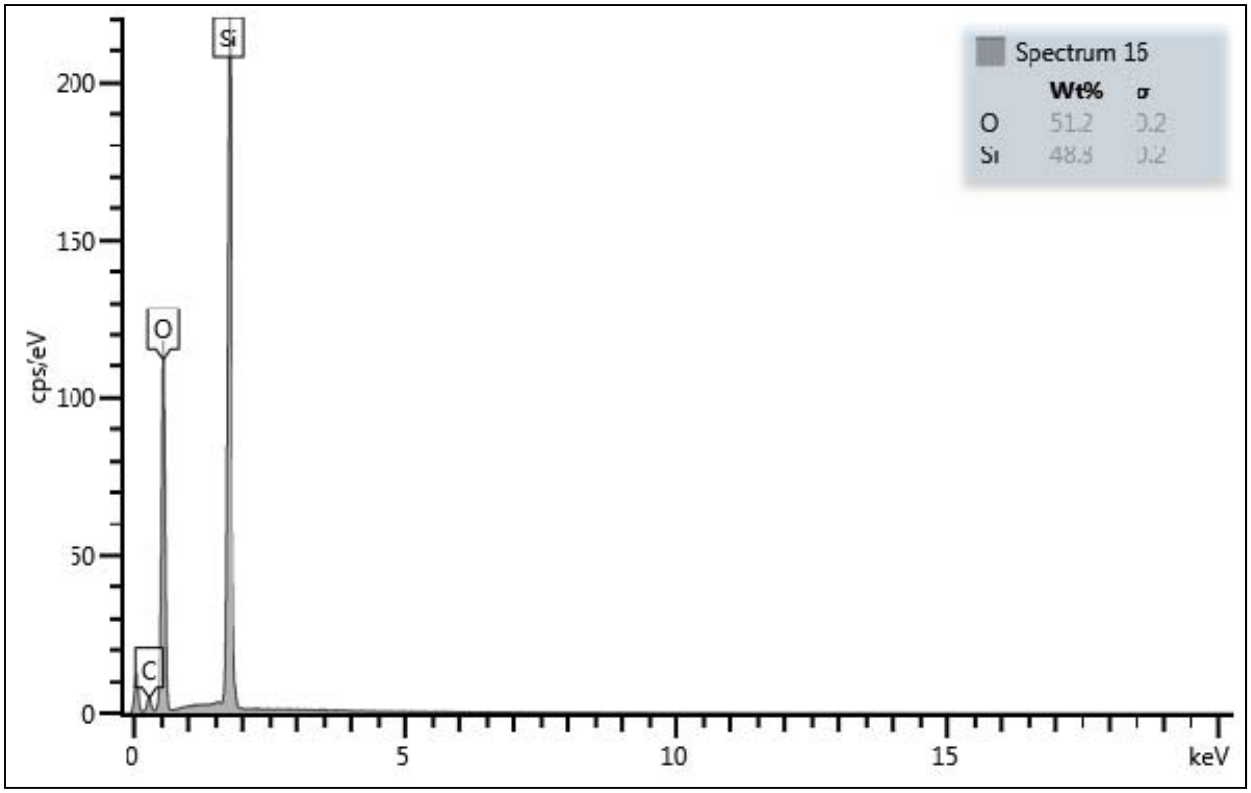

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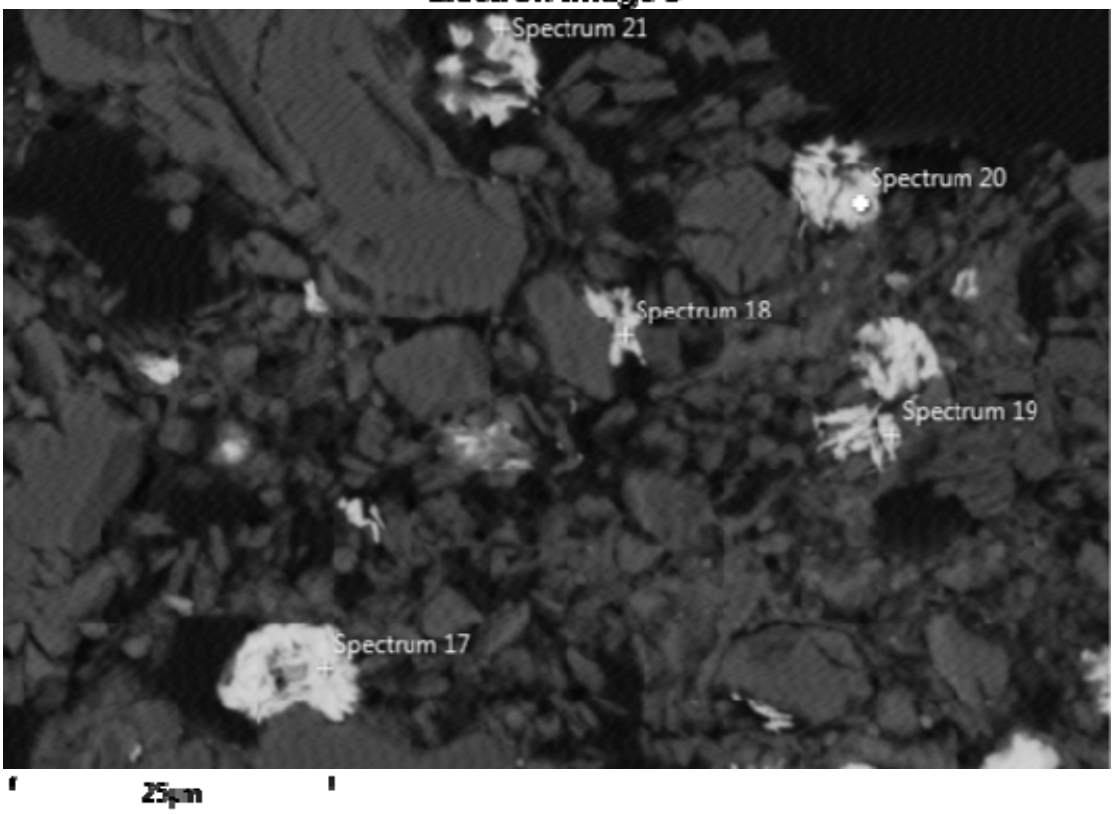
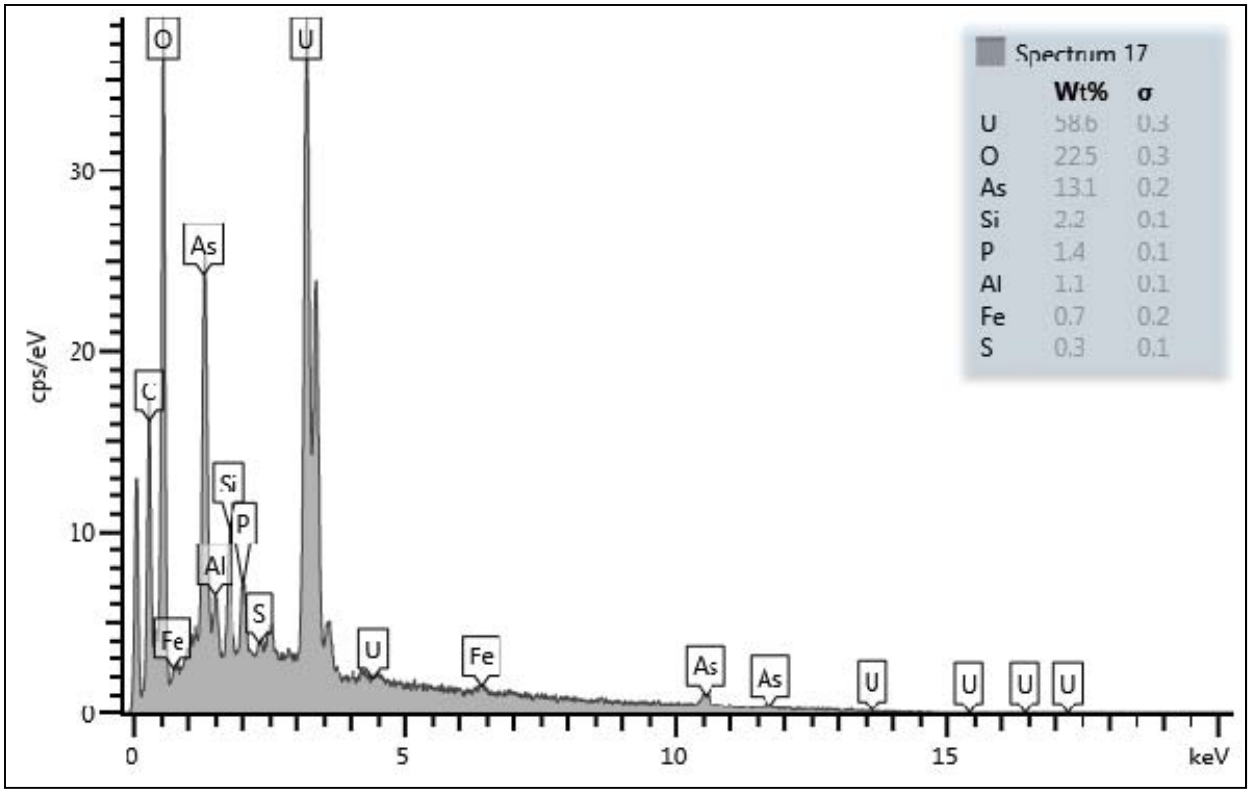
Daneros Mine Sample D-10 9/12/2012

Electron Image 5





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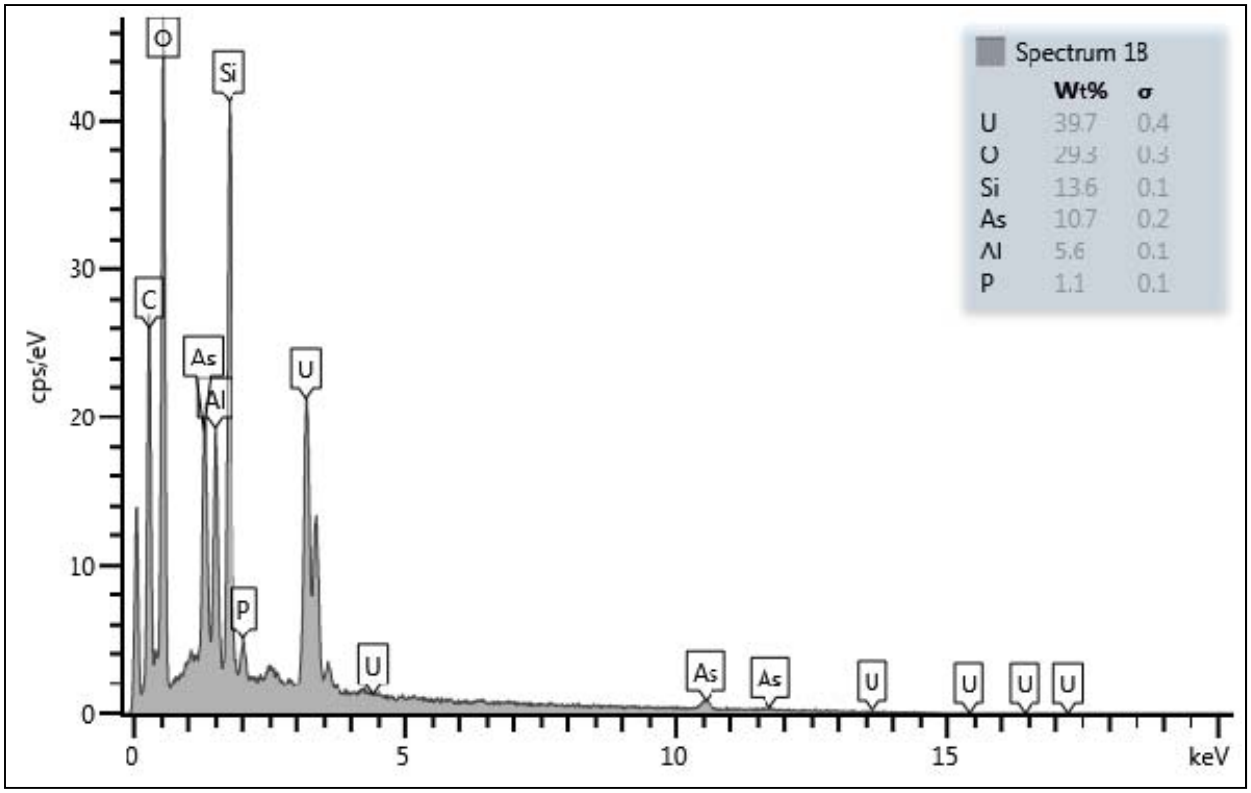
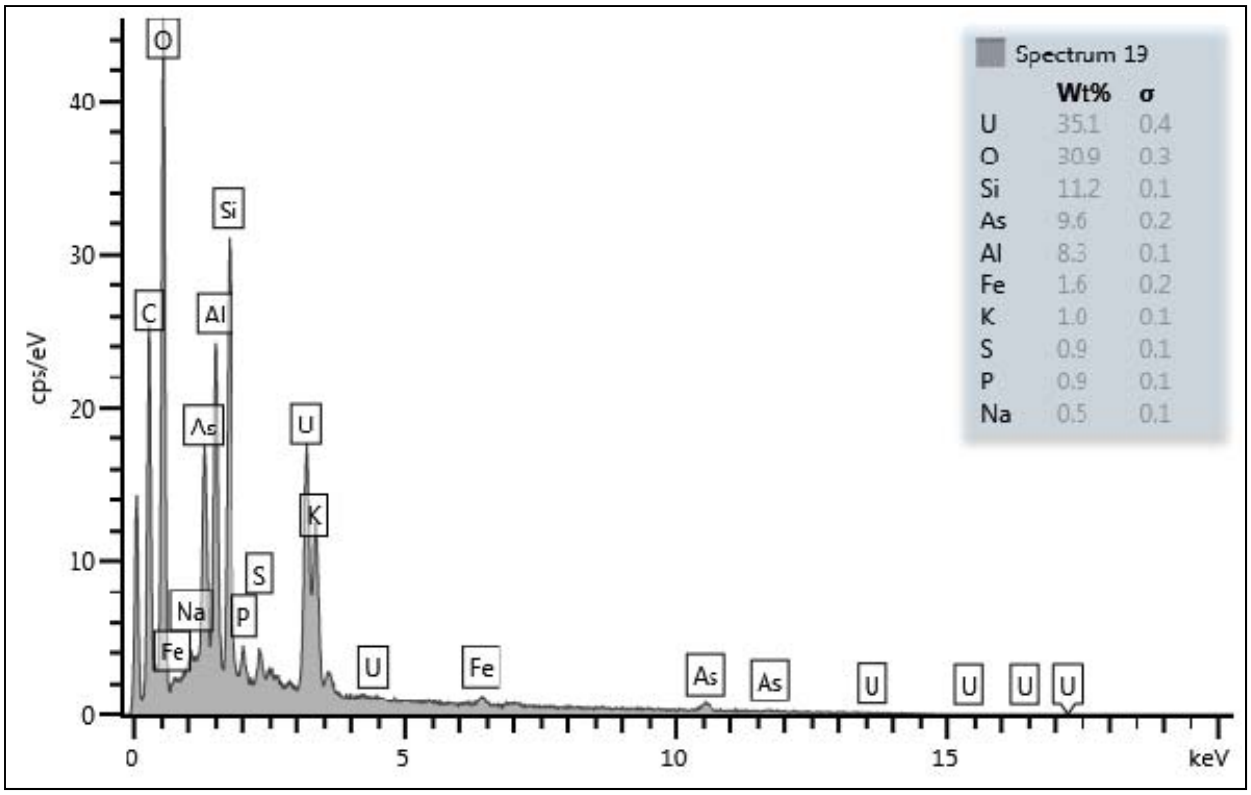
Daneros Mine Sample D-10

9/12/2012





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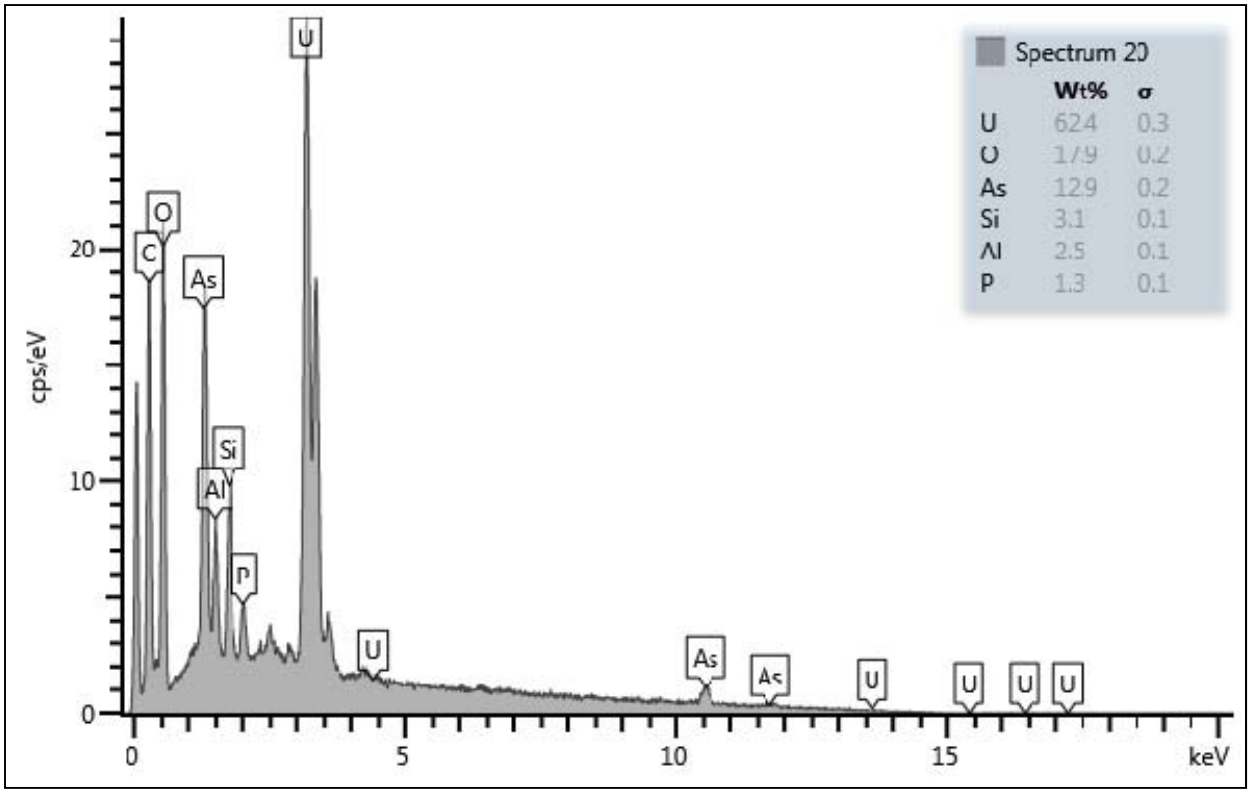
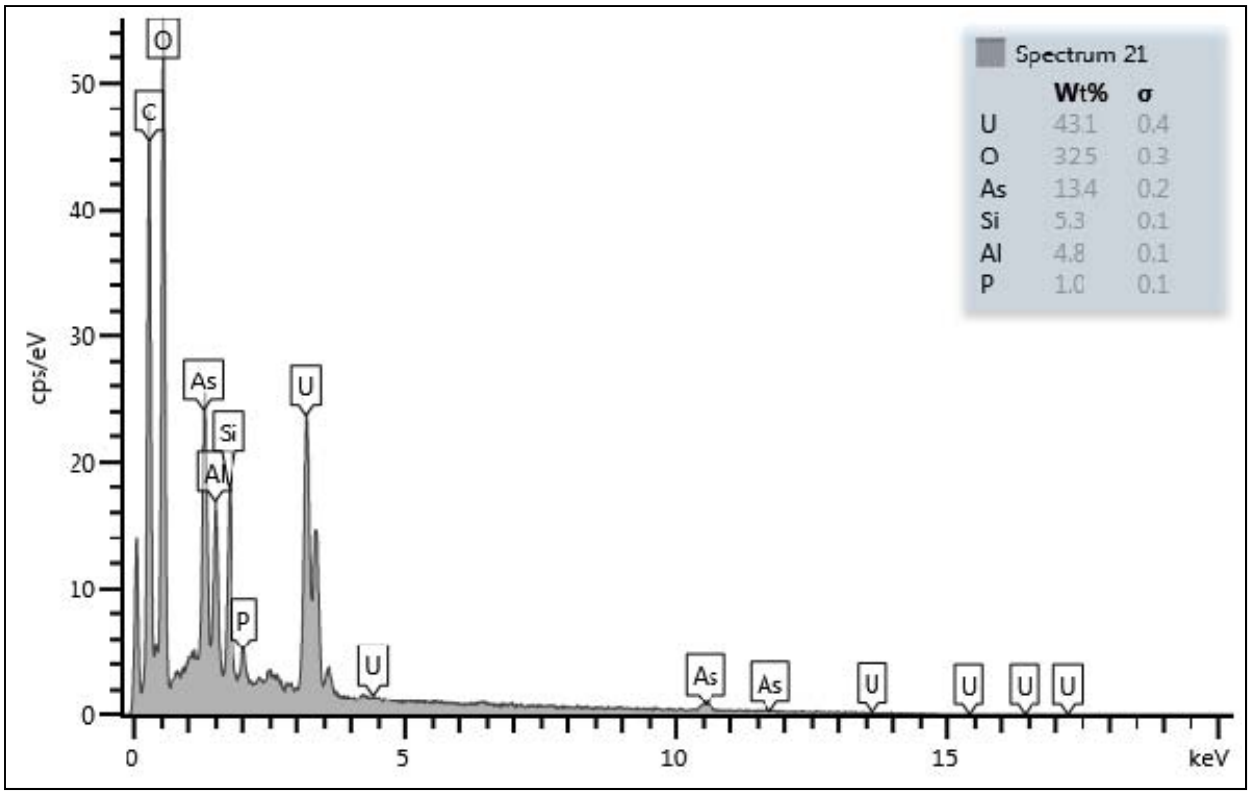
Daneros Mine Sample D-10

9/12/2012





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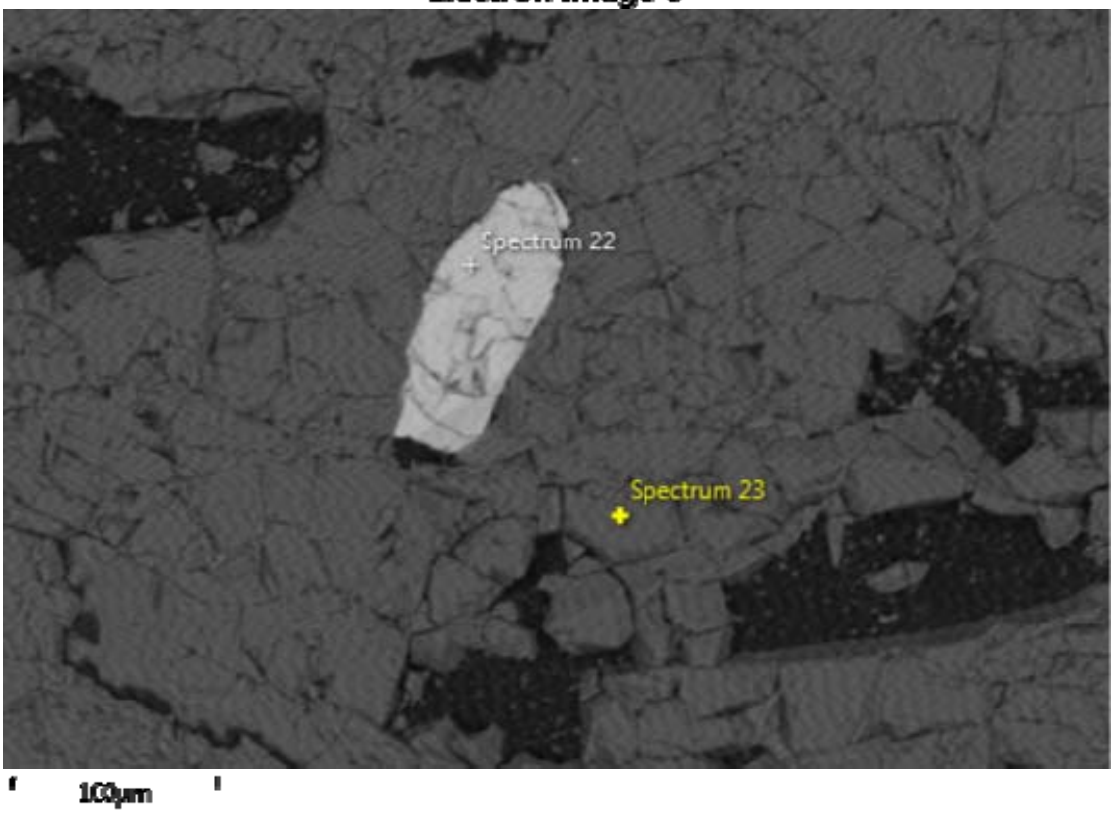
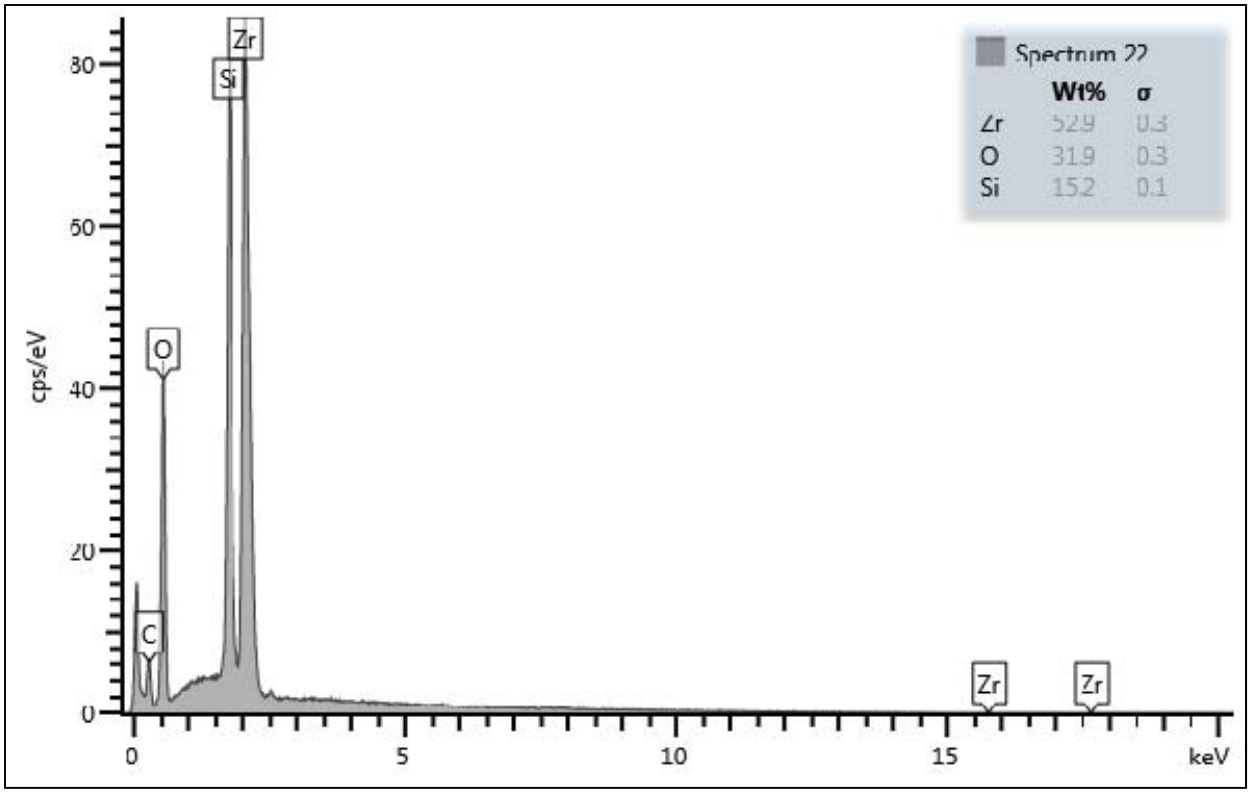
Electron Image 6





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Daneros Mine Sample D-10

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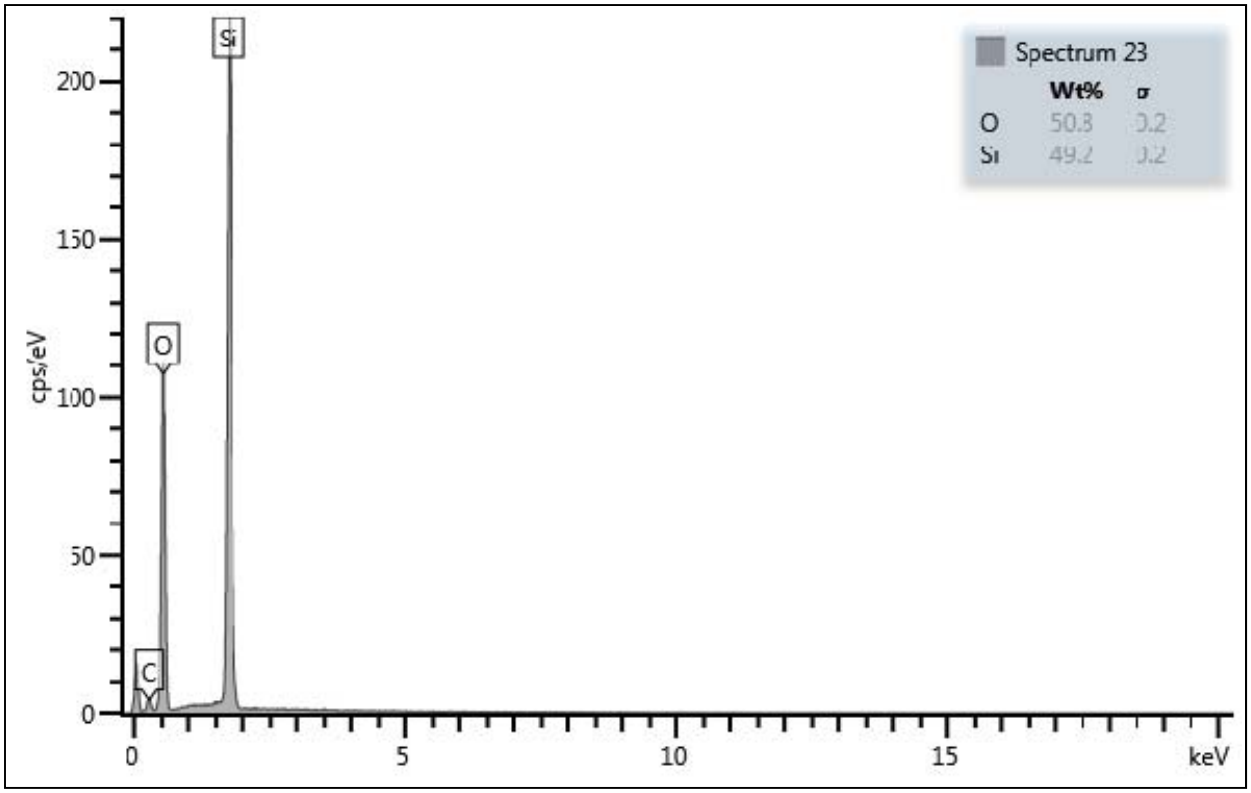

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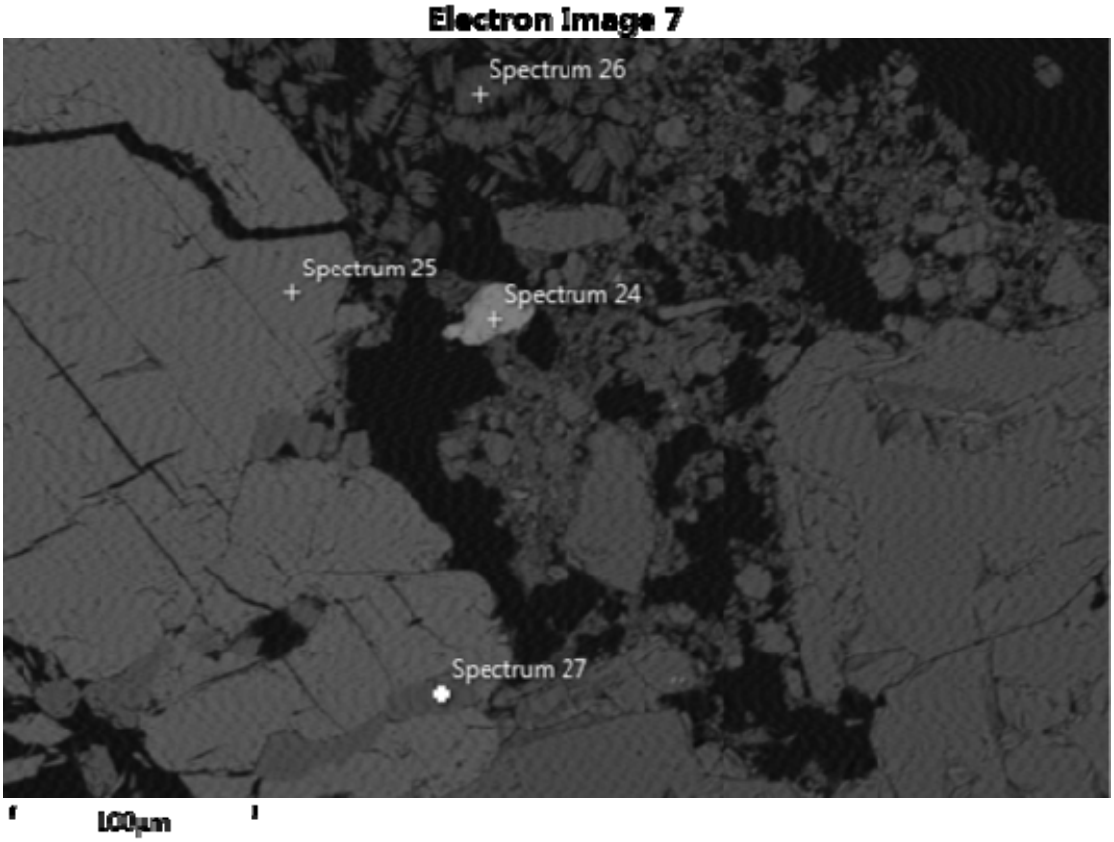
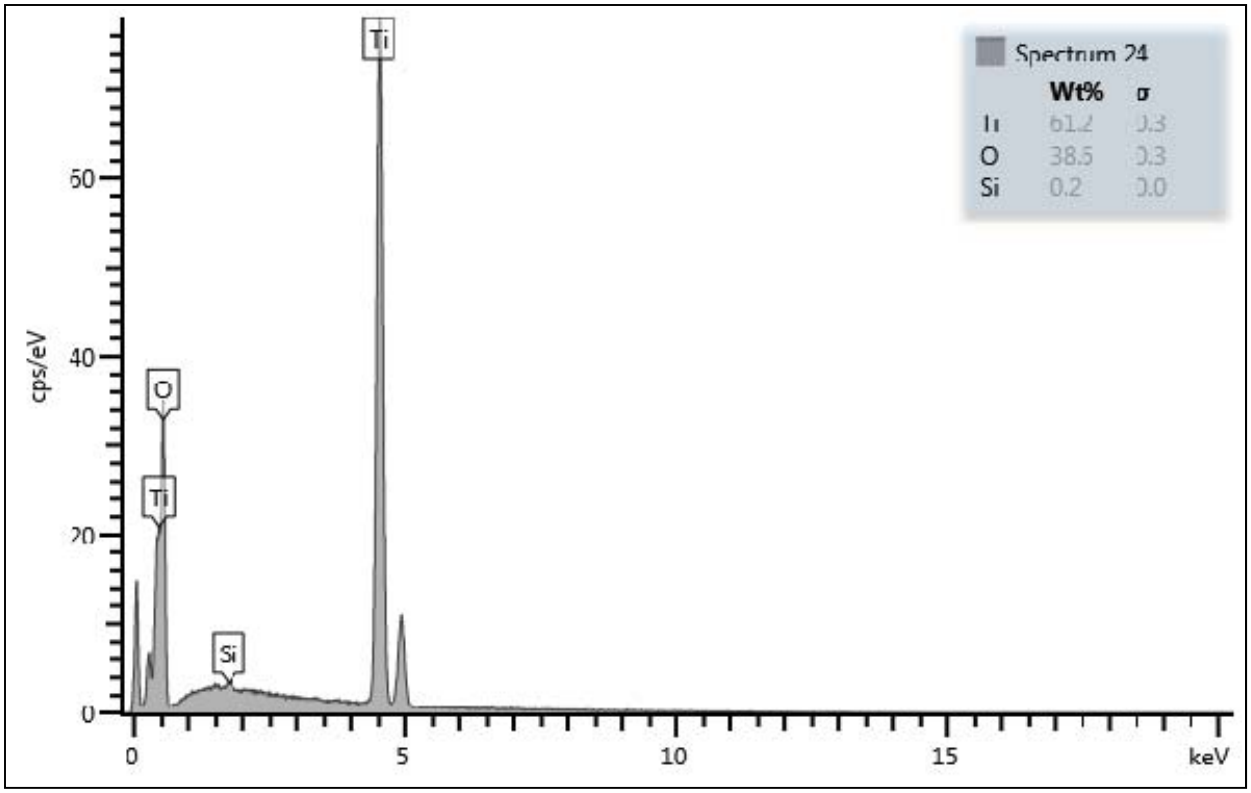
Daneros Mine Sample D-10 9/12/2012





OXFORD INSTRUMENTS
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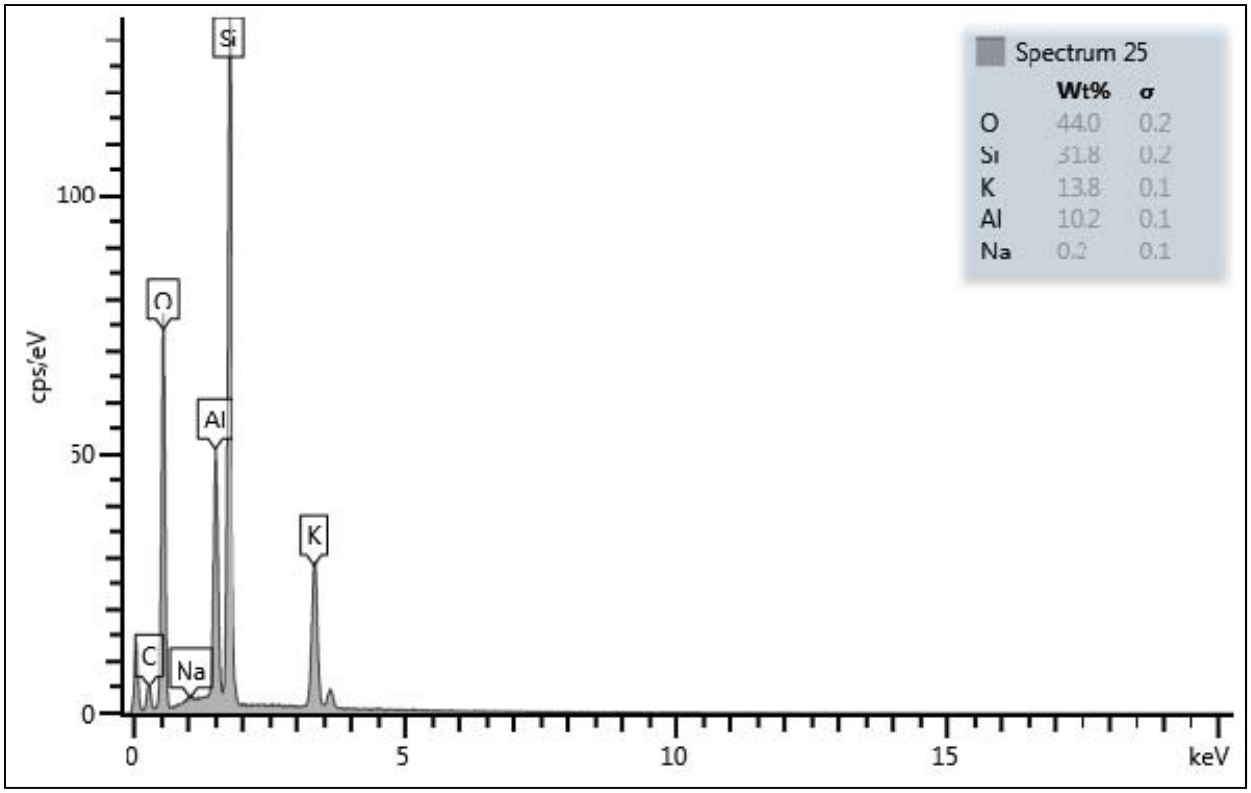
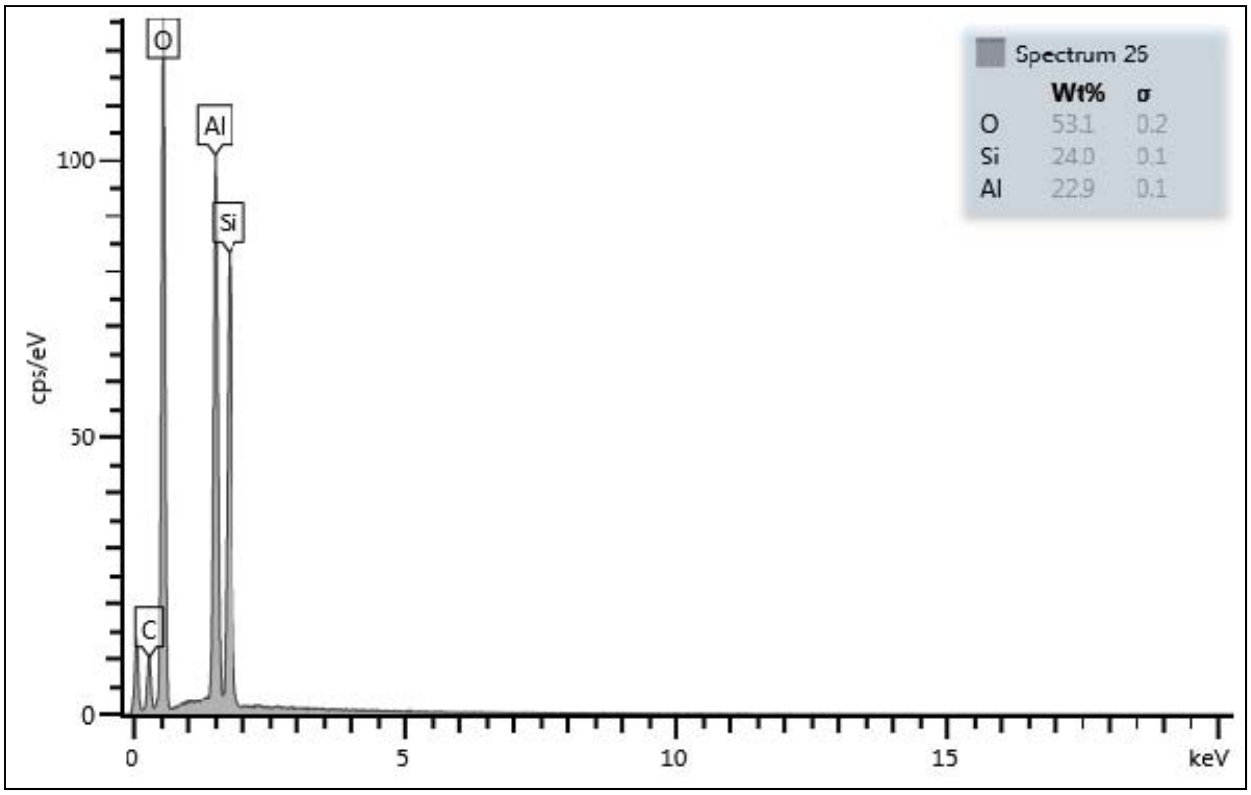
Daneros Mine Sample D-10

