

*Final*  
Fourth Quarterly  
Groundwater Monitoring Report

La Bajada Mine  
Santa Fe National Forest, New Mexico

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## LIST OF ACRONYMS

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|        |                                                            |
|--------|------------------------------------------------------------|
| °C     | degrees Centigrade                                         |
| °F     | degrees Fahrenheit                                         |
| μS/cm  | micro Siemens per centimeter                               |
| amsl   | above mean sea level                                       |
| AOC    | analytes of concern                                        |
| bgs    | below ground surface                                       |
| COC    | chain-of-custody                                           |
| DO     | dissolved oxygen                                           |
| DTW    | depth-to-water                                             |
| EPA    | United States Environmental Protection Agency              |
| GPS    | Global Positioning System                                  |
| MDL    | method detection limit                                     |
| mg/L   | milligram per liter                                        |
| MS     | matrix spike                                               |
| MSD    | matrix spike duplicate                                     |
| mV     | millivolt                                                  |
| NDA    | no data available                                          |
| NMAC   | New Mexico Administrative Code                             |
| NMED   | New Mexico Environment Department                          |
| NTU    | Nephelometric Turbidity Unit                               |
| ORP    | oxidation-reduction potential                              |
| pCi/L  | pico Curies per liter                                      |
| QC     | quality control                                            |
| RL     | Reporting Limit                                            |
| RPD    | Relative Percent Difference                                |
| SAP    | Sampling and Analysis Plan                                 |
| TDS    | Total Dissolved Solids                                     |
| TKN    | Total Kjeldahl Nitrogen                                    |
| TOC    | top-of-casing                                              |
| USFS   | United States Department of Agriculture Forest Service     |
| USGS   | United States Department of the Interior Geological Survey |
| WESTON | Weston Solutions, Inc.                                     |
| WRCC   | Western Regional Climate Center                            |
| WQS    | Water Quality Standard                                     |
| WWTP   | Wastewater Treatment Plant                                 |

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## 1.0 INTRODUCTION

Weston Solutions, Inc. (WESTON®) has been contracted by the United States Department of Agriculture Forest Service (USFS) under contract AG-8371-D-14-0048, to conduct a groundwater investigation for the La Bajada Mine Site (the “Site”) located within the Santa Fe National Forest, New Mexico (Figure 1 and Figure 2). This Monitoring Report summarizes four quarterly groundwater monitoring events beginning the third quarter of calendar year 2015 through the fourth quarter of 2016. WESTON representatives conducted field sampling on September 21-23, 2015, January 12-13, 2016, May 23-24, 2016 and October 18-19, 2016.

### 1.1 SITE NAME AND SAMPLING LOCATION

The project area is located 15 miles southwest of the City of Santa Fe within the Espanola Ranger District of the Santa Fe National Forest in the Northwest ¼ of Section 9, Township 15 North, Range 7 East, Santa Fe County, New Mexico. The geographical coordinates for the historical mine location, which is central to the site, are 35°32'56.82"N 106°12'29.20"W (Figure 1).

The Site can be accessed from Albuquerque by taking Interstate 25 north toward Santa Fe to Highway 16. Take Highway 16 west for approximately 3.5 miles to the intersection with the road for Tetilla Park Recreation Area. Turn right and follow the double-lane paved road for approximately 1 mile to an intersection with a gravel road to La Bajada Village. Turn right onto this road and drive approximately 2 miles to the Site area. The road will cross the Santa Fe River several times before the final destination; therefore, a four wheel drive, high-clearance vehicle is necessary.

### 1.2 RESPONSIBLE AGENCY

Each of the groundwater monitoring wells included in this groundwater investigation is located on USFS lands and therefore falls under the jurisdiction of the USFS.

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## **2.0 SITE BACKGROUND**

The La Bajada Mine is an abandoned uranium mine site located in the Santa Fe River Canyon in Santa Fe County, New Mexico. The following sections provide a description of Site history, current conditions, previous investigations/remedial actions, and physical characteristics.

### **2.1 SITE HISTORY**

La Bajada first operated as a copper mine beginning in approximately 1915. Most of the production was by the La Bajada Copper Mining Company starting in the 1920s (Chenoweth, 1979). In 1928-1929, the mine consisted of two shafts (Whitworth, 1996). Uranium was discovered at the mine in 1950. The underground workings of the mine were declared unsafe in 1957 and subsequent uranium mining was by open pit developed in the early 1960s between the two shafts. Mining continued intermittently through 1964 with the final shipment from stockpiled ore occurring in 1966 (Chenoweth, 1979). The pit filled with water once mining operations ceased.

### **2.2 PREVIOUS INVESTIGATIONS/REMEDIAL ACTIONS**

The USFS, under a joint powers agreement with New Mexico Environment Department (NMED), performed a mine reclamation at the Site in 1996. Mine waste material was regraded and capped with a minimum of 1 foot of clean soil. The pit lake was also backfilled with clean soil. Ephemeral stream channels were armored with rock to prevent erosion of mine waste into the Santa Fe River. The approximate boundary of tailings piles and the pit lake prior to the mine reclamation are shown on Figure 2.

Available information indicates seven groundwater monitoring wells were installed for post-removal compliance sampling to ensure compliance with New Mexico Water Quality Standards (WQSS). One additional well was discovered during a site reconnaissance conducted to kick off this project. The USFS and NMED have periodically monitored the wells and submitted groundwater samples for laboratory analysis. Available data, provided by NMED, is in Appendix A.

### **2.3 PHYSICAL CHARACTERISTICS**

#### **2.3.1 Geologic Setting**

The La Bajada ore body is found in sedimentary and volcanoclastic sedimentary deposits consisting of the Espinazo Volcanics formed during the Oligocene time (Chenoweth, 1979). Thin veins of uranium mineralization occur in a dark basaltic dike that is north-trending. The deposit consists of various sulfide-mineral veins including pyrite, sphalerite, marcasite, colusite, chalcopyrite, and bornite. The uranium mineralogy of the deposit is not known but brannerite was identified in a single sample examined by the Colorado School of Mines Research Foundation as referenced by Chenoweth (1979). The majority of uranium is thought to occur in organic material in the vein. At the Hiser-Moore claims, located southwest of La Bajada, yellow

uranium minerals occur on joint surfaces near the top of the basaltic dike flow. Evidence of previous erosion of uranium deposits into the Santa Fe River prior to development of the La Bajada mine was documented by Whitworth (1996). Whitworth indicated that “significant amounts of radioactive elements present in fluvial deposits of the Santa Fe River downstream from the mine may be naturally emplaced and may not be the result of mining operations at La Bajada.”

### **2.3.2 Hydrogeologic Setting**

The La Bajada Mine Site is in the eastern border of the Middle Rio Grande Basin. Groundwater beneath the Site is part of the Santa Fe Group aquifer system and groundwater flow downstream of the mine is generally westward and approximately parallel to the course of the Santa Fe River (Whitworth, 1996). Depth-to-water (DTW) at the Site, based on data collected by NMED in 2010, ranges from approximately 13 to 33 feet below ground surface (bgs).

Groundwater data quality reported by Bartolino and Cole (2002) for the northeast basin margin of the Middle Rio Grande Basin indicates sulfate levels are 400 milligrams per liter (mg/L), which exceeds the United States Environmental Protection Agency (EPA) secondary water quality standards but is less than the New Mexico WQS of 600 mg/L.

### **2.3.3 Hydrologic Setting**

The Site is located on the north side of the Santa Fe River, which flows from east to west. After leaving the Santa Fe River Canyon, the river turns and flows approximately northwest into the lower reservoir of the Cochiti Lake, which is a reservoir located at the confluence of the Rio Grande River and the Santa Fe River. The Rio Grande arm and the Santa Fe River arm are connected by a conveyance channel. According to Whitworth (1996), flow between the arms is dependent on water levels. “When the water level in the Rio Grande arm is above 5,355 feet, water flows from the Rio Grande arm through the conveyance channel into the Santa Fe arm. When the water level in the Rio Grande arm is below 5,355 feet, water flows into the Rio Grande arm from the Santa Fe arm.”

The City of Santa Fe Wastewater Treatment Plant (WWTP) is located upstream of the Site on the Santa Fe River. The WWTP discharges its treated effluent to the Santa Fe River. The Santa Fe River is a perennial stream for approximately 3 miles in the Santa Fe arm (Whitworth, 1996). In general, the river is considered perennial, though many reaches are periodically dry and most of its flow is treated effluent from the Santa Fe WWTP (Bartolino and Cole, 2002). The NMED has identified the section of the Santa Fe River from the Cochiti Pueblo boundary to Paseo del Canon (upstream of the Site) impaired for cool water aquatic life. Causes of impairment include nutrient/eutrophication biological indicators and sedimentation/siltation.

Uranium content in surface water of the Santa Fe River reported by Whitworth (1996) indicates upstream concentrations seem to be slightly higher than uranium concentrations downstream of the La Bajada Mine Site. The La Majada mine prospect is located approximately 3 miles upstream of La Bajada, contributing to naturally occurring uranium concentrations.

### **2.3.4 Regional Climate**

There is a meteorological data station (#291982) at the Cochiti Dam and monthly climate data is available from February 1, 1975 through January 20, 2015. The Cochiti Dam is approximately 8 miles northwest of the Site. Average low temperatures range from 20.6 degrees Fahrenheit (°F) to 61 °F and average high temperatures range from 46.9 °F to 91.3 °F. The coolest month is January and the warmest is July. Average annual precipitation is 12.09 inches with greatest rainfall occurring in July through September. The average snowfall is 9.6 inches mostly occurring in December through February (Western Regional Climate Center [WRCC], 2015).