9/12/2012





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Attachment 4
Laboratory Analysis Data

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Rock Sampling
Lab ID: C12050751-001
Client Sample ID: Daneros Ore Pile

Report Date: 05/25/12
Collection Date: 05/17/12 13:40
DateReceived: 05/21/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
ACID-BASE POTENTIAL							
Neutralization Potential	5	t/kt				Sobek Modifie	05/24/12 09:16 / eli-h
Acid Potential	25	t/kt		0.3		Sobek Modifie	05/24/12 10:33 / eli-h
Acid/Base Potential	-20	t/kt				Sobek Modifie	05/24/12 10:33 / eli-h
SULFUR FORMS							
Sulfur, Total	1.3	%		0.01		Sobek Modifie	05/25/12 08:24 / eli-h
Sulfur, Hot Water Extractable	ND	%		0.01		Sobek Modifie	05/25/12 08:24 / eli-h
Sulfur, HCl Extractable	0.01	%		0.01		Sobek Modifie	05/25/12 08:24 / eli-h
Sulfur, HNO3 Extractable	0.79	%		0.01		Sobek Modifie	05/25/12 08:24 / eli-h
Sulfur, Residual	0.50	%		0.01		Sobek Modifie	05/25/12 08:24 / eli-h
PHYSICAL PROPERTIES							
Corrosivity - pH	5.43	s.u.		0.01		SW9045D	05/22/12 14:50 / rw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

PRELIMINARY

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Rock Sampling
Lab ID: C12050758-001
Client Sample ID: Daneros Waste Rock

Report Date: 05/25/12
Collection Date: 05/17/12 10:15
DateReceived: 05/21/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
ACID-BASE POTENTIAL							
Neutralization Potential	3	t/kt				Sobek Modifie	05/24/12 12:10 / eli-h
Acid Potential	24	t/kt		0.3		Sobek Modifie	05/24/12 10:34 / eli-h
Acid/Base Potential	-21	t/kt				Sobek Modifie	05/24/12 10:34 / eli-h
SULFUR FORMS							
Sulfur, Total	0.96	%		0.01		Sobek Modifie	05/25/12 09:03 / eli-h
Sulfur, Hot Water Extractable	0.05	%		0.01		Sobek Modifie	05/25/12 09:03 / eli-h
Sulfur, HCl Extractable	0.05	%		0.01		Sobek Modifie	05/25/12 09:03 / eli-h
Sulfur, HNO3 Extractable	0.77	%		0.01		Sobek Modifie	05/25/12 09:03 / eli-h
Sulfur, Residual	0.09	%		0.01		Sobek Modifie	05/25/12 09:03 / eli-h
PHYSICAL PROPERTIES							
Corrosivity - pH	7.19	s.u.		0.01		SW9045D	05/22/12 14:50 / rw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

PRELIMINARY

ANALYTICAL SUMMARY REPORT

August 10, 2012

Denison Mines USA Corp
1050 17th St Ste 950
Denver, CO 80265

Workorder No.: C12060238 Quote ID: C3820 - Daneros SPLP

Project Name: Daneros

Energy Laboratories, Inc. Casper WY received the following 6 samples for Denison Mines USA Corp on 6/5/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12060238-001	Waste Rock 1	06/04/12 9:30	06/05/12	Solid	Metals by ICP/ICPMS, Total Acid Base Potential Cancelled Sample Mercury, Total pH corrosivity Percent Moisture Digestion, Total Metals ABP Prep in Casper CVAA Permanganate Digest Corrosivity pH prep Services Provided by Lab Sulfur Forms
C12060238-002	Waste Rock 2	06/04/12 9:30	06/05/12	Solid	Same As Above
C12060238-003	Waste Rock 3	06/04/12 9:30	06/05/12	Solid	Metals by ICP/ICPMS, Total Metals, SPLP Extractable Acid Base Potential Mercury, SPLP Mercury, Total Mercury Analysis Prep Filterability Nitrate+Nitrite as N, KCL Extract Nitrogen, Nitrate + Nitrite pH corrosivity Percent Moisture Digestion, Total Metals Digestion, Total Metals ABP Prep in Casper CVAA Permanganate Digest KCL Soil Extract Corrosivity pH prep Services Provided by Lab Sulfur Forms SPLP Extraction, Regular

ANALYTICAL SUMMARY REPORT

C12060238-004	Ore 1	06/04/12 11:45	06/05/12	Solid	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Metals by ICP/ICPMS, Total Acid Base Potential Conductivity Mercury, Dissolved Mercury, Total Mercury, Total Mercury Analysis Prep Fluoride Hardness E300.0 Anions Nevada Leachate Procedure Nitrogen, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate + Nitrite Nitrogen, Nitrate as N pH corrosivity pH Percent Moisture Metals Preparation by EPA 200.2 Digestion, Total Metals ABP Prep in Casper CVAA Permanganate Digest Corrosivity pH prep Gross Alpha, Gross Beta Services Provided by Lab Sulfur Forms Solids, Total Dissolved
C12060238-005	Ore 2	06/04/12 11:45	06/05/12	Solid	Same As Above
C12060238-006	Ore 3	06/04/12 11:45	06/05/12	Solid	Same As Above

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

CLIENT: Denison Mines USA Corp
Project: Daneros
Sample Delivery Group: C12060238

Report Date: 08/10/12

CASE NARRATIVE

TOTAL METALS ANALYSIS
Per client, the following protocol was followed for total metals anaysis:
- o Crush entire sample to -60 mesh
- o Split a subsample of 100 grams
- o Pulverize the 100 gram subsample to -150 mesh
- o Split out 10 gram subsample
- o Digest entire 10 gram subsample for ICP analysis

PREP COMMENTS
The prep hold time for the SPLP extraction on sample -003 was exceeded by 10.3 days.

BRANCH LABORATORY SUBCONTRACT ANALYSIS
Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS
Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:
USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001, Radiochemical WY200002; Utah: WY00002; Virginia: 00057; Washington: C836

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros
Lab ID: C12060238-001
Client Sample ID: Waste Rock 1

Report Date: 08/10/12
Collection Date: 06/04/12 09:30
DateReceived: 06/05/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Corrosivity - pH	7.45	s.u.		0.01		SW9045D	06/07/12 11:19 / jes
Moisture	ND	%		0.1		D2974	06/11/12 16:03 / jes
ACID-BASE POTENTIAL							
Neutralization Potential	6	t/kt		0.1		Sobek Modifie	06/13/12 15:30 / eli-b
Acid Potential	19	t/kt		1		Sobek Modifie	06/13/12 15:30 / eli-b
Acid/Base Potential	-13	t/kt				Sobek Modifie	06/13/12 15:30 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	0.64	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, Hot Water Extractable	0.02	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, HCl Extractable	0.04	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, HNO3 Extractable	0.50	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, Residual	0.07	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
METALS - TOTAL							
Aluminum	2120	mg/kg-dry	D	5.4		SW6020	06/09/12 06:43 / cp
Antimony	ND	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Arsenic	41.5	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Barium	128	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Beryllium	ND	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Boron	ND	mg/kg-dry		5.0		SW6020	06/09/12 06:43 / cp
Cadmium	ND	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Calcium	846	mg/kg-dry	D	27.8		SW6020	06/09/12 06:43 / cp
Chromium	4.0	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Cobalt	29.6	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Copper	459	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Iron	8030	mg/kg-dry	D	0.9		SW6020	06/09/12 06:43 / cp
Lead	25.3	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Lithium	ND	mg/kg-dry		10.0		SW6020	06/09/12 06:43 / cp
Magnesium	963	mg/kg-dry		5.0		SW6020	06/09/12 06:43 / cp
Manganese	32.3	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Mercury	ND	mg/kg-dry		0.05		SW7471A	06/15/12 14:09 / jrm
Molybdenum	3.6	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Nickel	24.5	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Phosphorus	92.3	mg/kg-dry		10.0		SW6020	06/09/12 06:43 / cp
Potassium	562	mg/kg-dry		5.0		SW6020	06/09/12 06:43 / cp
Selenium	ND	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Silica	2420	mg/kg-dry	D	31.1		SW6010B	06/27/12 22:31 / sf
Silver	ND	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Sodium	488	mg/kg-dry	D	12.3		SW6020	06/09/12 06:43 / cp
Strontium	23.6	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros
Lab ID: C12060238-001
Client Sample ID: Waste Rock 1

Report Date: 08/10/12
Collection Date: 06/04/12 09:30
DateReceived: 06/05/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Thallium	0.8	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Tin	ND	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Titanium	29.8	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Uranium	126	mg/kg-dry		0.5		SW6020	06/09/12 06:43 / cp
Vanadium	6.8	mg/kg-dry	B	0.5		SW6020	06/09/12 06:43 / cp
Zinc	87.3	mg/kg-dry	D	3.7		SW6010B	06/27/12 22:31 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
B - The analyte was detected in the method blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros
Lab ID: C12060238-002
Client Sample ID: Waste Rock 2

Report Date: 08/10/12
Collection Date: 06/04/12 09:30
DateReceived: 06/05/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Corrosivity - pH	6.49	s.u.		0.01		SW9045D	06/07/12 11:19 / jes
Moisture	0.2	%		0.1		D2974	06/11/12 16:03 / jes
ACID-BASE POTENTIAL							
Neutralization Potential	6	t/kt		0.1		Sobek Modifie	06/13/12 15:30 / eli-b
Acid Potential	25	t/kt		1		Sobek Modifie	06/13/12 15:30 / eli-b
Acid/Base Potential	-19	t/kt				Sobek Modifie	06/13/12 15:30 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	0.92	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, Hot Water Extractable	0.12	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, HCl Extractable	ND	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, HNO3 Extractable	0.70	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, Residual	0.10	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
METALS - TOTAL							
Aluminum	2200	mg/kg-dry	D	5.4		SW6020	06/09/12 06:47 / cp
Antimony	ND	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Arsenic	46.8	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Barium	144	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Beryllium	ND	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Boron	ND	mg/kg-dry		5.0		SW6020	06/09/12 06:47 / cp
Cadmium	ND	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Calcium	768	mg/kg-dry	D	27.6		SW6020	06/09/12 06:47 / cp
Chromium	4.3	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Cobalt	32.3	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Copper	464	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Iron	9230	mg/kg-dry	D	0.9		SW6020	06/09/12 06:47 / cp
Lead	29.5	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Lithium	ND	mg/kg-dry		10.0		SW6020	06/09/12 06:47 / cp
Magnesium	1020	mg/kg-dry		5.0		SW6020	06/09/12 06:47 / cp
Manganese	34.0	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Mercury	ND	mg/kg-dry		0.05		SW7471A	06/15/12 14:12 / jrm
Molybdenum	3.1	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Nickel	26.3	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Phosphorus	101	mg/kg-dry		10.0		SW6020	06/09/12 06:47 / cp
Potassium	520	mg/kg-dry		5.0		SW6020	06/09/12 06:47 / cp
Selenium	ND	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Silica	2100	mg/kg-dry	D	30.9		SW6010B	06/27/12 22:36 / sf
Silver	ND	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Sodium	386	mg/kg-dry	D	12.2		SW6020	06/09/12 06:47 / cp
Strontium	22.9	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros
Lab ID: C12060238-002
Client Sample ID: Waste Rock 2

Report Date: 08/10/12
Collection Date: 06/04/12 09:30
DateReceived: 06/05/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Thallium	0.9	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Tin	0.5	mg/kg-dry	B	0.5		SW6020	06/09/12 06:47 / cp
Titanium	26.9	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Uranium	117	mg/kg-dry		0.5		SW6020	06/09/12 06:47 / cp
Vanadium	6.8	mg/kg-dry	B	0.5		SW6020	06/09/12 06:47 / cp
Zinc	121	mg/kg-dry	D	3.7		SW6010B	06/27/12 22:36 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
B - The analyte was detected in the method blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros
Lab ID: C12060238-003
Client Sample ID: Waste Rock 3

Report Date: 08/10/12
Collection Date: 06/04/12 09:30
DateReceived: 06/05/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Filterable	No					SW1311	06/27/12 14:44 / dcj
Corrosivity - pH	7.34	s.u.		0.01		SW9045D	06/27/12 15:43 / dm
Moisture	ND	%		0.1		D2974	06/27/12 13:36 / dm
ACID-BASE POTENTIAL							
Neutralization Potential	6	t/kt		0.1		Sobek Modifie	06/13/12 15:30 / eli-b
Acid Potential	25	t/kt		1		Sobek Modifie	06/13/12 15:30 / eli-b
Acid/Base Potential	-19	t/kt				Sobek Modifie	06/13/12 15:30 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	0.81	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, Hot Water Extractable	0.01	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, HCl Extractable	0.03	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, HNO3 Extractable	0.66	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, Residual	0.11	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	79	mg/kg-dry	D	25		E353.2	07/02/12 16:27 / lr
NUTRIENTS - SPLP EXTRACTABLE							
Nitrogen, Nitrate+Nitrite as N	12	mg/L	DB	1		E353.2	07/03/12 16:54 / ljl
METALS - SPLP EXTRACTABLE							
Antimony	3	ug/L		1		SW6020	07/05/12 14:43 / cp
Arsenic	150	ug/L		1		SW6020	07/05/12 14:43 / cp
Barium	ND	ug/L		50		SW6020	07/05/12 14:43 / cp
Beryllium	3	ug/L		1		SW6020	07/05/12 14:43 / cp
Cadmium	ND	ug/L		1		SW6020	07/05/12 14:43 / cp
Chromium	ND	ug/L		5		SW6020	07/05/12 14:43 / cp
Copper	180	ug/L	B	5		SW6020	07/05/12 14:43 / cp
Lead	16	ug/L	B	1		SW6020	07/05/12 14:43 / cp
Manganese	220	ug/L		1		SW6020	07/05/12 14:43 / cp
Mercury	ND	ug/L		2.0		SW7470A	07/03/12 11:28 / jrm
Molybdenum	4	ug/L		1		SW6020	07/05/12 14:43 / cp
Nickel	180	ug/L		5		SW6020	07/05/12 14:43 / cp
Selenium	1	ug/L		1		SW6020	07/05/12 14:43 / cp
Silver	ND	ug/L		1		SW6020	07/05/12 14:43 / cp
Thallium	1.2	ug/L		0.5		SW6020	07/05/12 14:43 / cp
Uranium	250	ug/L		0.3		SW6020	07/05/12 14:43 / cp
Vanadium	ND	ug/L		10		SW6020	07/05/12 14:43 / cp
Zinc	120	ug/L	B	10		SW6020	07/05/12 14:43 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
B - The analyte was detected in the method blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros
Lab ID: C12060238-003
Client Sample ID: Waste Rock 3

Report Date: 08/10/12
Collection Date: 06/04/12 09:30
DateReceived: 06/05/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Antimony	ND	mg/kg-dry		0.5		SW6020	07/03/12 05:11 / cp
Arsenic	49.3	mg/kg-dry		0.5		SW6020	07/03/12 05:11 / cp
Barium	150	mg/kg-dry	D	1.4		SW6010B	06/28/12 14:13 / sf
Beryllium	0.5	mg/kg-dry		0.5		SW6010B	06/28/12 14:13 / sf
Cadmium	ND	mg/kg-dry		0.5		SW6020	07/03/12 05:11 / cp
Chromium	7.8	mg/kg-dry		0.5		SW6020	07/03/12 05:11 / cp
Copper	568	mg/kg-dry	D	1.6		SW6010B	06/28/12 14:13 / sf
Lead	54.9	mg/kg-dry		0.5		SW6020	07/03/12 05:11 / cp
Manganese	48.6	mg/kg-dry		0.5		SW6010B	06/28/12 14:13 / sf
Mercury	ND	mg/kg-dry		0.05		SW7471A	06/29/12 11:34 / jrm
Molybdenum	3.8	mg/kg-dry		0.5		SW6020	07/03/12 05:11 / cp
Nickel	33.3	mg/kg-dry		0.5		SW6010B	06/28/12 14:13 / sf
Selenium	ND	mg/kg-dry		0.5		SW6020	07/03/12 05:11 / cp
Silver	ND	mg/kg-dry		0.5		SW6020	07/03/12 05:11 / cp
Thallium	1.3	mg/kg-dry		0.5		SW6020	07/03/12 05:11 / cp
Uranium	ND	mg/kg-dry	D	172		SW6010B	06/28/12 14:13 / sf
Vanadium	12.3	mg/kg-dry		0.5		SW6020	07/03/12 05:11 / cp
Zinc	95.1	mg/kg-dry	D	3.7		SW6010B	06/28/12 14:13 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros
Lab ID: C12060238-004
Client Sample ID: Ore 1

Report Date: 08/10/12
Collection Date: 06/04/12 11:45
DateReceived: 06/05/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Corrosivity - pH	6.54	s.u.		0.01		SW9045D	06/07/12 11:19 / jes
Moisture	0.2	%		0.1		D2974	06/11/12 16:05 / jes
ACID-BASE POTENTIAL							
Neutralization Potential	5	t/kt		0.1		Sobek Modifie	06/13/12 15:30 / eli-b
Acid Potential	26	t/kt		1		Sobek Modifie	06/13/12 15:30 / eli-b
Acid/Base Potential	-21	t/kt				Sobek Modifie	06/13/12 15:30 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	1.0	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, Hot Water Extractable	0.19	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, HCl Extractable	ND	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, HNO3 Extractable	0.62	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, Residual	0.22	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
MAJOR IONS - MWMP EXTRACTABLE							
Calcium	108	mg/L		1		E200.7	06/27/12 14:34 / sf
Chloride	92	mg/L	D	2		E300.0	06/30/12 17:55 / wc
Fluoride	1.3	mg/L		0.1		A4500-F C	06/21/12 13:20 / jba
Magnesium	30	mg/L		1		E200.7	06/27/12 14:34 / sf
Nitrogen, Ammonia as N	18.3	mg/L	D	0.5		A4500-NH3 G	06/28/12 17:02 / lr
Nitrogen, Nitrate as N	60.4	mg/L	D	0.1		E353.2	07/01/12 16:26 / sec
Nitrogen, Nitrate+Nitrite as N	60.4	mg/L		0.05		E353.2	06/28/12 12:34 / lr
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO2 B	06/21/12 11:51 / wc
Sulfate	765	mg/L	D	8		E300.0	06/30/12 17:55 / wc
PHYSICAL PROPERTIES - MWMP EXTRACTABLE							
Conductivity @ 25 C	2660	umhos/cm		1		A2510 B	06/27/12 09:46 / ab
Hardness as CaCO3	391	mg/L		1		A2340 B	06/28/12 11:00 / kbh
pH	7.85	s.u.	H	0.01		A4500-H B	06/27/12 09:46 / ab
Solids, Total Dissolved TDS @ 180 C	1810	mg/L		10		A2540 C	06/27/12 15:59 / ab
METALS - MWMP EXTRACTABLE							
Aluminum	ND	ug/L		100		E200.7	06/27/12 14:34 / sf
Antimony	52	ug/L		1		E200.7	06/27/12 14:34 / sf
Arsenic	79	ug/L		1		E200.8	06/27/12 20:21 / cp
Barium	72	ug/L		1		E200.7	06/27/12 14:34 / sf
Beryllium	ND	ug/L		1		E200.7	06/27/12 14:34 / sf
Boron	255	ug/L		100		E200.7	06/27/12 14:34 / sf
Cadmium	4	ug/L		1		E200.7	06/27/12 14:34 / sf
Chromium	ND	ug/L		1		E200.7	06/27/12 14:34 / sf
Cobalt	5000	ug/L		1		E200.7	06/27/12 14:34 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros
Lab ID: C12060238-004
Client Sample ID: Ore 1

Report Date: 08/10/12
Collection Date: 06/04/12 11:45
DateReceived: 06/05/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - MWMP EXTRACTABLE							
Copper	23	ug/L		1		E200.7	06/27/12 14:34 / sf
Iron	ND	ug/L		30		E200.7	06/27/12 14:34 / sf
Lead	ND	ug/L		1		E200.7	06/27/12 14:34 / sf
Lithium	278	ug/L		100		E200.7	06/27/12 14:34 / sf
Manganese	1120	ug/L		1		E200.7	06/27/12 14:34 / sf
Mercury	ND	ug/L		1		E245.1	06/27/12 13:53 / jrm
Molybdenum	3020	ug/L		1		E200.7	06/27/12 14:34 / sf
Nickel	2580	ug/L		1		E200.7	06/27/12 14:34 / sf
Selenium	11	ug/L		1		E200.8	06/27/12 20:21 / cp
Silver	ND	ug/L		1		E200.7	06/27/12 14:34 / sf
Thallium	ND	ug/L		1		E200.7	06/27/12 14:34 / sf
Uranium	38000	ug/L		1		E200.7	06/27/12 14:34 / sf
Vanadium	ND	ug/L		1		E200.7	06/27/12 14:34 / sf
Zinc	412	ug/L		1		E200.7	06/27/12 14:34 / sf
METALS - MWMP EXTRACTABLE TOTAL RECOVERABLE							
Aluminum	ND	ug/L		100		E200.7	06/22/12 12:44 / sf
Iron	44	ug/L		30		E200.7	06/22/12 12:44 / sf
Mercury	ND	ug/L		0.2		E245.1	06/27/12 14:03 / jrm
METALS - TOTAL							
Aluminum	1680	mg/kg-dry	D	5.4		SW6020	06/09/12 06:56 / cp
Antimony	ND	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Arsenic	75.2	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Barium	75.0	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Beryllium	ND	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Boron	ND	mg/kg-dry		5.0		SW6020	06/09/12 06:56 / cp
Cadmium	1.4	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Calcium	1100	mg/kg-dry	D	27.7		SW6020	06/09/12 06:56 / cp
Chromium	2.9	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Cobalt	40.3	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Copper	1800	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Iron	12400	mg/kg-dry	D	0.9		SW6020	06/09/12 06:56 / cp
Lead	56.8	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Lithium	ND	mg/kg-dry		10.0		SW6010B	06/27/12 22:40 / sf
Magnesium	725	mg/kg-dry		5.0		SW6020	06/09/12 06:56 / cp
Manganese	25.7	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Mercury	ND	mg/kg-dry		0.05		SW7471A	06/15/12 14:15 / jrm
Molybdenum	12.1	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Nickel	30.6	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Phosphorus	83.2	mg/kg-dry		10.0		SW6020	06/09/12 06:56 / cp
Potassium	351	mg/kg-dry		5.0		SW6020	06/09/12 06:56 / cp
Selenium	ND	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros
Lab ID: C12060238-004
Client Sample ID: Ore 1

Report Date: 08/10/12
Collection Date: 06/04/12 11:45
DateReceived: 06/05/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Silica	1760	mg/kg-dry	D	31.0		SW6010B	06/27/12 22:40 / sf
Silver	ND	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Sodium	257	mg/kg-dry	D	12.2		SW6020	06/09/12 06:56 / cp
Strontium	15.2	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Thallium	1.2	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Tin	0.8	mg/kg-dry	B	0.5		SW6020	06/09/12 06:56 / cp
Titanium	30.6	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Uranium	450	mg/kg-dry		0.5		SW6020	06/09/12 06:56 / cp
Vanadium	6.1	mg/kg-dry	B	0.5		SW6020	06/09/12 06:56 / cp
Zinc	640	mg/kg-dry	D	3.7		SW6010B	06/27/12 22:40 / sf
RADIONUCLIDES - MWMP EXTRACTABLE							
Gross Alpha	34000	pCi/L				E900.0	07/04/12 18:50 / lbb
Gross Alpha precision (±)	147	pCi/L				E900.0	07/04/12 18:50 / lbb
Gross Alpha MDC	13.3	pCi/L				E900.0	07/04/12 18:50 / lbb
Gross Beta	5720	pCi/L				E900.0	07/04/12 18:50 / lbb
Gross Beta precision (±)	64.6	pCi/L				E900.0	07/04/12 18:50 / lbb
Gross Beta MDC	18.4	pCi/L				E900.0	07/04/12 18:50 / lbb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - The analyte was detected in the method blank.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros
Lab ID: C12060238-005
Client Sample ID: Ore 2

Report Date: 08/10/12
Collection Date: 06/04/12 11:45
DateReceived: 06/05/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Corrosivity - pH	7.47	s.u.		0.01		SW9045D	06/07/12 11:19 / jes
Moisture	0.2	%		0.1		D2974	06/11/12 16:06 / jes
ACID-BASE POTENTIAL							
Neutralization Potential	8	t/kt		0.1		Sobek Modifie	06/13/12 15:30 / eli-b
Acid Potential	22	t/kt		1		Sobek Modifie	06/13/12 15:30 / eli-b
Acid/Base Potential	-13	t/kt				Sobek Modifie	06/13/12 15:30 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	0.77	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, Hot Water Extractable	0.08	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, HCl Extractable	0.04	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, HNO3 Extractable	0.50	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, Residual	0.16	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
MAJOR IONS - MWMP EXTRACTABLE							
Calcium	66	mg/L		1		E200.7	06/27/12 14:58 / sf
Chloride	90	mg/L	D	2		E300.0	06/30/12 18:11 / wc
Fluoride	1.5	mg/L		0.1		A4500-F C	06/21/12 13:26 / jba
Magnesium	23	mg/L		1		E200.7	06/27/12 14:58 / sf
Nitrogen, Ammonia as N	15.2	mg/L	D	0.5		A4500-NH3 G	06/28/12 17:04 / lr
Nitrogen, Nitrate as N	77.7	mg/L	D	0.1		E353.2	07/04/12 17:21 / sec
Nitrogen, Nitrate+Nitrite as N	77.7	mg/L		0.05		E353.2	07/02/12 15:57 / lr
Nitrogen, Nitrite as N	ND	mg/L		0.1		A4500-NO2 B	06/21/12 11:51 / wc
Sulfate	635	mg/L	D	8		E300.0	06/30/12 18:11 / wc
PHYSICAL PROPERTIES - MWMP EXTRACTABLE							
Conductivity @ 25 C	2540	umhos/cm		1		A2510 B	06/27/12 09:50 / ab
Hardness as CaCO3	260	mg/L		1		A2340 B	06/28/12 11:00 / kbh
pH	8.00	s.u.	H	0.01		A4500-H B	06/27/12 09:50 / ab
Solids, Total Dissolved TDS @ 180 C	1680	mg/L		10		A2540 C	06/27/12 16:00 / ab
METALS - MWMP EXTRACTABLE							
Aluminum	550	ug/L		100		E200.7	06/27/12 14:58 / sf
Antimony	75	ug/L		1		E200.7	06/27/12 14:58 / sf
Arsenic	124	ug/L		1		E200.8	06/27/12 20:25 / cp
Barium	84	ug/L		1		E200.7	06/27/12 14:58 / sf
Beryllium	ND	ug/L		1		E200.7	06/27/12 14:58 / sf
Boron	299	ug/L		100		E200.7	06/27/12 14:58 / sf
Cadmium	2	ug/L		1		E200.7	06/27/12 14:58 / sf
Chromium	ND	ug/L		1		E200.7	06/27/12 14:58 / sf
Cobalt	1730	ug/L		1		E200.7	06/27/12 14:58 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros
Lab ID: C12060238-005
Client Sample ID: Ore 2

Report Date: 08/10/12
Collection Date: 06/04/12 11:45
DateReceived: 06/05/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - MWMP EXTRACTABLE							
Copper	11	ug/L		1		E200.7	06/27/12 14:58 / sf
Iron	183	ug/L		30		E200.7	06/27/12 14:58 / sf
Lead	ND	ug/L		1		E200.7	06/27/12 14:58 / sf
Lithium	238	ug/L		100		E200.7	06/27/12 14:58 / sf
Manganese	482	ug/L		1		E200.7	06/27/12 14:58 / sf
Mercury	ND	ug/L		1		E245.1	06/27/12 13:55 / jrm
Molybdenum	4050	ug/L		1		E200.7	06/27/12 14:58 / sf
Nickel	1030	ug/L		1		E200.7	06/27/12 14:58 / sf
Selenium	9	ug/L		1		E200.8	06/27/12 20:25 / cp
Silver	ND	ug/L		1		E200.7	06/27/12 14:58 / sf
Thallium	ND	ug/L		1		E200.7	06/27/12 14:58 / sf
Uranium	34500	ug/L		1		E200.7	06/27/12 14:58 / sf
Vanadium	ND	ug/L		1		E200.7	06/27/12 14:58 / sf
Zinc	62	ug/L		1		E200.7	06/27/12 14:58 / sf
METALS - MWMP EXTRACTABLE TOTAL RECOVERABLE							
Aluminum	406	ug/L		100		E200.7	06/25/12 13:19 / sf
Iron	207	ug/L		30		E200.7	06/25/12 13:19 / sf
Mercury	ND	ug/L		0.2		E245.1	06/27/12 14:07 / jrm
METALS - TOTAL							
Aluminum	1610	mg/kg-dry	D	5.4		SW6020	06/09/12 07:19 / cp
Antimony	0.6	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Arsenic	75.7	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Barium	72.7	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Beryllium	ND	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Boron	ND	mg/kg-dry		5.0		SW6020	06/09/12 07:19 / cp
Cadmium	0.7	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Calcium	753	mg/kg-dry	D	27.9		SW6020	06/09/12 07:19 / cp
Chromium	2.8	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Cobalt	42.4	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Copper	1690	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Iron	10200	mg/kg-dry	D	0.9		SW6020	06/09/12 07:19 / cp
Lead	49.8	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Lithium	ND	mg/kg-dry		10.0		SW6020	06/09/12 07:19 / cp
Magnesium	717	mg/kg-dry		5.0		SW6020	06/09/12 07:19 / cp
Manganese	22.0	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Mercury	ND	mg/kg-dry		0.05		SW7471A	06/15/12 14:16 / jrm
Molybdenum	14.6	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Nickel	31.5	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Phosphorus	85.2	mg/kg-dry		10.0		SW6020	06/09/12 07:19 / cp
Potassium	324	mg/kg-dry		5.0		SW6020	06/09/12 07:19 / cp
Selenium	ND	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros
Lab ID: C12060238-005
Client Sample ID: Ore 2

Report Date: 08/10/12
Collection Date: 06/04/12 11:45
DateReceived: 06/05/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Silica	1840	mg/kg-dry	D	31.2		SW6010B	06/27/12 22:44 / sf
Silver	ND	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Sodium	260	mg/kg-dry	D	12.3		SW6020	06/09/12 07:19 / cp
Strontium	16.0	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Thallium	1.0	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Tin	ND	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Titanium	25.9	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Uranium	451	mg/kg-dry		0.5		SW6020	06/09/12 07:19 / cp
Vanadium	5.5	mg/kg-dry	B	0.5		SW6020	06/09/12 07:19 / cp
Zinc	269	mg/kg-dry	D	3.7		SW6010B	06/27/12 22:44 / sf
RADIONUCLIDES - MWMP EXTRACTABLE							
Gross Alpha	32100	pCi/L				E900.0	07/04/12 18:50 / lbb
Gross Alpha precision (±)	103	pCi/L				E900.0	07/04/12 18:50 / lbb
Gross Alpha MDC	5.8	pCi/L				E900.0	07/04/12 18:50 / lbb
Gross Beta	6230	pCi/L				E900.0	07/04/12 18:50 / lbb
Gross Beta precision (±)	59.7	pCi/L				E900.0	07/04/12 18:50 / lbb
Gross Beta MDC	12.3	pCi/L				E900.0	07/04/12 18:50 / lbb

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - The analyte was detected in the method blank.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros
Lab ID: C12060238-006
Client Sample ID: Ore 3

Report Date: 08/10/12
Collection Date: 06/04/12 11:45
DateReceived: 06/05/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Corrosivity - pH	6.27	s.u.		0.01		SW9045D	06/07/12 11:19 / jes
Moisture	0.2	%		0.1		D2974	06/11/12 16:07 / jes
ACID-BASE POTENTIAL							
Neutralization Potential	9	t/kt		0.1		Sobek Modifie	06/13/12 15:30 / eli-b
Acid Potential	33	t/kt		1		Sobek Modifie	06/13/12 15:30 / eli-b
Acid/Base Potential	-23	t/kt				Sobek Modifie	06/13/12 15:30 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	1.2	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, Hot Water Extractable	0.10	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, HCl Extractable	ND	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, HNO3 Extractable	0.87	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
Sulfur, Residual	0.18	%		0.01		Sobek Modifie	06/13/12 15:30 / eli-b
MAJOR IONS - MWMP EXTRACTABLE							
Calcium	73	mg/L		1		E200.8	06/29/12 11:23 / cp
Chloride	97	mg/L	D	2		E300.0	06/30/12 18:26 / wc
Fluoride	1.6	mg/L		0.1		A4500-F C	06/28/12 13:41 / jba
Magnesium	27	mg/L		1		E200.8	06/29/12 11:23 / cp
Nitrogen, Ammonia as N	11.5	mg/L	D	0.5		A4500-NH3 G	06/28/12 17:06 / lr
Nitrogen, Nitrate as N	70.0	mg/L	D	0.1		E353.2	07/04/12 17:21 / sec
Nitrogen, Nitrate+Nitrite as N	70.0	mg/L		0.05		E353.2	07/02/12 15:59 / lr
Nitrogen, Nitrite as N	ND	mg/L	H	0.1		A4500-NO2 B	06/28/12 10:02 / wc
Sulfate	735	mg/L	D	8		E300.0	06/30/12 18:26 / wc
PHYSICAL PROPERTIES - MWMP EXTRACTABLE							
Conductivity @ 25 C	2650	umhos/cm		1		A2510 B	06/29/12 09:37 / ab
Hardness as CaCO3	293	mg/L		1		A2340 B	07/03/12 07:13 / kbh
pH	8.01	s.u.	H	0.01		A4500-H B	06/29/12 09:37 / ab
Solids, Total Dissolved TDS @ 180 C	1810	mg/L		10		A2540 C	06/29/12 10:12 / ab
METALS - MWMP EXTRACTABLE							
Aluminum	322	ug/L		100		E200.8	06/29/12 11:23 / cp
Antimony	77	ug/L		1		E200.8	06/29/12 11:23 / cp
Arsenic	118	ug/L		1		E200.8	06/29/12 11:23 / cp
Barium	79	ug/L		1		E200.8	06/29/12 11:23 / cp
Beryllium	ND	ug/L		1		E200.7	06/29/12 17:13 / sf
Boron	384	ug/L		100		E200.7	06/29/12 17:13 / sf
Cadmium	4	ug/L		1		E200.8	06/29/12 11:23 / cp
Chromium	ND	ug/L		1		E200.8	06/29/12 11:23 / cp
Cobalt	1970	ug/L		1		E200.8	06/29/12 11:23 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros
Lab ID: C12060238-006
Client Sample ID: Ore 3

Report Date: 08/10/12
Collection Date: 06/04/12 11:45
DateReceived: 06/05/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - MWMP EXTRACTABLE							
Copper	15	ug/L		1		E200.8	06/29/12 11:23 / cp
Iron	107	ug/L		30		E200.8	06/29/12 11:23 / cp
Lead	2	ug/L		1		E200.8	06/29/12 11:23 / cp
Lithium	282	ug/L		100		E200.7	06/29/12 17:13 / sf
Manganese	582	ug/L		1		E200.8	06/29/12 11:23 / cp
Mercury	ND	ug/L		1		E245.1	07/03/12 09:52 / jrm
Molybdenum	5260	ug/L		1		E200.8	06/29/12 11:23 / cp
Nickel	1110	ug/L		1		E200.8	06/29/12 11:23 / cp
Selenium	12	ug/L		1		E200.8	06/29/12 11:23 / cp
Silver	ND	ug/L		1		E200.8	06/29/12 11:23 / cp
Thallium	9	ug/L		1		E200.8	06/29/12 11:23 / cp
Uranium	22100	ug/L		1		E200.7	06/29/12 17:13 / sf
Vanadium	3	ug/L		1		E200.8	06/29/12 11:23 / cp
Zinc	61	ug/L		1		E200.8	06/29/12 11:23 / cp
METALS - MWMP EXTRACTABLE TOTAL RECOVERABLE							
Aluminum	205	ug/L		100		E200.7	06/29/12 17:29 / sf
Iron	76	ug/L		30		E200.7	06/29/12 17:29 / sf
Mercury	ND	ug/L		0.1	2	E245.1	07/03/12 09:59 / jrm
METALS - TOTAL							
Aluminum	1170	mg/kg-dry	D	5.4		SW6020	06/09/12 07:23 / cp
Antimony	ND	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Arsenic	78.5	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Barium	88.0	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Beryllium	ND	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Boron	ND	mg/kg-dry		5.0		SW6020	06/09/12 07:23 / cp
Cadmium	ND	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Calcium	577	mg/kg-dry	D	27.8		SW6020	06/09/12 07:23 / cp
Chromium	2.3	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Cobalt	46.5	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Copper	1070	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Iron	7400	mg/kg-dry	D	0.9		SW6020	06/09/12 07:23 / cp
Lead	113	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Lithium	ND	mg/kg-dry		10.0		SW6020	06/09/12 07:23 / cp
Magnesium	492	mg/kg-dry		5.0		SW6020	06/09/12 07:23 / cp
Manganese	14.4	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Mercury	ND	mg/kg-dry		0.05		SW7471A	06/15/12 14:17 / jrm
Molybdenum	8.7	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Nickel	29.6	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Phosphorus	57.7	mg/kg-dry		10.0		SW6020	06/09/12 07:23 / cp
Potassium	282	mg/kg-dry		5.0		SW6020	06/09/12 07:23 / cp
Selenium	ND	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros
Lab ID: C12060238-006
Client Sample ID: Ore 3

Report Date: 08/10/12
Collection Date: 06/04/12 11:45
DateReceived: 06/05/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Silica	1450	mg/kg-dry	D	31.1		SW6010B	06/27/12 22:48 / sf
Silver	ND	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Sodium	278	mg/kg-dry	D	12.3		SW6020	06/09/12 07:23 / cp
Strontium	15.0	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Thallium	0.9	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Tin	ND	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Titanium	18.7	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Uranium	463	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Vanadium	ND	mg/kg-dry		0.5		SW6020	06/09/12 07:23 / cp
Zinc	196	mg/kg-dry	D	3.7		SW6010B	06/27/12 22:48 / sf
RADIONUCLIDES - MWMP EXTRACTABLE							
Gross Alpha	20700	pCi/L				E900.0	07/06/12 17:54 / lbb
Gross Alpha precision (±)	93.9	pCi/L				E900.0	07/06/12 17:54 / lbb
Gross Alpha MDC	8.9	pCi/L				E900.0	07/06/12 17:54 / lbb
Gross Beta	1980	pCi/L				E900.0	07/06/12 17:54 / lbb
Gross Beta precision (±)	29.1	pCi/L				E900.0	07/06/12 17:54 / lbb
Gross Beta MDC	9.4	pCi/L				E900.0	07/06/12 17:54 / lbb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B										Batch: R161217
Sample ID: SC 2ND 1413		Laboratory Control Sample				Run: PHSC_101-C_120627A				06/27/12 09:09
Conductivity @ 25 C		1450	umhos/cm	1.0	103	90	110			
Sample ID: MBLK		Method Blank				Run: PHSC_101-C_120627A				06/27/12 09:14
Conductivity @ 25 C		2	umhos/cm	0.2						
Sample ID: C12061076-002ADUP		Sample Duplicate				Run: PHSC_101-C_120627A				06/27/12 09:41
Conductivity @ 25 C		516	umhos/cm	1.0				0.5	10	
Method: A2510 B										Batch: R161335
Sample ID: SC 2ND 1413		Laboratory Control Sample				Run: PHSC_101-C_120629A				06/29/12 09:08
Conductivity @ 25 C		1440	umhos/cm	1.0	102	90	110			
Sample ID: MBLK		Method Blank				Run: PHSC_101-C_120629A				06/29/12 09:13
Conductivity @ 25 C		2	umhos/cm	0.2						
Sample ID: C12060238-006CDUP		Sample Duplicate				Run: PHSC_101-C_120629A				06/29/12 09:40
Conductivity @ 25 C		2640	umhos/cm	1.0				0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros

Report Date: 08/10/12
Work Order: C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C									Batch: TDS120627A	
Sample ID: MB-1_120627A		Method Blank				Run: BAL-1_120627A			06/27/12 15:58	
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	4						
Sample ID: LCS-2_120627A		Laboratory Control Sample				Run: BAL-1_120627A			06/27/12 15:59	
Solids, Total Dissolved TDS @ 180 C		1160	mg/L	10	105	90	110			
Sample ID: C12060238-004C DUP		Sample Duplicate				Run: BAL-1_120627A			06/27/12 15:59	
Solids, Total Dissolved TDS @ 180 C		1840	mg/L	10				2.0	5	
Sample ID: C12060238-005C MS		Sample Matrix Spike				Run: BAL-1_120627A			06/27/12 16:00	
Solids, Total Dissolved TDS @ 180 C		3710	mg/L	10	102	90	110			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C										Batch: R161032
Sample ID: MBLK		Method Blank				Run: MANTECH_120621A				06/21/12 08:57
Fluoride		ND	mg/L	0.01						
Sample ID: LCS-6892		Laboratory Control Sample				Run: MANTECH_120621A				06/21/12 09:00
Fluoride		2.00	mg/L	0.10	100	90	110			
Sample ID: C12060855-002AMS		Sample Matrix Spike				Run: MANTECH_120621A				06/21/12 13:09
Fluoride		2.04	mg/L	0.10	94	80	120			
Sample ID: C12060855-002AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_120621A				06/21/12 13:16
Fluoride		2.00	mg/L	0.10	92	80	120	2.0	10	
Method: A4500-F C										Batch: R161321
Sample ID: MBLK		Method Blank				Run: MANTECH_120628A				06/28/12 10:34
Fluoride		ND	mg/L	0.01						
Sample ID: LCS-6892		Laboratory Control Sample				Run: MANTECH_120628A				06/28/12 10:39
Fluoride		2.04	mg/L	0.10	102	90	110			
Sample ID: C12061149-003AMS		Sample Matrix Spike				Run: MANTECH_120628A				06/28/12 13:33
Fluoride		2.16	mg/L	0.10	99	80	120			
Sample ID: C12061149-003AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_120628A				06/28/12 13:38
Fluoride		2.16	mg/L	0.10	99	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B								Analytical Run: PHSC_101-C_120627A		
Sample ID: pH 6.86		Initial Calibration Verification Standard							06/27/12 08:55	
pH		6.85	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: R161217	
Sample ID: C12061076-002ADUP		Sample Duplicate				Run: PHSC_101-C_120627A			06/27/12 09:41	
pH		9.81	s.u.	0.010				0.0	3	
Method: A4500-H B								Analytical Run: PHSC_101-C_120629A		
Sample ID: pH 6.86		Initial Calibration Verification Standard							06/29/12 08:54	
pH		6.85	s.u.	0.010	100	98	102			
Sample ID: pH 6.86		Initial Calibration Verification Standard							06/29/12 13:47	
pH		6.85	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: R161335	
Sample ID: C12060238-006CDUP		Sample Duplicate				Run: PHSC_101-C_120629A			06/29/12 09:40	
pH		8.00	s.u.	0.010				0.1	3	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G										Batch: R161323
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_120628B				06/28/12 15:40
Nitrogen, Ammonia as N		ND	mg/L	0.02						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_120628B				06/28/12 15:42
Nitrogen, Ammonia as N		2.12	mg/L	0.050	106	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_120628B				06/28/12 15:44
Nitrogen, Ammonia as N		1.78	mg/L	0.050	91	80	120			
Sample ID: C12060887-003BMS		Sample Matrix Spike				Run: TECHNICON_120628B				06/28/12 16:54
Nitrogen, Ammonia as N		1.89	mg/L	0.050	96	90	110			
Sample ID: C12060887-003BMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_120628B				06/28/12 16:56
Nitrogen, Ammonia as N		1.91	mg/L	0.050	97	90	110	1.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NO2 B									Batch: A2012-06-21_6_NO2_01	
Sample ID: MBLK-1		Method Blank				Run: HACH DR3000-2_120621A			06/21/12 11:49	
Nitrogen, Nitrite as N		ND	mg/L	0.002						
Sample ID: LCS-2		Laboratory Control Sample				Run: HACH DR3000-2_120621A			06/21/12 11:49	
Nitrogen, Nitrite as N		1.02	mg/L	0.20	102	90	110			
Sample ID: C12060238-005CMS		Sample Matrix Spike				Run: HACH DR3000-2_120621A			06/21/12 11:51	
Nitrogen, Nitrite as N		0.0753	mg/L	0.10	101	90	110			
Sample ID: C12060238-005CMSD		Sample Matrix Spike Duplicate				Run: HACH DR3000-2_120621A			06/21/12 11:51	
Nitrogen, Nitrite as N		0.0753	mg/L	0.10	101	90	110		10	
Method: A4500-NO2 B									Batch: A2012-06-28_6_NO2_01	
Sample ID: MBLK-1		Method Blank				Run: HACH DR3000-2_120628B			06/28/12 10:00	
Nitrogen, Nitrite as N		ND	mg/L	0.002						
Sample ID: LCS-3		Laboratory Control Sample				Run: HACH DR3000-2_120628B			06/28/12 10:02	
Nitrogen, Nitrite as N		0.997	mg/L	0.20	100	90	110			
Sample ID: C12060238-006CMS		Sample Matrix Spike				Run: HACH DR3000-2_120628B			06/28/12 10:03	
Nitrogen, Nitrite as N		0.0650	mg/L	0.10	95	90	110			
Sample ID: C12060238-006CMSD		Sample Matrix Spike Duplicate				Run: HACH DR3000-2_120628B			06/28/12 10:03	
Nitrogen, Nitrite as N		0.0650	mg/L	0.10	95	90	110		10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP2-C_120622A	
Sample ID: ICV	2	Initial Calibration Verification Standard							06/22/12 11:09	
Aluminum		5.11	mg/L	0.10	102	95	105			
Iron		5.06	mg/L	0.030	101	95	105			
Sample ID: ICSA	2	Interference Check Sample A							06/22/12 11:54	
Aluminum		537	mg/L	0.10	107	80	120			
Iron		187	mg/L	0.030	93	80	120			
Sample ID: ICSAB	2	Interference Check Sample AB							06/22/12 11:58	
Aluminum		548	mg/L	0.10	110	80	120			
Iron		188	mg/L	0.030	94	80	120			
Method: E200.7									Batch: 34067	
Sample ID: MB-34067	2	Method Blank				Run: ICP2-C_120622A			06/22/12 12:31	
Aluminum		ND	mg/L	0.009						
Iron		ND	mg/L	0.005						
Sample ID: LCS3-34067	2	Laboratory Control Sample				Run: ICP2-C_120622A			06/22/12 12:35	
Aluminum		2.41	mg/L	0.030	96	85	115			
Iron		2.54	mg/L	0.030	102	85	115			
Sample ID: C12060238-004CMS3	2	Sample Matrix Spike				Run: ICP2-C_120622A			06/22/12 12:48	
Aluminum		2.50	mg/L	0.030	98	70	130			
Iron		2.56	mg/L	0.030	101	70	130			
Sample ID: C12060238-004CMSD	2	Sample Matrix Spike Duplicate				Run: ICP2-C_120622A			06/22/12 12:52	
Aluminum		2.45	mg/L	0.030	96	70	130	2.3	20	
Iron		2.54	mg/L	0.030	100	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP2-C_120625A	
Sample ID: ICV	2	Initial Calibration Verification Standard							06/25/12 11:00	
Aluminum		4.76	mg/L	0.10	95	95	105			
Iron		5.01	mg/L	0.030	100	95	105			
Sample ID: ICSA	2	Interference Check Sample A							06/25/12 11:42	
Aluminum		531	mg/L	0.10	106	80	120			
Iron		185	mg/L	0.030	93	80	120			
Sample ID: ICSAB	2	Interference Check Sample AB							06/25/12 11:46	
Aluminum		533	mg/L	0.10	107	80	120			
Iron		188	mg/L	0.030	94	80	120			
Method: E200.7									Batch: 34067	
Sample ID: MB-34067	2	Method Blank				Run: ICP2-C_120625A			06/25/12 13:07	
Aluminum		ND	mg/L	0.009						
Iron		ND	mg/L	0.005						
Sample ID: LCS3-34067	2	Laboratory Control Sample				Run: ICP2-C_120625A			06/25/12 13:11	
Aluminum		2.46	mg/L	0.030	98	85	115			
Iron		2.54	mg/L	0.030	101	85	115			
Sample ID: C12060238-005CMS3	2	Sample Matrix Spike				Run: ICP2-C_120625A			06/25/12 13:23	
Aluminum		3.03	mg/L	0.030	105	70	130			
Iron		2.73	mg/L	0.030	101	70	130			
Sample ID: C12060238-005CMSD	2	Sample Matrix Spike Duplicate				Run: ICP2-C_120625A			06/25/12 13:27	
Aluminum		2.99	mg/L	0.030	103	70	130	1.3	20	
Iron		2.70	mg/L	0.030	100	70	130	1.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP2-C_120627A	
Sample ID: ICV	22	Initial Calibration Verification Standard							06/27/12 11:59	
Aluminum		4.99	mg/L	0.10	100	95	105			
Antimony		0.985	mg/L	0.10	99	95	105			
Barium		1.00	mg/L	0.10	100	95	105			
Beryllium		0.511	mg/L	0.010	102	95	105			
Boron		1.03	mg/L	0.10	103	95	105			
Cadmium		0.492	mg/L	0.010	98	95	105			
Calcium		49.2	mg/L	0.50	98	95	105			
Chromium		0.988	mg/L	0.050	99	95	105			
Cobalt		0.999	mg/L	0.010	100	95	105			
Copper		1.00	mg/L	0.010	100	95	105			
Iron		4.98	mg/L	0.030	100	95	105			
Lead		0.977	mg/L	0.050	98	95	105			
Lithium		1.02	mg/L	0.10	102	95	105			
Magnesium		50.0	mg/L	0.50	100	95	105			
Manganese		5.26	mg/L	0.010	105	95	105			
Molybdenum		1.01	mg/L	0.10	101	95	105			
Nickel		0.989	mg/L	0.050	99	95	105			
Silver		0.504	mg/L	0.010	101	95	105			
Thallium		0.980	mg/L	0.10	98	95	105			
Uranium		5.04	mg/L	1.0	101	95	105			
Vanadium		0.981	mg/L	0.10	98	95	105			
Zinc		0.995	mg/L	0.010	100	95	105			
Sample ID: ICSA	22	Interference Check Sample A							06/27/12 12:41	
Aluminum		545	mg/L	0.10	109	80	120			
Antimony		-0.0128	mg/L	0.10						
Barium		0.00240	mg/L	0.10						
Beryllium		0.000300	mg/L	0.010						
Boron		-0.0605	mg/L	0.10						
Cadmium		0.00590	mg/L	0.010						
Calcium		508	mg/L	0.50	102	80	120			
Chromium		0.00770	mg/L	0.050						
Cobalt		-0.00430	mg/L	0.010						
Copper		0.00580	mg/L	0.010						
Iron		188	mg/L	0.030	94	80	120			
Lead		-0.0235	mg/L	0.050						
Lithium		0.00380	mg/L	0.10						
Magnesium		537	mg/L	0.50	107	80	120			
Manganese		-0.00350	mg/L	0.010						
Molybdenum		-0.0161	mg/L	0.10						
Nickel		-0.00130	mg/L	0.050						
Silver		0.00330	mg/L	0.010						
Thallium		0.00310	mg/L	0.10						
Uranium		0.0270	mg/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP2-C_120627A	
Sample ID: ICSA	22	Interference Check Sample A							06/27/12 12:41	
Vanadium		0.00790	mg/L	0.10						
Zinc		-0.00550	mg/L	0.010						
Sample ID: ICSAB	22	Interference Check Sample AB							06/27/12 12:45	
Aluminum		540	mg/L	0.10	108	80	120			
Antimony		-0.0135	mg/L	0.10						
Barium		0.538	mg/L	0.10	108	80	120			
Beryllium		0.511	mg/L	0.010	102	80	120			
Boron		-0.0583	mg/L	0.10						
Cadmium		0.994	mg/L	0.010	99	80	120			
Calcium		501	mg/L	0.50	100	80	120			
Chromium		0.512	mg/L	0.050	102	80	120			
Cobalt		0.500	mg/L	0.010	100	80	120			
Copper		0.548	mg/L	0.010	110	80	120			
Iron		187	mg/L	0.030	94	80	120			
Lead		0.957	mg/L	0.050	96	80	120			
Lithium		0.00380	mg/L	0.10						
Magnesium		547	mg/L	0.50	109	80	120			
Manganese		0.536	mg/L	0.010	107	80	120			
Molybdenum		-0.0196	mg/L	0.10						
Nickel		0.965	mg/L	0.050	96	80	120			
Silver		1.13	mg/L	0.010	113	80	120			
Thallium		0.00600	mg/L	0.10						
Uranium		0.0180	mg/L	1.0						
Vanadium		0.513	mg/L	0.10	103	80	120			
Zinc		1.02	mg/L	0.010	102	80	120			
Method: E200.7									Batch: R161266	
Sample ID: MB-120627A	22	Method Blank				Run: ICP2-C_120627A			06/27/12 13:05	
Aluminum		ND	mg/L	0.01						
Antimony		ND	mg/L	0.009						
Barium		0.003	mg/L	0.0005						
Beryllium		ND	mg/L	0.0002						
Boron		0.03	mg/L	0.02						
Cadmium		ND	mg/L	0.0006						
Calcium		ND	mg/L	0.06						
Chromium		ND	mg/L	0.001						
Cobalt		ND	mg/L	0.001						
Copper		ND	mg/L	0.002						
Iron		0.002	mg/L	0.001						
Lead		ND	mg/L	0.005						
Lithium		0.0003	mg/L	0.0002						
Magnesium		ND	mg/L	0.03						
Manganese		ND	mg/L	0.0002						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R161266
Sample ID: MB-120627A	22	Method Blank				Run: ICP2-C_120627A				06/27/12 13:05
Molybdenum		0.005	mg/L	0.004						
Nickel		ND	mg/L	0.002						
Silver		ND	mg/L	0.006						
Thallium		ND	mg/L	0.008						
Uranium		ND	mg/L	0.3						
Vanadium		ND	mg/L	0.009						
Zinc		ND	mg/L	0.002						
Sample ID: LFB-120627A	22	Laboratory Fortified Blank				Run: ICP2-C_120627A				06/27/12 13:09
Aluminum		0.933	mg/L	0.10	93	85	115			
Antimony		0.935	mg/L	0.10	94	85	115			
Barium		0.965	mg/L	0.10	96	85	115			
Beryllium		0.960	mg/L	0.010	96	85	115			
Boron		0.987	mg/L	0.10	96	85	115			
Cadmium		0.977	mg/L	0.010	98	85	115			
Calcium		48.0	mg/L	0.50	96	85	115			
Chromium		0.968	mg/L	0.050	97	85	115			
Cobalt		0.966	mg/L	0.010	97	85	115			
Copper		0.961	mg/L	0.010	96	85	115			
Iron		0.953	mg/L	0.030	95	85	115			
Lead		0.936	mg/L	0.050	94	85	115			
Lithium		0.981	mg/L	0.10	98	85	115			
Magnesium		48.2	mg/L	0.50	96	85	115			
Manganese		0.996	mg/L	0.010	100	85	115			
Molybdenum		0.957	mg/L	0.10	95	85	115			
Nickel		0.947	mg/L	0.050	95	85	115			
Silver		0.982	mg/L	0.010	98	85	115			
Thallium		0.929	mg/L	0.10	93	85	115			
Uranium		4.73	mg/L	1.0	95	85	115			
Vanadium		0.945	mg/L	0.10	95	85	115			
Zinc		0.964	mg/L	0.010	96	85	115			
Sample ID: C12060238-004CMS2	22	Sample Matrix Spike				Run: ICP2-C_120627A				06/27/12 14:38
Aluminum		0.988	mg/L	0.030	91	70	130			
Antimony		0.972	mg/L	0.0094	90	70	130			
Barium		1.01	mg/L	0.050	92	70	130			
Beryllium		0.933	mg/L	0.0010	92	70	130			
Boron		1.21	mg/L	0.050	94	70	130			
Cadmium		0.948	mg/L	0.0010	93	70	130			
Calcium		149	mg/L	1.0	81	70	130			
Chromium		0.946	mg/L	0.0050	93	70	130			
Cobalt		5.83	mg/L	0.0050		70	130			A
Copper		0.980	mg/L	0.0050	94	70	130			
Iron		0.951	mg/L	0.030	90	70	130			
Lead		0.834	mg/L	0.0053	82	70	130			

Qualifiers:

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MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R161266	
Sample ID: C12060238-004CMS2	22	Sample Matrix Spike				Run: ICP2-C_120627A			06/27/12 14:38	
Lithium		1.18	mg/L	0.10	88	70	130			
Magnesium		75.8	mg/L	1.0	91	70	130			
Manganese		2.06	mg/L	0.0010	92	70	130			
Molybdenum		3.99	mg/L	0.0036	95	70	130			
Nickel		3.45	mg/L	0.0050	86	70	130			
Silver		0.887	mg/L	0.0019	87	70	130			
Thallium		0.859	mg/L	0.0086	84	70	130			
Uranium		42.6	mg/L	0.26		70	130			A
Vanadium		0.937	mg/L	0.010	92	70	130			
Zinc		1.36	mg/L	0.010	93	70	130			
Sample ID: C12060238-004CMSD	22	Sample Matrix Spike Duplicate				Run: ICP2-C_120627A			06/27/12 14:54	
Aluminum		1.00	mg/L	0.030	92	70	130	1.2	20	
Antimony		0.973	mg/L	0.0094	90	70	130	0.1	20	
Barium		0.997	mg/L	0.050	91	70	130	1.2	20	
Beryllium		0.934	mg/L	0.0010	92	70	130	0.1	20	
Boron		1.20	mg/L	0.050	93	70	130	0.5	20	
Cadmium		0.939	mg/L	0.0010	92	70	130	0.9	20	
Calcium		151	mg/L	1.0	84	70	130	1.2	20	
Chromium		0.933	mg/L	0.0050	92	70	130	1.3	20	
Cobalt		5.77	mg/L	0.0050		70	130	1.1	20	A
Copper		0.985	mg/L	0.0050	94	70	130	0.5	20	
Iron		0.945	mg/L	0.030	90	70	130	0.6	20	
Lead		0.826	mg/L	0.0053	81	70	130	1.0	20	
Lithium		1.17	mg/L	0.10	87	70	130	1.0	20	
Magnesium		75.5	mg/L	1.0	90	70	130	0.4	20	
Manganese		2.07	mg/L	0.0010	93	70	130	0.2	20	
Molybdenum		3.90	mg/L	0.0036	86	70	130	2.4	20	
Nickel		3.43	mg/L	0.0050	84	70	130	0.7	20	
Silver		0.883	mg/L	0.0019	87	70	130	0.5	20	
Thallium		0.870	mg/L	0.0086	85	70	130	1.3	20	
Uranium		41.6	mg/L	0.26		70	130	2.3	20	A
Vanadium		0.931	mg/L	0.010	91	70	130	0.7	20	
Zinc		1.35	mg/L	0.010	92	70	130	1.0	20	

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12
Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP2-C_120629A	
Sample ID: ICV	6	Initial Calibration Verification Standard							06/29/12 15:31	
Aluminum		4.77	mg/L	0.10	95	95	105			
Beryllium		0.509	mg/L	0.010	102	95	105			
Boron		1.05	mg/L	0.10	105	95	105			
Iron		4.99	mg/L	0.030	100	95	105			
Lithium		0.976	mg/L	0.10	98	95	105			
Uranium		5.17	mg/L	1.0	103	95	105			
Sample ID: ICSA	6	Interference Check Sample A							06/29/12 16:11	
Aluminum		539	mg/L	0.10	108	80	120			
Beryllium		0.000200	mg/L	0.010						
Boron		-0.0379	mg/L	0.10						
Iron		187	mg/L	0.030	94	80	120			
Lithium		0.00340	mg/L	0.10						
Uranium		0.0390	mg/L	1.0						
Sample ID: ICSAB	6	Interference Check Sample AB							06/29/12 16:15	
Aluminum		541	mg/L	0.10	108	80	120			
Beryllium		0.510	mg/L	0.010	102	80	120			
Boron		-0.0584	mg/L	0.10						
Iron		189	mg/L	0.030	95	80	120			
Lithium		0.00320	mg/L	0.10						
Uranium		0.00980	mg/L	1.0						
Method: E200.7									Batch: R161390	
Sample ID: MB-120629A	6	Method Blank				Run: ICP2-C_120629A			06/29/12 16:35	
Aluminum		ND	mg/L	0.01						
Beryllium		ND	mg/L	0.0002						
Boron		ND	mg/L	0.02						
Iron		0.003	mg/L	0.001						
Lithium		ND	mg/L	0.0002						
Uranium		ND	mg/L	0.3						
Sample ID: LFB-120629A	6	Laboratory Fortified Blank				Run: ICP2-C_120629A			06/29/12 16:39	
Aluminum		0.970	mg/L	0.10	97	85	115			
Beryllium		0.971	mg/L	0.010	97	85	115			
Boron		0.967	mg/L	0.10	97	85	115			
Iron		0.976	mg/L	0.030	97	85	115			
Lithium		0.939	mg/L	0.10	94	85	115			
Uranium		4.99	mg/L	1.0	100	85	115			
Sample ID: C12060394-001CMS2	6	Sample Matrix Spike				Run: ICP2-C_120629A			06/29/12 17:41	
Aluminum		0.956	mg/L	0.030	94	70	130			
Beryllium		0.939	mg/L	0.0010	92	70	130			
Boron		0.944	mg/L	0.050	93	70	130			
Iron		0.895	mg/L	0.030	88	70	130			
Lithium		0.890	mg/L	0.10	87	70	130			

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R161390
Sample ID: C12060394-001CMS2	6	Sample Matrix Spike				Run: ICP2-C_120629A			06/29/12 17:41	
Uranium		5.38	mg/L	0.26	95	70	130			
Sample ID: C12060394-001CMSD	6	Sample Matrix Spike Duplicate				Run: ICP2-C_120629A			06/29/12 17:45	
Aluminum		0.939	mg/L	0.030	92	70	130	1.7	20	
Beryllium		0.937	mg/L	0.0010	92	70	130	0.2	20	
Boron		0.939	mg/L	0.050	92	70	130	0.4	20	
Iron		0.886	mg/L	0.030	87	70	130	0.9	20	
Lithium		0.892	mg/L	0.10	87	70	130	0.2	20	
Uranium		5.27	mg/L	0.26	93	70	130	1.9	20	

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS4-C_120627A	
Sample ID: ICV	2	Initial Calibration Verification Standard							06/27/12 16:27	
Arsenic		0.0496	mg/L	0.0010	99	90	110			
Selenium		0.0515	mg/L	0.0010	103	90	110			
Method: E200.8									Batch: R161310	
Sample ID: LRB	2	Method Blank				Run: ICPMS4-C_120627A			06/27/12 17:19	
Arsenic		ND	mg/L	5E-05						
Selenium		ND	mg/L	7E-05						
Sample ID: LFB	2	Laboratory Fortified Blank				Run: ICPMS4-C_120627A			06/27/12 17:23	
Arsenic		0.0526	mg/L	0.0010	105	85	115			
Selenium		0.0523	mg/L	0.0010	105	85	115			
Sample ID: C12060640-001BMS	2	Sample Matrix Spike				Run: ICPMS4-C_120627A			06/28/12 07:43	
Arsenic		0.525	mg/L	0.0010	105	70	130			
Selenium		0.507	mg/L	0.0010	101	70	130			
Sample ID: C12060640-001BMSD	2	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120627A			06/28/12 07:47	
Arsenic		0.537	mg/L	0.0010	107	70	130	2.2	20	
Selenium		0.523	mg/L	0.0010	105	70	130	3.1	20	

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS4-C_120629A	
Sample ID: ICV	20	Initial Calibration Verification Standard							06/29/12 09:26	
Aluminum		0.0491	mg/L	0.0010	98	90	110			
Antimony		0.0545	mg/L	0.0010	109	90	110			
Arsenic		0.0494	mg/L	0.0010	99	90	110			
Barium		0.0501	mg/L	0.0010	100	90	110			
Cadmium		0.0512	mg/L	0.0010	102	90	110			
Calcium		9.85	mg/L	0.0066	98	90	110			
Chromium		0.0504	mg/L	0.0010	101	90	110			
Cobalt		0.0508	mg/L	0.0010	102	90	110			
Copper		0.0514	mg/L	0.0010	103	90	110			
Iron		1.01	mg/L	0.0010	101	90	110			
Lead		0.0506	mg/L	0.0010	101	90	110			
Magnesium		9.98	mg/L	0.0027	100	90	110			
Manganese		0.0499	mg/L	0.0010	100	90	110			
Molybdenum		0.0502	mg/L	0.0010	100	90	110			
Nickel		0.0501	mg/L	0.0010	100	90	110			
Selenium		0.0499	mg/L	0.0010	100	90	110			
Silver		0.0206	mg/L	0.0010	103	90	110			
Thallium		0.0495	mg/L	0.0010	99	90	110			
Vanadium		0.0496	mg/L	0.0010	99	90	110			
Zinc		0.0498	mg/L	0.0010	100	90	110			
Method: E200.8									Batch: R161387	
Sample ID: LRB	20	Method Blank				Run: ICPMS4-C_120629A			06/29/12 10:08	
Aluminum		ND	mg/L	0.0002						
Antimony		0.0003	mg/L	0.0001						
Arsenic		ND	mg/L	5E-05						
Barium		ND	mg/L	7E-05						
Cadmium		ND	mg/L	3E-05						
Calcium		ND	mg/L	0.007						
Chromium		ND	mg/L	4E-05						
Cobalt		ND	mg/L	3E-05						
Copper		ND	mg/L	3E-05						
Iron		ND	mg/L	0.0006						
Lead		ND	mg/L	2E-05						
Magnesium		ND	mg/L	0.003						
Manganese		ND	mg/L	3E-05						
Molybdenum		ND	mg/L	3E-05						
Nickel		ND	mg/L	9E-05						
Selenium		ND	mg/L	7E-05						
Silver		ND	mg/L	6E-05						
Thallium		ND	mg/L	6E-05						
Vanadium		ND	mg/L	4E-05						
Zinc		ND	mg/L	0.0002						

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R161387	
Sample ID: LFB	20	Laboratory Fortified Blank				Run: ICPMS4-C_120629A			06/29/12 10:19	
Aluminum		0.0514	mg/L	0.0010	103	85	115			
Antimony		0.0507	mg/L	0.0010	101	85	115			
Arsenic		0.0517	mg/L	0.0010	103	85	115			
Barium		0.0526	mg/L	0.0010	105	85	115			
Cadmium		0.0531	mg/L	0.0010	106	85	115			
Calcium		12.3	mg/L	0.0066	98	85	115			
Chromium		0.0512	mg/L	0.0010	102	85	115			
Cobalt		0.0520	mg/L	0.0010	104	85	115			
Copper		0.0522	mg/L	0.0010	104	85	115			
Iron		1.28	mg/L	0.0010	102	85	115			
Lead		0.0508	mg/L	0.0010	102	85	115			
Magnesium		12.2	mg/L	0.0027	97	85	115			
Manganese		0.0520	mg/L	0.0010	104	85	115			
Molybdenum		0.0510	mg/L	0.0010	102	85	115			
Nickel		0.0523	mg/L	0.0010	105	85	115			
Selenium		0.0529	mg/L	0.0010	106	85	115			
Silver		0.0205	mg/L	0.0010	103	85	115			
Thallium		0.0496	mg/L	0.0010	99	85	115			
Vanadium		0.0520	mg/L	0.0010	104	85	115			
Zinc		0.0512	mg/L	0.0010	102	85	115			
Sample ID: C12060629-007BMS4	20	Sample Matrix Spike				Run: ICPMS4-C_120629A			06/29/12 12:59	
Aluminum		0.0514	mg/L	0.030	98	70	130			
Antimony		0.0560	mg/L	0.0010	112	70	130			
Arsenic		0.0541	mg/L	0.0010	106	70	130			
Barium		0.0635	mg/L	0.050	108	70	130			
Cadmium		0.0520	mg/L	0.0010	104	70	130			
Calcium		99.0	mg/L	1.0		70	130			A
Chromium		0.0501	mg/L	0.0050	100	70	130			
Cobalt		0.0504	mg/L	0.0050	98	70	130			
Copper		0.0495	mg/L	0.0050	99	70	130			
Iron		1.29	mg/L	0.030	99	70	130			
Lead		0.0491	mg/L	0.0010	98	70	130			
Magnesium		30.9	mg/L	1.0	98	70	130			
Manganese		0.110	mg/L	0.0010	101	70	130			
Molybdenum		0.0559	mg/L	0.0010	101	70	130			
Nickel		0.0491	mg/L	0.0050	97	70	130			
Selenium		0.0519	mg/L	0.0010	104	70	130			
Silver		0.0191	mg/L	0.0010	96	70	130			
Thallium		0.0491	mg/L	0.00050	98	70	130			
Vanadium		0.0513	mg/L	0.010	103	70	130			
Zinc		0.0520	mg/L	0.010	97	70	130			
Sample ID: C12060629-007BMSD	20	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120629A			06/29/12 13:03	
Aluminum		0.0527	mg/L	0.030	101	70	130	2.5	20	

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R161387
Sample ID: C12060629-007BMSD	20	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120629A			06/29/12 13:03	
Antimony		0.0570	mg/L	0.0010	114	70	130	1.9	20	
Arsenic		0.0545	mg/L	0.0010	107	70	130	0.7	20	
Barium		0.0644	mg/L	0.050	110	70	130	1.5	20	
Cadmium		0.0529	mg/L	0.0010	106	70	130	1.8	20	
Calcium		100	mg/L	1.0		70	130	1.2	20	A
Chromium		0.0505	mg/L	0.0050	101	70	130	0.9	20	
Cobalt		0.0507	mg/L	0.0050	99	70	130	0.7	20	
Copper		0.0493	mg/L	0.0050	98	70	130	0.4	20	
Iron		1.37	mg/L	0.030	105	70	130	5.4	20	
Lead		0.0502	mg/L	0.0010	100	70	130	2.1	20	
Magnesium		30.8	mg/L	1.0	97	70	130	0.6	20	
Manganese		0.112	mg/L	0.0010	104	70	130	1.6	20	
Molybdenum		0.0578	mg/L	0.0010	105	70	130	3.3	20	
Nickel		0.0499	mg/L	0.0050	99	70	130	1.5	20	
Selenium		0.0552	mg/L	0.0010	110	70	130	6.1	20	
Silver		0.0199	mg/L	0.0010	99	70	130	3.9	20	
Thallium		0.0499	mg/L	0.00050	100	70	130	1.6	20	
Vanadium		0.0516	mg/L	0.010	103	70	130	0.5	20	
Zinc		0.0519	mg/L	0.010	97	70	130	0.0	20	

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1								Analytical Run: CVAA_C203_120627A		
Sample ID: ICV		Initial Calibration Verification Standard								06/27/12 13:46
Mercury		0.00521	mg/L	0.00010	104	90	110			
Sample ID: CCV1		Continuing Calibration Verification Standard								06/27/12 13:48
Mercury		0.00518	mg/L	0.00010	104	95	105			
Method: E245.1										Batch: 34112
Sample ID: MB-34112		Method Blank				Run: CVAA_C203_120627A				06/27/12 13:51
Mercury		ND	mg/L	3E-05						
Sample ID: LCS-34112		Laboratory Control Sample				Run: CVAA_C203_120627A				06/27/12 13:52
Mercury		0.00516	mg/L	0.00010	103	85	115			
Sample ID: C12060238-005CMS		Sample Matrix Spike				Run: CVAA_C203_120627A				06/27/12 13:56
Mercury		0.00479	mg/L	0.00010	96	70	130			
Sample ID: C12060238-005CMSD		Sample Matrix Spike Duplicate				Run: CVAA_C203_120627A				06/27/12 13:57
Mercury		0.00477	mg/L	0.00010	95	70	130	0.4	10	
Method: E245.1								Analytical Run: CVAA_C203_120703A		
Sample ID: ICV		Initial Calibration Verification Standard								07/03/12 09:44
Mercury		0.00506	mg/L	0.00020	101	90	110			
Sample ID: CCV1		Continuing Calibration Verification Standard								07/03/12 09:47
Mercury		0.00495	mg/L	0.00020	99	95	105			
Method: E245.1										Batch: 34176
Sample ID: MB-34176		Method Blank				Run: CVAA_C203_120703A				07/03/12 09:50
Mercury		ND	mg/L	3E-05						
Sample ID: LCS-34176		Laboratory Control Sample				Run: CVAA_C203_120703A				07/03/12 09:51
Mercury		0.00528	mg/L	0.00020	106	85	115			
Sample ID: C12060238-006CMS		Sample Matrix Spike				Run: CVAA_C203_120703A				07/03/12 10:00
Mercury		0.00505	mg/L	0.00010	101	70	130			
Sample ID: C12060238-006CMSD		Sample Matrix Spike Duplicate				Run: CVAA_C203_120703A				07/03/12 10:01
Mercury		0.00510	mg/L	0.00010	102	70	130	1.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Analytical Run: IC2-C_120629A	
Sample ID: ICV-062912-10	2	Initial Calibration Verification Standard							06/29/12 13:55	
Chloride		9.80	mg/L	1.0	98	90	110			
Sulfate		39.3	mg/L	1.0	98	90	110			
Method: E300.0									Batch: R161401	
Sample ID: ICB-062912-11	2	Method Blank				Run: IC2-C_120629A			06/29/12 14:11	
Chloride		ND	mg/L	0.03						
Sulfate		0.2	mg/L	0.10						
Sample ID: LFB-062912-12	2	Laboratory Fortified Blank				Run: IC2-C_120629A			06/29/12 14:26	
Chloride		9.92	mg/L	1.0	99	90	110			
Sulfate		39.8	mg/L	1.0	99	90	110			
Sample ID: C12060932-002BMS	2	Sample Matrix Spike				Run: IC2-C_120629A			06/30/12 17:09	
Chloride		25.7	mg/L	1.0	100	90	110			
Sulfate		90.6	mg/L	1.7	95	90	110			
Sample ID: C12060932-002BMSD	2	Sample Matrix Spike Duplicate				Run: IC2-C_120629A			06/30/12 17:24	
Chloride		25.7	mg/L	1.0	100	90	110	0.2	10	
Sulfate		91.3	mg/L	1.7	96	90	110	0.8	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R161302
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_120628A				06/28/12 10:47
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.06						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_120628A				06/28/12 10:49
Nitrogen, Nitrate+Nitrite as N		2.57	mg/L	0.10	103	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_120628A				06/28/12 10:52
Nitrogen, Nitrate+Nitrite as N		2.02	mg/L	0.10	103	90	110			
Sample ID: C12061166-001BMS		Sample Matrix Spike				Run: TECHNICON_120628A				06/28/12 12:44
Nitrogen, Nitrate+Nitrite as N		2.89	mg/L	0.10	106	90	110			
Sample ID: C12061166-001BMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_120628A				06/28/12 12:47
Nitrogen, Nitrate+Nitrite as N		2.91	mg/L	0.10	107	90	110	0.7	10	
Method: E353.2										Batch: R161430
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_120702A				07/02/12 11:12
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.06						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_120702A				07/02/12 11:14
Nitrogen, Nitrate+Nitrite as N		2.56	mg/L	0.10	102	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_120702A				07/02/12 11:17
Nitrogen, Nitrate+Nitrite as N		2.03	mg/L	0.10	104	90	110			
Method: E353.2										Batch: 34149
Sample ID: C12060238-003BMS		Sample Matrix Spike				Run: TECHNICON_120703A				07/03/12 16:42
Nitrogen, Nitrate+Nitrite as N		31.4	mg/L	1.0	96	90	110			
Sample ID: LCS-34149		Laboratory Control Sample				Run: TECHNICON_120703A				07/03/12 16:52
Nitrogen, Nitrate+Nitrite as N		46.1	mg/L	2.0	99	90	110			
Sample ID: C12060238-003BMS		Sample Matrix Spike				Run: TECHNICON_120703A				07/03/12 16:57
Nitrogen, Nitrate+Nitrite as N		31.1	mg/L	1.0	96	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: GrAB-1299
Sample ID: Th230-GrAB-1299		Laboratory Control Sample				Run: G5000W_120629B			07/04/12 18:50	
Gross Alpha		202	pCi/L		99	80	120			
Sample ID: Cs137-GrAB-1299		Laboratory Control Sample				Run: G5000W_120629B			07/04/12 18:50	
Gross Beta		178	pCi/L		96	80	120			
Sample ID: MB-GrAB-1299	6	Method Blank				Run: G5000W_120629B			07/04/12 18:50	
Gross Alpha		-1.0	pCi/L							U
Gross Alpha precision (±)		0.6	pCi/L							
Gross Alpha MDC		1	pCi/L							
Gross Beta		-1	pCi/L							U
Gross Beta precision (±)		2	pCi/L							
Gross Beta MDC		3	pCi/L							
Sample ID: C12061097-001DMS		Sample Matrix Spike				Run: G5000W_120629B			07/04/12 18:50	
Gross Alpha		2320	pCi/L		107	70	130			
Sample ID: C12061097-001DMSD		Sample Matrix Spike Duplicate				Run: G5000W_120629B			07/04/12 18:50	
Gross Alpha		2390	pCi/L		144	70	130	3.2	11.3	S
- Sample activity for this radionuclide is much larger than the spike activity added. Therefore the matrix spike recovery could not be calculated. The LCS and the RPD of the MS/MSD pair are acceptable; this batch is approved.										
Sample ID: C12061097-001DMS		Sample Matrix Spike				Run: G5000W_120629B			07/04/12 18:50	
Gross Beta		490	pCi/L		131	70	130			S
- Sample activity for this radionuclide is much larger than the spike activity added. Therefore the matrix spike recovery could not be calculated. The LCS and the RPD of the MS/MSD pair are acceptable; this batch is approved.										
Sample ID: C12061097-001DMSD		Sample Matrix Spike Duplicate				Run: G5000W_120629B			07/04/12 18:50	
Gross Beta		478	pCi/L		124	70	130	2.5	12.8	
Sample ID: C12061098-001EDUP	6	Sample Duplicate				Run: G5000W_120629B			07/04/12 18:50	
Gross Alpha		2870	pCi/L					7.4	11.3	
Gross Alpha precision (±)		18.8	pCi/L							
Gross Alpha MDC		2.19	pCi/L							
Gross Beta		408	pCi/L					6.6	13.8	
Gross Beta precision (±)		7.42	pCi/L							
Gross Beta MDC		3.07	pCi/L							