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### **3.0 SCOPE OF OBJECTIVES**

In conformance with WESTON's combined Project Work Plan and Sampling and Analysis Plan (SAP) (WESTON, 2015a), groundwater monitoring/sampling and laboratory analysis is being conducted for a 1-year period on a quarterly basis beginning in September 2015. The project objectives are to determine concentrations of analytes of concern (AOCs), monitor the potential change of DTW, and determine concentration of AOCs, if present, in onsite surface water. The following general tasks will be performed during each of the four monitoring events:

1. Collect DTW measurements at each well, measured from top of casing (TOC).
2. Purge each well using low-flow purging methods.
3. Monitor purged water for physical water quality parameters such as conductivity, pH, temperature, oxidation-reduction potential (ORP), dissolved oxygen (DO), and turbidity.
4. Collect groundwater samples for laboratory analysis relative to AOCs.
5. Collect surface water samples upstream and downstream of the mine site for laboratory analysis relative to AOCs.

#### **3.1 GROUNDWATER MONITORING OBJECTIVES**

The USFS, under a joint powers agreement with NMED, performed mine reclamation at the Site in 1996. The action included capping the mine waste and implementing periodic compliance groundwater monitoring. Seven groundwater monitoring wells were installed at the time to monitor compliance of New Mexico's groundwater quality standards. The wells have not been monitored or sampled since 2010 and new groundwater quality data is needed from each of the wells to determine if concentrations of contaminants in the wells will permit formal closure of the Site.

#### **3.2 SURFACE WATER MONITORING OBJECTIVES**

Samples collected from the Santa Fe River will identify upstream and downstream concentrations of AOCs to evaluate potential effects of surface water quality from the site compared to potential upstream sources.

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## 4.0 FIELD ACTIVITIES

On September 22 and 23, 2015; January 12 and 16, 2016; May 23 and 24, 2016, and October 18 and 19, 2016 groundwater level measurements were collected from all eight onsite wells. Six of the wells were sampled using the EPA standard low flow technique. Two of the wells were dry and unable to be sampled.

### 4.1 GROUNDWATER LEVEL MEASUREMENTS

Monitor well-specific data obtained from existing reports for well depths, screen interval depths, screen slot size, and well diameter is shown in Table 1. Water level measurements were obtained at each monitor well to determine groundwater depths beneath the Site and to determine well sample pump intake setting depths. Depth-to-water measurements collected at each well were measured from the north side of the TOC using an electronic water level indicator. Measurements collected during each sampling event are presented in Table 2 and were recorded to 100<sup>th</sup> of a foot for accuracy.

Survey data for TOC elevations are not available. Water depth measurements obtained were converted to elevation depths above mean sea level (amsl) based on estimated elevation measurements provided by a handheld global positioning system (GPS) unit. Although the elevations from handheld GPS units are typically inaccurate, the resulting estimated elevation of groundwater helps to show change over the four quarters. Estimated groundwater elevations and DTW measurements are presented in Figure 3.

**Table 1 Monitor Well Construction Data**

| Well | Well Depth (feet bgs) | Screen Intervals (feet bgs) | TOC Elevation (feet amsl) <sup>a</sup> | Diameter (inch) | Slot Size (inch) |
|------|-----------------------|-----------------------------|----------------------------------------|-----------------|------------------|
| MW-0 | 4.82                  | NDA                         | 5624.347                               | 3               | NDA              |
| MW-1 | 34.71                 | NDA                         | 5644.475                               | 4               | NDA              |
| MW-2 | 50.13                 | NDA                         | 5620.036                               | 4               | NDA              |
| MW-3 | 51.04                 | NDA                         | 5609.798                               | 4               | NDA              |
| MW-4 | 54.63                 | NDA                         | 5604.988                               | 4               | NDA              |
| MW-5 | 27.35                 | NDA                         | 5586.418                               | 3               | NDA              |
| MW-6 | 27.72                 | NDA                         | 5577.459                               | 4               | NDA              |
| MW-7 | 53.30                 | NDA                         | 5541.436                               | 4               | NDA              |

amsl: above mean sea level  
 bgs: below ground surface  
 NDA: No data available

TOC: Top-of-Casing  
 MW: Monitor Well

**Table 2 Current Monitor Well Water Level Data**

| Well | September 2015                        |                                                 | January 2016                          |                                                 | May 2016                              |                                                 | October 2016                          |                                                 |
|------|---------------------------------------|-------------------------------------------------|---------------------------------------|-------------------------------------------------|---------------------------------------|-------------------------------------------------|---------------------------------------|-------------------------------------------------|
|      | Depth-to-Water <sup>a</sup><br>(feet) | Water Level Elevation<br>(ft amsl) <sup>b</sup> | Depth-to-Water <sup>a</sup><br>(feet) | Water Level Elevation<br>(ft amsl) <sup>b</sup> | Depth-to-Water <sup>a</sup><br>(feet) | Water Level Elevation<br>(ft amsl) <sup>b</sup> | Depth-to-Water <sup>a</sup><br>(feet) | Water Level Elevation<br>(ft amsl) <sup>b</sup> |
| MW-0 | Dry                                   | Dry                                             | Dry                                   | Dry                                             | Dry                                   | Dry                                             | Dry                                   | Dry                                             |
| MW-1 | 19.17                                 | 5625.305                                        | 18.59                                 | 5625.885                                        | 18.77                                 | 5625.705                                        | 19.04                                 | 5625.435                                        |
| MW-2 | 20.03                                 | 5600.006                                        | 18.15                                 | 5601.886                                        | 18.63                                 | 5601.406                                        | 20.06                                 | 5599.976                                        |
| MW-3 | 21.23                                 | 5588.568                                        | 20.62                                 | 5589.178                                        | 20.78                                 | 5589.018                                        | 21.56                                 | 5588.238                                        |
| MW-4 | 35.87                                 | 5569.118                                        | 35.09                                 | 5569.898                                        | 35.37                                 | 5569.618                                        | 36.06                                 | 5568.928                                        |
| MW-5 | 25.92                                 | 5560.498                                        | 25.56                                 | 5560.858                                        | 25.65                                 | 5560.768                                        | 25.99                                 | 5560.428                                        |
| MW-6 | Dry                                   | Dry                                             | Dry                                   | Dry                                             | Dry                                   | Dry                                             | Dry                                   | Dry                                             |
| MW-7 | 13.43                                 | 5528.006                                        | 13.12                                 | 5528.316                                        | 13.23                                 | 5528.206                                        | 13.39                                 | 5528.046                                        |

a Depth-to-water measured in feet below top-of-casing from the north side of the top of each well casing.

b Elevation data collected with non-survey grade handheld GPS unit.

amsl: above mean sea level

bgs: below ground surface

MW: Monitor Well

## 4.2 SURFACE WATER SAMPLING

Surface water samples were collected at upstream and downstream locations relative to the mine site in accordance with the SAP. Water quality parameters (conductivity, pH, temperature, ORP, and DO) were measured using a water quality meter.

## 4.3 GROUNDWATER SAMPLING

For all monitoring events, groundwater samples were collected from each monitor well located at the Site except for the two dry wells (MW-0 and MW-6). Samples were collected using low-flow purging technology to minimize disturbance of the well. Physical water quality indicators were measured during purging to assess groundwater stability. Groundwater samples were collected in conformance with EPA guidance for “Standard Operating Procedure for Low-Stress/Minimal Drawdown Groundwater Sample Collection” to the best extent practical.

### 4.3.1 Monitor Well Purging

Purging at each monitor well was accomplished by using low-flow pumping methods where emphasis is placed on minimal drawdown within the well allowing sample collection at ambient flow conditions. Each well was purged and sampled with either a variable speed peristaltic pump or a variable speed pneumatic-operated bladder pump. Wetted parts of the peristaltic pump consisted of only disposable polyethylene and silicone tubing. Wetted parts of the bladder pump consisted of stainless steel or disposable polyethylene components. The internal wetted bladder pump components consisted of a disposable bladder along with disposable supply air and discharge tubing. Disposable bladders and tubing components consisted of new polyethylene materials. The following procedures were used to implement site purging and sampling methods.

1. The DTW was measured from the north side of the TOC using an electronic water level indicator. Measurements were recorded to 100<sup>th</sup> of a foot. The water level indicator was cleaned with an Alconox detergent solution and rinsed with distilled water between each well.

2. Unless noted otherwise, the pump was lowered into the well upon recording well DTW measurements and set at approximately 5 to 10 feet below the ground water interface.
3. At low-flow withdrawal, groundwater was purged from the well until physical water quality parameters stabilized according to the criteria listed below. Water quality parameters (conductivity, pH, temperature, ORP, and DO) were measured using a flow-through cell in combination with a water quality meter. Water quality measurements were recorded at 5-minute intervals.
  - a. Conductivity to within 3% of average over three consecutive readings
  - b. pH  $\pm$  0.1 pH units
  - c. Temperature  $\pm$  0.5°C
  - d. ORP  $\pm$  10% millivolts (mV)
  - e. DO  $\pm$  10% mg/L
  - f. Turbidity  $\pm$  10% Nephelometric Turbidity Units (NTUs)
4. An independent turbidity meter was used to record turbidity measurements.
5. Sample collection containers were filled directly from the dedicated well pump tubing.

#### **4.3.2 Groundwater Sampling**

Groundwater samples were collected at each well location for AOCs after water quality stabilization parameters were satisfied. Groundwater samples were submitted under chain of custody (COC) record to Accutest Laboratories (Accutest) in San Jose, CA for laboratory analysis using the analytical methods prescribed.

At each well location, groundwater samples for all analyses were transferred directly from the dedicated pump tubing into the appropriate sample containers. Sample volume collected for metals analyses was filtered using a 0.45-micron filter. Sample containers were furnished by the laboratory and were pre-preserved.