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: GrAB-1301
Sample ID: Th230-GrAB-1301		Laboratory Control Sample				Run: G5000W_120704A			07/06/12 17:54	
Gross Alpha		214	pCi/L		105	80	120			
Sample ID: Cs137-GrAB-1301		Laboratory Control Sample				Run: G5000W_120704A			07/06/12 17:54	
Gross Beta		178	pCi/L		97	80	120			
Sample ID: MB-GrAB-1301	6	Method Blank				Run: G5000W_120704A			07/06/12 17:54	
Gross Alpha		-1	pCi/L							U
Gross Alpha precision (±)		0.6	pCi/L							
Gross Alpha MDC		1	pCi/L							
Gross Beta		-2	pCi/L							U
Gross Beta precision (±)		1	pCi/L							
Gross Beta MDC		3	pCi/L							
Sample ID: C12060299-005DMS		Sample Matrix Spike				Run: G5000W_120704A			07/06/12 17:54	
Gross Alpha		162	pCi/L		79	70	130			
Sample ID: C12060299-005DMSD		Sample Matrix Spike Duplicate				Run: G5000W_120704A			07/06/12 17:54	
Gross Alpha		154	pCi/L		75	70	130	4.9	15.3	
Sample ID: C12060299-005DMS		Sample Matrix Spike				Run: G5000W_120704A			07/06/12 17:54	
Gross Beta		202	pCi/L		107	70	130			
Sample ID: C12060299-005DMSD		Sample Matrix Spike Duplicate				Run: G5000W_120704A			07/06/12 17:54	
Gross Beta		184	pCi/L		97	70	130	9.0	13.9	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Sobek Modified									Batch: B_R186756	
Sample ID: B12060469-001ADUP	3	Sample Duplicate				Run: SUB-B186756			06/13/12 15:30	
Neutralization Potential		5.3	t/kt	0.10				0.0	50	
Acid Potential		0.56	t/kt	1.0					50	
Acid/Base Potential		4.7	t/kt					2.6	50	
The acid-base potential was calculated from the non-sulfate sulfur %										
Sample ID: C12060238-001A	3	Sample Duplicate				Run: SUB-B186756			06/13/12 15:30	
Neutralization Potential		6.5	t/kt	0.10				9.5	50	
Acid Potential		18	t/kt	1.0				4.1	50	
Acid/Base Potential		-12	t/kt					11	50	
The acid-base potential was calculated from the non-sulfate sulfur %										
Sample ID: LCS-SOL0715	3	Sample Duplicate				Run: SUB-B186756			06/13/12 15:30	
Neutralization Potential		79	t/kt	0.10				0.0	50	
Acid Potential		4.1	t/kt	1.0				0.0	50	
Acid/Base Potential		75	t/kt					0.0	50	
The acid-base potential was calculated from the non-sulfate sulfur %										
Sample ID: B12060469-001ADUP	5	Sample Duplicate				Run: SUB-B186756			06/13/12 15:30	
Sulfur, Total		0.07	%	0.01				0.0	50	
Sulfur, Hot Water Extractable		0.05	%	0.01				7.4	50	
Sulfur, HCl Extractable		0.02	%	0.01				25	50	
Sulfur, HNO3 Extractable		ND	%	0.01					50	
Sulfur, Residual		ND	%	0.01					50	
Sample ID: C12060238-001A	5	Sample Duplicate				Run: SUB-B186756			06/13/12 15:30	
Sulfur, Total		0.63	%	0.01				1.6	50	
Sulfur, Hot Water Extractable		0.04	%	0.01				46	50	
Sulfur, HCl Extractable		0.03	%	0.01				40	50	
Sulfur, HNO3 Extractable		0.47	%	0.01				6.2	50	
Sulfur, Residual		0.09	%	0.01				25	50	
Sample ID: LCS-SOL0715	5	Sample Duplicate				Run: SUB-B186756			06/13/12 15:30	
Sulfur, Total		0.18	%	0.01				0.0	50	
Sulfur, Hot Water Extractable		0.06	%	0.01				0.0	50	
Sulfur, HCl Extractable		0.02	%	0.01				0.0	50	
Sulfur, HNO3 Extractable		0.08	%	0.01				0.0	50	
Sulfur, Residual		0.04	%	0.01				0.0	50	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Analytical Run: ICP2-C_120627A	
Sample ID: ICV	3	Initial Calibration Verification Standard							06/27/12 11:59	
Lithium		1.02	mg/L	0.10	102	95	105			
Silicon		10.5	mg/L	0.10	105	95	105			
Zinc		0.995	mg/L	0.010	100	95	105			
Sample ID: ICSA	3	Interference Check Sample A							06/27/12 12:41	
Lithium		0.00380	mg/L	0.10						
Silicon		0.00580	mg/L	0.10						
Zinc		-0.00550	mg/L	0.010						
Sample ID: ICSAB	3	Interference Check Sample AB							06/27/12 12:45	
Lithium		0.00380	mg/L	0.10						
Silicon		0.00430	mg/L	0.10						
Zinc		1.02	mg/L	0.010	102	80	120			
Method: SW6010B									Batch: 33903	
Sample ID: MB-33903	3	Method Blank				Run: ICP2-C_120627A			06/27/12 22:07	
Lithium		0.03	mg/kg	0.02						
Silicon		2	mg/kg	1						
Zinc		0.4	mg/kg	0.4						
Sample ID: LFB-33903	3	Laboratory Fortified Blank				Run: ICP2-C_120627A			06/27/12 22:23	
Lithium		27	mg/kg	1.0	110	80	120			
Silicon		130	mg/kg	5.0	106	80	120			
Zinc		25	mg/kg	1.0	99	80	120			
Sample ID: C12050832-001ADIL	3	Serial Dilution				Run: ICP2-C_120627A			06/27/12 22:56	
Lithium		ND	mg/kg-dry	51		0	0		10	
Silicon		6400	mg/kg-dry	4800		0	0		10	N
Zinc		2000	mg/kg-dry	1200		0	0		10	N
Sample ID: C12050832-001AMS3	3	Sample Matrix Spike				Run: ICP2-C_120627A			06/27/12 23:00	
Lithium		1700	mg/kg-dry	10	105	75	125			
Silicon		8200	mg/kg-dry	960	8	75	125			S
Zinc		3000	mg/kg-dry	250	100	75	125			
Sample ID: C12050832-001AMSD	3	Sample Matrix Spike Duplicate				Run: ICP2-C_120627A			06/27/12 23:16	
Lithium		1700	mg/kg-dry	10	102	75	125	2.7	20	
Silicon		12000	mg/kg-dry	960	30	75	125	37	20	SR
Zinc		3100	mg/kg-dry	250	110	75	125	5.3	20	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12
Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Analytical Run: ICP2-C_120628A	
Sample ID: ICV	7	Initial Calibration Verification Standard							06/28/12 12:44	
Barium		0.980	mg/L	0.10	98	95	105			
Beryllium		0.503	mg/L	0.010	101	95	105			
Copper		0.981	mg/L	0.010	98	95	105			
Manganese		5.02	mg/L	0.010	100	95	105			
Nickel		0.973	mg/L	0.050	97	95	105			
Uranium		5.01	mg/L	1.0	100	95	105			
Zinc		0.994	mg/L	0.010	99	95	105			
Sample ID: ICSA	7	Interference Check Sample A							06/28/12 13:25	
Barium		-0.00120	mg/L	0.10						
Beryllium		0.000300	mg/L	0.010						
Copper		0.00490	mg/L	0.010						
Manganese		-0.00340	mg/L	0.010						
Nickel		-0.00280	mg/L	0.050						
Uranium		0.0139	mg/L	1.0						
Zinc		-0.00370	mg/L	0.010						
Sample ID: ICSAB	7	Interference Check Sample AB							06/28/12 13:29	
Barium		0.545	mg/L	0.10	109	80	120			
Beryllium		0.529	mg/L	0.010						
Copper		0.567	mg/L	0.010	113	80	120			
Manganese		0.540	mg/L	0.010	108	80	120			
Nickel		0.995	mg/L	0.050	100	80	120			
Uranium		0.0289	mg/L	1.0						
Zinc		1.07	mg/L	0.010	107	80	120			
Method: SW6010B										Batch: 34109
Sample ID: MB-34109	7	Method Blank				Run: ICP2-C_120628A			06/28/12 13:57	
Barium		0.1	mg/kg	0.1						
Beryllium		ND	mg/kg	0.008						
Copper		ND	mg/kg	0.2						
Manganese		0.08	mg/kg	0.02						
Nickel		ND	mg/kg	0.03						
Uranium		ND	mg/kg	20						
Zinc		ND	mg/kg	0.4						
Sample ID: LCS3-34109	7	Laboratory Control Sample				Run: ICP2-C_120628A			06/28/12 14:05	
Barium		610	mg/kg	1.4	101	80	120			
Beryllium		50	mg/kg	1.0	99	76.3	120			
Copper		270	mg/kg	1.6	99	77.5	120			
Manganese		400	mg/kg	1.0	109	80	120			
Nickel		58	mg/kg	1.0	95	72.3	120			
Uranium		110	mg/kg	1.0	108	80	120			
Zinc		220	mg/kg	3.7	105	74.2	120			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B										Batch: 34109
Sample ID: C12060238-003DDIL	7	Serial Dilution				Run: ICP2-C_120628A			06/28/12 14:17	
Barium		150	mg/kg-dry	6.9		0	0	2.5	10	
Beryllium		0.50	mg/kg-dry	1.0		0	0		10	N
Copper		550	mg/kg-dry	7.9		0	0	3.8	10	
Manganese		48	mg/kg-dry	1.2		0	0	1.5	10	
Nickel		32	mg/kg-dry	1.5		0	0	3.6	10	
Uranium		ND	mg/kg-dry	860		0	0		10	
Zinc		92	mg/kg-dry	19		0	0		10	N
Sample ID: C12060238-003DMS3	7	Sample Matrix Spike				Run: ICP2-C_120628A			06/28/12 14:21	
Barium		190	mg/kg-dry	1.4	86	75	125			
Beryllium		27	mg/kg-dry	1.0	105	75	125			
Copper		630	mg/kg-dry	1.6		75	125			A
Manganese		310	mg/kg-dry	1.0	106	75	125			
Nickel		85	mg/kg-dry	1.0	104	75	125			
Uranium		ND	mg/kg-dry	170		75	125			S
Zinc		160	mg/kg-dry	3.7	129	75	125			S
Sample ID: C12060238-003DMSD	7	Sample Matrix Spike Duplicate				Run: ICP2-C_120628A			06/28/12 14:25	
Barium		200	mg/kg-dry	1.4	93	75	125	1.8	20	
Beryllium		26	mg/kg-dry	1.0	104	75	125	1.3	20	
Copper		680	mg/kg-dry	1.6		75	125	8.5	20	A
Manganese		310	mg/kg-dry	1.0	105	75	125	1.3	20	
Nickel		80	mg/kg-dry	1.0	94	75	125	6.1	20	
Uranium		ND	mg/kg-dry	170		75	125		20	S
Zinc		220	mg/kg-dry	3.7	249	75	125	32	20	SR

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS4-C_120608A	
Sample ID: ICSA	28	Interference Check Sample A							06/08/12 14:15	
Aluminum		0.996	mg/L	0.0010	100	70	130			
Antimony		-0.000362	mg/L	0.0010						
Arsenic		-5.00E-07	mg/L	0.0010						
Barium		-6.00E-06	mg/L	0.0010						
Beryllium		1.30E-06	mg/L	0.010						
Boron		0.000770	mg/L	0.0010						
Cadmium		2.72E-05	mg/L	0.0010						
Calcium		0.993	mg/L	0.0066	99	70	130			
Chromium		9.10E-06	mg/L	0.0010						
Cobalt		4.20E-06	mg/L	0.0010						
Copper		-3.39E-05	mg/L	0.0010						
Iron		0.990	mg/L	0.0010	99	70	130			
Lead		6.00E-07	mg/L	0.0010						
Magnesium		1.02	mg/L	0.0027	102	70	130			
Manganese		5.80E-06	mg/L	0.0010						
Molybdenum		0.0200	mg/L	0.0010	100	70	130			
Nickel		6.70E-06	mg/L	0.0010						
Phosphorus		0.974	mg/L	0.0024						
Potassium		1.01	mg/L	0.0041	101	70	130			
Selenium		2.10E-06	mg/L	0.0010						
Silver		-1.80E-05	mg/L	0.0010						
Sodium		0.980	mg/L	0.0043	98	70	130			
Strontium		2.70E-06	mg/L	0.0010						
Thallium		-7.90E-06	mg/L	0.0010						
Tin		9.80E-05	mg/L	0.0010						
Titanium		0.0212	mg/L	0.0010	106	70	130			
Uranium		-7.90E-06	mg/L	0.00030						
Vanadium		-6.50E-06	mg/L	0.0010						
Sample ID: ICSAB	28	Interference Check Sample AB							06/08/12 14:21	
Aluminum		0.867	mg/L	0.0010	87	70	130			
Antimony		-0.000867	mg/L	0.0010						
Arsenic		0.00975	mg/L	0.0010	98	70	130			
Barium		-2.80E-06	mg/L	0.0010						
Beryllium		-1.60E-06	mg/L	0.010						
Boron		0.000159	mg/L	0.0010						
Cadmium		0.00885	mg/L	0.0010	88	70	130			
Calcium		0.983	mg/L	0.0066	98	70	130			
Chromium		0.0100	mg/L	0.0010	100	70	130			
Cobalt		0.00888	mg/L	0.0010	89	70	130			
Copper		0.0102	mg/L	0.0010	102	70	130			
Iron		0.991	mg/L	0.0010	99	70	130			
Lead		-9.90E-06	mg/L	0.0010						
Magnesium		1.02	mg/L	0.0027	102	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Analytical Run: ICPMS4-C_120608A		
Sample ID: ICSAB	28	Interference Check Sample AB							06/08/12 14:21	
Manganese		0.00878	mg/L	0.0010	88	70	130			
Molybdenum		0.0174	mg/L	0.0010	87	70	130			
Nickel		0.0103	mg/L	0.0010	103	70	130			
Phosphorus		0.838	mg/L	0.0024	84	70	130			
Potassium		1.01	mg/L	0.0041	101	70	130			
Selenium		-5.06E-05	mg/L	0.0010						
Silver		0.00957	mg/L	0.0010	96	70	130			
Sodium		0.976	mg/L	0.0043	98	70	130			
Strontium		-1.90E-06	mg/L	0.0010						
Thallium		-1.92E-05	mg/L	0.0010						
Tin		-0.000178	mg/L	0.0010						
Titanium		0.0181	mg/L	0.0010	91	70	130			
Uranium		-2.30E-05	mg/L	0.00030						
Vanadium		-2.24E-05	mg/L	0.0010						
Sample ID: ICV	28	Initial Calibration Verification Standard							06/08/12 14:34	
Aluminum		0.0460	mg/L	0.0010	92	90	110			
Antimony		0.0489	mg/L	0.0010	98	90	110			
Arsenic		0.0491	mg/L	0.0010	98	90	110			
Barium		0.0469	mg/L	0.0010	94	90	110			
Beryllium		0.0482	mg/L	0.010	96	90	110			
Boron		0.0480	mg/L	0.0010	96	90	110			
Cadmium		0.0476	mg/L	0.0010	95	90	110			
Calcium		9.96	mg/L	0.0066	100	90	110			
Chromium		0.0496	mg/L	0.0010	99	90	110			
Cobalt		0.0457	mg/L	0.0010	91	90	110			
Copper		0.0501	mg/L	0.0010	100	90	110			
Iron		1.02	mg/L	0.0010	102	90	110			
Lead		0.0450	mg/L	0.0010	90	90	110			
Magnesium		9.60	mg/L	0.0027	96	90	110			
Manganese		0.0467	mg/L	0.0010	93	90	110			
Molybdenum		0.0470	mg/L	0.0010	94	90	110			
Nickel		0.0498	mg/L	0.0010	100	90	110			
Phosphorus		0.906	mg/L	0.0024	91	90	110			
Potassium		9.53	mg/L	0.0041	95	90	110			
Selenium		0.0505	mg/L	0.0010	101	90	110			
Silver		0.0202	mg/L	0.0010	101	90	110			
Sodium		9.35	mg/L	0.0043	94	90	110			
Strontium		0.0449	mg/L	0.0010	90	90	110			
Thallium		0.0478	mg/L	0.0010	96	90	110			
Tin		0.0464	mg/L	0.0010	93	90	110			
Titanium		0.0455	mg/L	0.0010	91	90	110			
Uranium		0.0476	mg/L	0.00030	95	90	110			
Vanadium		0.0492	mg/L	0.0010	98	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 33903
Sample ID: MB-33903	28	Method Blank				Run: ICPMS4-C_120608A				06/09/12 05:48
Aluminum		2	mg/kg	0.5						
Antimony		0.05	mg/kg	0.003						
Arsenic		0.1	mg/kg	0.004						
Barium		0.02	mg/kg	0.005						
Beryllium		ND	mg/kg	0.002						
Boron		0.7	mg/kg	0.02						
Cadmium		0.02	mg/kg	0.003						
Calcium		7	mg/kg	3						
Chromium		0.1	mg/kg	0.002						
Cobalt		0.002	mg/kg	0.002						
Copper		0.3	mg/kg	0.003						
Iron		2	mg/kg	0.09						
Lead		0.009	mg/kg	0.002						
Magnesium		0.5	mg/kg	0.3						
Manganese		0.3	mg/kg	0.006						
Molybdenum		0.06	mg/kg	0.003						
Nickel		0.1	mg/kg	0.002						
Phosphorus		2	mg/kg	0.1						
Potassium		3	mg/kg	0.3						
Selenium		0.01	mg/kg	0.003						
Silver		0.03	mg/kg	0.003						
Sodium		3	mg/kg	1						
Strontium		0.03	mg/kg	0.004						
Thallium		ND	mg/kg	0.001						
Tin		1	mg/kg	0.01						
Titanium		0.09	mg/kg	0.004						
Uranium		0.006	mg/kg	0.001						
Vanadium		0.7	mg/kg	0.003						
Sample ID: LFB-33903	28	Laboratory Fortified Blank				Run: ICPMS4-C_120608A				06/09/12 05:52
Aluminum		120	mg/kg	5.4	99	80	120			
Antimony		26	mg/kg	1.0	106	80	120			
Arsenic		25	mg/kg	1.0	99	80	120			
Barium		25	mg/kg	1.0	102	80	120			
Beryllium		14	mg/kg	1.0	113	80	120			
Boron		25	mg/kg	1.0	99	80	120			
Cadmium		13	mg/kg	1.0	101	80	120			
Calcium		1300	mg/kg	28	106	80	120			
Chromium		26	mg/kg	1.0	103	80	120			
Cobalt		25	mg/kg	1.0	102	80	120			
Copper		28	mg/kg	1.0	111	80	120			
Iron		120	mg/kg	5.0	99	80	120			
Lead		24	mg/kg	1.0	97	80	120			
Magnesium		1300	mg/kg	5.0	103	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 33903
Sample ID: LFB-33903	28	Laboratory Fortified Blank				Run: ICPMS4-C_120608A				06/09/12 05:52
Manganese		120	mg/kg	1.0	99	80	120			
Molybdenum		24	mg/kg	1.0	98	80	120			
Nickel		27	mg/kg	1.0	108	80	120			
Phosphorus		220	mg/kg	5.0	86	80	120			
Potassium		1200	mg/kg	5.0	95	80	120			
Selenium		24	mg/kg	1.0	96	80	120			
Silver		13	mg/kg	1.0	107	80	120			
Sodium		1300	mg/kg	12	104	80	120			
Strontium		25	mg/kg	1.0	99	80	120			
Thallium		25	mg/kg	1.0	100	80	120			
Tin		26	mg/kg	1.0	99	80	120			
Titanium		23	mg/kg	1.0	94	80	120			
Uranium		25	mg/kg	1.0	101	80	120			
Vanadium		25	mg/kg	1.0	99	80	120			
Sample ID: C12050832-001AMS3	28	Sample Matrix Spike				Run: ICPMS4-C_120608A				06/09/12 06:29
Aluminum		14000	mg/kg-dry	360	114	75	125			
Antimony		1500	mg/kg-dry	2.2	90	75	125			
Arsenic		1600	mg/kg-dry	2.3	94	75	125			
Barium		2800	mg/kg-dry	3.4	95	75	125			
Beryllium		880	mg/kg-dry	1.3	107	75	125			
Boron		1500	mg/kg-dry	11	90	75	125			
Cadmium		800	mg/kg-dry	1.8	97	75	125			
Calcium		120000	mg/kg-dry	1800	98	75	125			
Chromium		1600	mg/kg-dry	1.5	97	75	125			
Cobalt		1600	mg/kg-dry	1.2	96	75	125			
Copper		2800	mg/kg-dry	1.7	96	75	125			
Iron		21000	mg/kg-dry	57	93	75	125			
Lead		1600	mg/kg-dry	1.1	92	75	125			
Magnesium		93000	mg/kg-dry	220	100	75	125			
Manganese		8600	mg/kg-dry	4.0	66	75	125			S
Molybdenum		1600	mg/kg-dry	1.7	94	75	125			
Nickel		1700	mg/kg-dry	1.0	102	75	125			
Phosphorus		36000	mg/kg-dry	74	94	75	125			
Potassium		83000	mg/kg-dry	180	86	75	125			
Selenium		1600	mg/kg-dry	2.0	93	75	125			
Silver		870	mg/kg-dry	2.1	103	75	125			
Sodium		100000	mg/kg-dry	810	98	75	125			
Strontium		1800	mg/kg-dry	2.5	95	75	125			
Thallium		1600	mg/kg-dry	1.0	95	75	125			
Tin		1600	mg/kg-dry	7.4	92	75	125			
Titanium		1600	mg/kg-dry	2.8	87	75	125			
Uranium		1600	mg/kg-dry	1.0	95	75	125			
Vanadium		1600	mg/kg-dry	2.2	92	75	125			

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 33903
Sample ID: C12050832-001AMSD	28	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120608A			06/09/12 06:33	
Aluminum		15000	mg/kg-dry	360	118	75	125	2.7	20	
Antimony		1500	mg/kg-dry	2.2	93	75	125	3.6	20	
Arsenic		1500	mg/kg-dry	2.4	92	75	125	1.0	20	
Barium		2700	mg/kg-dry	3.4	91	75	125	2.6	20	
Beryllium		850	mg/kg-dry	1.3	103	75	125	3.4	20	
Boron		1600	mg/kg-dry	11	93	75	125	3.5	20	
Cadmium		780	mg/kg-dry	1.8	93	75	125	3.1	20	
Calcium		120000	mg/kg-dry	1800	100	75	125	1.1	20	
Chromium		1600	mg/kg-dry	1.5	97	75	125	0.6	20	
Cobalt		1600	mg/kg-dry	1.2	93	75	125	2.6	20	
Copper		3000	mg/kg-dry	1.7	106	75	125	5.9	20	
Iron		21000	mg/kg-dry	57	95	75	125	0.6	20	
Lead		1600	mg/kg-dry	1.2	95	75	125	3.6	20	
Magnesium		92000	mg/kg-dry	220	99	75	125	0.4	20	
Manganese		8000	mg/kg-dry	4.1	59	75	125	7.3	20	S
Molybdenum		1600	mg/kg-dry	1.7	93	75	125	0.4	20	
Nickel		1700	mg/kg-dry	1.0	101	75	125	0.9	20	
Phosphorus		36000	mg/kg-dry	74	95	75	125	0.7	20	
Potassium		84000	mg/kg-dry	180	87	75	125	1.1	20	
Selenium		1500	mg/kg-dry	2.0	91	75	125	2.4	20	
Silver		870	mg/kg-dry	2.1	102	75	125	0.4	20	
Sodium		99000	mg/kg-dry	810	97	75	125	0.6	20	
Strontium		1800	mg/kg-dry	2.5	93	75	125	1.4	20	
Thallium		1500	mg/kg-dry	1.0	93	75	125	1.8	20	
Tin		1600	mg/kg-dry	7.5	92	75	125	1.0	20	
Titanium		1600	mg/kg-dry	2.8	88	75	125	1.7	20	
Uranium		1600	mg/kg-dry	1.0	94	75	125	0.8	20	
Vanadium		1600	mg/kg-dry	2.2	93	75	125	1.4	20	
Sample ID: C12060238-006BDIL	28	Serial Dilution				Run: ICPMS4-C_120608A			06/09/12 07:28	
Aluminum		2300	mg/kg-dry	27		0	0	67	10	R
Antimony		ND	mg/kg-dry	1.0		0	0		10	
Arsenic		160	mg/kg-dry	1.0		0	0	68	10	R
Barium		170	mg/kg-dry	1.0		0	0	66	10	R
Beryllium		0.39	mg/kg-dry	1.0		0	0		10	N
Boron		ND	mg/kg-dry	1.0		0	0		10	
Cadmium		0.96	mg/kg-dry	1.0		0	0		10	N
Calcium		1100	mg/kg-dry	140		0	0		10	N
Chromium		4.6	mg/kg-dry	1.0		0	0	67	10	R
Cobalt		89	mg/kg-dry	1.0		0	0	63	10	R
Copper		2200	mg/kg-dry	1.0		0	0	68	10	R
Iron		16000	mg/kg-dry	5.0		0	0	71	10	R
Lead		210	mg/kg-dry	1.0		0	0	62	10	R
Magnesium		980	mg/kg-dry	17		0	0	67	10	R

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 08/10/12
Project: Daneros
Work Order: C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 33903
Sample ID: C12060238-006BDIL	28	Serial Dilution				Run: ICPMS4-C_120608A			06/09/12 07:28	
Manganese		28	mg/kg-dry	1.0		0	0	66	10	R
Molybdenum		17	mg/kg-dry	1.0		0	0	65	10	R
Nickel		60	mg/kg-dry	1.0		0	0	67	10	R
Phosphorus		100	mg/kg-dry	5.6		0	0	56	10	R
Potassium		550	mg/kg-dry	13		0	0	65	10	R
Selenium		0.96	mg/kg-dry	1.0		0	0		10	N
Silver		ND	mg/kg-dry	1.0		0	0		10	
Sodium		550	mg/kg-dry	61		0	0		10	N
Strontium		29	mg/kg-dry	1.0		0	0	65	10	R
Thallium		1.8	mg/kg-dry	1.0		0	0		10	
Tin		ND	mg/kg-dry	1.0		0	0		10	
Titanium		39	mg/kg-dry	1.0		0	0	70	10	R
Uranium		910	mg/kg-dry	1.0		0	0	65	10	R
Vanadium		10	mg/kg-dry	1.0		0	0		10	N

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS4-C_120702A	
Sample ID: ICSA	10	Interference Check Sample A							07/02/12 13:02	
Antimony		0.000173	mg/L	0.0010						
Arsenic		-4.60E-06	mg/L	0.0010						
Cadmium		2.33E-05	mg/L	0.0010						
Chromium		8.20E-06	mg/L	0.0010						
Lead		1.30E-06	mg/L	0.0010						
Molybdenum		0.0211	mg/L	0.0010	106	70	130			
Selenium		-4.00E-07	mg/L	0.0010						
Silver		-1.80E-05	mg/L	0.0010						
Thallium		-1.69E-05	mg/L	0.0010						
Vanadium		-1.21E-05	mg/L	0.0010						
Sample ID: ICSAB	10	Interference Check Sample AB							07/02/12 13:06	
Antimony		0.000120	mg/L	0.0010						
Arsenic		0.00999	mg/L	0.0010	100	70	130			
Cadmium		0.0103	mg/L	0.0010	103	70	130			
Chromium		0.0105	mg/L	0.0010	105	70	130			
Lead		1.40E-06	mg/L	0.0010						
Molybdenum		0.0210	mg/L	0.0010	105	70	130			
Selenium		-2.80E-06	mg/L	0.0010						
Silver		0.0107	mg/L	0.0010	107	70	130			
Thallium		-2.28E-05	mg/L	0.0010						
Vanadium		-1.28E-05	mg/L	0.0010						
Sample ID: ICV	10	Initial Calibration Verification Standard							07/02/12 17:23	
Antimony		0.0538	mg/L	0.0010	108	90	110			
Arsenic		0.0507	mg/L	0.0010	101	90	110			
Cadmium		0.0503	mg/L	0.0010	101	90	110			
Chromium		0.0520	mg/L	0.0010	104	90	110			
Lead		0.0496	mg/L	0.0010	99	90	110			
Molybdenum		0.0499	mg/L	0.0010	100	90	110			
Selenium		0.0506	mg/L	0.0010	101	90	110			
Silver		0.0207	mg/L	0.0010	103	90	110			
Thallium		0.0493	mg/L	0.0010	99	90	110			
Vanadium		0.0505	mg/L	0.0010	101	90	110			
Method: SW6020									Batch: 34109	
Sample ID: MB-34109	10	Method Blank				Run: ICPMS4-C_120702A			07/03/12 04:55	
Antimony		0.08	mg/kg	0.003						
Arsenic		0.1	mg/kg	0.004						
Cadmium		0.02	mg/kg	0.003						
Chromium		0.1	mg/kg	0.002						
Lead		0.008	mg/kg	0.002						
Molybdenum		0.03	mg/kg	0.003						
Selenium		0.01	mg/kg	0.003						
Silver		0.02	mg/kg	0.003						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 34109
Sample ID: MB-34109	10	Method Blank				Run: ICPMS4-C_120702A			07/03/12 04:55	
Thallium		ND	mg/kg	0.001						
Vanadium		0.7	mg/kg	0.003						
Sample ID: LFB-34109	10	Laboratory Fortified Blank				Run: ICPMS4-C_120702A			07/03/12 05:00	
Antimony		28	mg/kg	1.0	113	80	120			
Arsenic		56	mg/kg	1.0	111	80	120			
Cadmium		27	mg/kg	1.0	108	80	120			
Chromium		57	mg/kg	1.0	114	80	120			
Lead		54	mg/kg	1.0	108	80	120			
Molybdenum		27	mg/kg	1.0	109	80	120			
Selenium		52	mg/kg	1.0	105	80	120			
Silver		14	mg/kg	1.0	112	80	120			
Thallium		54	mg/kg	1.0	108	80	120			
Vanadium		57	mg/kg	1.0	112	80	120			
Sample ID: C12060238-003DDIL	10	Serial Dilution				Run: ICPMS4-C_120702A			07/03/12 05:15	
Antimony		ND	mg/kg-dry	1.0		0	0		10	
Arsenic		44	mg/kg-dry	1.0		0	0	12	10	R
Cadmium		0.30	mg/kg-dry	1.0		0	0		10	N
Chromium		7.0	mg/kg-dry	1.0		0	0	11	10	R
Lead		50	mg/kg-dry	1.0		0	0	9.2	10	
Molybdenum		3.4	mg/kg-dry	1.0		0	0	12	10	R
Selenium		0.32	mg/kg-dry	1.0		0	0		10	N
Silver		ND	mg/kg-dry	1.0		0	0		10	
Thallium		1.1	mg/kg-dry	1.0		0	0	16	10	R
Vanadium		11	mg/kg-dry	1.0		0	0	12	10	R
Sample ID: C12060238-003DMS3	10	Sample Matrix Spike				Run: ICPMS4-C_120702A			07/03/12 05:20	
Antimony		7.0	mg/kg-dry	1.0	27	75	125			S
Arsenic		100	mg/kg-dry	1.0	104	75	125			
Cadmium		27	mg/kg-dry	1.0	107	75	125			
Chromium		64	mg/kg-dry	1.0	112	75	125			
Lead		92	mg/kg-dry	1.0	73	75	125			S
Molybdenum		28	mg/kg-dry	1.0	99	75	125			
Selenium		53	mg/kg-dry	1.0	105	75	125			
Silver		14	mg/kg-dry	1.0	109	75	125			
Thallium		55	mg/kg-dry	1.0	107	75	125			
Vanadium		67	mg/kg-dry	1.0	109	75	125			
Sample ID: C12060238-003DMSD	10	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120702A			07/03/12 05:23	
Antimony		6.9	mg/kg-dry	1.0	27	75	125	0.6	20	S
Arsenic		100	mg/kg-dry	1.0	103	75	125	0.6	20	
Cadmium		27	mg/kg-dry	1.0	105	75	125	1.5	20	
Chromium		64	mg/kg-dry	1.0	113	75	125	0.8	20	
Lead		120	mg/kg-dry	1.0	124	75	125	24	20	R

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 34109
Sample ID: C12060238-003DMSD	10	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120702A			07/03/12 05:23	
Molybdenum		28	mg/kg-dry	1.0	95	75	125	3.3	20	
Selenium		52	mg/kg-dry	1.0	103	75	125	2.3	20	
Silver		13	mg/kg-dry	1.0	104	75	125	4.5	20	
Thallium		53	mg/kg-dry	1.0	104	75	125	2.3	20	
Vanadium		67	mg/kg-dry	1.0	109	75	125	0.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS4-C_120705A	
Sample ID: ICV	17	Initial Calibration Verification Standard							07/05/12 12:22	
Antimony		0.0536	mg/L	0.0010	107	90	110			
Arsenic		0.0489	mg/L	0.0010	98	90	110			
Barium		0.0495	mg/L	0.0010	99	90	110			
Beryllium		0.0495	mg/L	0.010	99	90	110			
Cadmium		0.0502	mg/L	0.0010	100	90	110			
Chromium		0.0497	mg/L	0.0010	99	90	110			
Copper		0.0504	mg/L	0.0010	101	90	110			
Lead		0.0505	mg/L	0.0010	101	90	110			
Manganese		0.0510	mg/L	0.0010	102	90	110			
Molybdenum		0.0508	mg/L	0.0010	102	90	110			
Nickel		0.0505	mg/L	0.0010	101	90	110			
Selenium		0.0500	mg/L	0.0010	100	90	110			
Silver		0.0215	mg/L	0.0010	108	90	110			
Thallium		0.0507	mg/L	0.0010	101	90	110			
Uranium		0.0505	mg/L	0.00030	101	90	110			
Vanadium		0.0497	mg/L	0.0010	99	90	110			
Zinc		0.0491	mg/L	0.0010	98	90	110			
Sample ID: ICSA	17	Interference Check Sample A							07/05/12 12:26	
Antimony		0.000879	mg/L	0.0010						
Arsenic		5.99E-05	mg/L	0.0010						
Barium		9.50E-06	mg/L	0.0010						
Beryllium		1.78E-05	mg/L	0.010						
Cadmium		5.31E-05	mg/L	0.0010						
Chromium		8.37E-05	mg/L	0.0010						
Copper		4.16E-05	mg/L	0.0010						
Lead		2.77E-05	mg/L	0.0010						
Manganese		-3.00E-07	mg/L	0.0010						
Molybdenum		0.0217	mg/L	0.0010	108	70	130			
Nickel		6.08E-05	mg/L	0.0010						
Selenium		0.000141	mg/L	0.0010						
Silver		0.000153	mg/L	0.0010						
Thallium		-1.46E-05	mg/L	0.0010						
Uranium		3.48E-05	mg/L	0.00030						
Vanadium		3.77E-05	mg/L	0.0010						
Zinc		6.96E-05	mg/L	0.0010						
Sample ID: ICSAB	17	Interference Check Sample AB							07/05/12 12:31	
Antimony		0.000359	mg/L	0.0010						
Arsenic		0.0103	mg/L	0.0010	103	70	130			
Barium		2.40E-06	mg/L	0.0010						
Beryllium		5.60E-06	mg/L	0.010						
Cadmium		0.0103	mg/L	0.0010	103	70	130			
Chromium		0.0110	mg/L	0.0010	110	70	130			
Copper		0.0109	mg/L	0.0010	109	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS4-C_120705A	
Sample ID: ICSAB	17	Interference Check Sample AB							07/05/12 12:31	
Lead		7.50E-06	mg/L	0.0010						
Manganese		0.0107	mg/L	0.0010	107	70	130			
Molybdenum		0.0212	mg/L	0.0010	106	70	130			
Nickel		0.0109	mg/L	0.0010	109	70	130			
Selenium		2.20E-05	mg/L	0.0010						
Silver		0.0110	mg/L	0.0010	110	70	130			
Thallium		-3.21E-05	mg/L	0.0010						
Uranium		7.90E-06	mg/L	0.00030						
Vanadium		-1.10E-05	mg/L	0.0010						
Zinc		0.0105	mg/L	0.0010	105	70	130			
Method: SW6020										Batch: 34167
Sample ID: MB-34167	17	Method Blank				Run: ICPMS4-C_120705A			07/05/12 14:10	
Antimony		0.0002	mg/L	5E-05						
Arsenic		0.002	mg/L	7E-05						
Barium		0.01	mg/L	0.0001						
Beryllium		ND	mg/L	6E-05						
Cadmium		0.0007	mg/L	4E-05						
Chromium		0.002	mg/L	0.001						
Copper		0.10	mg/L	6E-05						
Lead		0.01	mg/L	3E-05						
Manganese		0.004	mg/L	0.0002						
Molybdenum		0.0002	mg/L	4E-05						
Nickel		0.01	mg/L	6E-05						
Selenium		0.0003	mg/L	6E-05						
Silver		7E-05	mg/L	2E-05						
Thallium		ND	mg/L	5E-05						
Uranium		0.0002	mg/L	5E-05						
Vanadium		0.01	mg/L	7E-05						
Zinc		0.3	mg/L	0.0005						
Sample ID: LCS3-34167	17	Laboratory Control Sample				Run: ICPMS4-C_120705A			07/05/12 14:14	
Antimony		0.55	mg/L	0.0010	109	80	120			
Arsenic		0.47	mg/L	0.0010	94	80	120			
Barium		0.51	mg/L	0.050	101	80	120			
Beryllium		0.29	mg/L	0.0010	114	80	120			
Cadmium		0.26	mg/L	0.0010	103	80	120			
Chromium		0.51	mg/L	0.0050	101	80	120			
Copper		0.51	mg/L	0.0050	103	80	120			
Lead		0.53	mg/L	0.0010	105	80	120			
Manganese		2.6	mg/L	0.0010	102	80	120			
Molybdenum		0.52	mg/L	0.0010	103	80	120			
Nickel		0.49	mg/L	0.0050	98	80	120			
Selenium		0.49	mg/L	0.0010	97	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 34167
Sample ID: LCS3-34167	17	Laboratory Control Sample				Run: ICPMS4-C_120705A			07/05/12 14:14	
Silver		0.053	mg/L	0.0010	105	80	120			
Thallium		0.51	mg/L	0.00050	103	80	120			
Uranium		0.50	mg/L	0.00030	101	80	120			
Vanadium		0.51	mg/L	0.010	101	80	120			
Zinc		0.50	mg/L	0.010	100	80	120			
Sample ID: LCSD3-34167	17	Laboratory Control Sample Duplicate				Run: ICPMS4-C_120705A			07/05/12 14:17	
Antimony		0.53	mg/L	0.0010	106	80	120			
Arsenic		0.47	mg/L	0.0010	93	80	120			
Barium		0.50	mg/L	0.050	100	80	120			
Beryllium		0.28	mg/L	0.0010	113	80	120			
Cadmium		0.26	mg/L	0.0010	103	80	120			
Chromium		0.50	mg/L	0.0050	101	80	120			
Copper		0.51	mg/L	0.0050	103	80	120			
Lead		0.52	mg/L	0.0010	105	80	120			
Manganese		2.5	mg/L	0.0010	102	80	120			
Molybdenum		0.51	mg/L	0.0010	101	80	120			
Nickel		0.49	mg/L	0.0050	98	80	120			
Selenium		0.48	mg/L	0.0010	96	80	120			
Silver		0.052	mg/L	0.0010	104	80	120			
Thallium		0.51	mg/L	0.00050	102	80	120			
Uranium		0.50	mg/L	0.00030	100	80	120			
Vanadium		0.51	mg/L	0.010	101	80	120			
Zinc		0.50	mg/L	0.010	100	80	120			
Sample ID: C12060238-003BDIL	17	Serial Dilution				Run: ICPMS4-C_120705A			07/05/12 14:47	
Antimony		0.0032	mg/L	0.0010		0	0		20	N
Arsenic		0.16	mg/L	0.0010		0	0	3.6	20	
Barium		0.040	mg/L	0.050		0	0		20	
Beryllium		0.0029	mg/L	0.0010		0	0		20	N
Cadmium		ND	mg/L	0.0010		0	0		20	
Chromium		ND	mg/L	0.011		0	0		20	
Copper		0.19	mg/L	0.0050		0	0	5.9	20	
Lead		0.016	mg/L	0.0010		0	0	1.4	20	
Manganese		0.22	mg/L	0.0016		0	0	0.8	20	
Molybdenum		0.0036	mg/L	0.0010		0	0		20	N
Nickel		0.19	mg/L	0.0050		0	0	4.3	20	
Selenium		0.0016	mg/L	0.0010		0	0		20	N
Silver		ND	mg/L	0.0010		0	0		20	
Thallium		ND	mg/L	0.00050		0	0		20	
Uranium		0.24	mg/L	0.00052		0	0	2.6	20	
Vanadium		0.0092	mg/L	0.010		0	0		20	N
Zinc		0.19	mg/L	0.010		0	0	44	20	R

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

R - RPD exceeds advisory limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 34167
Sample ID: C12060238-003BMS3	17	Sample Matrix Spike				Run: ICPMS4-C_120705A				07/05/12 14:51
Antimony		0.54	mg/L	0.0010	108	75	125			
Arsenic		0.62	mg/L	0.0010	94	75	125			
Barium		0.55	mg/L	0.050	102	75	125			
Beryllium		0.29	mg/L	0.0010	114	75	125			
Cadmium		0.26	mg/L	0.0010	106	75	125			
Chromium		0.51	mg/L	0.0050	101	75	125			
Copper		0.68	mg/L	0.0050	99	75	125			
Lead		0.54	mg/L	0.0010	104	75	125			
Manganese		2.8	mg/L	0.0010	105	75	125			
Molybdenum		0.51	mg/L	0.0010	102	75	125			
Nickel		0.67	mg/L	0.0050	99	75	125			
Selenium		0.50	mg/L	0.0010	99	75	125			
Silver		0.053	mg/L	0.0010	21	75	125			S
Thallium		0.54	mg/L	0.00050	107	75	125			
Uranium		0.77	mg/L	0.00030	105	75	125			
Vanadium		0.52	mg/L	0.010	102	75	125			
Zinc		0.57	mg/L	0.010	90	75	125			

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW7470A								Analytical Run: CVAA_C203_120703A		
Sample ID: ICV		Initial Calibration Verification Standard							07/03/12 09:44	
Mercury		0.00506	mg/L	0.00010	101	90	110			
Method: SW7470A									Batch: 34179	
Sample ID: MB-34179		Method Blank				Run: CVAA_C203_120703A			07/03/12 11:22	
Mercury		ND	mg/L	3E-05						
Sample ID: LCSD-34179		Laboratory Control Sample Duplicate				Run: CVAA_C203_120703A			07/03/12 11:25	
Mercury		0.0053	mg/L	0.0020	105	85	115	11	10	R
Sample ID: LCS-34179		Laboratory Control Sample				Run: CVAA_C203_120703A			07/03/12 11:27	
Mercury		0.0047	mg/L	0.0020	95	85	115			
Sample ID: C12060238-003BDIL		Serial Dilution				Run: CVAA_C203_120703A			07/03/12 11:29	
Mercury		ND	mg/L	0.0020					10	
Sample ID: C12060238-003BMS		Sample Matrix Spike				Run: CVAA_C203_120703A			07/03/12 11:31	
Mercury		0.0050	mg/L	0.0020	99	85	115			

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW7471A								Analytical Run: CVAA_C203_120615A		
Sample ID: ICV		Initial Calibration Verification Standard							06/15/12 14:03	
Mercury		0.0049	mg/kg	0.050	97	90	110			
Method: SW7471A									Batch: 33964	
Sample ID: MB-33964		Method Blank				Run: CVAA_C203_120615A			06/15/12 14:05	
Mercury		ND	mg/kg	0.004						
Sample ID: LFB-33964		Laboratory Fortified Blank				Run: CVAA_C203_120615A			06/15/12 14:07	
Mercury		0.99	mg/kg	0.050	108	80	120			
Sample ID: C12060238-001BDIL		Serial Dilution				Run: CVAA_C203_120615A			06/15/12 14:11	
Mercury		ND	mg/kg-dry	0.050					20	
Sample ID: C12060238-006BMS		Sample Matrix Spike				Run: CVAA_C203_120615A			06/15/12 14:18	
Mercury		0.84	mg/kg-dry	0.050	97	85	115			
Sample ID: C12060238-006BMSD		Sample Matrix Spike Duplicate				Run: CVAA_C203_120615A			06/15/12 14:20	
Mercury		0.85	mg/kg-dry	0.050	99	85	115	1.4	20	
Method: SW7471A								Analytical Run: CVAA_C203_120629A		
Sample ID: ICV		Initial Calibration Verification Standard							06/29/12 11:27	
Mercury		0.0047	mg/kg	0.050	94	90	110			
Method: SW7471A									Batch: 34141	
Sample ID: MB-34141		Method Blank				Run: CVAA_C203_120629A			06/29/12 11:30	
Mercury		ND	mg/kg	0.004						
Sample ID: LFB-34141		Laboratory Fortified Blank				Run: CVAA_C203_120629A			06/29/12 11:31	
Mercury		0.96	mg/kg	0.050	98	80	120			
Sample ID: LCS3-34141		Laboratory Control Sample				Run: CVAA_C203_120629A			06/29/12 11:33	
Mercury		4.5	mg/kg	0.20	90	70.8	127			
Sample ID: C12060238-003DDIL		Serial Dilution				Run: CVAA_C203_120629A			06/29/12 11:35	
Mercury		ND	mg/kg-dry	0.050					20	
Sample ID: C12060238-003DMS		Sample Matrix Spike				Run: CVAA_C203_120629A			06/29/12 11:37	
Mercury		1.0	mg/kg-dry	0.050	105	85	115			
Sample ID: C12060238-003DMSD		Sample Matrix Spike Duplicate				Run: CVAA_C203_120629A			06/29/12 11:38	
Mercury		1.0	mg/kg-dry	0.050	105	85	115	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/10/12

Project: Daneros **Work Order:** C12060238

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW9045D										Batch: 33895
Sample ID: C12060238-001BDUP		Sample Duplicate				Run: ORION 3 STAR PH_120607A			06/07/12 11:19	
Corrosivity - pH		7.34	s.u.	0.010				1.5	10	
Sample ID: LCS1-33895		Laboratory Control Sample				Run: ORION 3 STAR PH_120607A			06/07/12 11:19	
Corrosivity - pH		7.08	s.u.	0.010	100	90	110			
Method: SW9045D										Batch: 34121
Sample ID: C12060238-003DDUP		Sample Duplicate				Run: ORION 3 STAR PH_120627A			06/27/12 15:43	
Corrosivity - pH		7.29	s.u.	0.010				0.7	10	
Sample ID: LCS1-34121		Laboratory Control Sample				Run: ORION 3 STAR PH_120627A			06/27/12 15:43	
Corrosivity - pH		7.12	s.u.	0.010	100	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

Standard Reporting Procedures

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Workorder Receipt Checklist

Denison Mines USA Corp C12060238

Login completed by: Timothy I.. Houghteling
Date Received: 6/5/2012
Reviewed by: BL2000\swaldrop
Received by: th
Reviewed Date: 7/29/2012
Carrier name: NDA

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	19.0°C No Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

ENERGY LABORATORIES

PLEASE PRINT- Provide as much information as possible.

Page ____ of ____

Company Name: Denison mines

Report Mail Address: 1050 17th street suite 950 Denver, CO

Invoice Address: " "

Project Name, PWS, Permit, Etc.: Daneros Soil Samples

Contact Name: Christy Woodward

Phone/Fax: 303-389-4136

Email:

Invoice Contact & Phone: " "

Sample Origin State: UT

EPA/State Compliance: Yes ☑ No ☐

Sampler: (Please Print) Kirk Flannery

Purchase Order:

Quote/Bottle Order: 3776

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

- ☐ DW
- ☐ GSA
- ☐ POTW/WWTP
- ☐ State: _____
- ☐ Other: _____
- ☐ A2LA
- ☐ EDD/EDT (Electronic Data) Format: _____
- ☐ LEVEL IV
- ☐ NELAC

Number of Containers
Sample Type: A W S V B O
Air Water Soils/Solids Vegetation Bioassay Other

ANALYSIS REQUESTED

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page

Comments: 3 Separate samples for each location

Shipped by: UPS-NDA

Cooler ID(s): Buckets

Receipt Temp: 19.0 °C

On Ice: Yes (No)

Custody Seal Y (N)
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	3776	3776										
1	Waste Rock	6-4-12	0930	Soil/Rock	X											
2	ORE	6-4-12	1145	Soil/Rock		X										
3																
4																
5																
6																
7																
8																
9																
10																

LABORATORY USE ONLY

C1206 0238

Custody Record MUST be Signed

Relinquished by (print): Flannery Date/Time: 6-4-12 1515 Signature:

Received by (print): Date/Time: Signature:

Relinquished by (print): Date/Time: Signature:

Received by (print): Date/Time: Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

Received by Laboratory: Date/Time: 6-5-12 / 938 Signature: T. Houghteling

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

08-05-12;02:57PM;White Mesa Mill Blanding, Ut ;435 678 2224 # 2/

ANALYTICAL SUMMARY REPORT

August 13, 2012

Denison Mines USA Corp
1050 17th St Ste 950
Denver, CO 80265

Workorder No.: C12060953

Project Name: Daneros Proposed Site Stockpiles

Energy Laboratories, Inc. Casper WY received the following 5 samples for Denison Mines USA Corp on 6/22/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12060953-001	Area 76 (South)	06/09/12 10:46	06/22/12	Soil	Metals by ICP/ICPMS, Total Mercury, Total Percent Moisture Digestion, Total Metals Digestion For RadioChemistry CVAA Permanganate Digest Radium 226 Radium 228 Thorium, Isotopic
C12060953-002	Area 157 (South)	06/09/12 11:50	06/22/12	Soil	Same As Above
C12060953-003	Area 38 (Bullseye)	06/09/12 8:15	06/22/12	Soil	Same As Above
C12060953-004	Area 68 (Bullseye)	06/09/12 8:04	06/22/12	Soil	Same As Above
C12060953-005	Area 60 (Bullseye)	06/09/12 8:10	06/22/12	Soil	Same As Above

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

CLIENT: Denison Mines USA Corp
Project: Daneros Proposed Site Stockpiles
Sample Delivery Group: C12060953

Report Date: 08/13/12

CASE NARRATIVE

TOTAL METALS ANALYSIS
Per client, the following protocol was followed for total metals anaysis:
- o Crush entire sample to -60 mesh
- o Split a subsample of 100 grams
- o Pulverize the 100 gram subsample to -150 mesh
- o Split out 10 gram subsample
- o Digest entire 10 gram subsample for ICP analysis

PREP COMMENTS
The prep hold time for Mercury analysis was exceeded by 37.0 days.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS
Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:
USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001, Radiochemical WY200002; Utah: WY00002; Virginia: 00057; Washington: C836

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Proposed Site Stockpiles
Lab ID: C12060953-001
Client Sample ID: Area 76 (South)

Report Date: 08/13/12
Collection Date: 06/09/12 10:46
DateReceived: 06/22/12
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	0.3	%		0.1		D2974	06/25/12 10:35 / jes
METALS - TOTAL							
Aluminum	6510	mg/kg-dry	D	5.8		SW6010B	07/12/12 23:43 / sf
Antimony	ND	mg/kg-dry		0.5		SW6020	08/03/12 09:28 / cp
Arsenic	68.1	mg/kg-dry		0.5		SW6020	07/30/12 23:49 / cp
Barium	125	mg/kg-dry	D	1.4		SW6010B	07/12/12 23:43 / sf
Beryllium	0.7	mg/kg-dry		0.5		SW6010B	07/12/12 23:43 / sf
Boron	ND	mg/kg-dry		5.0		SW6020	07/30/12 23:49 / cp
Cadmium	ND	mg/kg-dry		0.5		SW6020	07/30/12 23:49 / cp
Calcium	11600	mg/kg-dry	D	31.0		SW6010B	07/12/12 23:43 / sf
Chromium	9.2	mg/kg-dry		0.5		SW6010B	07/25/12 15:42 / sf
Cobalt	61.9	mg/kg-dry		0.5		SW6010B	07/12/12 23:43 / sf
Copper	1370	mg/kg-dry	D	1.6		SW6010B	07/12/12 23:43 / sf
Iron	18000	mg/kg-dry	D	2.8		SW6010B	07/25/12 15:42 / sf
Lead	26.3	mg/kg-dry		0.5		SW6020	07/30/12 23:49 / cp
Lithium	13.4	mg/kg-dry		10.0		SW6010B	07/12/12 23:43 / sf
Magnesium	6270	mg/kg-dry	D	27.8		SW6010B	07/12/12 23:43 / sf
Manganese	533	mg/kg-dry		0.5		SW6010B	07/12/12 23:43 / sf
Mercury	ND	mg/kg-dry		0.05		SW7471A	08/13/12 13:03 / jrm
Molybdenum	10.5	mg/kg-dry	D	2.6		SW6010B	07/25/12 15:42 / sf
Nickel	39.4	mg/kg-dry		0.5		SW6010B	07/12/12 23:43 / sf
Phosphorus	383	mg/kg-dry		10.0		SW6010B	07/12/12 23:43 / sf
Potassium	1440	mg/kg-dry	D	46.0		SW6010B	07/12/12 23:43 / sf
Selenium	ND	mg/kg-dry		0.5		SW6020	07/30/12 23:49 / cp
Silica	4520	mg/kg-dry		10.7		SW6020	07/30/12 23:49 / cp
Silver	ND	mg/kg-dry		0.5		SW6010B	07/25/12 15:42 / sf
Sodium	193	mg/kg-dry	D	36.3		SW6010B	07/16/12 16:05 / sf
Strontium	25.3	mg/kg-dry		0.5		SW6010B	07/12/12 23:43 / sf
Thallium	0.8	mg/kg-dry		0.5		SW6020	07/30/12 23:49 / cp
Tin	1.4	mg/kg-dry	B	0.5		SW6020	08/03/12 09:28 / cp
Titanium	89.0	mg/kg-dry		0.5		SW6010B	07/25/12 15:42 / sf
Uranium	206	mg/kg-dry		0.5		SW6020	07/30/12 23:49 / cp
Vanadium	14.5	mg/kg-dry		0.5		SW6020	07/30/12 23:49 / cp
Zinc	192	mg/kg-dry	D	3.7		SW6010B	07/12/12 23:43 / sf
RADIONUCLIDES							
Radium 226	36.1	pCi/g-dry				E903.0	07/16/12 23:50 / trs
Radium 226 precision (±)	0.4	pCi/g-dry				E903.0	07/16/12 23:50 / trs
Radium 226 MDC	0.02	pCi/g-dry				E903.0	07/16/12 23:50 / trs
Radium 228	0.4	pCi/g-dry				RA-05	07/09/12 20:26 / gb
Radium 228 precision (±)	0.1	pCi/g-dry				RA-05	07/09/12 20:26 / gb
Radium 228 MDC	0.2	pCi/g-dry				RA-05	07/09/12 20:26 / gb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - The analyte was detected in the method blank.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Proposed Site Stockpiles
Lab ID: C12060953-001
Client Sample ID: Area 76 (South)

Report Date: 08/13/12
Collection Date: 06/09/12 10:46
DateReceived: 06/22/12
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES							
Thorium 228	0.4	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 228 precision (±)	0.3	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 228 MDC	0.4	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 230	60	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 230 precision (±)	9.2	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 230 MDC	0.3	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 232	0.4	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 232 precision (±)	0.3	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 232 MDC	0.4	pCi/g-dry				E908.0	07/21/12 16:00 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Proposed Site Stockpiles
Lab ID: C12060953-002
Client Sample ID: Area 157 (South)

Report Date: 08/13/12
Collection Date: 06/09/12 11:50
DateReceived: 06/22/12
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	0.3	%		0.1		D2974	06/25/12 10:37 / jes
METALS - TOTAL							
Aluminum	9040	mg/kg-dry	D	5.7		SW6010B	07/12/12 23:47 / sf
Antimony	ND	mg/kg-dry		0.5		SW6020	08/03/12 09:37 / cp
Arsenic	41.4	mg/kg-dry		0.5		SW6020	07/30/12 23:57 / cp
Barium	178	mg/kg-dry	D	1.4		SW6010B	07/12/12 23:47 / sf
Beryllium	0.7	mg/kg-dry		0.5		SW6010B	07/12/12 23:47 / sf
Boron	ND	mg/kg-dry		5.0		SW6020	07/30/12 23:57 / cp
Cadmium	ND	mg/kg-dry		0.5		SW6020	07/30/12 23:57 / cp
Calcium	5820	mg/kg-dry	D	30.9		SW6010B	07/12/12 23:47 / sf
Chromium	9.3	mg/kg-dry		0.5		SW6010B	07/25/12 15:46 / sf
Cobalt	41.1	mg/kg-dry		0.5		SW6010B	07/12/12 23:47 / sf
Copper	3060	mg/kg-dry	D	1.6		SW6010B	07/12/12 23:47 / sf
Iron	17500	mg/kg-dry	D	5.5		SW6010B	07/12/12 23:47 / sf
Lead	38.3	mg/kg-dry		0.5		SW6020	07/30/12 23:57 / cp
Lithium	13.9	mg/kg-dry		10.0		SW6010B	07/12/12 23:47 / sf
Magnesium	2510	mg/kg-dry	D	27.7		SW6010B	07/12/12 23:47 / sf
Manganese	268	mg/kg-dry		0.5		SW6010B	07/12/12 23:47 / sf
Mercury	ND	mg/kg-dry		0.05		SW7471A	08/13/12 13:11 / jrm
Molybdenum	8.2	mg/kg-dry	D	2.6		SW6010B	07/25/12 15:46 / sf
Nickel	26.6	mg/kg-dry		0.5		SW6010B	07/12/12 23:47 / sf
Phosphorus	125	mg/kg-dry		10.0		SW6010B	07/12/12 23:47 / sf
Potassium	1650	mg/kg-dry	D	45.8		SW6010B	07/12/12 23:47 / sf
Selenium	ND	mg/kg-dry		0.5		SW6020	07/30/12 23:57 / cp
Silica	5330	mg/kg-dry		10.7		SW6020	07/30/12 23:57 / cp
Silver	ND	mg/kg-dry		0.5		SW6010B	07/25/12 15:46 / sf
Sodium	449	mg/kg-dry	D	276		SW6010B	07/12/12 23:47 / sf
Strontium	73.1	mg/kg-dry		0.5		SW6010B	07/12/12 23:47 / sf
Thallium	ND	mg/kg-dry		0.5		SW6020	07/30/12 23:57 / cp
Tin	1.4	mg/kg-dry	B	0.5		SW6020	08/03/12 09:37 / cp
Titanium	21.3	mg/kg-dry		0.5		SW6010B	07/25/12 15:46 / sf
Uranium	240	mg/kg-dry		0.5		SW6020	07/30/12 23:57 / cp
Vanadium	27.0	mg/kg-dry		0.5		SW6020	07/30/12 23:57 / cp
Zinc	120	mg/kg-dry	D	3.7		SW6010B	07/12/12 23:47 / sf
RADIONUCLIDES							
Radium 226	110	pCi/g-dry				E903.0	07/16/12 23:50 / trs
Radium 226 precision (±)	0.7	pCi/g-dry				E903.0	07/16/12 23:50 / trs
Radium 226 MDC	0.02	pCi/g-dry				E903.0	07/16/12 23:50 / trs
Radium 228	0.9	pCi/g-dry				RA-05	07/09/12 20:26 / gb
Radium 228 precision (±)	0.1	pCi/g-dry				RA-05	07/09/12 20:26 / gb
Radium 228 MDC	0.1	pCi/g-dry				RA-05	07/09/12 20:26 / gb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - The analyte was detected in the method blank.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Proposed Site Stockpiles
Lab ID: C12060953-002
Client Sample ID: Area 157 (South)

Report Date: 08/13/12
Collection Date: 06/09/12 11:50
DateReceived: 06/22/12
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES							
Thorium 228	0.7	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 228 precision (±)	0.3	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 228 MDC	0.4	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 230	117	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 230 precision (±)	18	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 230 MDC	0.4	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 232	0.3	pCi/g-dry	U			E908.0	07/21/12 16:00 / dmf
Thorium 232 precision (±)	0.2	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 232 MDC	0.4	pCi/g-dry				E908.0	07/21/12 16:00 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Proposed Site Stockpiles
Lab ID: C12060953-003
Client Sample ID: Area 38 (Bullseye)

Report Date: 08/13/12
Collection Date: 06/09/12 08:15
DateReceived: 06/22/12
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	1.0	%		0.1		D2974	06/25/12 10:38 / jes
METALS - TOTAL							
Aluminum	12800	mg/kg-dry	D	5.8		SW6010B	07/13/12 00:03 / sf
Antimony	ND	mg/kg-dry		0.5		SW6020	08/03/12 09:41 / cp
Arsenic	26.7	mg/kg-dry		0.5		SW6020	07/31/12 00:02 / cp
Barium	60.4	mg/kg-dry	D	0.7		SW6010B	07/25/12 15:50 / sf
Beryllium	1.8	mg/kg-dry		0.5		SW6010B	07/13/12 00:03 / sf
Boron	ND	mg/kg-dry		5.0		SW6020	07/31/12 00:02 / cp
Cadmium	ND	mg/kg-dry		0.5		SW6020	07/31/12 00:02 / cp
Calcium	1710	mg/kg-dry	D	31.3		SW6010B	07/13/12 00:03 / sf
Chromium	18.1	mg/kg-dry		0.5		SW6010B	07/25/12 15:50 / sf
Cobalt	15.8	mg/kg-dry		0.5		SW6010B	07/13/12 00:03 / sf
Copper	42.7	mg/kg-dry	D	1.6		SW6010B	07/13/12 00:03 / sf
Iron	10900	mg/kg-dry	D	5.6		SW6010B	07/13/12 00:03 / sf
Lead	26.4	mg/kg-dry		0.5		SW6020	07/31/12 00:02 / cp
Lithium	30.4	mg/kg-dry		10.0		SW6010B	07/13/12 00:03 / sf
Magnesium	2060	mg/kg-dry	D	28.0		SW6010B	07/13/12 00:03 / sf
Manganese	75.0	mg/kg-dry		0.5		SW6010B	07/13/12 00:03 / sf
Mercury	ND	mg/kg-dry		0.05		SW7471A	08/13/12 13:13 / jrm
Molybdenum	1.6	mg/kg-dry		0.5		SW6020	07/31/12 00:02 / cp
Nickel	23.1	mg/kg-dry		0.5		SW6010B	07/13/12 00:03 / sf
Phosphorus	28.4	mg/kg-dry		10.0		SW6010B	07/13/12 00:03 / sf
Potassium	950	mg/kg-dry	D	46.3		SW6010B	07/13/12 00:03 / sf
Selenium	2.2	mg/kg-dry		0.5		SW6020	07/31/12 00:02 / cp
Silica	5040	mg/kg-dry		10.7		SW6020	07/31/12 00:02 / cp
Silver	ND	mg/kg-dry		0.5		SW6010B	07/25/12 15:50 / sf
Sodium	2170	mg/kg-dry	D	279		SW6010B	07/13/12 00:03 / sf
Strontium	106	mg/kg-dry		0.5		SW6010B	07/13/12 00:03 / sf
Thallium	1.5	mg/kg-dry		0.5		SW6020	07/31/12 00:02 / cp
Tin	1.6	mg/kg-dry	B	0.5		SW6020	08/03/12 09:41 / cp
Titanium	9.2	mg/kg-dry		0.5		SW6010B	07/25/12 15:50 / sf
Uranium	58.1	mg/kg-dry		0.5		SW6020	07/31/12 00:02 / cp
Vanadium	22.2	mg/kg-dry		0.5		SW6020	07/31/12 00:02 / cp
Zinc	16.7	mg/kg-dry	D	3.7		SW6010B	07/13/12 00:03 / sf
RADIONUCLIDES							
Radium 226	9.1	pCi/g-dry				E903.0	07/17/12 01:32 / trs
Radium 226 precision (±)	0.2	pCi/g-dry				E903.0	07/17/12 01:32 / trs
Radium 226 MDC	0.02	pCi/g-dry				E903.0	07/17/12 01:32 / trs
Radium 228	0.6	pCi/g-dry				RA-05	07/09/12 20:26 / gb
Radium 228 precision (±)	0.1	pCi/g-dry				RA-05	07/09/12 20:26 / gb
Radium 228 MDC	0.2	pCi/g-dry				RA-05	07/09/12 20:26 / gb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - The analyte was detected in the method blank.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Proposed Site Stockpiles
Lab ID: C12060953-003
Client Sample ID: Area 38 (Bullseye)

Report Date: 08/13/12
Collection Date: 06/09/12 08:15
DateReceived: 06/22/12
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES							
Thorium 228	0.8	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 228 precision (±)	0.3	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 228 MDC	0.3	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 230	8.4	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 230 precision (±)	1.5	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 230 MDC	0.3	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 232	0.2	pCi/g-dry	U			E908.0	07/21/12 16:00 / dmf
Thorium 232 precision (±)	0.2	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 232 MDC	0.3	pCi/g-dry				E908.0	07/21/12 16:00 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Proposed Site Stockpiles
Lab ID: C12060953-004
Client Sample ID: Area 68 (Bullseye)

Report Date: 08/13/12
Collection Date: 06/09/12 08:04
DateReceived: 06/22/12
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	0.3	%		0.1		D2974	06/25/12 10:39 / jes
METALS - TOTAL							
Aluminum	4780	mg/kg-dry	D	5.8		SW6010B	07/13/12 00:07 / sf
Antimony	ND	mg/kg-dry		0.5		SW6020	08/03/12 09:50 / cp
Arsenic	4.2	mg/kg-dry		0.5		SW6020	07/31/12 00:06 / cp
Barium	254	mg/kg-dry	D	1.4		SW6010B	07/13/12 15:42 / sf
Beryllium	ND	mg/kg-dry		0.5		SW6010B	07/13/12 00:07 / sf
Boron	ND	mg/kg-dry		5.0		SW6020	07/31/12 00:06 / cp
Cadmium	ND	mg/kg-dry		0.5		SW6020	07/31/12 00:06 / cp
Calcium	23900	mg/kg-dry	D	31.0		SW6010B	07/13/12 00:07 / sf
Chromium	4.6	mg/kg-dry		0.5		SW6010B	07/25/12 15:54 / sf
Cobalt	3.7	mg/kg-dry		0.5		SW6010B	07/13/12 00:07 / sf
Copper	59.9	mg/kg-dry	D	1.6		SW6010B	07/13/12 00:07 / sf
Iron	5900	mg/kg-dry	D	5.6		SW6010B	07/13/12 00:07 / sf
Lead	5.4	mg/kg-dry		0.5		SW6020	07/31/12 00:06 / cp
Lithium	ND	mg/kg-dry		10.0		SW6010B	07/13/12 00:07 / sf
Magnesium	6570	mg/kg-dry	D	27.7		SW6010B	07/13/12 00:07 / sf
Manganese	298	mg/kg-dry		0.5		SW6010B	07/13/12 00:07 / sf
Mercury	ND	mg/kg-dry		0.05		SW7471A	08/13/12 13:14 / jrm
Molybdenum	ND	mg/kg-dry		0.5		SW6020	07/31/12 00:06 / cp
Nickel	5.3	mg/kg-dry		0.5		SW6010B	07/13/12 00:07 / sf
Phosphorus	215	mg/kg-dry		10.0		SW6010B	07/13/12 00:07 / sf
Potassium	1600	mg/kg-dry	D	45.9		SW6010B	07/13/12 00:07 / sf
Selenium	ND	mg/kg-dry		0.5		SW6020	07/31/12 00:06 / cp
Silica	4990	mg/kg-dry		10.7		SW6020	07/31/12 00:06 / cp
Silver	ND	mg/kg-dry		0.5		SW6010B	07/25/12 15:54 / sf
Sodium	ND	mg/kg-dry	D	276		SW6010B	07/13/12 15:42 / sf
Strontium	92.1	mg/kg-dry		0.5		SW6010B	07/13/12 00:07 / sf
Thallium	ND	mg/kg-dry		0.5		SW6020	07/31/12 00:06 / cp
Tin	0.9	mg/kg-dry	B	0.5		SW6020	08/03/12 09:50 / cp
Titanium	29.8	mg/kg-dry		0.5		SW6010B	07/25/12 15:54 / sf
Uranium	8.8	mg/kg-dry		0.5		SW6020	07/31/12 00:06 / cp
Vanadium	8.9	mg/kg-dry		0.5		SW6020	07/31/12 00:06 / cp
Zinc	31.5	mg/kg-dry	D	3.7		SW6010B	07/13/12 00:07 / sf
RADIONUCLIDES							
Radium 226	2.0	pCi/g-dry				E903.0	07/17/12 01:32 / trs
Radium 226 precision (±)	0.09	pCi/g-dry				E903.0	07/17/12 01:32 / trs
Radium 226 MDC	0.02	pCi/g-dry				E903.0	07/17/12 01:32 / trs
Radium 228	0.2	pCi/g-dry				RA-05	07/09/12 20:26 / gb
Radium 228 precision (±)	0.1	pCi/g-dry				RA-05	07/09/12 20:26 / gb
Radium 228 MDC	0.1	pCi/g-dry				RA-05	07/09/12 20:26 / gb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - The analyte was detected in the method blank.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Proposed Site Stockpiles
Lab ID: C12060953-004
Client Sample ID: Area 68 (Bullseye)

Report Date: 08/13/12
Collection Date: 06/09/12 08:04
DateReceived: 06/22/12
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES							
Thorium 228	0.2	pCi/g-dry	U			E908.0	07/21/12 16:00 / dmf
Thorium 228 precision (±)	0.2	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 228 MDC	0.3	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 230	1.9	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 230 precision (±)	0.6	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 230 MDC	0.3	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 232	0.2	pCi/g-dry	U			E908.0	07/21/12 16:00 / dmf
Thorium 232 precision (±)	0.2	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 232 MDC	0.3	pCi/g-dry				E908.0	07/21/12 16:00 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Proposed Site Stockpiles
Lab ID: C12060953-005
Client Sample ID: Area 60 (Bullseye)

Report Date: 08/13/12
Collection Date: 06/09/12 08:10
DateReceived: 06/22/12
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Moisture	0.1	%		0.1		D2974	06/25/12 10:41 / jes
METALS - TOTAL							
Aluminum	5980	mg/kg-dry	D	5.7		SW6010B	07/13/12 00:23 / sf
Antimony	ND	mg/kg-dry		0.5		SW6020	08/03/12 09:45 / cp
Arsenic	5.6	mg/kg-dry		0.5		SW6020	07/31/12 00:41 / cp
Barium	117	mg/kg-dry	D	1.4		SW6010B	07/13/12 15:58 / sf
Beryllium	ND	mg/kg-dry		0.5		SW6010B	07/13/12 00:23 / sf
Boron	ND	mg/kg-dry		5.0		SW6020	07/31/12 00:41 / cp
Cadmium	ND	mg/kg-dry		0.5		SW6020	07/31/12 00:41 / cp
Calcium	14500	mg/kg-dry	D	30.8		SW6010B	07/13/12 00:23 / sf
Chromium	7.0	mg/kg-dry		0.5		SW6010B	07/25/12 16:10 / sf
Cobalt	7.9	mg/kg-dry		0.5		SW6010B	07/13/12 00:23 / sf
Copper	111	mg/kg-dry	D	1.6		SW6010B	07/13/12 00:23 / sf
Iron	7460	mg/kg-dry	D	5.5		SW6010B	07/13/12 00:23 / sf
Lead	7.8	mg/kg-dry		0.5		SW6020	07/31/12 00:41 / cp
Lithium	ND	mg/kg-dry		10.0		SW6010B	07/13/12 00:23 / sf
Magnesium	7540	mg/kg-dry	D	27.6		SW6010B	07/13/12 00:23 / sf
Manganese	314	mg/kg-dry		0.5		SW6010B	07/13/12 00:23 / sf
Mercury	ND	mg/kg-dry		0.05		SW7471A	08/13/12 13:15 / jrm
Molybdenum	0.8	mg/kg-dry		0.5		SW6020	07/31/12 00:41 / cp
Nickel	8.4	mg/kg-dry		0.5		SW6010B	07/13/12 00:23 / sf
Phosphorus	273	mg/kg-dry		10.0		SW6010B	07/13/12 00:23 / sf
Potassium	1760	mg/kg-dry	D	45.7		SW6010B	07/13/12 00:23 / sf
Selenium	ND	mg/kg-dry		0.5		SW6020	07/31/12 00:41 / cp
Silica	5370	mg/kg-dry		10.7		SW6020	07/31/12 00:41 / cp
Silver	ND	mg/kg-dry		0.5		SW6010B	07/25/12 16:10 / sf
Sodium	65.9	mg/kg-dry	D	36.1		SW6010B	07/16/12 16:33 / sf
Strontium	37.5	mg/kg-dry		0.5		SW6010B	07/13/12 00:23 / sf
Thallium	ND	mg/kg-dry		0.5		SW6020	07/31/12 00:41 / cp
Tin	1.2	mg/kg-dry	B	0.5		SW6020	08/03/12 09:45 / cp
Titanium	39.8	mg/kg-dry		0.5		SW6010B	07/25/12 16:10 / sf
Uranium	6.1	mg/kg-dry		0.5		SW6020	07/31/12 00:41 / cp
Vanadium	9.5	mg/kg-dry		0.5		SW6020	07/31/12 00:41 / cp
Zinc	50.7	mg/kg-dry	D	3.7		SW6010B	07/13/12 00:23 / sf
RADIONUCLIDES							
Radium 226	9.8	pCi/g-dry				E903.0	07/17/12 01:32 / trs
Radium 226 precision (±)	0.2	pCi/g-dry				E903.0	07/17/12 01:32 / trs
Radium 226 MDC	0.02	pCi/g-dry				E903.0	07/17/12 01:32 / trs
Radium 228	0.2	pCi/g-dry				RA-05	07/09/12 20:26 / gb
Radium 228 precision (±)	0.09	pCi/g-dry				RA-05	07/09/12 20:26 / gb
Radium 228 MDC	0.1	pCi/g-dry				RA-05	07/09/12 20:26 / gb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - The analyte was detected in the method blank.
U - Not detected at minimum detectable concentration

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Proposed Site Stockpiles
Lab ID: C12060953-005
Client Sample ID: Area 60 (Bullseye)

Report Date: 08/13/12
Collection Date: 06/09/12 08:10
DateReceived: 06/22/12
Matrix: Soil

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES							
Thorium 228	0.2	pCi/g-dry	U			E908.0	07/21/12 16:00 / dmf
Thorium 228 precision (±)	0.2	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 228 MDC	0.3	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 230	9.7	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 230 precision (±)	1.7	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 230 MDC	0.3	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 232	0.3	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 232 precision (±)	0.2	pCi/g-dry				E908.0	07/21/12 16:00 / dmf
Thorium 232 MDC	0.3	pCi/g-dry				E908.0	07/21/12 16:00 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 08/13/12
Project: Daneros Proposed Site Stockpiles
Work Order: C12060953

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: R162070
Sample ID: MB-34057	3	Method Blank				Run: BERTHOLD 770-1_120629D				07/16/12 22:09
Radium 226		0.003	pCi/g-dry							U
Radium 226 precision (±)		0.005	pCi/g-dry							
Radium 226 MDC		0.007	pCi/g-dry							
Sample ID: LCS-34057		Laboratory Control Sample				Run: BERTHOLD 770-1_120629D				07/16/12 22:09
Radium 226		0.5	pCi/g-dry		102	70	130			
Sample ID: C12060694-009AMS		Sample Matrix Spike				Run: BERTHOLD 770-1_120629D				07/16/12 23:50
Radium 226		2.6	pCi/g-dry		96	70	130			
Sample ID: C12060694-009AMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-1_120629D				07/16/12 23:50
Radium 226		2.4	pCi/g-dry		86	70	130	11	21.9	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros Proposed Site Stockpiles **Work Order:** C12060953

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E908.0										Batch: R162193
Sample ID: C12060694-009AMS		Sample Matrix Spike				Run: ALPHANALYST_120719A			07/21/12 16:00	
Thorium 228		8.2	pCi/g-dry		99	70	130			
Sample ID: C12060694-009AMSD		Sample Matrix Spike Duplicate				Run: ALPHANALYST_120719A			07/21/12 16:00	
Thorium 228		7.8	pCi/g-dry		96	70	130	5.0	46.5	
Sample ID: LCS-34057		Laboratory Control Sample				Run: ALPHANALYST_120719A			07/21/12 16:00	
Thorium 228		0.9	pCi/g-dry		88	80	120			
Sample ID: MB-34057	9	Method Blank				Run: ALPHANALYST_120719A			07/21/12 16:00	
Thorium 228		0.002	pCi/g-dry							U
Thorium 228 precision (±)		0.01	pCi/g-dry							
Thorium 228 MDC		0.03	pCi/g-dry							
Thorium 230		0.02	pCi/g-dry							U
Thorium 230 precision (±)		0.02	pCi/g-dry							
Thorium 230 MDC		0.03	pCi/g-dry							
Thorium 232		0.003	pCi/g-dry							U
Thorium 232 precision (±)		0.01	pCi/g-dry							
Thorium 232 MDC		0.03	pCi/g-dry							

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 08/13/12
Project: Daneros Proposed Site Stockpiles
Work Order: C12060953

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05										Batch: Ra228-4142
Sample ID: LCS-34117		Laboratory Control Sample				Run: TENNELEC-3_120629B			07/09/12 18:51	
Radium 228		0.2	pCi/g-dry		96	70	130			
Sample ID: MB-34057	3	Method Blank				Run: TENNELEC-3_120629B			07/09/12 18:51	
Radium 228		-0.02	pCi/g-dry							U
Radium 228 precision (±)		0.03	pCi/g-dry							
Radium 228 MDC		0.05	pCi/g-dry							
Sample ID: C12060694-009AMS		Sample Matrix Spike				Run: TENNELEC-3_120629B			07/09/12 18:51	
Radium 228		1.4	pCi/g-dry		96	70	130			
Sample ID: C12060694-009AMSD		Sample Matrix Spike Duplicate				Run: TENNELEC-3_120629B			07/09/12 18:51	
Radium 228		1.5	pCi/g-dry		108	70	130	11	38.6	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros Proposed Site Stockpiles **Work Order:** C12060953

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Analytical Run: ICP2-C_120712A	
Sample ID: ICV	16	Initial Calibration Verification Standard							07/12/12 12:29	
Aluminum		4.76	mg/L	0.10	95	95	105			
Barium		1.01	mg/L	0.10	101	95	105			
Beryllium		0.516	mg/L	0.010	103	95	105			
Calcium		50.4	mg/L	0.50	101	95	105			
Cobalt		0.988	mg/L	0.010	99	95	105			
Copper		1.00	mg/L	0.010	100	95	105			
Iron		5.07	mg/L	0.030	101	95	105			
Lithium		1.01	mg/L	0.10	101	95	105			
Magnesium		50.4	mg/L	0.50	101	95	105			
Manganese		5.15	mg/L	0.010	103	95	105			
Nickel		0.980	mg/L	0.050	98	95	105			
Phosphorus		9.99	mg/L	0.10	100	95	105			
Potassium		50.2	mg/L	2.7	100	95	105			
Sodium		52.2	mg/L	0.50	104	95	105			
Strontium		1.02	mg/L	0.10	102	95	105			
Zinc		0.986	mg/L	0.010	99	95	105			
Sample ID: ICSA	16	Interference Check Sample A							07/12/12 13:09	
Aluminum		538	mg/L	0.10	108	80	120			
Barium		-0.00100	mg/L	0.10						
Beryllium		0.000400	mg/L	0.010						
Calcium		522	mg/L	0.50	104	80	120			
Cobalt		-0.00380	mg/L	0.010						
Copper		0.00630	mg/L	0.010						
Iron		191	mg/L	0.030	95	80	120			
Lithium		0.00300	mg/L	0.10						
Magnesium		531	mg/L	0.50	106	80	120			
Manganese		-0.00320	mg/L	0.010						
Nickel		-0.00160	mg/L	0.050						
Phosphorus		0.0455	mg/L	0.10						
Potassium		-0.0129	mg/L	0.50						
Sodium		0.0236	mg/L	0.50						
Strontium		0.0312	mg/L	0.10						
Zinc		-0.00590	mg/L	0.010						
Sample ID: ICSAB	16	Interference Check Sample AB							07/12/12 13:13	
Aluminum		541	mg/L	0.10	108	80	120			
Barium		0.530	mg/L	0.10	106	80	120			
Beryllium		0.519	mg/L	0.010						
Calcium		514	mg/L	0.50	103	80	120			
Cobalt		0.495	mg/L	0.010	99	80	120			
Copper		0.545	mg/L	0.010	109	80	120			
Iron		192	mg/L	0.030	96	80	120			
Lithium		0.00300	mg/L	0.10						
Magnesium		541	mg/L	0.50	108	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros Proposed Site Stockpiles **Work Order:** C12060953

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Analytical Run: ICP2-C_120712A	
Sample ID: ICSAB	16	Interference Check Sample AB							07/12/12 13:13	
Manganese		0.527	mg/L	0.010	105	80	120			
Nickel		0.964	mg/L	0.050	96	80	120			
Phosphorus		0.0480	mg/L	0.10						
Potassium		-0.0155	mg/L	0.50						
Sodium		-0.120	mg/L	0.50						
Strontium		-0.0194	mg/L	0.10						
Zinc		1.02	mg/L	0.010	102	80	120			
Method: SW6010B										Batch: 34078
Sample ID: MB-34078	16	Method Blank				Run: ICP2-C_120712A			07/12/12 23:27	
Aluminum		0.8	mg/kg	0.6						
Barium		ND	mg/kg	0.1						
Beryllium		ND	mg/kg	0.008						
Calcium		ND	mg/kg	3						
Cobalt		ND	mg/kg	0.04						
Copper		ND	mg/kg	0.2						
Iron		2	mg/kg	0.6						
Lithium		ND	mg/kg	0.02						
Magnesium		ND	mg/kg	3						
Manganese		0.09	mg/kg	0.02						
Nickel		ND	mg/kg	0.03						
Phosphorus		1	mg/kg	0.5						
Potassium		ND	mg/kg	5						
Sodium		ND	mg/kg	30						
Strontium		ND	mg/kg	0.009						
Zinc		ND	mg/kg	0.4						
Sample ID: LFB-34078	16	Laboratory Fortified Blank				Run: ICP2-C_120712A			07/12/12 23:31	
Aluminum		140	mg/kg	5.0	110	80	120			
Barium		27	mg/kg	1.0	111	80	120			
Beryllium		14	mg/kg	1.0	110	80	120			
Calcium		1300	mg/kg	5.0	107	80	120			
Cobalt		27	mg/kg	1.0	109	80	120			
Copper		28	mg/kg	1.0	111	80	120			
Iron		140	mg/kg	5.0	109	80	120			
Lithium		28	mg/kg	1.0	113	80	120			
Magnesium		1300	mg/kg	5.0	106	80	120			
Manganese		140	mg/kg	1.0	111	80	120			
Nickel		27	mg/kg	1.0	109	80	120			
Phosphorus		260	mg/kg	5.0	104	80	120			
Potassium		1300	mg/kg	5.0	104	80	120			
Sodium		1400	mg/kg	28	116	80	120			
Strontium		28	mg/kg	1.0	112	80	120			
Zinc		27	mg/kg	1.0	109	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros Proposed Site Stockpiles **Work Order:** C12060953

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B										Batch: 34078
Sample ID: C12060953-004ADIL	16	Serial Dilution				Run: ICP2-C_120712A			07/13/12 00:11	
Aluminum		4700	mg/kg-dry	29		0	0	2.4	10	
Barium		250	mg/kg-dry	6.9		0	0	0.7	10	
Beryllium		ND	mg/kg-dry	1.0		0	0		10	
Calcium		24000	mg/kg-dry	150		0	0	1.7	10	
Cobalt		4.2	mg/kg-dry	2.1		0	0		10	N
Copper		54	mg/kg-dry	7.9		0	0		10	N
Iron		5900	mg/kg-dry	28		0	0	0.1	10	
Lithium		6.0	mg/kg-dry	1.0		0	0		10	N
Magnesium		6600	mg/kg-dry	140		0	0	1.0	10	
Manganese		290	mg/kg-dry	1.2		0	0	3.9	10	
Nickel		5.2	mg/kg-dry	1.5		0	0		10	N
Phosphorus		210	mg/kg-dry	24		0	0		10	N
Potassium		1700	mg/kg-dry	230		0	0		10	N
Sodium		ND	mg/kg-dry	1400		0	0		10	
Strontium		90	mg/kg-dry	1.0		0	0	2.6	10	
Zinc		46	mg/kg-dry	19		0	0		10	N
Sample ID: C12060953-004AMS3	16	Sample Matrix Spike				Run: ICP2-C_120712A			07/13/12 00:15	
Aluminum		9700	mg/kg-dry	5.7		75	125			A
Barium		250	mg/kg-dry	1.4		75	125			A
Beryllium		14	mg/kg-dry	1.0	111	75	125			
Calcium		26000	mg/kg-dry	31		75	125			A
Cobalt		31	mg/kg-dry	1.0	111	75	125			
Copper		92	mg/kg-dry	1.6	127	75	125			S
Iron		7600	mg/kg-dry	5.5		75	125			A
Lithium		36	mg/kg-dry	1.0	121	75	125			
Magnesium		9100	mg/kg-dry	28		75	125			A
Manganese		450	mg/kg-dry	1.0	118	75	125			
Nickel		33	mg/kg-dry	1.0	113	75	125			
Phosphorus		470	mg/kg-dry	5.0	104	75	125			
Potassium		4700	mg/kg-dry	46	247	75	125			S
Sodium		1500	mg/kg-dry	280	119	75	125			
Strontium		120	mg/kg-dry	1.0	105	75	125			
Zinc		57	mg/kg-dry	3.7	104	75	125			
Sample ID: C12060953-004AMSD	16	Sample Matrix Spike Duplicate				Run: ICP2-C_120712A			07/13/12 00:19	
Aluminum		9500	mg/kg-dry	5.8		75	125	1.8	20	A
Barium		260	mg/kg-dry	1.4		75	125	3.9	20	A
Beryllium		14	mg/kg-dry	1.0	108	75	125	2.5	20	
Calcium		25000	mg/kg-dry	31		75	125	3.3	20	A
Cobalt		31	mg/kg-dry	1.0	108	75	125	2.0	20	
Copper		89	mg/kg-dry	1.6	115	75	125	3.2	20	
Iron		7400	mg/kg-dry	5.6		75	125	2.1	20	A
Lithium		35	mg/kg-dry	1.0	117	75	125	2.4	20	
Magnesium		8900	mg/kg-dry	28		75	125	2.3	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros Proposed Site Stockpiles **Work Order:** C12060953