Sample containers were processed for shipment to the laboratory under COC record. Samples were submitted under standard turnaround times. One duplicate sample was collected from MW-3 for all three sampling events completed to-date. One equipment blank sample was collected. Samples were analyzed by Accutest for select dissolved metals, combined radium-226 and radium-228, anions (chloride, sulfate, nitrate-nitrite), Total Kjeldahl Nitrogen (TKN), total dissolved solids (TDS), and total alkalinity. Select metals include: aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, chromium, cobalt, copper, magnesium, manganese, molybdenum, nickel, potassium, silver, sodium, strontium, thallium, uranium, vanadium, and zinc.

#### **4.4 DECONTAMINATION PROCEDURES**

Decontamination procedures were completed in accordance with EPA guidance, and sampling equipment was decontaminated consistently to assure the quality of groundwater samples collected. Sampling equipment was decontaminated after samples were collected from each

monitor well. Equipment was also decontaminated if contact was made with potentially contaminated water or surfaces.

Decontamination procedures used included a preliminary wash consisting of phosphate-free detergent (Liquinox<sup>®</sup>), a distilled water rinse followed by a nitric acid rinse (10% concentration), and secondary distilled water rinse. Equipment was allowed to air dry after each rinse event. Disposable equipment intended for one-time use was not decontaminated, but was packaged for appropriate disposal.

#### **4.5 DEVIATIONS FROM SAMPLING AND ANALYSIS PLAN**

For all four sampling events discussed in this report, monitor well gauging revealed that MW-0 and MW-6 were dry; therefore, groundwater samples were not collected from these wells. It was also noticed that the well casing for MW-0 may be broken approximately 1.5 feet below TOC.

The SAP instructed using the variable speed pneumatic bladder pump to sample all of the groundwater monitoring wells. During the course of the first sampling event (September 2015), the field team was unable to drive onto the Site and had to hike in all of the equipment. The peristaltic pump was used to sample as many wells as possible because it requires less equipment to operate. Monitoring wells MW-1, MW-2, MW-3, and MW-7 were purged and sampled with the peristaltic pump. Monitoring wells MW-4 and MW-5 were purged and sampled with the bladder pump due to inadequate head pressure for the peristaltic pump to work properly. To maintain consistency, each well was sampled using the same pump type between the first quarter, second quarter, and third quarter sampling events.

During the May 2016 sampling event the bladder pump did not function correctly resulting in a deviation from the SAP and previous events. Monitoring wells MW-4 and MW-5 were sampled using a disposable bailer.

During the October 2016 sampling event the digital camera used to collect onsite photographs was lost. Therefore photographs for this sampling event have not been included in Appendix D.

## 5.0 SAMPLING RESULTS

A total of two surface water samples, six groundwater samples, with one field duplicate and one equipment blank were collected during each sampling effort. Samples were analyzed as described in Section 4.2.2. Physical water quality stabilization parameters of conductivity, DO, water temperature, ORP, pH, and turbidity were measured in the field prior to surface water sample collection and during well purging activities.

Table A-1 (Appendix A) provides a summary of surface water laboratory analytical results. Table A-2 provides groundwater results; surface water and groundwater quality measurements are presented in Table A-3; and average groundwater quality measurements are shown in Table A-4 (Appendix A). Figures 4, 5, and 6 show select analytical results (key results), by location for each quarterly event. Laboratory analytical reports the previous three quarterly sampling events (September 2015, January 2016, and May 2016) were provided in the Quarterly Monitoring Reports prepared following each event (WESTON, 2015b; 2016a; 2016b). These reports and the current laboratory analytical report are provided in Appendix B. Field notes from the current sampling event are included in Appendix C and photographs from sampling activities are presented in the photograph log contained in Appendix D. Laboratory analytical results for samples were compared to applicable New Mexico WQSSs.

### 5.1 PHYSICAL WATER QUALITY MEASUREMENTS

Physical water quality measurements were collected prior to surface water sample collection and during groundwater well purging operations (Table A-3, Appendix A). Averaged physical water quality values for each sampling event are summarized in Table A-4 (Appendix A). Measurements recorded included parameters such as temperature, specific conductivity, DO, ORP, pH, and turbidity. These measurements are used to provide a general indication of groundwater stability within the saturated zone formation.

A brief summary of each water quality parameter measured along with the average result recorded at each well is provided below.

#### 5.1.1 Temperature

The temperature of groundwater is fairly constant with only a 10 °F difference over the four quarterly events. With the exception of the January 2016 event, groundwater temperature is less than the mean air temperature above ground surface. Surface water temperature, as would be expected is more closely aligned with ambient temperature.

At higher temperatures minerals tend to dissolve more readily. An increase in temperature by 1°C can potentially increase specific conductance by approximately 2% (Todd, 1980). A summary of temperature results for the three quarterly events are provided below.

- September 2015 – average temperature across all wells was 18.17 °C (64.71°F); the range of average temperature readings among each well was 17.18 °C (62.92°F [MW-1]) to 20.27°C (68.49°F [MW-3]). The temperature readings of the surface water collection points were 18.77 °C (65.79 °F [SW-1]) and 19.24 °C (66.63 °F [SW-2]). The high

ambient temperature reported by the National Weather Service (NWS) for the Santa Fe area on September 22-23 was 77 °F and 74 °F, respectively.

- January 2016 – average temperature across all wells was 14.00 °C (57.20°F); and the range of average temperature readings among each well was 13.49 °C (56.28°F [MW-7]) to 15.41°C (59.74°F [MW-3]). The temperature readings of the surface water collection points were -0.58 °C (30.96 °F [SW-1]) and -0.72 °C (30.70 °F [SW-2]). The high ambient temperature reported by the NWS for the Santa Fe area on January 12-13 was 43 °F and 45 °F, respectively.
- May 2016 – average temperature across all wells was 18.86 °C (65.95 °F) and the range of average temperature readings among each well was 15.64 °C (60.15 °F [MW-7]) to 27.05 °C (80.69 °F [MW-5]). The temperature readings of the surface water collection points were 19.80 °C (67.64 °F [SW-1]) and 18.47 °C (65.25 °F [SW-2]). The high ambient temperature reported by the NWS for the Santa Fe area on May 23-24 was 79 °F.
- October 2016 – average temperature across all wells was 17.46 °C (63.43 °F) and the range of average temperature readings among each well was 14.15 °C (57.47 °F [MW-2]) to 19.35 °C (66.83 °F [MW-7]). The high ambient temperature report by the NWS for the Santa Fe area on October 18-19 was 77 °F and 72 °F, respectively. The temperature readings of the surface water collection points were 13.70 °C (56.66 °F [SW-1]) and 13.02 °C (55.44 °F [SW-2]).

The wider range of temperature measurements in the wells during the May 2016 event is likely a result of the altered sampling procedure. As discussed in Section 4.5, grab samples were taken with a bailer at MW-4 and MW-5. Because temperature readings were collected from the sample once it was brought to the surface, rather than within a flow-through cell, the water temperature was closer to ambient air temperatures.

### 5.1.2 pH

An indicator of hydrogen ion potential, pH is used to determine the acidity or alkaline condition of groundwater. The pH scale ranges from 0 to 14, with 7 being neutral. A pH unit of less than 7 is indicative of acidic water and a pH greater than 7 is indicative of alkaline or basic water. The pH of water can be affected by the dissociation of water molecules and of acids and bases dissolved in water contributing to disruption of mineral deposits. Results during each quarterly event are as follows:

- September 2015 – the average pH across all wells was 6.60 and the pH range representative of average measurements recorded at each well was between 6.29 (MW-3) and 6.91 (MW-2). The pH of the surface water collection points was 8.52 (SW-1) and 8.46 (SW-2).
- January 2016 – the average pH across all wells was 7.29 and the pH range representative of the average measurements recorded at each well was between 6.96 (MW-4) and 7.52 (MW-1). The pH of the surface water collection points was 9.31 (SW-1) and 7.95 (SW-2).

- May 2016 – the average pH across all wells was 7.47 and the pH range representative of the average measurements recorded at each well was between 7.11 (MW-3) and 7.94 (MW-5). The pH of the surface water collection points was 9.19 (SW-1) and 9.10 (SW-2).
- October 2016 – the average pH across all wells was 7.41 and the pH range representative of the average measurements recorded at each well was between 7.14 (MW-4) and 7.61 (MW-1). The pH of the surface water collection points was 9.22 (SW-1) and 8.89 (SW-2).

### 5.1.3 Specific Conductivity

Specific conductivity measures the ability of water to carry an electric current. This ability depends on the presence of ions; on their total concentration, mobility, and valence; and on the temperature of measurement (AWWA, 2003). The larger the conductance, the more mineralized the water. Most substances dissolved in water dissociate into ions that can conduct electrical current so the conductivity of water serves as an indicator of the amount of material dissolved in the water. Specific conductivity measurements were highest in MW-3 during all four monitoring events. Specific conductivity measurements during each sampling event are described below.