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Batch: 34078	
Sample ID: C12060953-004AMSD	16	Sample Matrix Spike Duplicate				Run: ICP2-C_120712A			07/13/12 00:19	
Manganese		430	mg/kg-dry	1.0	104	75	125	4.1	20	
Nickel		32	mg/kg-dry	1.0	107	75	125	3.6	20	
Phosphorus		470	mg/kg-dry	5.0	101	75	125	1.3	20	
Potassium		4500	mg/kg-dry	46	232	75	125	3.8	20	S
Sodium		1400	mg/kg-dry	280	110	75	125	7.5	20	
Strontium		120	mg/kg-dry	1.0	103	75	125	0.5	20	
Zinc		52	mg/kg-dry	3.7	83	75	125	9.6	20	
Method: SW6010B									Analytical Run: ICP2-C_120713A	
Sample ID: ICV	2	Initial Calibration Verification Standard							07/13/12 12:38	
Barium		1.00	mg/L	0.10	100	95	105			
Sodium		52.7	mg/L	0.50	105	95	105			
Sample ID: ICSA	2	Interference Check Sample A							07/13/12 13:21	
Barium		-0.000600	mg/L	0.10						
Sodium		-0.0161	mg/L	0.50						
Sample ID: ICSAB	2	Interference Check Sample AB							07/13/12 13:25	
Barium		0.534	mg/L	0.10	107	80	120			
Sodium		-0.211	mg/L	0.50						
Method: SW6010B									Batch: 34078	
Sample ID: MB-34078	2	Method Blank				Run: ICP2-C_120713A			07/13/12 15:14	
Barium		ND	mg/kg	0.1						
Sodium		ND	mg/kg	30						
Sample ID: LFB-34078	2	Laboratory Fortified Blank				Run: ICP2-C_120713A			07/13/12 15:18	
Barium		27	mg/kg	1.0	108	80	120			
Sodium		1400	mg/kg	28	117	80	120			
Sample ID: C12060953-004ADIL	2	Serial Dilution				Run: ICP2-C_120713A			07/13/12 15:46	
Barium		260	mg/kg-dry	6.9		0	0	0.4	10	
Sodium		ND	mg/kg-dry	1400		0	0		10	
Sample ID: C12060953-004AMS3	2	Sample Matrix Spike				Run: ICP2-C_120713A			07/13/12 15:50	
Barium		240	mg/kg-dry	1.4		75	125			A
Sodium		1500	mg/kg-dry	280	117	75	125			
Sample ID: C12060953-004AMSD	2	Sample Matrix Spike Duplicate				Run: ICP2-C_120713A			07/13/12 15:54	
Barium		250	mg/kg-dry	1.4		75	125	3.9	20	A
Sodium		1400	mg/kg-dry	280	112	75	125	3.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros Proposed Site Stockpiles **Work Order:** C12060953

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Analytical Run: ICP2-C_120716A	
Sample ID: ICV		Initial Calibration Verification Standard							07/16/12 11:49	
Sodium		51.4	mg/L	0.50	103	95	105			
Sample ID: ICSA		Interference Check Sample A							07/16/12 12:30	
Sodium		0.000800	mg/L	0.50						
Sample ID: ICSAB		Interference Check Sample AB							07/16/12 12:34	
Sodium		-0.177	mg/L	0.50						
Method: SW6010B									Batch: 34078	
Sample ID: MB-34078		Method Blank				Run: ICP2-C_120716A			07/16/12 15:37	
Sodium		ND	mg/kg	30						
Sample ID: LFB-34078		Laboratory Fortified Blank				Run: ICP2-C_120716A			07/16/12 15:53	
Sodium		1400	mg/kg	28	110	80	120			
Sample ID: C12060953-004ADIL		Serial Dilution				Run: ICP2-C_120716A			07/16/12 16:21	
Sodium		ND	mg/kg-dry	1400		0	0		10	
Sample ID: C12060953-004AMS3		Sample Matrix Spike				Run: ICP2-C_120716A			07/16/12 16:25	
Sodium		1300	mg/kg-dry	280	95	75	125			
Sample ID: C12060953-004AMSD		Sample Matrix Spike Duplicate				Run: ICP2-C_120716A			07/16/12 16:29	
Sodium		1300	mg/kg-dry	280	97	75	125	2.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros Proposed Site Stockpiles **Work Order:** C12060953

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Analytical Run: ICP2-C_120725A	
Sample ID: ICV	6	Initial Calibration Verification Standard							07/25/12 12:37	
Barium		1.01	mg/L	0.10	101	95	105			
Chromium		0.991	mg/L	0.050	99	95	105			
Iron		5.19	mg/L	0.030	104	95	105			
Molybdenum		1.04	mg/L	0.10	104	95	105			
Silver		0.497	mg/L	0.010	99	95	105			
Titanium		0.990	mg/L	0.10	99	95	105			
Sample ID: ICSA	6	Interference Check Sample A							07/25/12 13:17	
Barium		-0.00130	mg/L	0.10						
Chromium		0.00390	mg/L	0.050						
Iron		188	mg/L	0.030	94	80	120			
Molybdenum		-0.0227	mg/L	0.10						
Silver		-0.00110	mg/L	0.010						
Titanium		-0.00130	mg/L	0.10						
Sample ID: ICSAB	6	Interference Check Sample AB							07/25/12 13:21	
Barium		0.522	mg/L	0.10	104	80	120			
Chromium		0.495	mg/L	0.050	99	80	120			
Iron		189	mg/L	0.030	94	80	120			
Molybdenum		-0.0242	mg/L	0.10						
Silver		1.12	mg/L	0.010	112	80	120			
Titanium		-0.00140	mg/L	0.10						
Method: SW6010B									Batch: 34078	
Sample ID: MB-34078	6	Method Blank				Run: ICP2-C_120725A			07/25/12 15:14	
Barium		0.3	mg/kg	0.1						
Chromium		0.1	mg/kg	0.06						
Iron		3	mg/kg	0.6						
Molybdenum		ND	mg/kg	0.5						
Silver		ND	mg/kg	0.08						
Titanium		ND	mg/kg	0.08						
Sample ID: LFB-34078	6	Laboratory Fortified Blank				Run: ICP2-C_120725A			07/25/12 15:18	
Barium		28	mg/kg	1.0	110	80	120			
Chromium		27	mg/kg	1.0	107	80	120			
Iron		140	mg/kg	5.0	112	80	120			
Molybdenum		27	mg/kg	1.0	110	80	120			
Silver		13	mg/kg	1.0	103	80	120			
Titanium		27	mg/kg	1.0	107	80	120			
Sample ID: C12060953-004ADIL	6	Serial Dilution				Run: ICP2-C_120725A			07/25/12 15:58	
Barium		270	mg/kg-dry	3.4		0	0	1.8	10	
Chromium		5.9	mg/kg-dry	1.5		0	0		10	N
Iron		6200	mg/kg-dry	14		0	0	0.6	10	
Molybdenum		ND	mg/kg-dry	13		0	0		10	
Silver		ND	mg/kg-dry	1.9		0	0		10	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros Proposed Site Stockpiles **Work Order:** C12060953

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B										Batch: 34078
Sample ID: C12060953-004ADIL	6	Serial Dilution				Run: ICP2-C_120725A			07/25/12 15:58	
Titanium		29	mg/kg-dry	2.1		0	0	3.7	10	
Sample ID: C12060953-004AMS3	6	Sample Matrix Spike				Run: ICP2-C_120725A			07/25/12 16:02	
Barium		260	mg/kg-dry	1.0		75	125			A
Chromium		35	mg/kg-dry	1.0	121	75	125			
Iron		7900	mg/kg-dry	5.0		75	125			A
Molybdenum		23	mg/kg-dry	2.6	93	75	125			
Silver		13	mg/kg-dry	1.0	104	75	125			
Titanium		90	mg/kg-dry	1.0	242	75	125			S
Sample ID: C12060953-004AMSD	6	Sample Matrix Spike Duplicate				Run: ICP2-C_120725A			07/25/12 16:06	
Barium		270	mg/kg-dry	1.0		75	125	3.4	20	A
Chromium		35	mg/kg-dry	1.0	120	75	125	0.3	20	
Iron		7900	mg/kg-dry	5.0		75	125	0.3	20	A
Molybdenum		23	mg/kg-dry	2.6	92	75	125	0.4	20	
Silver		12	mg/kg-dry	1.0	99	75	125	4.7	20	
Titanium		88	mg/kg-dry	1.0	235	75	125	1.7	20	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros Proposed Site Stockpiles **Work Order:** C12060953

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS4-C_120730A	
Sample ID: ICV	10	Initial Calibration Verification Standard							07/30/12 13:36	
Arsenic		0.0520	mg/L	0.0010	104	90	110			
Boron		0.0541	mg/L	0.0010	108	90	110			
Cadmium		0.0521	mg/L	0.0010	104	90	110			
Lead		0.0482	mg/L	0.0010	96	90	110			
Molybdenum		0.0496	mg/L	0.0010	99	90	110			
Selenium		0.0514	mg/L	0.0010	103	90	110			
Silicon		0.994	mg/L	0.0010	99	90	110			
Thallium		0.0520	mg/L	0.0010	104	90	110			
Uranium		0.0518	mg/L	0.00030	104	90	110			
Vanadium		0.0494	mg/L	0.0010	99	90	110			
Sample ID: ICSA	10	Interference Check Sample A							07/30/12 13:40	
Arsenic		3.99E-05	mg/L	0.0010						
Boron		0.000640	mg/L	0.0010						
Cadmium		4.55E-05	mg/L	0.0010						
Lead		1.93E-05	mg/L	0.0010						
Molybdenum		0.0156	mg/L	0.0010	78	70	130			
Selenium		0.000107	mg/L	0.0010						
Silicon		0.00117	mg/L	0.0010						
Thallium		6.40E-06	mg/L	0.0010						
Uranium		2.24E-05	mg/L	0.00030						
Vanadium		2.33E-05	mg/L	0.0010						
Sample ID: ICSAB	10	Interference Check Sample AB							07/30/12 13:44	
Arsenic		0.0101	mg/L	0.0010	101	70	130			
Boron		8.04E-05	mg/L	0.0010						
Cadmium		0.00835	mg/L	0.0010	84	70	130			
Lead		5.00E-06	mg/L	0.0010						
Molybdenum		0.0155	mg/L	0.0010	77	70	130			
Selenium		1.51E-05	mg/L	0.0010						
Silicon		6.81E-05	mg/L	0.0010						
Thallium		-9.60E-06	mg/L	0.0010						
Uranium		6.70E-06	mg/L	0.00030						
Vanadium		-2.10E-06	mg/L	0.0010						
Method: SW6020									Batch: 34078	
Sample ID: MB-34078	10	Method Blank				Run: ICPMS4-C_120730A			07/30/12 23:31	
Arsenic		0.1	mg/kg	0.004						
Boron		0.2	mg/kg	0.02						
Cadmium		0.02	mg/kg	0.003						
Lead		0.007	mg/kg	0.002						
Molybdenum		0.03	mg/kg	0.002						
Selenium		0.010	mg/kg	0.003						
Silicon		1.0	mg/kg	0.2						
Thallium		ND	mg/kg	0.001						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros Proposed Site Stockpiles **Work Order:** C12060953

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 34078
Sample ID: MB-34078	10	Method Blank				Run: ICPMS4-C_120730A			07/30/12 23:31	
Uranium		0.003	mg/kg	0.001						
Vanadium		0.7	mg/kg	0.003						
Sample ID: LFB-34078	10	Laboratory Fortified Blank				Run: ICPMS4-C_120730A			07/30/12 23:36	
Arsenic		27	mg/kg	1.0	110	80	120			
Boron		28	mg/kg	1.0	112	80	120			
Cadmium		14	mg/kg	1.0	111	80	120			
Lead		27	mg/kg	1.0	108	80	120			
Molybdenum		27	mg/kg	1.0	108	80	120			
Selenium		26	mg/kg	1.0	103	80	120			
Silicon		130	mg/kg	5.0	111	80	120			
Thallium		28	mg/kg	1.0	113	80	120			
Uranium		27	mg/kg	1.0	109	80	120			
Vanadium		28	mg/kg	1.0	109	80	120			
Sample ID: C12060953-001ADIL	10	Serial Dilution				Run: ICPMS4-C_120730A			07/30/12 23:53	
Arsenic		54	mg/kg-dry	1.0		0	0	23	10	R
Boron		2.1	mg/kg-dry	1.0		0	0		10	N
Cadmium		0.39	mg/kg-dry	1.0		0	0		10	N
Lead		20	mg/kg-dry	1.0		0	0	28	10	R
Molybdenum		8.3	mg/kg-dry	1.0		0	0	22	10	R
Selenium		0.21	mg/kg-dry	1.0		0	0		10	N
Silicon		1600	mg/kg-dry	10		0	0	25	10	R
Thallium		0.61	mg/kg-dry	1.0		0	0		10	N
Uranium		160	mg/kg-dry	1.0		0	0	24	10	R
Vanadium		11	mg/kg-dry	1.0		0	0	25	10	R
Sample ID: C12060953-004AMS3	10	Sample Matrix Spike				Run: ICPMS4-C_120730A			07/31/12 00:28	
Arsenic		31	mg/kg-dry	1.0	108	75	125			
Boron		34	mg/kg-dry	1.0	126	75	125			S
Cadmium		14	mg/kg-dry	1.0	109	75	125			
Lead		33	mg/kg-dry	1.0	110	75	125			
Molybdenum		25	mg/kg-dry	1.0	99	75	125			
Selenium		25	mg/kg-dry	1.0	100	75	125			
Silicon		1900	mg/kg-dry	5.0		75	125			A
Thallium		29	mg/kg-dry	1.0	115	75	125			
Uranium		40	mg/kg-dry	1.0	126	75	125			S
Vanadium		42	mg/kg-dry	1.0	134	75	125			S
Sample ID: C12060953-004AMSD	10	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120730A			07/31/12 00:33	
Arsenic		30	mg/kg-dry	1.0	103	75	125	3.9	20	
Boron		34	mg/kg-dry	1.0	123	75	125	1.7	20	
Cadmium		13	mg/kg-dry	1.0	105	75	125	2.9	20	
Lead		32	mg/kg-dry	1.0	105	75	125	3.8	20	
Molybdenum		24	mg/kg-dry	1.0	95	75	125	3.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros Proposed Site Stockpiles **Work Order:** C12060953

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Batch: 34078	
Sample ID: C12060953-004AMSD	10	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120730A			07/31/12 00:33	
Selenium		25	mg/kg-dry	1.0	99	75	125	1.5	20	
Silicon		2000	mg/kg-dry	5.0		75	125	6.8	20	A
Thallium		28	mg/kg-dry	1.0	111	75	125	3.5	20	
Uranium		38	mg/kg-dry	1.0	119	75	125	4.2	20	
Vanadium		39	mg/kg-dry	1.0	120	75	125	8.5	20	
Method: SW6020									Analytical Run: ICPMS4-C_120802A	
Sample ID: ICV	2	Initial Calibration Verification Standard							08/02/12 14:57	
Antimony		0.0532	mg/L	0.0010	106	90	110			
Tin		0.0475	mg/L	0.0010	95	90	110			
Sample ID: ICSA	2	Interference Check Sample A							08/02/12 15:01	
Antimony		0.000864	mg/L	0.0010						
Tin		0.000620	mg/L	0.0010						
Sample ID: ICSAB	2	Interference Check Sample AB							08/02/12 15:05	
Antimony		0.000348	mg/L	0.0010						
Tin		0.000268	mg/L	0.0010						
Method: SW6020									Batch: 34078	
Sample ID: MB-34078	2	Method Blank				Run: ICPMS4-C_120802A			08/03/12 08:53	
Antimony		0.02	mg/kg	0.003						
Tin		2	mg/kg	0.01						
Sample ID: LFB-34078	2	Laboratory Fortified Blank				Run: ICPMS4-C_120802A			08/03/12 08:57	
Antimony		26	mg/kg	1.0	105	80	120			
Tin		27	mg/kg	1.0	98	80	120			
Sample ID: C12060953-001ADIL	2	Serial Dilution				Run: ICPMS4-C_120802A			08/03/12 09:32	
Antimony		ND	mg/kg-dry	1.0		0	0		10	
Tin		0.84	mg/kg-dry	1.0		0	0		10	N
Sample ID: C12060953-004AMS3	2	Sample Matrix Spike				Run: ICPMS4-C_120802A			08/03/12 09:54	
Antimony		9.0	mg/kg-dry	1.0	36	75	125			S
Tin		28	mg/kg-dry	1.0	108	75	125			
Sample ID: C12060953-004AMSD	2	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120802A			08/03/12 10:16	
Antimony		8.6	mg/kg-dry	1.0	35	75	125	3.6	20	S
Tin		28	mg/kg-dry	1.0	107	75	125	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros Proposed Site Stockpiles **Work Order:** C12060953

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW7471A									Analytical Run: CVAA_C203_120813A	
Sample ID: ICV		Initial Calibration Verification Standard							08/13/12 12:49	
Mercury		0.0046	mg/kg	0.050	92	90	110			
Method: SW7471A									Batch: 34652	
Sample ID: MB-34652		Method Blank				Run: CVAA_C203_120813A			08/13/12 12:52	
Mercury		ND	mg/kg	0.003						
Sample ID: LCS3-34652		Laboratory Control Sample				Run: CVAA_C203_120813A			08/13/12 12:53	
Mercury		5.5	mg/kg	0.17	111	70.8	127			
Sample ID: LFB-34652		Laboratory Fortified Blank				Run: CVAA_C203_120813A			08/13/12 12:54	
Mercury		0.78	mg/kg	0.050	78	80	120			S
Sample ID: C12060953-001ADIL		Serial Dilution				Run: CVAA_C203_120813A			08/13/12 13:05	
Mercury		8500	mg/kg-dry	17000					20	
Sample ID: C12060953-001AMS		Sample Matrix Spike				Run: CVAA_C203_120813A			08/13/12 13:06	
Mercury		0.83	mg/kg-dry	0.050	96	85	115			
Sample ID: C12060953-001AMSD		Sample Matrix Spike Duplicate				Run: CVAA_C203_120813A			08/13/12 13:07	
Mercury		0.83	mg/kg-dry	0.050	95	85	115	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

Standard Reporting Procedures

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Workorder Receipt Checklist

Denison Mines USA Corp C12060953

Login completed by: Timothy I.. Houghteling
Date Received: 6/22/2012
Reviewed by: BL2000\kschroeder
Received by: th
Reviewed Date: 6/27/2012
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	N/A °C		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Contact and Corrective Action Comments:

Samples received from CSU on 6/22/12.

Chain of Custody and Analytical Request Record

ENERGY LABORATORIES

Page _____ of _____

PLEASE PRINT- Provide as much information as possible.

Company Name: Christy Woodward	Project Name, PWS, Permit, Etc.: Daneros Proposed Site Stockpiles	Sample Origin State: UT	EPA/State Compliance: Yes ☐ No ☑
Report Mail Address: 1050 17th Street, Ste 950 Denver, Colorado 80265	Contact Name: Christy Woodward; Phone/Fax: 3033891436	Email: cwoodward@denisonmin	Sampler: (Please Print) David Turk
Invoice Address: 1050 17th Street, Ste 950 Denver, Colorado 80265	Invoice Contact & Phone: Jan Dalla 3033894144	Purchase Order:	Quote/Bottle Order:

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

- ☐ DW
- ☐ GSA
- ☐ POTW/WWTP
- ☒ State: Utah
- ☐ Other: _____
- ☐ A2LA
- ☐ EDD/EDT (Electronic Data) Format: _____
- ☐ LEVEL IV
- ☐ NELAC

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	Total Metals (from C3776)	Radium 226	Radium 228	ISO TH						SEE ATTACHED	Normal Turnaround (TAT)	RUSH	Comments
1	Area 76 (south)	06/09/12	10:46	Soil	X	X	X	X									
2	Area 157 (south)	06/09/12	11:50	Soil	X	X	X	X									
3	Area 38 (Bullseye)	06/09/12	08:15	Soil	X	X	X	X									
4	Area 68 (Bullseye)	06/09/12	08:04	Soil	X	X	X	X									
5	Area 60 (Bullseye)	06/09/12	08:10	Soil	X	X	X	X									
6																	
7																	
8																	
9																	
10																	

RUSH: Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Fedex-G

Cooler ID(s): Box

Receipt Temp: N/A °C

On Ice: Yes No N/A

Custody Seal Y N

Intact Y N

Signature Match Y N

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Christy Woodward	6/21/12 : 10:34	Christy Woodward			

Received by Laboratory: Date/Time: 6-22-12/1215 Signature: T. Houghtelling

Sample Disposal: Return to Client: _____ Lab Disposal: X

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

ANALYTICAL SUMMARY REPORT

August 13, 2012

Denison Mines USA Corp
1050 17th St Ste 950
Denver, CO 80265

Workorder No.: C12070100 Quote ID: C3820 - Daneros SPLP

Project Name: Daneros WR

Energy Laboratories, Inc. Casper WY received the following 3 samples for Denison Mines USA Corp on 7/3/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12070100-001	Waste Rock 1	06/27/12 10:14	07/03/12	Solid	Metals by ICP/ICPMS, Total Metals, SPLP Extractable Acid Base Potential Mercury, SPLP Mercury, Total Mercury Analysis Prep Filterability Nitrate+Nitrite as N, KCL Extract Nitrogen, Nitrate + Nitrite pH corrosivity Percent Moisture Digestion, Total Metals Digestion, Total Metals ABP Prep in Casper CVAA Permanganate Digest KCL Soil Extract Corrosivity pH prep Services Provided by Lab Sulfur Forms SPLP Extraction, Regular
C12070100-002	Waste Rock 2	06/27/12 10:14	07/03/12	Solid	Same As Above
C12070100-003	Waste Rock 3	06/27/12 10:14	07/03/12	Solid	Same As Above

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

CLIENT: Denison Mines USA Corp
Project: Daneros WR
Sample Delivery Group: C12070100

Report Date: 08/13/12

CASE NARRATIVE

TOTAL METALS ANALYSIS
Per client, the following protocol was followed for total metals anaysis:
- o Crush entire sample to -60 mesh
- o Split a subsample of 100 grams
- o Pulverize the 100 gram subsample to -150 mesh
- o Split out 10 gram subsample
- o Digest entire 10 gram subsample for ICP analysis

BRANCH LABORATORY SUBCONTRACT ANALYSIS
Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS
Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:
USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001, Radiochemical WY200002; Utah: WY00002; Virginia: 00057; Washington: C836

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros WR
Lab ID: C12070100-001
Client Sample ID: Waste Rock 1

Report Date: 08/13/12
Collection Date: 06/27/12 10:14
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Filterable	No					SW1311	07/11/12 14:55 / dcj
Corrosivity - pH	6.84	s.u.		0.01		SW9045D	07/09/12 18:41 / jes
Moisture	0.6	%		0.1		D2974	07/06/12 11:13 / dm
ACID-BASE POTENTIAL							
Neutralization Potential	6	t/kt		0.1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid Potential	25	t/kt		1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid/Base Potential	-19	t/kt				Sobek Modifie	07/13/12 15:40 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	0.92	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Hot Water Extractable	0.11	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HCl Extractable	ND	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HNO3 Extractable	0.72	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Residual	0.09	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	84.1	mg/kg-dry	D	5.0		E353.2	08/10/12 16:40 / lr
NUTRIENTS - SPLP EXTRACTABLE							
Nitrogen, Nitrate+Nitrite as N	11.3	mg/L	DB	0.5		E353.2	07/26/12 16:42 / ljl
METALS - SPLP EXTRACTABLE							
Antimony	0.002	mg/L		0.001		SW6020	08/01/12 19:31 / cp
Arsenic	0.13	mg/L		0.001		SW6020	07/30/12 15:46 / cp
Barium	ND	mg/L		0.05		SW6020	07/30/12 15:46 / cp
Beryllium	0.001	mg/L		0.001		SW6020	07/30/12 15:46 / cp
Cadmium	ND	mg/L		0.001		SW6020	07/30/12 15:46 / cp
Chromium	ND	mg/L		0.005		SW6020	07/30/12 15:46 / cp
Copper	0.098	mg/L		0.005		SW6020	07/30/12 15:46 / cp
Lead	0.005	mg/L	B	0.001		SW6020	07/30/12 15:46 / cp
Manganese	0.31	mg/L		0.001		SW6020	07/30/12 15:46 / cp
Mercury	ND	mg/L		0.0020		SW7470A	07/12/12 13:24 / jrm
Molybdenum	0.002	mg/L		0.001		SW6020	07/30/12 15:46 / cp
Nickel	0.21	mg/L		0.005		SW6020	07/30/12 15:46 / cp
Selenium	0.001	mg/L		0.001		SW6020	07/30/12 15:46 / cp
Silver	ND	mg/L		0.001		SW6020	07/30/12 15:46 / cp
Thallium	0.0011	mg/L		0.0005		SW6020	07/30/12 15:46 / cp
Uranium	0.16	mg/L		0.0003		SW6020	07/30/12 15:46 / cp
Vanadium	ND	mg/L		0.01		SW6020	07/30/12 15:46 / cp
Zinc	0.13	mg/L	B	0.01		SW6020	07/30/12 15:46 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
B - The analyte was detected in the method blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros WR
Lab ID: C12070100-001
Client Sample ID: Waste Rock 1

Report Date: 08/13/12
Collection Date: 06/27/12 10:14
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Antimony	ND	mg/kg-dry		0.5		SW6020	08/08/12 20:57 / cp
Arsenic	45.9	mg/kg-dry		0.5		SW6020	08/08/12 20:57 / cp
Barium	113	mg/kg-dry	D	1.4		SW6010B	07/12/12 20:09 / sf
Beryllium	ND	mg/kg-dry		0.5		SW6010B	07/12/12 20:09 / sf
Cadmium	0.5	mg/kg-dry		0.5		SW6020	08/08/12 20:57 / cp
Chromium	2.0	mg/kg-dry		0.5		SW6020	08/08/12 20:57 / cp
Copper	139	mg/kg-dry	D	1.6		SW6010B	07/12/12 20:09 / sf
Lead	38.5	mg/kg-dry		0.5		SW6020	08/08/12 20:57 / cp
Manganese	16.5	mg/kg-dry		0.5		SW6010B	07/12/12 20:09 / sf
Mercury	ND	mg/kg-dry		0.05		SW7471A	07/10/12 09:21 / jrm
Molybdenum	4.0	mg/kg-dry		0.5		SW6020	08/08/12 20:57 / cp
Nickel	24.8	mg/kg-dry		0.5		SW6010B	07/12/12 20:09 / sf
Selenium	ND	mg/kg-dry		0.5		SW6020	08/08/12 20:57 / cp
Silver	0.5	mg/kg-dry		0.5		SW6020	08/08/12 20:57 / cp
Thallium	1.3	mg/kg-dry		0.5		SW6020	08/08/12 20:57 / cp
Uranium	44.7	mg/kg-dry		0.5		SW6020	08/08/12 20:57 / cp
Vanadium	4.7	mg/kg-dry	B	0.5		SW6020	08/08/12 20:57 / cp
Zinc	130	mg/kg-dry	D	3.7		SW6010B	07/12/12 20:09 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
B - The analyte was detected in the method blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros WR
Lab ID: C12070100-002
Client Sample ID: Waste Rock 2

Report Date: 08/13/12
Collection Date: 06/27/12 10:14
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Filterable	No					SW1311	07/11/12 14:55 / dcj
Corrosivity - pH	6.69	s.u.		0.01		SW9045D	07/09/12 18:41 / jes
Moisture	1.3	%		0.1		D2974	07/06/12 11:14 / dm
ACID-BASE POTENTIAL							
Neutralization Potential	9	t/kt		0.1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid Potential	21	t/kt		1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid/Base Potential	-11	t/kt				Sobek Modifie	07/13/12 15:40 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	0.72	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Hot Water Extractable	0.05	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HCl Extractable	ND	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HNO3 Extractable	0.59	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Residual	0.08	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	89.4	mg/kg-dry	D	5.0		E353.2	08/10/12 16:42 / lr
NUTRIENTS - SPLP EXTRACTABLE							
Nitrogen, Nitrate+Nitrite as N	11.8	mg/L	DB	0.5		E353.2	07/27/12 20:33 / ljl
METALS - SPLP EXTRACTABLE							
Antimony	0.002	mg/L		0.001		SW6020	08/01/12 19:36 / cp
Arsenic	0.19	mg/L		0.001		SW6020	07/30/12 16:13 / cp
Barium	ND	mg/L		0.05		SW6020	07/30/12 16:13 / cp
Beryllium	0.001	mg/L		0.001		SW6020	07/30/12 16:13 / cp
Cadmium	ND	mg/L		0.001		SW6020	07/30/12 16:13 / cp
Chromium	ND	mg/L		0.005		SW6020	07/30/12 16:13 / cp
Copper	0.12	mg/L		0.005		SW6020	07/30/12 16:13 / cp
Lead	ND	mg/L		0.001		SW6020	07/30/12 16:13 / cp
Manganese	0.19	mg/L		0.001		SW6020	07/30/12 16:13 / cp
Mercury	ND	mg/L		0.0020		SW7470A	07/12/12 13:27 / jrm
Molybdenum	0.004	mg/L		0.001		SW6020	07/30/12 16:13 / cp
Nickel	0.18	mg/L		0.005		SW6020	07/30/12 16:13 / cp
Selenium	ND	mg/L		0.001		SW6020	07/30/12 16:13 / cp
Silver	ND	mg/L		0.001		SW6020	07/30/12 16:13 / cp
Thallium	0.0007	mg/L		0.0005		SW6020	07/30/12 16:13 / cp
Uranium	0.091	mg/L		0.0003		SW6020	07/30/12 16:13 / cp
Vanadium	ND	mg/L		0.01		SW6020	07/30/12 16:13 / cp
Zinc	0.09	mg/L	B	0.01		SW6020	07/30/12 16:13 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
B - The analyte was detected in the method blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros WR
Lab ID: C12070100-002
Client Sample ID: Waste Rock 2

Report Date: 08/13/12
Collection Date: 06/27/12 10:14
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Antimony	ND	mg/kg-dry		0.5		SW6020	08/08/12 21:06 / cp
Arsenic	41.8	mg/kg-dry		0.5		SW6020	08/08/12 21:06 / cp
Barium	127	mg/kg-dry	D	1.4		SW6010B	07/12/12 20:13 / sf
Beryllium	ND	mg/kg-dry		0.5		SW6010B	07/12/12 20:13 / sf
Cadmium	ND	mg/kg-dry		0.5		SW6020	08/08/12 21:06 / cp
Chromium	3.1	mg/kg-dry		0.5		SW6020	08/08/12 21:06 / cp
Copper	101	mg/kg-dry	D	1.6		SW6010B	07/12/12 20:13 / sf
Lead	21.9	mg/kg-dry	D	3.1		SW6010B	08/07/12 17:08 / sf
Manganese	22.3	mg/kg-dry		0.5		SW6010B	07/12/12 20:13 / sf
Mercury	ND	mg/kg-dry		0.05		SW7471A	07/10/12 09:26 / jrm
Molybdenum	1.6	mg/kg-dry		0.5		SW6020	08/08/12 21:06 / cp
Nickel	21.6	mg/kg-dry		0.5		SW6010B	07/12/12 20:13 / sf
Selenium	ND	mg/kg-dry		0.5		SW6020	08/08/12 21:06 / cp
Silver	ND	mg/kg-dry		0.5		SW6020	08/08/12 21:06 / cp
Thallium	0.7	mg/kg-dry		0.5		SW6020	08/08/12 21:06 / cp
Uranium	37.3	mg/kg-dry		0.5		SW6020	08/08/12 21:06 / cp
Vanadium	5.6	mg/kg-dry	B	0.5		SW6020	08/08/12 21:06 / cp
Zinc	32.7	mg/kg-dry	D	3.7		SW6010B	07/12/12 20:13 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
B - The analyte was detected in the method blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros WR
Lab ID: C12070100-003
Client Sample ID: Waste Rock 3

Report Date: 08/13/12
Collection Date: 06/27/12 10:14
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Filterable	No					SW1311	07/11/12 14:55 / dcj
Corrosivity - pH	4.09	s.u.		0.01		SW9045D	07/09/12 18:41 / jes
Moisture	1.0	%		0.1		D2974	07/06/12 11:14 / dm
ACID-BASE POTENTIAL							
Neutralization Potential	7	t/kt		0.1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid Potential	17	t/kt		1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid/Base Potential	-10	t/kt				Sobek Modifie	07/13/12 15:40 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	0.62	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Hot Water Extractable	0.08	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HCl Extractable	ND	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HNO3 Extractable	0.46	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Residual	0.08	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	126	mg/kg-dry	D	9.9		E353.2	08/10/12 16:45 / lr
NUTRIENTS - SPLP EXTRACTABLE							
Nitrogen, Nitrate+Nitrite as N	13.2	mg/L	DB	0.5		E353.2	07/26/12 16:47 / ljl
METALS - SPLP EXTRACTABLE							
Antimony	0.002	mg/L		0.001		SW6020	08/04/12 08:43 / cp
Arsenic	0.29	mg/L		0.001		SW6020	07/30/12 16:17 / cp
Barium	0.07	mg/L		0.05		SW6020	07/30/12 16:17 / cp
Beryllium	0.003	mg/L		0.001		SW6020	07/30/12 16:17 / cp
Cadmium	ND	mg/L		0.001		SW6020	07/30/12 16:17 / cp
Chromium	0.017	mg/L		0.005		SW6020	07/30/12 16:17 / cp
Copper	0.31	mg/L		0.005		SW6020	07/30/12 16:17 / cp
Lead	0.030	mg/L	B	0.001		SW6020	07/30/12 16:17 / cp
Manganese	0.20	mg/L		0.001		SW6020	07/30/12 16:17 / cp
Mercury	ND	mg/L		0.0020		SW7470A	07/12/12 13:28 / jrm
Molybdenum	0.004	mg/L		0.001		SW6020	07/30/12 16:17 / cp
Nickel	0.28	mg/L		0.005		SW6020	07/30/12 16:17 / cp
Selenium	ND	mg/L		0.001		SW6020	07/30/12 16:17 / cp
Silver	ND	mg/L		0.001		SW6020	07/30/12 16:17 / cp
Thallium	0.0016	mg/L		0.0005		SW6020	07/30/12 16:17 / cp
Uranium	1.3	mg/L		0.0003		SW6020	07/30/12 16:17 / cp
Vanadium	0.01	mg/L		0.01		SW6020	07/30/12 16:17 / cp
Zinc	0.18	mg/L	B	0.01		SW6020	07/30/12 16:17 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
B - The analyte was detected in the method blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros WR
Lab ID: C12070100-003
Client Sample ID: Waste Rock 3

Report Date: 08/13/12
Collection Date: 06/27/12 10:14
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Antimony	ND	mg/kg-dry		0.5		SW6020	08/08/12 21:11 / cp
Arsenic	110	mg/kg-dry		0.5		SW6020	08/08/12 21:11 / cp
Barium	110	mg/kg-dry	D	1.4		SW6010B	07/12/12 20:17 / sf
Beryllium	ND	mg/kg-dry		0.5		SW6010B	07/12/12 20:17 / sf
Cadmium	ND	mg/kg-dry		0.5		SW6020	08/08/12 21:11 / cp
Chromium	2.7	mg/kg-dry		0.5		SW6020	08/08/12 21:11 / cp
Copper	242	mg/kg-dry	D	1.6		SW6010B	07/12/12 20:17 / sf
Lead	46.3	mg/kg-dry	D	3.1		SW6010B	07/12/12 20:17 / sf
Manganese	20.5	mg/kg-dry		0.5		SW6010B	07/12/12 20:17 / sf
Mercury	ND	mg/kg-dry		0.05		SW7471A	07/10/12 09:28 / jrm
Molybdenum	4.2	mg/kg-dry		0.5		SW6020	08/08/12 21:11 / cp
Nickel	33.0	mg/kg-dry		0.5		SW6010B	07/12/12 20:17 / sf
Selenium	ND	mg/kg-dry		0.5		SW6020	08/08/12 21:11 / cp
Silver	ND	mg/kg-dry		0.5		SW6020	08/08/12 21:11 / cp
Thallium	2.2	mg/kg-dry		0.5		SW6020	08/08/12 21:11 / cp
Uranium	121	mg/kg-dry		0.5		SW6020	08/08/12 21:11 / cp
Vanadium	5.7	mg/kg-dry	B	0.5		SW6020	08/08/12 21:11 / cp
Zinc	99.8	mg/kg-dry	D	3.7		SW6010B	07/12/12 20:17 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
B - The analyte was detected in the method blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros WR **Work Order:** C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: 34270
Sample ID: MB-34270		Method Blank				Run: TECHNICON_120726A				07/26/12 16:37
Nitrogen, Nitrate+Nitrite as N		7	mg/L	0.2						
Sample ID: LCS-34270		Laboratory Control Sample				Run: TECHNICON_120726A				07/26/12 16:40
Nitrogen, Nitrate+Nitrite as N		28.0	mg/L	1.0	106	90	110			
Sample ID: C12070100-003CMS		Sample Matrix Spike				Run: TECHNICON_120726A				07/26/12 16:50
Nitrogen, Nitrate+Nitrite as N		22.5	mg/L	0.50	97	90	110			
Method: E353.2										Batch: 34643
Sample ID: MB-34643		Method Blank				Run: TECHNICON_120810A				08/10/12 15:27
Nitrogen, Nitrate+Nitrite as N		0.9	mg/kg-dry	0.3						
Sample ID: LCS1-34643		Laboratory Control Sample				Run: TECHNICON_120810A				08/10/12 15:30
Nitrogen, Nitrate+Nitrite as N		4.77	mg/kg-dry	1.0	92	80	120			
Sample ID: C12070100-003BDUP		Sample Duplicate				Run: TECHNICON_120810A				08/10/12 16:47
Nitrogen, Nitrate+Nitrite as N		104	mg/kg-dry	9.9				19	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12
Project: Daneros WR **Work Order:** C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Sobek Modified									Batch: B_R188395	
Sample ID: B12070664-001ADUP	3	Sample Duplicate				Run: SUB-B188395			07/13/12 15:40	
Neutralization Potential		6.1	t/kt	0.10				0.0	50	
Acid Potential		25	t/kt	1.0				2.5	50	
Acid/Base Potential		-19	t/kt					3.3	50	
The acid-base potential was calculated from the non-sulfate sulfur %										
Sample ID: LCS-SOL0715120713	3	Laboratory Control Sample				Run: SUB-B188395			07/13/12 15:40	
Neutralization Potential		78	t/kt	0.10	97	50	200			
Acid Potential		4.1	t/kt	1.0	102	50	200			
Acid/Base Potential		74	t/kt		97	50	200			
The acid-base potential was calculated from the non-sulfate sulfur %										
Sample ID: B12070664-001ADUP	5	Sample Duplicate				Run: SUB-B188395			07/13/12 15:40	
Sulfur, Total		0.92	%	0.01				0.0	50	
Sulfur, Hot Water Extractable		0.13	%	0.01				17	50	
Sulfur, HCl Extractable		ND	%	0.01					50	
Sulfur, HNO3 Extractable		0.71	%	0.01				1.4	50	
Sulfur, Residual		0.08	%	0.01				12	50	
Sample ID: LCS-SOL0715120713	5	Laboratory Control Sample				Run: SUB-B188395			07/13/12 15:40	
Sulfur, Total		0.17	%	0.01	97	50	200			
Sulfur, Hot Water Extractable		0.04	%	0.01	90	50	200			
Sulfur, HCl Extractable		0.02	%	0.01	120	50	200			
Sulfur, HNO3 Extractable		0.08	%	0.01	95	50	200			
Sulfur, Residual		0.03	%	0.01	150	50	200			
Sample ID: B12070665-008ADUP	3	Sample Duplicate				Run: SUB-B188395			07/13/12 15:41	
Neutralization Potential		2.2	t/kt	0.10				0.0	50	
Acid Potential		18	t/kt	1.0				3.5	50	
Acid/Base Potential		-16	t/kt					4.0	50	
The acid-base potential was calculated from the non-sulfate sulfur %										
Sample ID: B12070665-008ADUP	5	Sample Duplicate				Run: SUB-B188395			07/13/12 15:41	
Sulfur, Total		0.83	%	0.01				4.9	50	
Sulfur, Hot Water Extractable		0.26	%	0.01				8.2	50	
Sulfur, HCl Extractable		0.04	%	0.01				0.0	50	
Sulfur, HNO3 Extractable		0.47	%	0.01				6.6	50	
Sulfur, Residual		0.07	%	0.01				13	50	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12
Project: Daneros WR **Work Order:** C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Analytical Run: ICP2-C_120712A	
Sample ID: ICV	7	Initial Calibration Verification Standard							07/12/12 12:29	
Barium		1.01	mg/L	0.10	101	95	105			
Beryllium		0.516	mg/L	0.010	103	95	105			
Copper		1.00	mg/L	0.010	100	95	105			
Lead		0.987	mg/L	0.050	99	95	105			
Manganese		5.15	mg/L	0.010	103	95	105			
Nickel		0.980	mg/L	0.050	98	95	105			
Zinc		0.986	mg/L	0.010	99	95	105			
Sample ID: ICSA	7	Interference Check Sample A							07/12/12 13:09	
Barium		-0.00100	mg/L	0.10						
Beryllium		0.000400	mg/L	0.010						
Copper		0.00630	mg/L	0.010						
Lead		-0.0167	mg/L	0.050						
Manganese		-0.00320	mg/L	0.010						
Nickel		-0.00160	mg/L	0.050						
Zinc		-0.00590	mg/L	0.010						
Sample ID: ICSAB	7	Interference Check Sample AB							07/12/12 13:13	
Barium		0.530	mg/L	0.10	106	80	120			
Beryllium		0.519	mg/L	0.010						
Copper		0.545	mg/L	0.010	109	80	120			
Lead		0.988	mg/L	0.050	99	80	120			
Manganese		0.527	mg/L	0.010	105	80	120			
Nickel		0.964	mg/L	0.050	96	80	120			
Zinc		1.02	mg/L	0.010	102	80	120			
Method: SW6010B									Batch: 34239	
Sample ID: MB-34239	7	Method Blank				Run: ICP2-C_120712A			07/12/12 19:53	
Barium		ND	mg/kg	0.1						
Beryllium		0.010	mg/kg	0.008						
Copper		ND	mg/kg	0.2						
Lead		ND	mg/kg	0.3						
Manganese		0.3	mg/kg	0.02						
Nickel		0.1	mg/kg	0.03						
Zinc		ND	mg/kg	0.4						
Sample ID: LFB-34239	7	Laboratory Fortified Blank				Run: ICP2-C_120712A			07/12/12 19:57	
Barium		28	mg/kg	1.0	111	80	120			
Beryllium		14	mg/kg	1.0	112	80	120			
Copper		28	mg/kg	1.0	113	80	120			
Lead		27	mg/kg	1.0	108	80	120			
Manganese		140	mg/kg	1.0	109	80	120			
Nickel		27	mg/kg	1.0	110	80	120			
Zinc		27	mg/kg	1.0	109	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros WR **Work Order:** C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B										Batch: 34239
Sample ID: LCS3-34239	7	Laboratory Control Sample				Run: ICP2-C_120712A			07/12/12 20:01	
Barium		590	mg/kg	1.4	96	80	120			
Beryllium		50	mg/kg	1.0	98	76.3	120			
Copper		270	mg/kg	1.6	98	77.5	120			
Lead		190	mg/kg	3.1	101	75.9	120			
Manganese		410	mg/kg	1.0	110	80	120			
Nickel		57	mg/kg	1.0	94	72.3	120			
Zinc		210	mg/kg	3.7	101	74.2	120			
Sample ID: C12070100-003BDIL	7	Serial Dilution				Run: ICP2-C_120712A			07/12/12 20:21	
Barium		110	mg/kg-dry	6.9		0	0	1.2	10	
Beryllium		ND	mg/kg-dry	1.0		0	0		10	
Copper		250	mg/kg-dry	8.0		0	0	2.6	10	
Lead		37	mg/kg-dry	16		0	0		10	N
Manganese		20	mg/kg-dry	1.2		0	0	3.2	10	
Nickel		33	mg/kg-dry	1.5		0	0	0.5	10	
Zinc		100	mg/kg-dry	19		0	0		10	N
Sample ID: C12070100-003BMS3	7	Sample Matrix Spike				Run: ICP2-C_120712A			07/12/12 20:37	
Barium		91	mg/kg-dry	1.4		75	125			A
Beryllium		14	mg/kg-dry	1.0	111	75	125			
Copper		150	mg/kg-dry	1.6		75	125			A
Lead		120	mg/kg-dry	3.1	280	75	125			S
Manganese		150	mg/kg-dry	1.0	107	75	125			
Nickel		85	mg/kg-dry	1.0	207	75	125			S
Zinc		58	mg/kg-dry	3.7	-168	75	125			S
Sample ID: C12070100-003BMSD	7	Sample Matrix Spike Duplicate				Run: ICP2-C_120712A			07/12/12 20:41	
Barium		150	mg/kg-dry	1.4		75	125	49	20	AR
Beryllium		15	mg/kg-dry	1.0	115	75	125	3.7	20	
Copper		320	mg/kg-dry	1.6		75	125	71	20	AR
Lead		64	mg/kg-dry	3.1	71	75	125	58	20	SR
Manganese		160	mg/kg-dry	1.0	113	75	125	5.2	20	
Nickel		58	mg/kg-dry	1.0	101	75	125	37	20	R
Zinc		94	mg/kg-dry	3.7	-24	75	125	48	20	SR

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12
Project: Daneros WR **Work Order:** C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Analytical Run: ICP2-C_120807A	
Sample ID: ICV		Initial Calibration Verification Standard							08/07/12 12:24	
Lead		1.03	mg/L	0.050	103	95	105			
Sample ID: ICSA		Interference Check Sample A							08/07/12 13:12	
Lead		0.119	mg/L	0.050						
Sample ID: ICSAB		Interference Check Sample AB							08/07/12 13:16	
Lead		1.09	mg/L	0.050	109	80	120			
Method: SW6010B									Batch: 34239	
Sample ID: MB-34239		Method Blank				Run: ICP2-C_120807A			08/07/12 16:12	
Lead		ND	mg/kg	0.3						
Sample ID: LFB-34239		Laboratory Fortified Blank				Run: ICP2-C_120807A			08/07/12 16:16	
Lead		27	mg/kg	1.0	109	80	120			
Sample ID: LCS3-34239		Laboratory Control Sample				Run: ICP2-C_120807A			08/07/12 16:20	
Lead		190	mg/kg	3.1	104	75.9	120			
Sample ID: C12070100-003BDIL		Serial Dilution				Run: ICP2-C_120807A			08/07/12 17:16	
Lead		51	mg/kg-dry	16		0	0		10	N
Sample ID: C12070100-003BMS3		Sample Matrix Spike				Run: ICP2-C_120807A			08/07/12 17:20	
Lead		120	mg/kg-dry	3.1	289	75	125			S
Sample ID: C12070100-003BMSD		Sample Matrix Spike Duplicate				Run: ICP2-C_120807A			08/07/12 17:24	
Lead		67	mg/kg-dry	3.1	80	75	125	56	20	R

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

R - RPD exceeds advisory limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12
Project: Daneros WR **Work Order:** C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS4-C_120730A	
Sample ID: ICV	16	Initial Calibration Verification Standard							07/30/12 13:36	
Arsenic		0.0520	mg/L	0.0010	104	90	110			
Barium		0.0502	mg/L	0.0010	100	90	110			
Beryllium		0.0532	mg/L	0.010	106	90	110			
Cadmium		0.0521	mg/L	0.0010	104	90	110			
Chromium		0.0494	mg/L	0.0010	99	90	110			
Copper		0.0513	mg/L	0.0010	103	90	110			
Lead		0.0482	mg/L	0.0010	96	90	110			
Manganese		0.0513	mg/L	0.0010	103	90	110			
Molybdenum		0.0496	mg/L	0.0010	99	90	110			
Nickel		0.0523	mg/L	0.0010	105	90	110			
Selenium		0.0514	mg/L	0.0010	103	90	110			
Silver		0.0209	mg/L	0.0010	104	90	110			
Thallium		0.0520	mg/L	0.0010	104	90	110			
Uranium		0.0518	mg/L	0.00030	104	90	110			
Vanadium		0.0494	mg/L	0.0010	99	90	110			
Zinc		0.0539	mg/L	0.0010	108	90	110			
Sample ID: ICSA	16	Interference Check Sample A							07/30/12 13:40	
Arsenic		3.99E-05	mg/L	0.0010						
Barium		1.47E-05	mg/L	0.0010						
Beryllium		1.35E-05	mg/L	0.010						
Cadmium		4.55E-05	mg/L	0.0010						
Chromium		4.27E-05	mg/L	0.0010						
Copper		2.05E-05	mg/L	0.0010						
Lead		1.93E-05	mg/L	0.0010						
Manganese		-1.15E-05	mg/L	0.0010						
Molybdenum		0.0156	mg/L	0.0010	78	70	130			
Nickel		3.77E-05	mg/L	0.0010						
Selenium		0.000107	mg/L	0.0010						
Silver		8.89E-05	mg/L	0.0010						
Thallium		6.40E-06	mg/L	0.0010						
Uranium		2.24E-05	mg/L	0.00030						
Vanadium		2.33E-05	mg/L	0.0010						
Zinc		2.93E-05	mg/L	0.0010						
Sample ID: ICSAB	16	Interference Check Sample AB							07/30/12 13:44	
Arsenic		0.0101	mg/L	0.0010	101	70	130			
Barium		7.80E-06	mg/L	0.0010						
Beryllium		3.50E-06	mg/L	0.010						
Cadmium		0.00835	mg/L	0.0010	84	70	130			
Chromium		0.00955	mg/L	0.0010	96	70	130			
Copper		0.00877	mg/L	0.0010	88	70	130			
Lead		5.00E-06	mg/L	0.0010						
Manganese		0.00896	mg/L	0.0010	90	70	130			
Molybdenum		0.0155	mg/L	0.0010	77	70	130			

Qualifiers:

RL - Analyte reporting limit. ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12
Project: Daneros WR **Work Order:** C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS4-C_120730A	
Sample ID: ICSAB	16	Interference Check Sample AB							07/30/12 13:44	
Nickel		0.0104	mg/L	0.0010	104	70	130			
Selenium		1.51E-05	mg/L	0.0010						
Silver		0.0102	mg/L	0.0010	102	70	130			
Thallium		-9.60E-06	mg/L	0.0010						
Uranium		6.70E-06	mg/L	0.00030						
Vanadium		-2.10E-06	mg/L	0.0010						
Zinc		0.0108	mg/L	0.0010	108	70	130			
Method: SW6020										Batch: 34297
Sample ID: MB-34297	16	Method Blank				Run: ICPMS4-C_120730A			07/30/12 15:30	
Arsenic		0.0009	mg/L	7E-05						
Barium		0.03	mg/L	0.0001						
Beryllium		ND	mg/L	6E-05						
Cadmium		0.0001	mg/L	3E-05						
Chromium		0.004	mg/L	0.001						
Copper		0.004	mg/L	8E-05						
Lead		0.006	mg/L	3E-05						
Manganese		0.009	mg/L	0.0002						
Molybdenum		0.0004	mg/L	5E-05						
Nickel		0.001	mg/L	6E-05						
Selenium		7E-05	mg/L	6E-05						
Silver		0.0004	mg/L	2E-05						
Thallium		0.0002	mg/L	5E-05						
Uranium		0.0004	mg/L	5E-05						
Vanadium		0.006	mg/L	7E-05						
Zinc		0.03	mg/L	0.0005						
Sample ID: LCS3-34297	16	Laboratory Control Sample				Run: ICPMS4-C_120730A			07/30/12 15:34	
Arsenic		0.50	mg/L	0.0010	99	80	120			
Barium		0.60	mg/L	0.050	113	80	120			
Beryllium		0.25	mg/L	0.0010	99	80	120			
Cadmium		0.25	mg/L	0.0010	99	80	120			
Chromium		0.54	mg/L	0.0050	108	80	120			
Copper		0.55	mg/L	0.0050	109	80	120			
Lead		0.56	mg/L	0.0010	111	80	120			
Manganese		2.7	mg/L	0.0010	108	80	120			
Molybdenum		0.55	mg/L	0.0010	111	80	120			
Nickel		0.60	mg/L	0.0050	120	80	120			
Selenium		0.42	mg/L	0.0010	84	80	120			
Silver		0.054	mg/L	0.0010	107	80	120			
Thallium		0.54	mg/L	0.00050	107	80	120			
Uranium		0.56	mg/L	0.00030	111	80	120			
Vanadium		0.55	mg/L	0.010	108	80	120			
Zinc		0.51	mg/L	0.010	97	80	120			

Qualifiers:

RL - Analyte reporting limit. ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12
Project: Daneros WR **Work Order:** C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 34297
Sample ID: LCSD3-34297	16	Laboratory Control Sample Duplicate				Run: ICPMS4-C_120730A			07/30/12 15:38	
Arsenic		0.50	mg/L	0.0010	100	80	120			
Barium		0.59	mg/L	0.050	112	80	120			
Beryllium		0.25	mg/L	0.0010	98	80	120			
Cadmium		0.25	mg/L	0.0010	100	80	120			
Chromium		0.54	mg/L	0.0050	107	80	120			
Copper		0.54	mg/L	0.0050	108	80	120			
Lead		0.56	mg/L	0.0010	112	80	120			
Manganese		2.7	mg/L	0.0010	106	80	120			
Molybdenum		0.56	mg/L	0.0010	112	80	120			
Nickel		0.60	mg/L	0.0050	119	80	120			
Selenium		0.42	mg/L	0.0010	84	80	120			
Silver		0.055	mg/L	0.0010	109	80	120			
Thallium		0.54	mg/L	0.00050	107	80	120			
Uranium		0.56	mg/L	0.00030	112	80	120			
Vanadium		0.54	mg/L	0.010	108	80	120			
Zinc		0.52	mg/L	0.010	98	80	120			
Sample ID: C12070100-001CDIL	16	Serial Dilution				Run: ICPMS4-C_120730A			07/30/12 15:51	
Arsenic		0.14	mg/L	0.00072		0	0	6.0	20	
Barium		0.041	mg/L	0.0015		0	0	4.5	20	
Beryllium		0.0015	mg/L	0.00059		0	0		20	N
Cadmium		ND	mg/L	0.00044		0	0		20	
Chromium		ND	mg/L	0.011		0	0		20	
Copper		0.088	mg/L	0.00060		0	0	11	20	
Lead		0.0052	mg/L	0.00030		0	0	3.1	20	
Manganese		0.31	mg/L	0.0016		0	0	1.3	20	
Molybdenum		0.0010	mg/L	0.00039		0	0		20	N
Nickel		0.20	mg/L	0.00061		0	0	2.3	20	
Selenium		0.0015	mg/L	0.00062		0	0		20	N
Silver		ND	mg/L	0.00022		0	0		20	
Thallium		0.00098	mg/L	0.00049		0	0		20	N
Uranium		0.13	mg/L	0.00052		0	0	25	20	R
Vanadium		0.0073	mg/L	0.00069		0	0		20	N
Zinc		0.22	mg/L	0.0045		0	0	47	20	R
Sample ID: C12070100-003CMS3	16	Sample Matrix Spike				Run: ICPMS4-C_120730A			07/30/12 16:22	
Arsenic		0.77	mg/L	0.0010	97	75	125			
Barium		0.66	mg/L	0.050	118	75	125			
Beryllium		0.24	mg/L	0.0010	96	75	125			
Cadmium		0.27	mg/L	0.0010	106	75	125			
Chromium		0.55	mg/L	0.0050	106	75	125			
Copper		0.87	mg/L	0.0050	112	75	125			
Lead		0.59	mg/L	0.0010	111	75	125			
Manganese		2.9	mg/L	0.0010	106	75	125			
Molybdenum		0.55	mg/L	0.0010	109	75	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12
Project: Daneros WR **Work Order:** C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 34297
Sample ID: C12070100-003CMS3	16	Sample Matrix Spike				Run: ICPMS4-C_120730A			07/30/12 16:22	
Nickel		0.85	mg/L	0.0050	115	75	125			
Selenium		0.42	mg/L	0.0010	83	75	125			
Silver		0.052	mg/L	0.0010	21	75	125			S
Thallium		0.53	mg/L	0.00050	105	75	125			
Uranium		2.0	mg/L	0.00030	125	75	125			
Vanadium		0.54	mg/L	0.010	106	75	125			
Zinc		0.66	mg/L	0.010	97	75	125			
Method: SW6020									Analytical Run: ICPMS4-C_120801A	
Sample ID: ICV		Initial Calibration Verification Standard							08/01/12 10:16	
Antimony		0.0530	mg/L	0.0010	106	90	110			
Sample ID: ICSA		Interference Check Sample A							08/01/12 10:20	
Antimony		0.000749	mg/L	0.0010						
Sample ID: ICSAB		Interference Check Sample AB							08/01/12 10:25	
Antimony		0.000314	mg/L	0.0010						
Method: SW6020										Batch: 34297
Sample ID: MB-34297		Method Blank				Run: ICPMS4-C_120801A			08/01/12 19:14	
Antimony		0.0009	mg/L	5E-05						
Sample ID: LCS3-34297		Laboratory Control Sample				Run: ICPMS4-C_120801A			08/01/12 19:19	
Antimony		0.59	mg/L	0.0010	119	80	120			
Sample ID: LCSD3-34297		Laboratory Control Sample Duplicate				Run: ICPMS4-C_120801A			08/01/12 19:23	
Antimony		0.59	mg/L	0.0010	118	80	120			
Sample ID: C12070100-002CDIL		Serial Dilution				Run: ICPMS4-C_120801A			08/01/12 19:40	
Antimony		0.0066	mg/L	0.0010		0	0	100	20	R
Sample ID: C12070100-002CMS3		Sample Matrix Spike				Run: ICPMS4-C_120801A			08/01/12 19:45	
Antimony		0.59	mg/L	0.0010	118	75	125			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 08/13/12
Project: Daneros WR
Work Order: C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS4-C_120803A	
Sample ID: ICV		Initial Calibration Verification Standard							08/03/12 21:14	
Antimony		0.0523	mg/L	0.0010	105	90	110			
Sample ID: ICSA		Interference Check Sample A							08/03/12 21:18	
Antimony		0.000696	mg/L	0.0010						
Sample ID: ICSAB		Interference Check Sample AB							08/03/12 21:23	
Antimony		0.000274	mg/L	0.0010						
Method: SW6020									Batch: 34297	
Sample ID: MB-34297		Method Blank				Run: ICPMS4-C_120803A			08/04/12 08:07	
Antimony		0.0001	mg/L	5E-05						
Sample ID: LCS3-34297		Laboratory Control Sample				Run: ICPMS4-C_120803A			08/04/12 08:12	
Antimony		0.58	mg/L	0.0010	116	80	120			
Sample ID: LCSD3-34297		Laboratory Control Sample Duplicate				Run: ICPMS4-C_120803A			08/04/12 08:16	
Antimony		0.59	mg/L	0.0010	117	80	120	0.6	20	
Sample ID: C12070100-003CDIL		Serial Dilution				Run: ICPMS4-C_120803A			08/04/12 08:47	
Antimony		0.0011	mg/L	0.0010		0	0		20	N
Sample ID: C12070100-003CMS3		Sample Matrix Spike				Run: ICPMS4-C_120803A			08/04/12 08:52	
Antimony		0.58	mg/L	0.0010	115	75	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12
Project: Daneros WR **Work Order:** C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS4-C_120807A	
Sample ID: ICV	11	Initial Calibration Verification Standard							08/07/12 20:28	
Antimony		0.0538	mg/L	0.0010	108	90	110			
Arsenic		0.0509	mg/L	0.0010	102	90	110			
Cadmium		0.0512	mg/L	0.0010	102	90	110			
Chromium		0.0480	mg/L	0.0010	96	90	110			
Lead		0.0478	mg/L	0.0010	96	90	110			
Molybdenum		0.0475	mg/L	0.0010	95	90	110			
Selenium		0.0516	mg/L	0.0010	103	90	110			
Silver		0.0211	mg/L	0.0010	105	90	110			
Thallium		0.0506	mg/L	0.0010	101	90	110			
Uranium		0.0510	mg/L	0.00030	102	90	110			
Vanadium		0.0479	mg/L	0.0010	96	90	110			
Sample ID: ICSA	11	Interference Check Sample A							08/07/12 20:32	
Antimony		0.000655	mg/L	0.0010						
Arsenic		5.85E-05	mg/L	0.0010						
Cadmium		6.43E-05	mg/L	0.0010						
Chromium		6.86E-05	mg/L	0.0010						
Lead		3.24E-05	mg/L	0.0010						
Molybdenum		0.0185	mg/L	0.0010	93	70	130			
Selenium		0.000150	mg/L	0.0010						
Silver		0.000233	mg/L	0.0010						
Thallium		2.32E-05	mg/L	0.0010						
Uranium		5.67E-05	mg/L	0.00030						
Vanadium		4.20E-05	mg/L	0.0010						
Sample ID: ICSAB	11	Interference Check Sample AB							08/07/12 20:36	
Antimony		0.000263	mg/L	0.0010						
Arsenic		0.0105	mg/L	0.0010	105	70	130			
Cadmium		0.0102	mg/L	0.0010	102	70	130			
Chromium		0.00982	mg/L	0.0010	98	70	130			
Lead		6.60E-06	mg/L	0.0010						
Molybdenum		0.0185	mg/L	0.0010	92	70	130			
Selenium		1.95E-05	mg/L	0.0010						
Silver		0.0105	mg/L	0.0010	105	70	130			
Thallium		3.20E-06	mg/L	0.0010						
Uranium		1.79E-05	mg/L	0.00030						
Vanadium		3.50E-06	mg/L	0.0010						
Method: SW6020									Batch: 34239	
Sample ID: MB-34239	11	Method Blank				Run: ICPMS4-C_120807A			08/08/12 20:40	
Antimony		0.04	mg/kg	0.003						
Arsenic		0.2	mg/kg	0.004						
Cadmium		0.02	mg/kg	0.003						
Chromium		0.1	mg/kg	0.002						
Lead		0.005	mg/kg	0.002						

Qualifiers:

RL - Analyte reporting limit. ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros WR **Work Order:** C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 34239
Sample ID: MB-34239	11	Method Blank				Run: ICPMS4-C_120807A			08/08/12 20:40	
Molybdenum		0.1	mg/kg	0.002						
Selenium		0.01	mg/kg	0.003						
Silver		0.04	mg/kg	0.003						
Thallium		0.003	mg/kg	0.001						
Uranium		0.003	mg/kg	0.001						
Vanadium		0.8	mg/kg	0.003						
Sample ID: LCS3-34239	11	Laboratory Control Sample				Run: ICPMS4-C_120807A			08/08/12 20:49	
Antimony		32	mg/kg	1.0	25	0	120			
Arsenic		280	mg/kg	1.0	82	72.3	120			
Cadmium		130	mg/kg	1.0	93	73	120			
Chromium		65	mg/kg	1.0	85	72.8	120			
Lead		180	mg/kg	1.0	97	75.9	120			
Molybdenum		140	mg/kg	1.0	82	68.6	120			
Selenium		180	mg/kg	1.0	91	72.4	120			
Silver		65	mg/kg	1.0	95	67.8	120			
Thallium		79	mg/kg	1.0	88	71.6	120			
Uranium		110	mg/kg	1.0	106	80	120			
Vanadium		57	mg/kg	1.0	78	66.6	120			
Sample ID: C12070100-001BDIL	11	Serial Dilution				Run: ICPMS4-C_120807A			08/08/12 21:02	
Antimony		ND	mg/kg-dry	1.0		0	0		10	
Arsenic		37	mg/kg-dry	1.0		0	0	23	10	R
Cadmium		0.39	mg/kg-dry	1.0		0	0		10	N
Chromium		1.6	mg/kg-dry	1.0		0	0		10	N
Lead		29	mg/kg-dry	1.0		0	0	29	10	R
Molybdenum		3.2	mg/kg-dry	1.0		0	0		10	N
Selenium		ND	mg/kg-dry	1.0		0	0		10	
Silver		ND	mg/kg-dry	1.0		0	0		10	
Thallium		1.0	mg/kg-dry	1.0		0	0		10	N
Uranium		33	mg/kg-dry	1.0		0	0	29	10	R
Vanadium		ND	mg/kg-dry	1.0		0	0		10	
Sample ID: C12070100-003BMS3	11	Sample Matrix Spike				Run: ICPMS4-C_120807A			08/08/12 21:15	
Antimony		13	mg/kg-dry	1.0	52	75	125			S
Arsenic		82	mg/kg-dry	1.0		75	125			A
Cadmium		14	mg/kg-dry	1.0	110	75	125			
Chromium		32	mg/kg-dry	1.0	118	75	125			
Lead		130	mg/kg-dry	1.0	313	75	125			S
Molybdenum		28	mg/kg-dry	1.0	97	75	125			
Selenium		28	mg/kg-dry	1.0	110	75	125			
Silver		15	mg/kg-dry	1.0	116	75	125			
Thallium		29	mg/kg-dry	1.0	106	75	125			
Uranium		100	mg/kg-dry	1.0		75	125			A
Vanadium		37	mg/kg-dry	1.0	123	75	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros WR **Work Order:** C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 34239
Sample ID: C12070100-003BMSD	11	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120807A			08/08/12 21:37	
Antimony		12	mg/kg-dry	1.0	49	75	125	4.9	20	S
Arsenic		79	mg/kg-dry	1.0		75	125	4.3	20	A
Cadmium		14	mg/kg-dry	1.0	111	75	125	1.1	20	
Chromium		33	mg/kg-dry	1.0	120	75	125	1.8	20	
Lead		71	mg/kg-dry	1.0	87	75	125	57	20	R
Molybdenum		28	mg/kg-dry	1.0	94	75	125	1.9	20	
Selenium		28	mg/kg-dry	1.0	109	75	125	1.2	20	
Silver		15	mg/kg-dry	1.0	119	75	125	3.1	20	
Thallium		29	mg/kg-dry	1.0	106	75	125	0.7	20	
Uranium		120	mg/kg-dry	1.0		75	125	21	20	AR
Vanadium		38	mg/kg-dry	1.0	129	75	125	4.5	20	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros WR **Work Order:** C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW7470A									Analytical Run: CVAA_C203_120712B	
Sample ID: ICV		Initial Calibration Verification Standard							07/12/12 12:55	
Mercury		0.00490	mg/L	0.00010	98	90	110			
Method: SW7470A									Batch: 34306	
Sample ID: MB-34306		Method Blank				Run: CVAA_C203_120712B			07/12/12 13:21	
Mercury		ND	mg/L	3E-05						
Sample ID: LCS-34306		Laboratory Control Sample				Run: CVAA_C203_120712B			07/12/12 13:22	
Mercury		0.0055	mg/L	0.0020	110	85	115			
Sample ID: LCSD-34306		Laboratory Control Sample Duplicate				Run: CVAA_C203_120712B			07/12/12 13:23	
Mercury		0.0052	mg/L	0.0020	103	85	115	6.9	10	
Sample ID: C12070100-001CDIL		Serial Dilution				Run: CVAA_C203_120712B			07/12/12 13:26	
Mercury		ND	mg/L	0.0020					10	
Sample ID: C12070100-003CMS		Sample Matrix Spike				Run: CVAA_C203_120712B			07/12/12 13:33	
Mercury		0.0050	mg/L	0.0020	100	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 08/13/12

Project: Daneros WR **Work Order:** C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW7471A									Analytical Run: CVAA_C203_120710A	
Sample ID: ICV		Initial Calibration Verification Standard							07/10/12 09:15	
Mercury		0.0050	mg/kg	0.050	101	90	110			
Method: SW7471A									Batch: 34255	
Sample ID: MB-34255		Method Blank				Run: CVAA_C203_120710A			07/10/12 09:17	
Mercury		ND	mg/kg	0.003						
Sample ID: LCS3-34255		Laboratory Control Sample				Run: CVAA_C203_120710A			07/10/12 09:20	
Mercury		4.4	mg/kg	0.19	92	70.8	127			
Sample ID: C12070100-001BDIL		Serial Dilution				Run: CVAA_C203_120710A			07/10/12 09:22	
Mercury		ND	mg/kg-dry	0.050						
Sample ID: C12070100-001BMS		Sample Matrix Spike				Run: CVAA_C203_120710A			07/10/12 09:24	
Mercury		0.98	mg/kg-dry	0.050	104	85	115			
Sample ID: C12070100-001BMSD		Sample Matrix Spike Duplicate				Run: CVAA_C203_120710A			07/10/12 09:25	
Mercury		0.86	mg/kg-dry	0.050	92	85	115	13	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 08/13/12
Project: Daneros WR
Work Order: C12070100

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW9045D										Batch: 34259
Sample ID: C12070116-001BDUP		Sample Duplicate				Run: ORION 3 STAR PH_120709A			07/09/12 18:41	
Corrosivity - pH		5.03	s.u.	0.010				0.4	10	
Sample ID: LCS1-34259		Laboratory Control Sample				Run: ORION 3 STAR PH_120709A			07/09/12 18:41	
Corrosivity - pH		7.03	s.u.	0.010	99	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Standard Reporting Procedures

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Workorder Receipt Checklist

Denison Mines USA Corp C12070100

Login completed by: Timothy I.. Houghteling
Date Received: 7/3/2012
Reviewed by: BL2000\kschroeder
Received by: km
Reviewed Date: 7/10/2012
Carrier name: 2nd Day Air

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	22.2°C		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

ENERGY LABORATORIES

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
Denison	Daneros WR	State: UT	Yes ☒ No ☐
Report Mail Address:	**Contact Name:** / **Phone/Fax:**	**Email:**	**Sampler: (Please Print)**
Denver	Christy Woodward		Flannery
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**
			3776

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

- ☐ DW
- ☐ GSA
- ☐ POTW/WWTP
- ☐ State: _____
- ☐ Other: _____
- ☐ A2LA
- ☐ EDD/EDT (Electronic Data) Format: _____
- ☐ LEVEL IV
- ☐ NELAC

Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: UPS-2nd

Cooler ID(s): /

Receipt Temp: 23.2 °C

On Ice: Yes (No)

Custody Seal Y (N) Intact Y (N) Signature Match Y (N)

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	ANALYSIS REQUESTED: 3776	SEE ATTACHED	Normal Turnaround (TAT)	RUSH
1	Waste Rock Daneros	6-27-12	1014	Soil	X			
2								
3								
4								
5								
6								
7								
8								
9								
10								

LABORATORY USE ONLY: C12070160

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Flannery	6-28-12 1510				
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Sample Disposal: Return to Client: _____ Lab Disposal: _____			Received by Laboratory: Kate Miller	Date/Time: 7/3/12 10:25	Signature:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

ANALYTICAL SUMMARY REPORT

July 18, 2012

Denison Mines USA Corp
1050 17th St Ste 950
Denver, CO 80265

Workorder No.: C12070114

Project Name: Daneros Underground Rock Samples

Energy Laboratories, Inc. Casper WY received the following 10 samples for Denison Mines USA Corp on 7/3/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12070114-001	D-1	06/20/12 0:00	07/03/12	Solid	Metals by ICP/ICPMS, Total Acid Base Potential pH Percent Moisture Digestion, Total Metals ABP Prep in Casper DI Water Soil Extract Sulfur Forms
C12070114-002	D-2	06/20/12 0:00	07/03/12	Solid	Same As Above
C12070114-003	D-3	06/20/12 0:00	07/03/12	Solid	Same As Above
C12070114-004	D-4	06/20/12 0:00	07/03/12	Solid	Same As Above
C12070114-005	D-5	06/20/12 0:00	07/03/12	Solid	Same As Above
C12070114-006	D-6	06/20/12 0:00	07/03/12	Solid	Same As Above
C12070114-007	D-7	06/20/12 0:00	07/03/12	Solid	Same As Above
C12070114-008	D-8	06/20/12 0:00	07/03/12	Solid	Same As Above
C12070114-009	D-9	06/20/12 0:00	07/03/12	Solid	Same As Above
C12070114-010	D-10	06/20/12 0:00	07/03/12	Solid	Same As Above

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

CLIENT: Denison Mines USA Corp
Project: Daneros Underground Rock Samples
Sample Delivery Group: C12070114

Report Date: 07/18/12

CASE NARRATIVE

BRANCH LABORATORY SUBCONTRACT ANALYSIS
Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS
Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:
USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001, Radiochemical WY200002; Utah: WY00002; Virginia: 00057; Washington: C836

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Underground Rock Samples
Lab ID: C12070114-001
Client Sample ID: D-1

Report Date: 07/18/12
Collection Date: 06/20/12
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
ACID-BASE POTENTIAL							
Neutralization Potential	11	t/kt		0.1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid Potential	10	t/kt		1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid/Base Potential	0.8	t/kt				Sobek Modifie	07/13/12 15:40 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	0.42	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Hot Water Extractable	0.08	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HCl Extractable	0.03	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HNO3 Extractable	0.28	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Residual	0.02	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
PHYSICAL CHARACTERISTICS							
Moisture	2.0	%		0.1		D2974	07/06/12 11:14 / dm
1:X SOIL:WATER							
pH, 1:1	6.6	s.u.		0.1		ASA10-3	07/06/12 15:56 / dm
METALS - TOTAL							
Copper	3.3	mg/kg-dry	D	1.6		SW6010B	07/11/12 02:16 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Underground Rock Samples
Lab ID: C12070114-002
Client Sample ID: D-2

Report Date: 07/18/12
Collection Date: 06/20/12
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
ACID-BASE POTENTIAL							
Neutralization Potential	4	t/kt		0.1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid Potential	28	t/kt		1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid/Base Potential	-24	t/kt				Sobek Modifie	07/13/12 15:40 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	0.98	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Hot Water Extractable	0.09	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HCl Extractable	0.08	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HNO3 Extractable	0.72	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Residual	0.09	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
PHYSICAL CHARACTERISTICS							
Moisture	3.6	%		0.1		D2974	07/06/12 11:14 / dm
1:X SOIL:WATER							
pH, 1:1	2.9	s.u.		0.1		ASA10-3	07/06/12 15:56 / dm
METALS - TOTAL							
Copper	13.2	mg/kg-dry	D	1.6		SW6010B	07/11/12 02:44 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Underground Rock Samples
Lab ID: C12070114-003
Client Sample ID: D-3

Report Date: 07/18/12
Collection Date: 06/20/12
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
ACID-BASE POTENTIAL							
Neutralization Potential	0	t/kt		0.1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid Potential	139	t/kt		1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid/Base Potential	-139	t/kt				Sobek Modifie	07/13/12 15:40 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	5.0	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Hot Water Extractable	0.52	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HCl Extractable	0.15	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HNO3 Extractable	4.0	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Residual	0.31	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
PHYSICAL CHARACTERISTICS							
Moisture	1.5	%		0.1		D2974	07/06/12 11:14 / dm
1:X SOIL:WATER							
pH, 1:1	2.2	s.u.		0.1		ASA10-3	07/06/12 15:56 / dm
METALS - TOTAL							
Copper	117	mg/kg-dry	D	1.6		SW6010B	07/11/12 02:48 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Underground Rock Samples
Lab ID: C12070114-004
Client Sample ID: D-4

Report Date: 07/18/12
Collection Date: 06/20/12
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
ACID-BASE POTENTIAL							
Neutralization Potential	12	t/kt		0.1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid Potential	4	t/kt		1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid/Base Potential	8	t/kt				Sobek Modifie	07/13/12 15:40 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	0.13	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Hot Water Extractable	0.02	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HCl Extractable	ND	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HNO3 Extractable	0.05	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Residual	0.06	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
PHYSICAL CHARACTERISTICS							
Moisture	1.1	%		0.1		D2974	07/06/12 11:15 / dm
1:X SOIL:WATER							
pH, 1:1	9.2	s.u.		0.1		ASA10-3	07/06/12 15:56 / dm
METALS - TOTAL							
Copper	389	mg/kg-dry	D	1.6		SW6010B	07/11/12 02:52 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Underground Rock Samples
Lab ID: C12070114-005
Client Sample ID: D-5

Report Date: 07/18/12
Collection Date: 06/20/12
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
ACID-BASE POTENTIAL							
Neutralization Potential	12	t/kt		0.1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid Potential	119	t/kt		1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid/Base Potential	-107	t/kt				Sobek Modifie	07/13/12 15:40 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	4.1	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Hot Water Extractable	0.28	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HCl Extractable	0.22	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HNO3 Extractable	1.8	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Residual	1.8	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
PHYSICAL CHARACTERISTICS							
Moisture	0.6	%		0.1		D2974	07/06/12 11:15 / dm
1:X SOIL:WATER							
pH, 1:1	3.0	s.u.		0.1		ASA10-3	07/06/12 15:56 / dm
METALS - TOTAL							
Copper	6590	mg/kg-dry	D	1.6		SW6010B	07/11/12 02:56 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Underground Rock Samples
Lab ID: C12070114-006
Client Sample ID: D-6

Report Date: 07/18/12
Collection Date: 06/20/12
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
ACID-BASE POTENTIAL							
Neutralization Potential	0	t/kt		0.1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid Potential	61	t/kt		1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid/Base Potential	-61	t/kt				Sobek Modifie	07/13/12 15:40 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	2.7	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Hot Water Extractable	0.80	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HCl Extractable	0.01	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HNO3 Extractable	1.6	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Residual	0.36	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
PHYSICAL CHARACTERISTICS							
Moisture	3.3	%		0.1		D2974	07/06/12 11:15 / dm
1:X SOIL:WATER							
pH, 1:1	2.5	s.u.		0.1		ASA10-3	07/06/12 15:56 / dm
METALS - TOTAL							
Copper	9550	mg/kg-dry	D	1.6		SW6010B	07/11/12 03:00 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Underground Rock Samples
Lab ID: C12070114-007
Client Sample ID: D-7

Report Date: 07/18/12
Collection Date: 06/20/12
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
ACID-BASE POTENTIAL							
Neutralization Potential	3	t/kt		0.1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid Potential	12	t/kt		1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid/Base Potential	-9	t/kt				Sobek Modifie	07/13/12 15:40 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	0.54	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Hot Water Extractable	0.15	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HCl Extractable	0.04	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HNO3 Extractable	0.31	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Residual	0.04	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
PHYSICAL CHARACTERISTICS							
Moisture	4.1	%		0.1		D2974	07/06/12 11:15 / dm
1:X SOIL:WATER							
pH, 1:1	2.4	s.u.		0.1		ASA10-3	07/06/12 15:56 / dm
METALS - TOTAL							
Copper	22.0	mg/kg-dry	D	1.6		SW6010B	07/11/12 03:04 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Underground Rock Samples
Lab ID: C12070114-008
Client Sample ID: D-8

Report Date: 07/18/12
Collection Date: 06/20/12
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
ACID-BASE POTENTIAL							
Neutralization Potential	2	t/kt		0.1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid Potential	17	t/kt		1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid/Base Potential	-15	t/kt				Sobek Modifie	07/13/12 15:40 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	0.79	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Hot Water Extractable	0.24	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HCl Extractable	0.04	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HNO3 Extractable	0.44	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Residual	0.08	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
PHYSICAL CHARACTERISTICS							
Moisture	3.3	%		0.1		D2974	07/06/12 11:16 / dm
1:X SOIL:WATER							
pH, 1:1	2.4	s.u.		0.1		ASA10-3	07/06/12 15:56 / dm
METALS - TOTAL							
Copper	39.4	mg/kg-dry	D	1.6		SW6010B	07/11/12 03:08 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Underground Rock Samples
Lab ID: C12070114-009
Client Sample ID: D-9

Report Date: 07/18/12
Collection Date: 06/20/12
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
ACID-BASE POTENTIAL							
Neutralization Potential	0	t/kt		0.1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid Potential	132	t/kt		1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid/Base Potential	-132	t/kt				Sobek Modifie	07/13/12 15:40 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	5.1	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Hot Water Extractable	0.86	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HCl Extractable	0.12	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HNO3 Extractable	3.6	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Residual	0.48	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
PHYSICAL CHARACTERISTICS							
Moisture	6.4	%		0.1		D2974	07/06/12 11:16 / dm
1:X SOIL:WATER							
pH, 1:1	1.7	s.u.		0.1		ASA10-3	07/06/12 15:56 / dm
METALS - TOTAL							
Copper	173	mg/kg-dry	D	1.7		SW6010B	07/11/12 03:24 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Underground Rock Samples
Lab ID: C12070114-010
Client Sample ID: D-10

Report Date: 07/18/12
Collection Date: 06/20/12
DateReceived: 07/03/12
Matrix: Solid

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
ACID-BASE POTENTIAL							
Neutralization Potential	4	t/kt		0.1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid Potential	3	t/kt		1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid/Base Potential	1	t/kt				Sobek Modifie	07/13/12 15:40 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	0.16	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Hot Water Extractable	0.06	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HCl Extractable	0.04	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HNO3 Extractable	0.06	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Residual	ND	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
PHYSICAL CHARACTERISTICS							
Moisture	0.2	%		0.1		D2974	07/06/12 11:16 / dm
1:X SOIL:WATER							
pH, 1:1	2.7	s.u.		0.1		ASA10-3	07/06/12 15:56 / dm
METALS - TOTAL							
Copper	76.8	mg/kg-dry	D	1.6		SW6010B	07/11/12 03:28 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/18/12
Project: Daneros Underground Rock Samples
Work Order: C12070114

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: ASA10-3										Batch: 34232
Sample ID: C12070114-001ADUP		Sample Duplicate				Run: ORION 3 STAR PH_120706D			07/06/12 15:56	
pH, 1:1		7.41	s.u.	0.10				11	20	
Sample ID: LCS1-34232		Laboratory Control Sample				Run: ORION 3 STAR PH_120706D			07/06/12 15:56	
pH, 1:1		6.97	s.u.	0.10	98	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 07/18/12