- September 2015 – the average conductivity across all wells was determined to be 799 micro Siemens per centimeter ( $\mu\text{S}/\text{cm}$ ); the conductivity range representative of average measurements recorded at each well was between 538  $\mu\text{S}/\text{cm}$  (MW-2) and 1,576  $\mu\text{S}/\text{cm}$  (MW-3). The specific conductivity of the surface water collection points was 449  $\mu\text{S}/\text{cm}$  (SW-1) and 464  $\mu\text{S}/\text{cm}$  (SW-2).
- January 2016 – the average conductivity across all wells was determined to be 1,303  $\mu\text{S}/\text{cm}$ ; the conductivity range representative of average measurements recorded at each well was between 1,048  $\mu\text{S}/\text{cm}$  (MW-5) and 2,153  $\mu\text{S}/\text{cm}$  (MW-3). The specific conductivity of the surface water collection points was 759  $\mu\text{S}/\text{cm}$  (SW-1) and 773  $\mu\text{S}/\text{cm}$  (SW-2).
- May 2016 – the average conductivity across all wells was determined to be 944  $\mu\text{S}/\text{cm}$ ; the conductivity range representative of average measurements recorded at each well was between 106  $\mu\text{S}/\text{cm}$  (MW-4) and 2,131  $\mu\text{S}/\text{cm}$  (MW-3). The specific conductivity of the surface water collection points was 691  $\mu\text{S}/\text{cm}$  (SW-1) and 667  $\mu\text{S}/\text{cm}$  (SW-2).
- October 2016 – the average conductivity across all wells was determined to be 980  $\mu\text{S}/\text{cm}$ , the conductivity range representative of average measurements recorded at each well was between 685  $\mu\text{S}/\text{cm}$  (MW-2) and 1,696  $\mu\text{S}/\text{cm}$  (MW-3). The specific conductivity of the surface water collection points was 615  $\mu\text{S}/\text{cm}$  (SW-1) and 620  $\mu\text{S}/\text{cm}$  (SW-2).

### 5.1.4 Total Dissolved Solids

Total dissolved solids concentrations were not measured in the field, but rather analyzed at the laboratory. As a comparison of estimated values of TDS at the Site, TDS concentration of palatable waters should not exceed 500 mg/L and waters containing more than 4,000 mg/L of

TDS are considered unfit for human consumption (AWWA, 2003). The United States Geological Survey (USGS) classifies water based on dissolved solids as the following:

- Less than 1,000 mg/L: Fresh
- 1,000 – 3,000 mg/L: Slightly saline
- 3,000 – 10,000 mg/L: Moderately saline
- 10,000 – 35,000 mg/L: Very saline
- More than 35,000 mg/L: Briny

The lowest TDS concentrations during the four sampling events have consistently occurred at MW-5, and the highest concentrations have been consistently observed at MW-3. Average concentrations and specific minimum and maximum concentrations per event are described below.

- September 2015 – the average results for TDS analysis across all wells was 767.8 mg/L; the range of results was between 475 mg/L (MW-5) and 1,790 mg/L (MW-3). The TDS for the surface water collection points was 413 mg/L (SW-1) and 392 mg/L (SW-2).
- January 2016 – the average results for TDS analysis across all wells was 962.3 mg/L; the range of results was between 496 mg/L (MW-5) and 1970 mg/L (MW-3). The TDS for the surface water collection points was 426 mg/L (SW-1) and 450 mg/L (SW-2).
- May 2016 – the average results for TDS analysis across all wells was 806.6 mg/L; the range of results was between 470 mg/L (MW-5) and 1,830 mg/L (MW-3). The TDS for the surface water collection points was 426 mg/L (SW-1) and 411 (SW-2).
- October 2016 – the average results for TDS analysis across all wells was 891.4 mg/L, the range of results was between 489 mg/L (MW-5) and 1,670 mg/L (MW-3). The TDS for the surface water collection points was 436 mg/L (SW-1) and 430 (SW-2).

### **5.1.5 Dissolved Oxygen**

Dissolved oxygen is a measure of oxygen in water in the form of a dissolved gas that is available for chemical reactions, and sustaining micro-organisms and/or aquatic organisms. Dissolved oxygen is a function of water temperature and salinity where low concentrations are representative of anaerobic conditions. The water temperature affects the amount of DO in water where colder water can absorb more oxygen, producing higher DO values, while warmer water produces lower values. Dissolved oxygen in shallow groundwater is typically less than 10 mg/L and in deeper waters can be virtually absent (AWWA, 2003). The oxygen content of groundwater in depths greater than 100 to 150 feet bgs is generally considered low (Driscoll, 1989). Dissolved oxygen typically decreases in concentration and/or is consumed due to oxidation of organic materials and/or micro-organisms present in the vadose zone as water percolates to the groundwater table and subsequent saturated zone.

In surface water, DO concentrations can vary in daily and seasonal patterns due to fluctuations in temperature and salinity. Dissolved oxygen comes from the atmosphere and from photosynthesis by aquatic plants and is depleted through chemical oxidation and respiration by aquatic animals

and microorganisms. Average, minimum, and maximum DO concentrations per event are shown below.

- September 2015 – the average DO level across all wells was 3.44 mg/L; the range representative of average measurements recorded at each well was between 1.49 mg/L (MW-4) and 6.53 mg/L (MW-2). The DO of the surface water collection points was 11.48 mg/L (SW-1) and 11.11 mg/L (SW-2).
- January 2016 – the average DO level across all wells was 1.84 mg/L; the range representative of the average measurements recorded at each well was between 1.20 mg/L (MW-3) and 2.58 (MW-4). The DO of the surface water collection points was 4.19 mg/L (SW-1) and 10.11 mg/L (SW-2).
- May 2016 – the average DO level across all wells was 5.09 mg/L; the range representative of the average measurements recorded at each well was between 3.94 mg/L (MW-2) and 7.12 (MW-5). The DO of the surface water collection points was 15.45 mg/L (SW-1) and 14.05 mg/L (SW-2).
- October 2016 – the average DO level across all wells was 7.18 mg/L, the range representative of the average measurements recorded at each well was between 2.07 mg/L (MW-1) and 12.45 mg/L (MW-5). The DO measurements of the surface water collection points were unreliable and therefore are not reported.

### **5.1.6 Oxidation-Reduction Potential**

Oxidation-reduction potential can be used as a qualitative indicator of aerobic versus anaerobic conditions. Typical ORP of groundwater ranges from -400 to 800 mV (Wiedemeier, 1999). Groundwater with high electron acceptors has a higher electrical potential and is considered oxidizing whereas water with a low electrical potential (ORP values of less than 50 mV) is considered a reducing environment (Whitlock and Kelly, 2010). Results obtained during each sampling event are summarized below.

- September 2015 – the average ORP level across all wells was 153.4 mV; the ORP range representative of average measurements recorded at each well was between 34.9 mV (MW-5) and 232.1 mV (MW-1). The ORP of the surface water collection points was 152.6 mV (SW-1) and 175.2 mV (SW-2).
- January 2016 – the average ORP level across all wells was 1.6 mV; the ORP range representative of average measurements recorded at each well was between -85.4 mV (MW-3) and 108.0 mV (MW-4). The ORP of the surface water collection points was -27.7 mV (SW-1) and 28.5 (SW-2).
- May 2016 – the average ORP level across all wells was 149.1 mV; the ORP range representative of average measurements recorded at each well was between 35.7 mV (MW-7) and 352.5 mV (MW-1). The ORP of the surface water collection points was 84.0 mV (SW-1) and 148.4 mV (SW-2).

- October 2016 – the average ORP level across all wells was 96.1 mV, the ORP range representative of average measurements recorded at each well was between 2.9 mV (MW-5) and 274.1 mV (MW-7). The ORP of the surface water collection points was 59.0 mV (SW-1) and 49.5 mV (SW-2).

### 5.1.7 Turbidity

Turbidity is an optical property caused by suspended particles in water. Turbidity measurements provide an indication of water clarity and can be influenced by well construction, well purging practices, and formation matter. Turbidity levels can often affect accurate determination of dissolved concentrations of organic and inorganic analytes. Natural turbidity levels in groundwater may exceed 10 NTUs (YSI, 2005). Average readings obtained, and minimum/maximum values are listed below. Turbidity readings were not collected for the surface water sample locations.

- September 2015 – the average turbidity level measured across all wells was 9.51 NTUs, and the turbidity range representative of average measurements recorded at each well was between 3.18 NTUs (MW-1) and 22.76 NTUs (MW-5).
- January 2016 – the average turbidity level measured across the site all wells was 17.16 NTUs, and the turbidity range representative of the average measurements recorded at each well was between 1.26 NTUs (MW-7) and 53.92 (MW-1).
- May 2016 – the average turbidity level measured across all wells was 19.09 NTUs, and the turbidity range representative of the average measurements recorded at each well was between 2.24 NTUs (MW-3) and 86.80 NTUs (MW-5).
- October 2016 – the average turbidity level measured across all wells was 4.53 NTUs, and the turbidity range representative of the average measurements recorded at each well was between 0.61 NTUs (MW-1) and 10.36 NTUs (MW-5).

## 5.2 LABORATORY ANALYTICAL RESULTS

### 5.2.1 Surface Water – General Water Quality Parameters

Additional water quality parameters including total alkalinity (hydroxide alkalinity, carbonate alkalinity, and bicarbonate alkalinity), ions (chloride and sulfate), TDS, nitrate-nitrite, and TKN were analyzed.

#### Alkalinity

Alkalinity is a measure of the buffering capacity of water (i.e., its ability to resist sudden changes in pH). Generally it is desirable to have alkalinity concentrations that range from 20 to 200 mg/L CaCO<sub>3</sub>. Total alkalinity, predominantly occurring as bicarbonate alkalinity, did not vary appreciably between sample locations or between sample events. Minimum and maximum results are listed below.

- September 2015 – 172 mg/L CaCO<sub>3</sub> (SW-2) and 175 mg/L CaCO<sub>3</sub> (SW-1).

- January 2016 – 176 mg/L CaCO<sub>3</sub> (SW-1) and 186 mg/L CaCO<sub>3</sub> (SW-2).
- May 2016 – 208 mg/L CaCO<sub>3</sub> (SW-1) and 212 mg/L CaCO<sub>3</sub> (SW-2).
- October 2016 – 168 mg/L CaCO<sub>3</sub> (SW-1) and 163 mg/L CaCO<sub>3</sub> (SW-2).

### **Chloride, Sulfate, and TDS**

The source of chloride in natural surface waters is generally due to dissolution of minerals. It is a contributor to TDS and conductivity. Chloride concentrations between the upstream and downstream sample locations were fairly consistent with the maximum variation between the two measurements occurring during the January 2016 and October 2016 events. Concentrations do not vary appreciably over time. A summary of chloride results is provided below.

- September 2015 – 59.9 mg/L (SW-1) and 60.7 mg/L (SW-2).
- January 2016 – 59.2 mg/L (SW-2) and 64.7 mg/L (SW-1).
- May 2016 – 58.3 mg/L (SW-1) and 58.9 mg/L (SW-2).
- October 2016 – 73.4 mg/L (SW-1) and 68.3 mg/L (SW-2).

Sulfate is derived from dissolution of sulfur-bearing minerals and contributes to acidity in water. There are no New Mexico surface water quality standards for chloride or sulfate and the concentrations of both ions detected are typical of other natural waters. There does not appear to be a significant difference in upstream versus downstream sulfate concentrations detected during a single event.

- September 2015 – 46.9 mg/L (SW-2) and 47.7 mg/L (SW-1).
- January 2016 – 57.4 mg/L (SW-1) and 59.2 mg/L (SW-2).
- May 2016 – 57.4 mg/L (SW-1) and 59.4 mg/L (SW-2).
- October 2016 – 59.9 mg/L (SW-1) and 55.6 mg/L (SW-2).

Total dissolved solids concentrations have not varied significantly between the four sampling events (results are approximately within 10% of each other). During the September 2015 sampling event TDS was measured at 413 mg/L (SW-1) and 392 mg/L (SW-2). Results were consistent during the subsequent sampling events measuring 426 mg/L (SW-1) and 450 mg/L (SW-2) in January 2016; 426 mg/L (SW-1) and 411 mg/L (SW-2) in May 2016; and 436 mg/L (SW-1) and 430 mg/L (SW-2) in October 2016.

### **Nitrate-Nitrite and Total Kjeldahl Nitrogen**

Nitrate-nitrite was not detected above the laboratory reporting limit (RL) in either of the samples collected during the September 2015 sampling event but estimated results of 0.067 and 0.064 mg/L were reported. The results are considered estimated because the detections are between the method detection limit (MDL) and the RL. During the January 2016 sampling event, nitrate-nitrite was detected in both samples at 1.8 mg/L (SW-1) and 1.5 mg/L (SW-2); however, concentrations decreased during the May 2016 sampling event with results at 0.11 mg/L at SW-1, and an estimated value of 0.089 mg/L was reported at SW-2. Concentrations increased in October 2016 with results similar to the January 2016 results (1.1 mg/L detected in both SW-1 and SW-2).

Total Kjeldahl Nitrogen represents the sum of organic nitrogen, ammonia, and ammonium and is usually analyzed at WWTPs. The TKN goal for treated effluent from WWTPs is <10 mg/L (NMED, 2007). During all three sampling events, TKN was either not detected above the MDL or estimated values (“J” flagged) that fell between the laboratory MDL and the RL were reported as listed below.

- September 2015 – TKN was detected at 0.63 mg/L at SW-1 and an estimated result of 0.14 mg/L was reported at SW-2.
- January 2016 – TKN was not detected at SW-1 (<0.18 mg/L) but an estimated concentration of 0.18 mg/L was reported at SW-2.
- May 2016 – TKN was reported for sample SW-1 as an estimated concentration of 0.15 mg/L; TKN in SW-2 was not detected (<0.10 mg/L).
- October 2016 – TKN was detected at 0.38 mg/L at SW-1 and an estimated result of 0.17 mg/L was reported at SW-2.

### 5.2.2 Surface Water – Metals and Radionuclides

During the September 2015 sampling event, dissolved metals detected above RLs for surface water samples collected were reported for boron, calcium, magnesium, nickel, potassium, sodium, strontium, uranium, and zinc (Table A-1, Appendix A). Arsenic, barium, chromium, cobalt, copper, manganese, molybdenum, and vanadium were detected above the MDL but below the RL. These metals were reported at estimated concentrations (“J” flagged).

In January 2016, dissolved metals detected above RLs in surface water were reported for arsenic (SW-1 only), boron, calcium, magnesium, manganese, potassium, sodium, strontium, uranium, and zinc (Table A-1, Appendix A). Barium, cobalt, copper, molybdenum, nickel, and vanadium were detected above the MDL but below the RL. These metals were reported at estimated concentrations (“J” flagged).

In May 2016, dissolved metals detected above RLs in surface water were reported for boron, calcium, magnesium, manganese, potassium, sodium, strontium, and uranium (Table A-1, Appendix A). Arsenic, barium, cobalt, copper, molybdenum, nickel, vanadium, and zinc were reported as estimated concentrations.

In October 2016, dissolved metals detected above RLs in surface water were reported for barium, boron, manganese, radium-228, strontium, uranium, and zinc (Table A-1, Appendix A). Aluminum, arsenic, cobalt, copper, molybdenum, nickel, silver, thallium (SW-1 only), and vanadium were reported as estimated concentrations.

Aluminum and thallium were detected in estimated concentrations above the New Mexico WQS of Surface Water as a Drinking Water Source. Aluminum was detected at an estimated concentration of 0.0722 mg/L (SW-1) in May 2016 and estimated concentrations of 0.0420 mg/L (SW-1) and 0.0431 mg/L (SW-2) in October 2016. The NM WQS for aluminum is 0.006 mg/L. Thallium was detected at an estimated concentration of 0.0025 mg/L, the NM WQS for thallium

is 0.002 mg/L. Silver was detected at estimated concentrations in October 2016 at 0.0014 mg/L (SW-1) and 0.0012 mg/L (SW-2). The NM WQS for Aquatic Life is 0.001 mg/L.

Combined radium-226 and radium-228 was not detected above the laboratory RL during the September 2015 and January 2016 events. During the May 2016 sampling event radium-228 was detected at  $3.28 \pm 0.93$  pico Curies per liter (pCi/L [SW-1]). During the October 2016 sampling event radium-228 was detected at  $1.14 \pm 0.69$  pCi/L (SW-1) and  $0.760 \pm 0.83$  pCi/L (SW-2). The NM WQS for combined radium-226 and radium-228 is 5 mg/L.

### 5.2.3 Groundwater – General Water Quality Parameters

General water quality parameters were also analyzed in collected groundwater samples. Results are described below. Analytical results for each well during all sampling events are summarized in Table A-2, Appendix A.

#### Alkalinity

Total alkalinity results, predominantly occurring as bicarbonate alkalinity, did not vary appreciably for sample locations between sample events. The ranges of concentrations between wells for each event is within 20% of each other as shown below.

- September 2015 – 300 mg/L CaCO<sub>3</sub> (MW-5) to 559 mg/L CaCO<sub>3</sub> (MW-3).
- January 2016 – 250 mg/L CaCO<sub>3</sub> (MW-5) to 570 mg/L CaCO<sub>3</sub> (MW-7).
- May 2016 – 265 mg/L CaCO<sub>3</sub> (MW-7) to 568 CaCO<sub>3</sub> (MW-3).
- October 2016 – 250 mg/L CaCO<sub>3</sub> (MW-7) to 500 CaCO<sub>3</sub> (MW-3).

#### Chloride, Sulfate, and TDS

Chloride was detected in all samples above the laboratory RL. Generally, results between sampling events were fairly consistent. The exception was at MW-2 where chloride concentrations varied significantly from event to event. In September 2015, chloride was detected at a concentration of 15.7 mg/L; however, subsequent detected concentrations in MW-2 were 67.9 mg/L, 47.3 mg/L, and 29.3 mg/L. The reason for the variation is unknown.

- September 2015 – 15.7 mg/L (MW-2) to 104 (MW-5).
- January 2016 – 35.9 mg/L (MW-3) to 70.6 mg/L (MW-1).
- May 2016 – 35.4 mg/L (MW-3) to 69.8 mg/L (MW-1).
- October 2016 – 29.3 mg/L (MW-2) to 72.1 mg/L (MW-1).

Sulfate was detected during all three events in all samples above the laboratory RL. The range of detected concentrations has been within 10% between each event. The NM Groundwater Standard is 600 mg/L, which has been exceeded in MW-3 during each event. The detected range of concentrations from each event is shown below.

- September 2015 – 69.0 mg/L (MW-7) to 768 mg/L (MW-3).
- January 2016 – 71.4 mg/L (MW-5) to 826 (MW-3).
- May 2016 – 71.4 mg/L (MW-5) to 799 mg/L (MW-3).
- October 2016 – 66.6 mg/L (MW-1) to 766 mg/L (MW-3).

Total dissolved solids have been detected in all samples above the laboratory RL. TDS concentrations have varied minimally between events, with their ranges differing by approximately 10% over the three sampling events. The NM Groundwater Standard for TDS is 1,000 mg/L, which was exceeded in MW-3 and the duplicate taken from MW-3 in all four sampling events. The minimum and maximum detected concentrations from each event are shown below.

- September 2015 – 475 mg/L (MW-5) to 1,790 mg/L (MW-3).
- January 2016 – 496 mg/L (MW-5) to 1,970 mg/L (MW-3).
- May 2016 – 470 mg/L (MW-5) to 1,830 mg/L (MW-3).
- October 2016 – 489 mg/L (MW-5) to 1,670 mg/L (MW-3).