Project: Daneros Underground Rock Samples **Work Order:** C12070114

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Sobek Modified									Batch: B_R188395	
Sample ID: B12070664-001ADUP	3	Sample Duplicate				Run: SUB-B188395			07/13/12 15:40	
Neutralization Potential		6.1	t/kt	0.10				0.0	50	
Acid Potential		25	t/kt	1.0				2.5	50	
Acid/Base Potential		-19	t/kt					3.3	50	
The acid-base potential was calculated from the non-sulfate sulfur %										
Sample ID: LCS-SOL0715120713	3	Laboratory Control Sample				Run: SUB-B188395			07/13/12 15:40	
Neutralization Potential		78	t/kt	0.10	97	50	200			
Acid Potential		4.1	t/kt	1.0	102	50	200			
Acid/Base Potential		74	t/kt		97	50	200			
The acid-base potential was calculated from the non-sulfate sulfur %										
Sample ID: B12070664-001ADUP	5	Sample Duplicate				Run: SUB-B188395			07/13/12 15:40	
Sulfur, Total		0.92	%	0.01				0.0	50	
Sulfur, Hot Water Extractable		0.13	%	0.01				17	50	
Sulfur, HCl Extractable		ND	%	0.01					50	
Sulfur, HNO3 Extractable		0.71	%	0.01				1.4	50	
Sulfur, Residual		0.08	%	0.01				12	50	
Sample ID: LCS-SOL0715120713	5	Laboratory Control Sample				Run: SUB-B188395			07/13/12 15:40	
Sulfur, Total		0.17	%	0.01	97	50	200			
Sulfur, Hot Water Extractable		0.04	%	0.01	90	50	200			
Sulfur, HCl Extractable		0.02	%	0.01	120	50	200			
Sulfur, HNO3 Extractable		0.08	%	0.01	95	50	200			
Sulfur, Residual		0.03	%	0.01	150	50	200			
Sample ID: B12070665-008ADUP	3	Sample Duplicate				Run: SUB-B188395			07/13/12 15:41	
Neutralization Potential		2.2	t/kt	0.10				0.0	50	
Acid Potential		18	t/kt	1.0				3.5	50	
Acid/Base Potential		-16	t/kt					4.0	50	
The acid-base potential was calculated from the non-sulfate sulfur %										
Sample ID: B12070665-008ADUP	5	Sample Duplicate				Run: SUB-B188395			07/13/12 15:41	
Sulfur, Total		0.83	%	0.01				4.9	50	
Sulfur, Hot Water Extractable		0.26	%	0.01				8.2	50	
Sulfur, HCl Extractable		0.04	%	0.01				0.0	50	
Sulfur, HNO3 Extractable		0.47	%	0.01				6.6	50	
Sulfur, Residual		0.07	%	0.01				13	50	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 07/18/12

Project: Daneros Underground Rock Samples **Work Order:** C12070114

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Analytical Run: ICP2-C_120710A	
Sample ID: ICV		Initial Calibration Verification Standard							07/10/12 15:19	
Copper		1.01	mg/L	0.010	101	95	105			
Sample ID: ICSA		Interference Check Sample A							07/10/12 16:02	
Copper		0.00580	mg/L	0.010						
Sample ID: ICSAB		Interference Check Sample AB							07/10/12 16:06	
Copper		0.548	mg/L	0.010	110	80	120			
Method: SW6010B									Batch: 34261	
Sample ID: MB-34261		Method Blank				Run: ICP2-C_120710A			07/11/12 01:59	
Copper		0.7	mg/kg	0.2						
Sample ID: LFB-34261		Laboratory Fortified Blank				Run: ICP2-C_120710A			07/11/12 02:04	
Copper		27	mg/kg	1.0	106	80	120			
Sample ID: LCS3-34261		Laboratory Control Sample				Run: ICP2-C_120710A			07/11/12 02:08	
Copper		270	mg/kg	1.6	97	77.5	120			
Sample ID: C12070114-001ADIL		Serial Dilution				Run: ICP2-C_120710A			07/11/12 02:32	
Copper		ND	mg/kg-dry	7.9		0	0		10	
Sample ID: C12070114-001AMS3		Sample Matrix Spike				Run: ICP2-C_120710A			07/11/12 02:36	
Copper		30	mg/kg-dry	1.6	105	75	125			
Sample ID: C12070114-001AMSD		Sample Matrix Spike Duplicate				Run: ICP2-C_120710A			07/11/12 02:40	
Copper		29	mg/kg-dry	1.6	100	75	125	4.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Standard Reporting Procedures

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Workorder Receipt Checklist

Denison Mines USA Corp C12070114

Login completed by: Timothy I.. Houghteling
Date Received: 7/3/2012
Reviewed by: BL2000\kschroeder
Received by: km
Reviewed Date: 7/12/2012
Carrier name: 2nd Day Air

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	23.2°C No Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name: Denison Mines (USA) Corp	Project Name, PWS, Permit, Etc.: Daneros Underground Rock Samples	Sample Origin State: UT	EPA/State Compliance: Yes ☐ No ☑
Report Mail Address: 1050 17th Street, Ste 950, Denver, Colorado 80265	Contact Name: Christy Woodward; Phone/Fax: 303.389.4136	Email: cwoodward@denisonmin	Sampler: (Please Print) Mark Nelson
Invoice Address: 1050 17th Street, Ste 950, Denver, Colorado 80265	Invoice Contact & Phone: Jan Dalla 303.628.7798	Purchase Order:	Quote/Bottle Order:

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

- ☐ DW
- ☐ GSA
- ☐ POTW/WWTP
- ☐ State: _____
- ☐ Other: _____
- ☐ A2LA
- ☐ EDD/EDT (Electronic Data) Format: _____
- ☐ LEVEL IV
- ☐ NELAC

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: UPS 2nd

Cooler ID(s):

Receipt Temp 23.2 °C IR-2

On Ice: Yes (No)

Custody Seal Y (N)
Intact Y (N)
Signature Match Y (N)

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	Modified Sobek ABA	Total Copper							SEE ATTACHED	Normal Turnaround (TAT)	RUSH
1 D-1	06/20/12		Soil/Solids	X	X									
2 D-2	06/20/12		Soil/Solids	X	X									
3 D-3	06/20/12		Soil/Solids	X	X									
4 D-4	06/20/12		Soil/Solids	X	X									
5 D-5	06/20/12		Soil/Solids	X	X									
6														
7														
8														
9														
10														

LABORATORY USE ONLY: C1207 0114

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Christy Woodward	6-28-12	Christy Woodward			
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory: Kate Miller	Date/Time: 7/3/12 10:25	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name: Denison Mines (USA) Corp	Project Name, PWS, Permit, Etc.: Daneros Underground Rock Samples	Sample Origin State: UT	EPA/State Compliance: Yes ☐ No ☑
Report Mail Address: 1050 17th Street, Ste 950, Denver, Colorado 80265	Contact Name: Christy Woodward; Phone/Fax: 303.389.4136	Email: cwoodward@denisonmin	Sampler: (Please Print) Mark Nelson
Invoice Address: 1050 17th Street, Ste 950, Denver, Colorado 80265	Invoice Contact & Phone: Jan Dalla 303.628.7798	Purchase Order:	Quote/Bottle Order:

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

- ☐ DW
- ☐ GSA
- ☐ POTW/WWTP
- ☐ State: _____
- ☐ Other: _____
- ☐ A2LA
- ☐ EDD/EDT (Electronic Data) Format: _____
- ☐ LEVEL IV
- ☐ NELAC

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: UPS 2nd

Cooler ID(s): /

Receipt Temp: 23.2 °C

On Ice: Yes (No)

Custody Seal Y (N)

Intact Y (N)

Signature Match Y (N)

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	Modified Sobek ARA	Total Copper								SEE ATTACHED	Normal Turnaround (TAT)	RUSH
1	D-6	06/20/12		Soil/Solids	X	X										
2	D-7	06/20/12		Soil/Solids	X	X										
3	D-8	06/20/12		Soil/Solids	X	X										
4	D-9	06/20/12		Soil/Solids	X	X										
5	D-10	06/20/12		Soil/Solids	X	X										
6																
7																
8																
9																
10																

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Christy Woodward		Christy Woodward			
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory: Rick Miller	Date/Time: 7/13/12 10:25	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

ANALYTICAL SUMMARY REPORT

July 27, 2012

Denison Mines USA Corp
1050 17th St Ste 950
Denver, CO 80265

Workorder No.: C12070116 Quote ID: C3820 - Daneros SPLP

Project Name: Daneros Underground Rock Samples

Energy Laboratories, Inc. Casper WY received the following 1 sample for Denison Mines USA Corp on 7/5/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12070116-001	Low Grade	06/20/12 0:00	07/05/12	Rock	Metals by ICP/ICPMS, Total Metals, SPLP Extractable Acid Base Potential Mercury, SPLP Mercury, Total Mercury Analysis Prep Filterability Nitrate+Nitrite as N, KCL Extract Nitrogen, Nitrate + Nitrite pH corrosivity Percent Moisture Digestion, Total Metals Digestion, Total Metals ABP Prep in Casper CVAA Permanganate Digest KCL Soil Extract Corrosivity pH prep Services Provided by Lab Sulfur Forms SPLP Extraction, Regular

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

CLIENT: Denison Mines USA Corp
Project: Daneros Underground Rock Samples
Sample Delivery Group: C12070116

Report Date: 07/27/12

CASE NARRATIVE

PREP COMMENTS
The prep hold time for the extraction of SPLP metals was exceeded by 6.55 days.
The prep hold time for mercury analysis was exceeded by 5.56 days.

BRANCH LABORATORY SUBCONTRACT ANALYSIS
Tests associated with analyst identified as ELI-B were subcontracted to Energy Laboratories, 1120 S. 27th St., Billings, MT, EPA Number MT00005.

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS
Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:
USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001, Radiochemical WY200002; Utah: WY00002; Virginia: 00057; Washington: C836

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Underground Rock Samples
Lab ID: C12070116-001
Client Sample ID: Low Grade

Report Date: 07/27/12
Collection Date: 06/20/12
DateReceived: 07/05/12
Matrix: Rock

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL CHARACTERISTICS							
Filterable	No					SW1311	07/11/12 14:55 / dcj
Moisture	1.9	%		0.1		D2974	07/06/12 11:16 / dm
PHYSICAL PROPERTIES							
Corrosivity - pH	5.01	s.u.		0.01		SW9045D	07/09/12 18:41 / jes
ACID-BASE POTENTIAL							
Neutralization Potential	13	t/kt		0.1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid Potential	47	t/kt		1		Sobek Modifie	07/13/12 15:40 / eli-b
Acid/Base Potential	-34	t/kt				Sobek Modifie	07/13/12 15:40 / eli-b
The acid-base potential was calculated from the non-sulfate sulfur %							
SULFUR FORMS							
Sulfur, Total	1.7	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Hot Water Extractable	0.16	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HCl Extractable	0.12	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, HNO3 Extractable	0.91	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
Sulfur, Residual	0.46	%		0.01		Sobek Modifie	07/13/12 15:40 / eli-b
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	83.2	mg/kg-dry	D	9.9		E353.2	07/11/12 12:37 / lr
NUTRIENTS - SPLP EXTRACTABLE							
Nitrogen, Nitrate+Nitrite as N	11.6	mg/L	DB	0.5		E353.2	07/26/12 16:52 / ljl
METALS - SPLP EXTRACTABLE							
Antimony	0.008	mg/L	D	0.002		SW6020	07/25/12 02:46 / cp
Arsenic	0.022	mg/L		0.001		SW6020	07/25/12 02:46 / cp
Barium	ND	mg/L		0.05		SW6020	07/25/12 02:46 / cp
Beryllium	ND	mg/L	D	0.002		SW6020	07/25/12 02:46 / cp
Cadmium	ND	mg/L		0.001		SW6020	07/25/12 02:46 / cp
Chromium	ND	mg/L		0.005		SW6020	07/25/12 02:46 / cp
Copper	0.19	mg/L		0.005		SW6020	07/25/12 02:46 / cp
Lead	ND	mg/L		0.001		SW6020	07/25/12 02:46 / cp
Manganese	0.28	mg/L		0.001		SW6020	07/25/12 02:46 / cp
Mercury	ND	mg/L		0.0020		SW7470A	07/12/12 13:34 / jrm
Molybdenum	0.090	mg/L		0.001		SW6020	07/25/12 02:46 / cp
Nickel	0.49	mg/L		0.005		SW6020	07/25/12 02:46 / cp
Selenium	0.001	mg/L		0.001		SW6020	07/25/12 02:46 / cp
Silver	ND	mg/L	D	0.002		SW6020	07/25/12 02:46 / cp
Thallium	0.003	mg/L	D	0.001		SW6020	07/25/12 02:46 / cp
Uranium	0.26	mg/L	D	0.0006		SW6020	07/25/12 02:46 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
B - The analyte was detected in the method blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Daneros Underground Rock Samples
Lab ID: C12070116-001
Client Sample ID: Low Grade

Report Date: 07/27/12
Collection Date: 06/20/12
DateReceived: 07/05/12
Matrix: Rock

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - SPLP EXTRACTABLE							
Vanadium	ND	mg/L		0.01		SW6020	07/25/12 02:46 / cp
Zinc	0.18	mg/L	B	0.01		SW6020	07/25/12 02:46 / cp
METALS - TOTAL							
Antimony	0.7	mg/kg-dry		0.5		SW6020	07/25/12 03:18 / cp
Arsenic	153	mg/kg-dry		0.5		SW6020	07/25/12 03:18 / cp
Barium	129	mg/kg-dry		0.5		SW6020	07/25/12 03:18 / cp
Beryllium	ND	mg/kg-dry		0.5		SW6010B	07/12/12 21:05 / sf
Cadmium	0.6	mg/kg-dry		0.5		SW6020	07/25/12 03:18 / cp
Chromium	4.9	mg/kg-dry		0.5		SW6020	07/25/12 03:18 / cp
Copper	3160	mg/kg-dry	D	1.6		SW6010B	07/12/12 21:05 / sf
Lead	107	mg/kg-dry		0.5		SW6020	07/25/12 03:18 / cp
Manganese	34.9	mg/kg-dry		0.5		SW6010B	07/12/12 21:05 / sf
Mercury	ND	mg/kg-dry		0.05		SW7471A	07/24/12 13:50 / jrm
Molybdenum	111	mg/kg-dry	D	5.3		SW6010B	07/12/12 21:05 / sf
Nickel	67.1	mg/kg-dry		0.5		SW6010B	07/12/12 21:05 / sf
Selenium	0.6	mg/kg-dry		0.5		SW6020	07/25/12 03:18 / cp
Silver	5.4	mg/kg-dry		0.5		SW6020	07/25/12 03:18 / cp
Thallium	2.6	mg/kg-dry		0.5		SW6020	07/25/12 03:18 / cp
Uranium	1850	mg/kg-dry	D	175		SW6010B	07/12/12 21:05 / sf
Vanadium	9.8	mg/kg-dry		0.5		SW6020	07/25/12 03:18 / cp
Zinc	217	mg/kg-dry	D	3.8		SW6010B	07/12/12 21:05 / sf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
B - The analyte was detected in the method blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/27/12
Project: Daneros Underground Rock Samples
Work Order: C12070116

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: 34265
Sample ID: LCS1-34265		Laboratory Control Sample				Run: TECHNICON_120711A				07/11/12 12:22
Nitrogen, Nitrate+Nitrite as N		5.29	mg/kg-dry	1.0	103	80	120			
Sample ID: C12070116-001BDUP		Sample Duplicate				Run: TECHNICON_120711A				07/11/12 12:40
Nitrogen, Nitrate+Nitrite as N		80.5	mg/kg-dry	10.0				3.3	20	
Method: E353.2										Batch: 34270
Sample ID: LCS-34270		Laboratory Control Sample				Run: TECHNICON_120726A				07/26/12 16:40
Nitrogen, Nitrate+Nitrite as N		28.0	mg/L	1.0	106	90	110			
Sample ID: C12070100-003CMS		Sample Matrix Spike				Run: TECHNICON_120726A				07/26/12 16:50
Nitrogen, Nitrate+Nitrite as N		22.5	mg/L	0.50	97	90	110			
Sample ID: C12070116-001AMS		Sample Matrix Spike				Run: TECHNICON_120726A				07/26/12 16:55
Nitrogen, Nitrate+Nitrite as N		20.8	mg/L	0.50	96	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 07/27/12

Project: Daneros Underground Rock Samples **Work Order:** C12070116

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Sobek Modified										Batch: B_R188395
Sample ID: B12070664-001ADUP	3	Sample Duplicate				Run: SUB-B188395			07/13/12 15:40	
Neutralization Potential		6.1	t/kt	0.10				0.0	50	
Acid Potential		25	t/kt	1.0				2.5	50	
Acid/Base Potential		-19	t/kt					3.3	50	
The acid-base potential was calculated from the non-sulfate sulfur %										
Sample ID: LCS-SOL0715120713	3	Laboratory Control Sample				Run: SUB-B188395			07/13/12 15:40	
Neutralization Potential		78	t/kt	0.10	97	50	200			
Acid Potential		4.1	t/kt	1.0	102	50	200			
Acid/Base Potential		74	t/kt		97	50	200			
The acid-base potential was calculated from the non-sulfate sulfur %										
Sample ID: B12070664-001ADUP	5	Sample Duplicate				Run: SUB-B188395			07/13/12 15:40	
Sulfur, Total		0.92	%	0.01				0.0	50	
Sulfur, Hot Water Extractable		0.13	%	0.01				17	50	
Sulfur, HCl Extractable		ND	%	0.01					50	
Sulfur, HNO3 Extractable		0.71	%	0.01				1.4	50	
Sulfur, Residual		0.08	%	0.01				12	50	
Sample ID: LCS-SOL0715120713	5	Laboratory Control Sample				Run: SUB-B188395			07/13/12 15:40	
Sulfur, Total		0.17	%	0.01	97	50	200			
Sulfur, Hot Water Extractable		0.04	%	0.01	90	50	200			
Sulfur, HCl Extractable		0.02	%	0.01	120	50	200			
Sulfur, HNO3 Extractable		0.08	%	0.01	95	50	200			
Sulfur, Residual		0.03	%	0.01	150	50	200			
Sample ID: B12070665-008ADUP	3	Sample Duplicate				Run: SUB-B188395			07/13/12 15:41	
Neutralization Potential		2.2	t/kt	0.10				0.0	50	
Acid Potential		18	t/kt	1.0				3.5	50	
Acid/Base Potential		-16	t/kt					4.0	50	
The acid-base potential was calculated from the non-sulfate sulfur %										
Sample ID: B12070665-008ADUP	5	Sample Duplicate				Run: SUB-B188395			07/13/12 15:41	
Sulfur, Total		0.83	%	0.01				4.9	50	
Sulfur, Hot Water Extractable		0.26	%	0.01				8.2	50	
Sulfur, HCl Extractable		0.04	%	0.01				0.0	50	
Sulfur, HNO3 Extractable		0.47	%	0.01				6.6	50	
Sulfur, Residual		0.07	%	0.01				13	50	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 07/27/12

Project: Daneros Underground Rock Samples **Work Order:** C12070116

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Analytical Run: ICP2-C_120712A	
Sample ID: ICV	7	Initial Calibration Verification Standard							07/12/12 12:29	
Beryllium		0.516	mg/L	0.010	103	95	105			
Copper		1.00	mg/L	0.010	100	95	105			
Manganese		5.15	mg/L	0.010	103	95	105			
Molybdenum		1.00	mg/L	0.10	100	95	105			
Nickel		0.980	mg/L	0.050	98	95	105			
Uranium		5.12	mg/L	1.0	102	95	105			
Zinc		0.986	mg/L	0.010	99	95	105			
Sample ID: ICSA	7	Interference Check Sample A							07/12/12 13:09	
Beryllium		0.000400	mg/L	0.010						
Copper		0.00630	mg/L	0.010						
Manganese		-0.00320	mg/L	0.010						
Molybdenum		-0.0214	mg/L	0.10						
Nickel		-0.00160	mg/L	0.050						
Uranium		-0.0265	mg/L	1.0						
Zinc		-0.00590	mg/L	0.010						
Sample ID: ICSAB	7	Interference Check Sample AB							07/12/12 13:13	
Beryllium		0.519	mg/L	0.010						
Copper		0.545	mg/L	0.010	109	80	120			
Manganese		0.527	mg/L	0.010	105	80	120			
Molybdenum		-0.0247	mg/L	0.10						
Nickel		0.964	mg/L	0.050	96	80	120			
Uranium		-0.0125	mg/L	1.0						
Zinc		1.02	mg/L	0.010	102	80	120			
Method: SW6010B										Batch: 34261
Sample ID: MB-34261	7	Method Blank				Run: ICP2-C_120712A				07/12/12 20:49
Beryllium		ND	mg/kg	0.008						
Copper		0.7	mg/kg	0.2						
Manganese		0.1	mg/kg	0.02						
Molybdenum		ND	mg/kg	0.5						
Nickel		ND	mg/kg	0.03						
Uranium		ND	mg/kg	20						
Zinc		ND	mg/kg	0.4						
Sample ID: LFB-34261	7	Laboratory Fortified Blank				Run: ICP2-C_120712A				07/12/12 20:53
Beryllium		13	mg/kg	1.0	108	80	120			
Copper		27	mg/kg	1.0	107	80	120			
Manganese		130	mg/kg	1.0	106	80	120			
Molybdenum		30	mg/kg	1.0	120	80	120			
Nickel		26	mg/kg	1.0	105	80	120			
Uranium		28	mg/kg	17	111	80	120			
Zinc		26	mg/kg	1.0	106	80	120			
Sample ID: C12070116-001BDIL	7	Serial Dilution				Run: ICP2-C_120712A				07/12/12 21:09
Beryllium		ND	mg/kg-dry	1.0		0	0		10	
Copper		3100	mg/kg-dry	8.0		0	0	2.7	10	

Qualifiers:

RL - Analyte reporting limit. ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 07/27/12

Project: Daneros Underground Rock Samples **Work Order:** C12070116

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B										Batch: 34261
Sample ID: C12070116-001BDIL	7	Serial Dilution				Run: ICP2-C_120712A			07/12/12 21:09	
Manganese		33	mg/kg-dry	1.2		0	0	6.3	10	
Molybdenum		95	mg/kg-dry	26		0	0		10	N
Nickel		63	mg/kg-dry	1.5		0	0	6.4	10	
Uranium		1700	mg/kg-dry	880		0	0		10	N
Zinc		210	mg/kg-dry	19		0	0	2.6	10	
Sample ID: C12070205-001AMS3	7	Sample Matrix Spike				Run: ICP2-C_120712A			07/12/12 21:17	
Beryllium		74	mg/kg-dry	1.0	-14	75	125			S
Copper		240	mg/kg-dry	5.5		75	125			A
Manganese		64000	mg/kg-dry	1.0		75	125			A
Molybdenum		83	mg/kg-dry	18	96	75	125			
Nickel		1400	mg/kg-dry	1.0		75	125			A
Uranium		15000	mg/kg-dry	600		75	125			A
Zinc		2900	mg/kg-dry	13		75	125			A
Sample ID: C12070205-001AMSD	7	Sample Matrix Spike Duplicate				Run: ICP2-C_120712A			07/12/12 21:22	
Beryllium		74	mg/kg-dry	1.0	-13	75	125	0.4	20	S
Copper		240	mg/kg-dry	5.5		75	125	2.6	20	A
Manganese		67000	mg/kg-dry	1.0		75	125	4.7	20	A
Molybdenum		87	mg/kg-dry	18	100	75	125	4.7	20	
Nickel		1400	mg/kg-dry	1.0		75	125	3.8	20	A
Uranium		15000	mg/kg-dry	600		75	125	5.7	20	A
Zinc		3000	mg/kg-dry	13		75	125	3.1	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 07/27/12

Project: Daneros Underground Rock Samples **Work Order:** C12070116

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS2-C_120724A	
Sample ID: ICV	17	Initial Calibration Verification Standard							07/24/12 10:51	
Antimony		0.0521	mg/L	0.0010	104	90	110			
Arsenic		0.0501	mg/L	0.0010	100	90	110			
Barium		0.0501	mg/L	0.0010	100	90	110			
Beryllium		0.0511	mg/L	0.010	102	90	110			
Cadmium		0.0505	mg/L	0.0010	101	90	110			
Chromium		0.0506	mg/L	0.0010	101	90	110			
Copper		0.0491	mg/L	0.0010	98	90	110			
Lead		0.0505	mg/L	0.0010	101	90	110			
Manganese		0.0504	mg/L	0.0010	101	90	110			
Molybdenum		0.0502	mg/L	0.0010	100	90	110			
Nickel		0.0491	mg/L	0.0010	98	90	110			
Selenium		0.0507	mg/L	0.0010	101	90	110			
Silver		0.0211	mg/L	0.0010	105	90	110			
Thallium		0.0509	mg/L	0.0010	102	90	110			
Uranium		0.0518	mg/L	0.00030	104	90	110			
Vanadium		0.0512	mg/L	0.0010	102	90	110			
Zinc		0.0503	mg/L	0.0010	101	90	110			
Sample ID: ICSA	17	Interference Check Sample A							07/24/12 10:54	
Antimony		0.000407	mg/L	0.0010						
Arsenic		7.99E-05	mg/L	0.0010						
Barium		4.54E-05	mg/L	0.0010						
Beryllium		5.97E-05	mg/L	0.010						
Cadmium		6.19E-05	mg/L	0.0010						
Chromium		1.25E-05	mg/L	0.0010						
Copper		5.24E-05	mg/L	0.0010						
Lead		5.92E-05	mg/L	0.0010						
Manganese		5.54E-05	mg/L	0.0010						
Molybdenum		0.0201	mg/L	0.0010	100	70	130			
Nickel		5.89E-05	mg/L	0.0010						
Selenium		-1.91E-05	mg/L	0.0010						
Silver		0.000350	mg/L	0.0010						
Thallium		8.35E-05	mg/L	0.0010						
Uranium		7.54E-05	mg/L	0.00030						
Vanadium		4.10E-05	mg/L	0.0010						
Zinc		-4.00E-06	mg/L	0.0010						
Sample ID: ICSAB	17	Interference Check Sample AB							07/24/12 10:57	
Antimony		0.000164	mg/L	0.0010						
Arsenic		0.0104	mg/L	0.0010	104	70	130			
Barium		2.54E-05	mg/L	0.0010						
Beryllium		3.53E-05	mg/L	0.010						
Cadmium		0.0103	mg/L	0.0010	103	70	130			
Chromium		0.00998	mg/L	0.0010	100	70	130			
Copper		0.00984	mg/L	0.0010	98	70	130			
Lead		3.62E-05	mg/L	0.0010						
Manganese		0.0101	mg/L	0.0010	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 07/27/12

Project: Daneros Underground Rock Samples **Work Order:** C12070116

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS2-C_120724A	
Sample ID: ICSAB	17	Interference Check Sample AB							07/24/12 10:57	
Molybdenum		0.0201	mg/L	0.0010	101	70	130			
Nickel		0.00993	mg/L	0.0010	99	70	130			
Selenium		0.000159	mg/L	0.0010						
Silver		0.0100	mg/L	0.0010	101	70	130			
Thallium		4.41E-05	mg/L	0.0010						
Uranium		3.85E-05	mg/L	0.00030						
Vanadium		-0.000171	mg/L	0.0010						
Zinc		0.0102	mg/L	0.0010	102	70	130			
Method: SW6020									Batch: 34261	
Sample ID: MB-34261	10	Method Blank				Run: ICPMS2-C_120724A			07/25/12 03:07	
Antimony		0.07	mg/kg	0.006						
Arsenic		0.08	mg/kg	0.01						
Barium		ND	mg/kg	0.02						
Cadmium		0.02	mg/kg	0.004						
Chromium		0.3	mg/kg	0.002						
Lead		0.008	mg/kg	0.004						
Selenium		0.02	mg/kg	0.01						
Silver		0.04	mg/kg	0.02						
Thallium		0.009	mg/kg	0.003						
Vanadium		ND	mg/kg	0.005						
Sample ID: LCS3-34261	10	Laboratory Control Sample				Run: ICPMS2-C_120724A			07/25/12 03:13	
Antimony		47	mg/kg	1.0	37	0	120			
Arsenic		310	mg/kg	1.0	92	72.3	120			
Barium		610	mg/kg	1.0	100	80	120			
Cadmium		130	mg/kg	1.0	98	73	120			
Chromium		70	mg/kg	1.0	92	72.8	120			
Lead		190	mg/kg	1.0	103	75.9	120			
Selenium		190	mg/kg	1.0	95	72.4	120			
Silver		68	mg/kg	1.0	99	67.8	120			
Thallium		88	mg/kg	1.0	97	71.6	120			
Vanadium		64	mg/kg	1.0	87	66.6	120			
Sample ID: C12070116-001BDIL	10	Serial Dilution				Run: ICPMS2-C_120724A			07/25/12 03:20	
Antimony		0.61	mg/kg-dry	1.0		0	0		10	N
Arsenic		130	mg/kg-dry	1.0		0	0	17	10	R
Barium		110	mg/kg-dry	1.1		0	0	19	10	R
Cadmium		0.60	mg/kg-dry	1.0		0	0		10	N
Chromium		4.3	mg/kg-dry	1.0		0	0	14	10	R
Lead		91	mg/kg-dry	1.0		0	0	17	10	R
Selenium		ND	mg/kg-dry	1.0		0	0		10	
Silver		3.8	mg/kg-dry	1.2		0	0		10	N
Thallium		2.3	mg/kg-dry	1.0		0	0	11	10	R
Vanadium		7.9	mg/kg-dry	1.0		0	0	22	10	R

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 07/27/12

Project: Daneros Underground Rock Samples **Work Order:** C12070116

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 34261
Sample ID: C12070114-001AMS3	10	Sample Matrix Spike				Run: ICPMS2-C_120724A			07/25/12 03:37	
Antimony		19	mg/kg-dry	1.0	73	75	125			S
Arsenic		43	mg/kg-dry	1.0	101	75	125			
Barium		85	mg/kg-dry	1.0	73	75	125			S
Cadmium		14	mg/kg-dry	1.0	109	75	125			
Chromium		31	mg/kg-dry	1.0	118	75	125			
Lead		34	mg/kg-dry	1.0	110	75	125			
Selenium		27	mg/kg-dry	1.0	105	75	125			
Silver		15	mg/kg-dry	1.0	117	75	125			
Thallium		28	mg/kg-dry	1.0	108	75	125			
Vanadium		36	mg/kg-dry	1.0	134	75	125			S
Sample ID: C12070114-001AMSD	10	Sample Matrix Spike Duplicate				Run: ICPMS2-C_120724A			07/25/12 03:39	
Antimony		18	mg/kg-dry	1.0	71	75	125	2.4	20	S
Arsenic		47	mg/kg-dry	1.0	116	75	125	8.6	20	
Barium		77	mg/kg-dry	1.0	43	75	125	9.4	20	S
Cadmium		13	mg/kg-dry	1.0	103	75	125	5.9	20	
Chromium		31	mg/kg-dry	1.0	118	75	125	0.1	20	
Lead		33	mg/kg-dry	1.0	109	75	125	0.8	20	
Selenium		25	mg/kg-dry	1.0	100	75	125	4.6	20	
Silver		14	mg/kg-dry	1.0	110	75	125	5.7	20	
Thallium		27	mg/kg-dry	1.0	104	75	125	3.4	20	
Vanadium		36	mg/kg-dry	1.0	136	75	125	1.6	20	S
Method: SW6020										Batch: 34297
Sample ID: MB-34297	17	Method Blank				Run: ICPMS2-C_120724A			07/25/12 02:36	
Antimony		0.0003	mg/L	7E-05						
Arsenic		0.0004	mg/L	6E-05						
Barium		0.03	mg/L	3E-05						
Beryllium		ND	mg/L	3E-05						
Cadmium		0.0001	mg/L	1E-05						
Chromium		0.003	mg/L	4E-05						
Copper		0.004	mg/L	7E-05						
Lead		0.006	mg/L	3E-05						
Manganese		0.008	mg/L	5E-05						
Molybdenum		0.0007	mg/L	5E-05						
Nickel		0.001	mg/L	0.0007						
Selenium		ND	mg/L	0.0002						
Silver		8E-05	mg/L	3E-05						
Thallium		1E-05	mg/L	1E-05						
Uranium		0.0004	mg/L	1E-05						
Vanadium		0.005	mg/L	3E-05						
Zinc		0.03	mg/L	0.0003						
Sample ID: LCS3-34297	17	Laboratory Control Sample				Run: ICPMS2-C_120724A			07/25/12 02:39	
Antimony		0.52	mg/L	0.0020	104	80	120			
Arsenic		0.49	mg/L	0.0010	98	80	120			
Barium		0.53	mg/L	0.050	99	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 07/27/12

Project: Daneros Underground Rock Samples **Work Order:** C12070116

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 34297
Sample ID: LCS3-34297	17	Laboratory Control Sample				Run: ICPMS2-C_120724A			07/25/12 02:39	
Beryllium		0.25	mg/L	0.0020	99	80	120			
Cadmium		0.24	mg/L	0.0010	97	80	120			
Chromium		0.49	mg/L	0.0050	97	80	120			
Copper		0.50	mg/L	0.0050	100	80	120			
Lead		0.51	mg/L	0.0010	101	80	120			
Manganese		2.4	mg/L	0.0010	97	80	120			
Molybdenum		0.53	mg/L	0.0010	106	80	120			
Nickel		0.50	mg/L	0.0050	99	80	120			
Selenium		0.42	mg/L	0.0010	84	80	120			
Silver		0.052	mg/L	0.0020	104	80	120			
Thallium		0.51	mg/L	0.0010	101	80	120			
Uranium		0.53	mg/L	0.00060	107	80	120			
Vanadium		0.50	mg/L	0.010	98	80	120			
Zinc		0.47	mg/L	0.010	88	80	120			
Sample ID: LCSD3-34297	17	Laboratory Control Sample Duplicate				Run: ICPMS2-C_120724A			07/25/12 02:41	
Antimony		0.52	mg/L	0.0020	103	80	120	0.6	20	
Arsenic		0.50	mg/L	0.0010	99	80	120	1.3	20	
Barium		0.53	mg/L	0.050	99	80	120	0.0	20	
Beryllium		0.25	mg/L	0.0020	101	80	120	1.7	20	
Cadmium		0.24	mg/L	0.0010	97	80	120	0.7	20	
Chromium		0.50	mg/L	0.0050	99	80	120	1.3	20	
Copper		0.50	mg/L	0.0050	100	80	120	0.6	20	
Lead		0.52	mg/L	0.0010	103	80	120	1.2	20	
Manganese		2.5	mg/L	0.0010	98	80	120	1.1	20	
Molybdenum		0.52	mg/L	0.0010	104	80	120	1.1	20	
Nickel		0.50	mg/L	0.0050	100	80	120	0.6	20	
Selenium		0.43	mg/L	0.0010	85	80	120	2.3	20	
Silver		0.053	mg/L	0.0020	106	80	120	1.8	20	
Thallium		0.51	mg/L	0.0010	103	80	120	1.5	20	
Uranium		0.54	mg/L	0.00060	107	80	120	0.6	20	
Vanadium		0.50	mg/L	0.010	99	80	120	1.3	20	
Zinc		0.47	mg/L	0.010	89	80	120	1.6	20	
Sample ID: C12070116-001ADIL	17	Serial Dilution				Run: ICPMS2-C_120724A			07/25/12 02:48	
Antimony		0.0089	mg/L	0.010		0	0		20	
Arsenic		0.024	mg/L	0.0050		0	0	6.8	20	
Barium		0.050	mg/L	0.050		0	0		20	
Beryllium		0.0012	mg/L	0.010		0	0		20	N
Cadmium		0.00086	mg/L	0.0050		0	0		20	N
Chromium		0.0038	mg/L	0.0050		0	0		20	N
Copper		0.18	mg/L	0.0050		0	0	2.1	20	
Lead		0.0012	mg/L	0.0050		0	0		20	N
Manganese		0.30	mg/L	0.0050		0	0	6.6	20	
Molybdenum		0.089	mg/L	0.0050		0	0	0.5	20	
Nickel		0.47	mg/L	0.0050		0	0	3.3	20	
Selenium		ND	mg/L	0.0050		0	0		20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 07/27/12

Project: Daneros Underground Rock Samples **Work Order:** C12070116

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020										Batch: 34297
Sample ID: C12070116-001ADIL	17	Serial Dilution				Run: ICPMS2-C_120724A			07/25/12 02:48	
Silver		ND	mg/L	0.010		0	0		20	
Thallium		0.0036	mg/L	0.0050		0	0		20	
Uranium		0.26	mg/L	0.0030		0	0	0.2	20	
Vanadium		0.0020	mg/L	0.010		0	0		20	N
Zinc		0.24	mg/L	0.010		0	0	31	20	R
Sample ID: C12070116-001AMS3	17	Sample Matrix Spike				Run: ICPMS2-C_120724A			07/25/12 03:02	
Antimony		0.51	mg/L	0.0020	101	75	125			
Arsenic		0.56	mg/L	0.0010	108	75	125			
Barium		0.57	mg/L	0.050	104	75	125			
Beryllium		0.25	mg/L	0.0020	99	75	125			
Cadmium		0.24	mg/L	0.0010	95	75	125			
Chromium		0.49	mg/L	0.0050	98	75	125			
Copper		0.84	mg/L	0.0050	130	75	125			S
Lead		0.51	mg/L	0.0010	102	75	125			
Manganese		2.7	mg/L	0.0010	97	75	125			
Molybdenum		0.60	mg/L	0.0010	102	75	125			
Nickel		1.0	mg/L	0.0050	102	75	125			
Selenium		0.42	mg/L	0.0010	84	75	125			
Silver		0.053	mg/L	0.0020	21	75	125			S
Thallium		0.51	mg/L	0.0010	102	75	125			
Uranium		1.2	mg/L	0.00060	195	75	125			S
Vanadium		0.50	mg/L	0.010	99	75	125			
Zinc		0.71	mg/L	0.010	106	75	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

R - RPD exceeds advisory limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/27/12
Project: Daneros Underground Rock Samples
Work Order: C12070116

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW7470A									Analytical Run: CVAA_C203_120712B	
Sample ID: ICV		Initial Calibration Verification Standard							07/12/12 12:55	
Mercury		0.00490	mg/L	0.00010	98	90	110			
Method: SW7470A									Batch: 34306	
Sample ID: MB-34306		Method Blank				Run: CVAA_C203_120712B			07/12/12 13:21	
Mercury		ND	mg/L	3E-05						
Sample ID: LCS-34306		Laboratory Control Sample				Run: CVAA_C203_120712B			07/12/12 13:22	
Mercury		0.0055	mg/L	0.0020	110	85	115			
Sample ID: LCSD-34306		Laboratory Control Sample Duplicate				Run: CVAA_C203_120712B			07/12/12 13:23	
Mercury		0.0052	mg/L	0.0020	103	85	115	6.9	10	
Sample ID: C12070100-001CDIL		Serial Dilution				Run: CVAA_C203_120712B			07/12/12 13:26	
Mercury		ND	mg/L	0.0020					10	
Sample ID: C12070116-001AMS		Sample Matrix Spike				Run: CVAA_C203_120712B			07/12/12 13:35	
Mercury		0.0050	mg/L	0.0020	101	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/27/12
Project: Daneros Underground Rock Samples
Work Order: C12070116

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW7471A									Analytical Run: CVAA_C203_120724A	
Sample ID: ICV		Initial Calibration Verification Standard							07/24/12 13:44	
Mercury		0.0051	mg/kg	0.050	102	90	110			
Method: SW7471A									Batch: 34415	
Sample ID: MB-34415		Method Blank				Run: CVAA_C203_120724A			07/24/12 13:46	
Mercury		ND	mg/kg	0.003						
Sample ID: LFB-34415		Laboratory Fortified Blank				Run: CVAA_C203_120724A			07/24/12 13:48	
Mercury		0.85	mg/kg	0.050	101	80	120			
Sample ID: LCS3-34415		Laboratory Control Sample				Run: CVAA_C203_120724A			07/24/12 13:49	
Mercury		4.6	mg/kg	0.18	105	70.8	127			
Sample ID: C12070116-001BDIL		Serial Dilution				Run: CVAA_C203_120724A			07/24/12 13:52	
Mercury		ND	mg/kg-dry	7100					20	
Sample ID: C12070116-001BMS		Sample Matrix Spike				Run: CVAA_C203_120724A			07/24/12 13:59	
Mercury		0.87	mg/kg-dry	0.050	104	85	115			
Sample ID: C12070116-001BMSD		Sample Matrix Spike Duplicate				Run: CVAA_C203_120724A			07/24/12 14:04	
Mercury		0.85	mg/kg-dry	0.050	102	85	115	2.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/27/12
Project: Daneros Underground Rock Samples
Work Order: C12070116

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW9045D										Batch: 34259
Sample ID: C12070116-001BDUP		Sample Duplicate				Run: ORION 3 STAR PH_120709A			07/09/12 18:41	
Corrosivity - pH		5.03	s.u.	0.010				0.4	10	
Sample ID: LCS1-34259		Laboratory Control Sample				Run: ORION 3 STAR PH_120709A			07/09/12 18:41	
Corrosivity - pH		7.03	s.u.	0.010	99	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Standard Reporting Procedures

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Workorder Receipt Checklist

Denison Mines USA Corp C12070116

Login completed by: Timothy I.. Houghteling
Date Received: 7/5/2012
Reviewed by: BL2000\kschroeder
Received by: km
Reviewed Date: 7/12/2012
Carrier name: 2nd Day Air

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	23.2°C No Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name: Denison Mines (USA) Corp	Project Name, PWS, Permit, Etc.: Daneros Underground Rock Samples	Sample Origin State: UT	EPA/State Compliance: Yes ☐ No ☑
Report Mail Address: 1050 17th Street, Ste 950, Denver, Colorado 80265	Contact Name: Christy Woodward; Phone/Fax: 303.389.4136	Email: cwoodward@denisonmin	Sampler: (Please Print) Mark Nelson/Danny Flann
Invoice Address: 1050 17th Street, Ste 950, Denver, Colorado 80265	Invoice Contact & Phone: Jan Dalla 303.628.7798	Purchase Order:	Quote/Bottle Order:

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

- ☐ DW
- ☐ GSA
- ☐ POTW/WWTP
- ☐ State: _____
- ☐ Other: _____
- ☐ A2LA
- ☐ EDD/EDT (Electronic Data) Format: _____
- ☐ LEVEL IV
- ☐ NELAC

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: UPS-2nd

Cooler ID(s): /

Receipt Temp 23.2 °C IR-2

On Ice: Yes No

Custody Seal Y N

Intact Y N

Signature Match Y N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	Quote #C3820	SEE ATTACHED	Normal Turnaround (TAT)	RUSH
1 Low Grade	06/20/12		Soil/Solids	X			
2	06/20/12		Soil/Solids	X			
3	06/20/12		Soil/Solids	X			
4				X			
5				X			
6							
7							
8							
9							
10							

ANALYSIS REQUESTED

AIRBILL SEE ATTACHED

4120701 16

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Christy Woodward	6-28-12				
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory: Kate Miller	Date/Time: 7/3/12 10:25	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.