#### **Nitrate-Nitrite and Total Kjeldahl Nitrogen**

Nitrate-nitrate has been detected in approximately 75% of the samples, with some concentrations below the laboratory RL and therefore reported as estimated. All samples are below the NM Groundwater Standard for nitrate of 10 mg/L. Ranges for the four sampling events are shown below.

- September 2015 – <0.041 mg/L (MW-3 and MW-5) to 0.14 mg/L (MW-2).
- January 2016 – 0<0.041 mg/L (MW-3) to 0.60 mg/L (MW-4).
- May 2016 – <0.041 mg/L (MW-1) to 0.29 mg/L (MW-4).
- October 2016 – <0.020 mg/L (MW-3) to 0.21 mg/L (MW-4).

Total Kjeldahl Nitrogen has been detected in less than 40% of the samples collected during the four sampling events with the majority of the detections less than the RL and thus reported as estimated values. A summary of the detections is shown below.

- September 2015 – <0.020 (MW-1 and MW3); five detections ranging from 0.039 mg/L (MW-7) to 0.23 mg/L (MW-5).
- January 2016 – <0.18 mg/L (all wells except MW-2); 0.18 (MW-2).
- May 2016 – <0.10 mg/L (MW-1, MW-3, MW-4, and MW-7); 0.12J mg/L (MW-5) and 0.17J mg/L (MW-2).
- October 2016 – <0.10 mg/L for all wells.

#### **5.2.4 Groundwater – Metals and Radionuclides**

During the September 2015 sampling event, dissolved metals detected above laboratory RLs in collected groundwater samples were reported for arsenic (MW-2 only), boron, calcium, magnesium, manganese (MW-3 and MW-5 only), molybdenum (MW-2 only), nickel (MW-1, MW-3, MW-4, MW-5), potassium, sodium, strontium, thallium (MW-3 and MW-5 only), uranium, and zinc (MW-1 only). As shown in Table A-2 (Appendix A) several of these metals were also detected between the RL and MDL and reported as estimated concentrations in various wells. Barium, cadmium, chromium, copper, and vanadium were reported at estimated concentrations in one or more samples.

The January 2016 sampling event showed a similar list of dissolved metals detected above laboratory RLs and included boron, calcium, cobalt (MW-3 only), magnesium, manganese (MW-3 and MW-5 only), nickel, potassium, sodium, strontium, uranium, and zinc (MW-1 and MW-4 only). Arsenic, barium, cadmium, copper, molybdenum, thallium, and vanadium were detected above the MDL but below the RL and reported as estimated concentrations.

Dissolved metals detected above laboratory RLs in May 2016 included arsenic (MW-2 only), boron, calcium, cobalt (MW-3 only), magnesium, manganese (MW-3 and MW-5 only), nickel, potassium, sodium, strontium, and uranium. Barium, chromium, copper, molybdenum, vanadium, and zinc were detected above the MDL but below the RL in various wells.

October 2016 sampling results above laboratory RLs were again to similar to the previous four quarters and included aluminum, arsenic, barium, boron, copper (MW-1 and MW-4 only), manganese, molybdenum, nickel, strontium, uranium, and vanadium (MW-7 only). Cobalt, silver, thallium, and zinc were detected above the MDL but below the RL in various wells.

For all sampling events, the only dissolved metals concentrations that exceed the NM Groundwater Standards are manganese and uranium, as described further below. Manganese has been detected in all samples; although only MW-3 and MW-5 have concentrations that exceed the NM Groundwater Standard of 0.2 mg/L. All other results are less than the RL and reported as estimated values. The concentrations from MW-3 and MW-5 from each sampling event were relatively consistent and were within 60% of each other.

- September 2015 – 0.886 mg/L and 0.889 mg/L (MW-3 and MW-3 duplicate); 0.887 mg/L (MW-5).
- January 2016 – 1.16 mg/L and 1.23 mg/L (MW-3 and MW-3 duplicate); 0.408 mg/L (MW-5).
- May 2016 – 0.398 mg/L and 0.385 mg/L (MW-3 and MW-3 duplicate); 0.554 mg/L (MW-5).
- October 2016 – 0.862 mg/L and 0.850 mg/L (MW-3 and MW-3 duplicate), 1.29 mg/L (MW-5).

During all four sampling events, uranium was detected in all of the wells; however, only MW-3 and MW-4 exceed the NM Groundwater Standard of 0.03 mg/L. The uranium concentrations from MW-3 and MW-4 did not vary appreciably between sample events as indicated below.

- September 2015 – 0.334 mg/L and 0.332 mg/L (MW-3 and MW-3 duplicate); 0.0960 mg/L (MW-4).
- January 2016 – 0.363 mg/L and 0.352 mg/L (MW-3 and MW-3 duplicate); 0.0765 mg/L (MW-4).
- May 2016 – 0.358 mg/L and 0.348 mg/L (MW-3 and MW-3 duplicate); 0.0658 mg/L (MW-4).

- October 2016 – 0.291 mg/L and 0.279 mg/L (MW-3 and MW-3 duplicate), 0.0956 mg/L (MW-4).

All groundwater samples were analyzed for radium-226 and radium-228. Very few samples yielded positive detections and the detected results did not occur in consistent well samples over the four events. Only radium-228 was detected in a single sample during the September 2015 event. The field duplicate sample for MW-3 contained radium-228 at a concentration of 1.16 pCi/L $\pm$ 0.71. Neither radionuclide was detected during the January 2016 event. In May 2016, radium-228 was detected in MW-1 at 1.48 pCi/L $\pm$ 0.66; radium-226 was detected in MW-5 at 2.05 pCi/L $\pm$ 0.25 and radium-228 was also detected in MW-5 at 4.15 pCi/L $\pm$ 0.96. In October 2016, radium-228 was detected in MW-3 at concentrations of 1.19  $\pm$ 0.87 pCi/L and 0.870  $\pm$ 0.67 pCi/L (field duplicate) and also in MW-7 at a concentration of 0.954  $\pm$ 0.88 pCi/L. All detected results were close to the RL of 1.00 pCi/L and none exceeded the NM Groundwater Standard for combined radium-226 and radium-228 at 30 pCi/L.

### 5.3 FIELD QUALITY CONTROL SAMPLES

Field Quality Control (QC) samples are intended to evaluate conditions resulting from field activities and serve to accomplish two primary goals: identification of potential field contamination and determination of sampling variability.

#### 5.3.1 Equipment Blanks

A single equipment blank (EB-1) was collected during each sampling event following the methods identified in the approved SAP. The equipment blank was analyzed for the same list of metals using identical analytical methods as the primary groundwater samples. Laboratory analytical results reported for the equipment blank sample showed no analytes were detected above the laboratory RL during the September 2015 and January 2016 sampling events. Only dedicated disposable equipment was used to sample during the May 2016 sampling event; therefore, an equipment blank sample was not collected. In October 2016, calcium, magnesium, sodium, and strontium were detected above the laboratory RLs. Concentrations of these metals in the equipment blank were less than 10 times the concentration in well samples; therefore, no impact to data quality is inferred.

#### 5.3.2 Field Duplicate Samples

Field duplicate samples are collected to evaluate the precision of laboratory analyses by calculation of the relative percent difference (RPD) between the original and duplicate samples as described in Section 4.3 of the approved SAP. During each sampling event, a field duplicate was collected at MW-3 and analyzed for total metals, general water quality parameters, and radionuclides consistent with the primary sample analyses. The calculated RPDs of results obtained during each sampling event were compared to the acceptance criterion of 20% stated in the approved SAP.

The overall range of calculated RPDs is 0% to 44.4%. All parent-field duplicate analytical results were within the acceptance criterion of 20% except for the chromium results obtained during the May 2016 sampling event. Chromium results during the May 2016 event were 0.0011J mg/kg and 0.0007J mg/kg. Both results were reported as estimated values due to the result falling

between the MDL and RL. Although the calculated RPD of 44.4% for this parent-field duplicate pair is not within the acceptance criterion of 20%, the quality of the data is not affected. The results are an order of magnitude or more below the New Mexico Groundwater standard of 0.05 mg/L and as stated previously, both results are estimated concentrations.

Parent-field duplicate results for the October 2016 event were within the acceptance criterion of 20% except for carbonate, copper, and zinc. All of these exceptions were reported as estimated values due to the results falling between the MDL and RL. The copper and zinc results are greater than two orders of magnitude below their New Mexico Groundwater standards. Carbonate does not have a New Mexico Groundwater standard, and as stated previously all three results are estimated concentrations. Although the calculated RPDs for parent sample/duplicate pairs exceeds the 20% acceptance criteria, the quality of the data is not affected.

#### **5.4 LABORATORY QUALITY CONTROL SAMPLES**

Laboratory QC samples are analyzed by Accutest as part of the standard laboratory QC protocols to monitor the precision and accuracy of the results of its analytical procedures. In part, laboratory QC samples consist of matrix spike and matrix spike duplicates (MS/MSD) for inorganic analysis. During all sampling events, WESTON requested that the sample collected at MW-7 be used for MS/MSD analyses. MS/MSD results were within acceptable percent recovery and RPD criteria for each sampling event.

#### **5.5 DATA REVIEW AND VALIDATION**

WESTON conducted a verification evaluation of each laboratory analytical data package in accordance with the approved SAP to evaluate quality and usability of the data set. After review it appears that all collected data should be considered useable and acceptable. The following conditions were identified during the laboratory data verification process:

- Requested analyses and all pertinent information were recorded on the COC form and the laboratory data package included an accurate copy of the COC.
- The laboratory data package did not include a case narrative; however, footnotes were included on data sheets to present additional information. No non-conformances were noted.
- Several results were flagged J to indicate results were between the laboratory RL and the MDL.
- During the September 2015 sampling event, the serial dilution indicated possible matrix interference for strontium. All strontium results are greater than the laboratory RL and did not require dilution. Data quality should not be affected.
- No additional data quality issues were present during the January 2016 sampling event.
- The MS/MSD % recoveries were not within acceptance criteria (high) for chloride and sulfate during the May 2016 sampling event; however, the spike amount was low relative to the sample concentration. The laboratory control spike was within the acceptance

criteria; therefore, the data quality is not affected and the data is considered sufficient to satisfy project Data Quality Objectives.

- No additional data quality issues were present during the October 2016 sampling event.

## 6.0 SUMMARY

The data collected in September 2015, January 2016, May 2016, and October 2016 was compared to applicable New Mexico WQS and historical concentrations (Tables A-1 and A-2, Appendix A). Exceedances of applicable standards from the three quarterly sampling events and historical sampling events are summarized below.

Concentrations of AOCs in the upstream and downstream surface water samples collected from the Santa Fe River did not exceed any New Mexico Surface Water Standard during the four quarterly sampling events with the exception of concentrations of nitrate-nitrite, aluminum, silver, and thallium.

Concentrations of nitrate-nitrite were of 1.8 mg/L (upstream sample) and 1.5 mg/L (downstream sample) during January 2016 and 1.1 mg/L (upstream and downstream samples) in October 2016 compared to the New Mexico Surface Water Standard for livestock watering of 0.132 mg/L. Historically, the river was only sampled on two other occasions (August 2002 and April 2003). In April 2003, the upstream and downstream surface water samples also exceeded the livestock watering standard for nitrate-nitrite with concentrations of 0.92 mg/L and 0.96 mg/L, respectively.

Estimated concentrations of aluminum detected in May and October 2016 exceeded the NM WQS for Drinking Water of 0.006 mg/L. Aluminum was detected at 0.0722 mg/L and 0.0420 mg/L (upstream samples); and 0.277 mg/L and 0.0431 mg/L (downstream sample). Silver was detected at estimated concentrations of 0.0014 mg/L (upstream sample) and 0.0012 mg/L (downstream sample) in October 2016. These sample concentrations are just slightly greater than the NM WQS for Aquatic Life of 0.001 mg/L. Thallium was detected at an estimated concentration of 0.0025 mg/L during the October 2016 event in the upstream sample. This exceeds the NM WQS for Drinking Water of 0.002 mg/L.

The only metals detected in the groundwater wells that exceed their respective New Mexico Groundwater Standards are manganese and uranium. During the current and historical sampling events, manganese consistently exceeded the groundwater standard of 0.2 mg/L at MW-3 and MW-5. Concentrations of manganese have remained relatively static in each well over time. A single exceedance occurred at MW-1 in 2003.

Concentrations of uranium have consistently exceeded the groundwater standard of 0.03 mg/L at MW-3 and MW-4 currently and historically. The current concentration of uranium at MW-3 (0.291 mg/L) has decreased by more than half since its maximum detection in 1999 (0.65 mg/L). Although decreasing uranium concentrations are also evident at MW-4 the difference is not quite as great. The maximum historical concentration (0.2 mg/L) was detected in March 1998 with concentrations decreasing to 0.12 mg/L to 0.16 mg/L in September 1998 to August 2002. Current concentrations (0.0658 mg/L to 0.0969 mg/L) have been holding steady since April 2003.

In 1998 and 1999, uranium was also detected in MW-5 and MW-6 at concentrations greater than the New Mexico Groundwater Standard. MW-6 has been dry during the last four sampling events and therefore not sampled; however, uranium was detected at 0.018 mg/L during the last

sample collected from the well in 2010. Uranium concentrations in MW-5 have been less than the standard since June 1999.

Sulfate and TDS in MW-3 are the only other AOCs exceeding their respective New Mexico Groundwater Standard. Both constituents have exceeded the standard in every sampling event since March 1998; however, current concentrations of both constituents show an overall decreasing pattern when compared to pre-2010 results. Current sulfate concentrations range from 728 mg/L to 826 mg/L compared to 1998 to 2003 concentrations of 1,170 mg/L to 1,430 mg/L. Current TDS concentrations range from 1,640 mg/L to 1,970 mg/L compared to 1998 to 2003 concentrations of 2,360 mg/L to 2,740 mg/L.

## 7.0 REFERENCES

- AWWA, 2003. Manual of Water Supply Practices, M21 AWWA 3<sup>rd</sup> Edition.
- Bartolino, James R. and Cole, James C., 2002. *Ground-Water Resources of the Middle Rio Grande Basin, New Mexico*. U.S. Geological Survey, Circular 1222, 2002.
- Chenoweth, William L., 1979. *Uranium in the Santa Fe Area, New Mexico*. New Mexico Geologic Society Guidebook, 30<sup>th</sup> Field Conference, Santa Fe County, 1979.
- Driscoll, Fletcher G. 1989. *Groundwater and Wells*, Second Edition, 1989.
- New Mexico Environment Department (NMED), 2007. *New Mexico Wastewater Systems Operator Certification Study Manual*. Prepared by the Water Utilities Technical Assistance Program for the Utility Operators Certification Program, NMED Surface Water Quality Board. Dated November 2007.
- Todd, D.K., 1980. *Groundwater Hydrology* 2<sup>nd</sup> edition, John Wiley & Sons, New York, 280 pp.
- Western Regional Climate Center (WRCC), 2015. Period of Record Monthly Climate Summary Cochiti Dam, New Mexico. <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?nm1982>. Accessed June 24, 2015.
- Weston Solutions, Inc. (WESTON), 2015a. *Final Sampling and Analysis Plan, Groundwater Investigation, La Bajada Mine Site, Santa Fe National Forest, New Mexico*. Dated July 2015.
- \_\_\_\_\_, 2015b. *Final First Quarterly Groundwater Monitoring Report, La Bajada Mine, Santa Fe National Forest, New Mexico*. Dated December 2015.
- \_\_\_\_\_, 2016a. *Final Second Quarterly Groundwater Monitoring Report, La Bajada Mine, Santa Fe National Forest, New Mexico*. Dated March 2016.
- \_\_\_\_\_, 2016b. *Final Third Quarterly Groundwater Monitoring Report, La Bajada Mine, Santa Fe National Forest, New Mexico*. Dated September 2016.
- Whitlock and Kelly, 2010. Groundwater monitoring and remediation, Relationship between subsurface gas and Arsenic Mobilization in groundwater; Whitlock and Kelly; 30 No. 2 Spring 2010, pages 86-96.
- Whitworth, T.M., 1996. Potential environmental impact of the abandoned La Bajada uranium mine near Cochiti Lake, Santa Fe and Sandoval Counties, New Mexico. *New Mexico Geology*, August 1996.
- Wiedemeier, Todd H., 1999. *Natural Attenuation of Fuels and Chlorinated Solvents in the Subsurface*. John Wiley & Sons, Inc., New York, 175 pp.

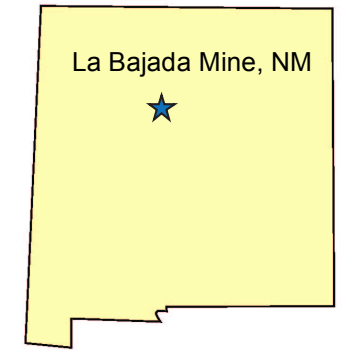
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## FIGURES

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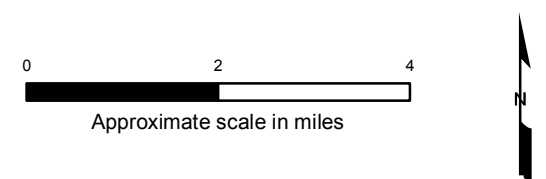


**Legend**

- Points of Interest
- La Bajada Mine
- Dirt Road
- Indian Route
- State Route
- Interstate
- Rivers and Streams
- Lake

Baselayer Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 Baselayer Date: 2011

**Figure 1**  
 Site Vicinity Map  
 La Bajada Mine Groundwater Investigation  
 Santa Fe National Forest, New Mexico





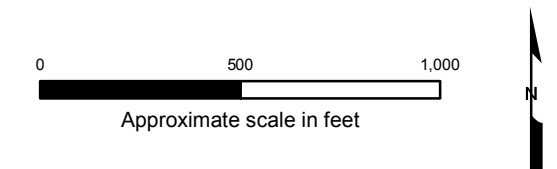
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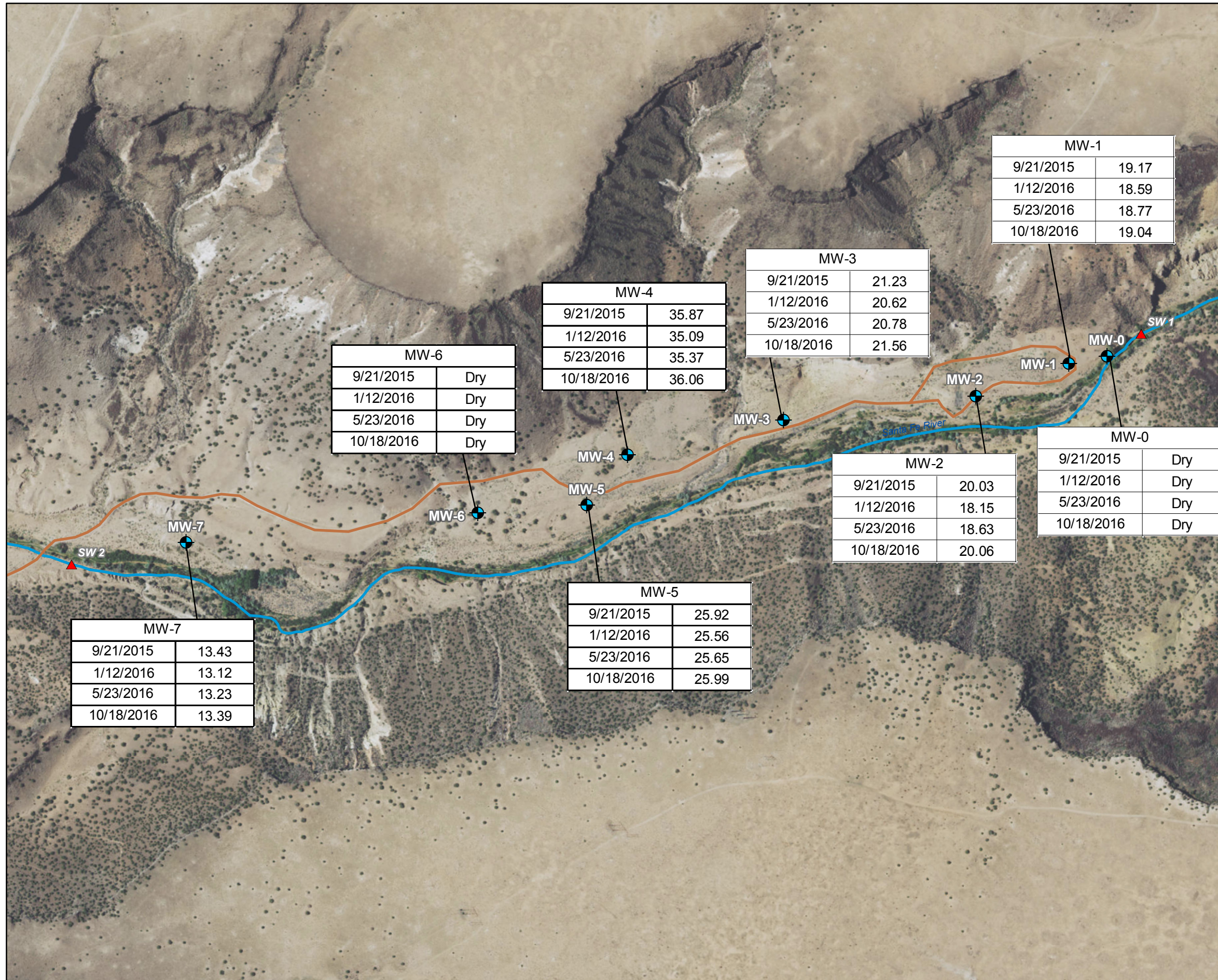
- ▲ Surface Water Sample Location
- Monitoring Well
- Historical Mine Pit
- Historical Waste Rock
- Dirt Road
- River

Note: Historical features are approximate and are based on a Google Earth aerial photograph dated October 7, 1996 and figure from the Site Health and Safety Plan for the La Bajada Mine Restoration dated March 1996.

Baselayer Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
 Baselayer Date: 2011  
 Coordinates: UTM NAD83 13N

**Figure 2**  
 Well Location Map  
 La Bajada Mine Groundwater Investigation  
 Santa Fe National Forest, New Mexico





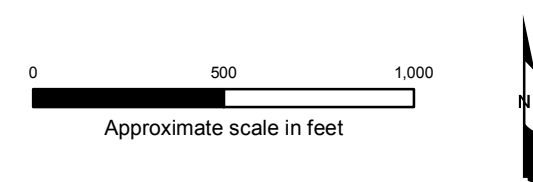
**Legend**

- ▲ Surface Water Sample Location
- Monitoring Well
- Dirt Road
- River

Note:  
Depth-to-water measured from the north side of the top of each well casing.

Baselayer Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
Baselayer Date: 2011  
Coordinates: UTM NAD83 13N

**Figure 3**  
Depth-to-Water Measurements  
La Bajada Mine Groundwater Investigation  
Santa Fe National Forest, New Mexico



| MW-1       |       |
|------------|-------|
| 9/21/2015  | 19.17 |
| 1/12/2016  | 18.59 |
| 5/23/2016  | 18.77 |
| 10/18/2016 | 19.04 |

| MW-3       |       |
|------------|-------|
| 9/21/2015  | 21.23 |
| 1/12/2016  | 20.62 |
| 5/23/2016  | 20.78 |
| 10/18/2016 | 21.56 |

| MW-4       |       |
|------------|-------|
| 9/21/2015  | 35.87 |
| 1/12/2016  | 35.09 |
| 5/23/2016  | 35.37 |
| 10/18/2016 | 36.06 |

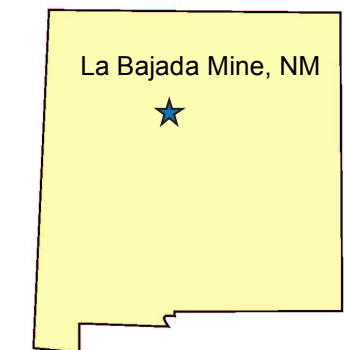
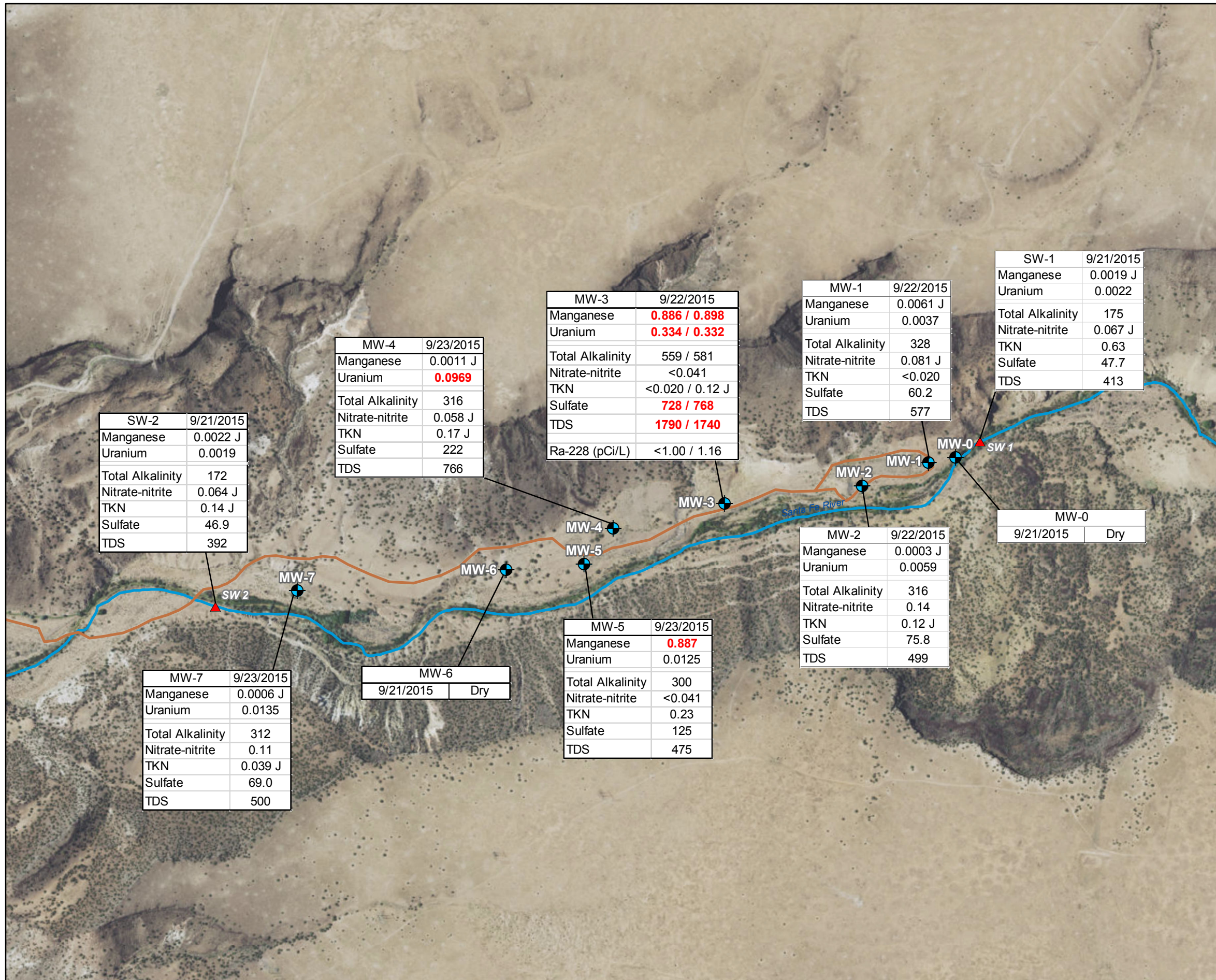
| MW-6       |     |
|------------|-----|
| 9/21/2015  | Dry |
| 1/12/2016  | Dry |
| 5/23/2016  | Dry |
| 10/18/2016 | Dry |

| MW-0       |     |
|------------|-----|
| 9/21/2015  | Dry |
| 1/12/2016  | Dry |
| 5/23/2016  | Dry |
| 10/18/2016 | Dry |

| MW-2       |       |
|------------|-------|
| 9/21/2015  | 20.03 |
| 1/12/2016  | 18.15 |
| 5/23/2016  | 18.63 |
| 10/18/2016 | 20.06 |

| MW-5       |       |
|------------|-------|
| 9/21/2015  | 25.92 |
| 1/12/2016  | 25.56 |
| 5/23/2016  | 25.65 |
| 10/18/2016 | 25.99 |

| MW-7       |       |
|------------|-------|
| 9/21/2015  | 13.43 |
| 1/12/2016  | 13.12 |
| 5/23/2016  | 13.23 |
| 10/18/2016 | 13.39 |



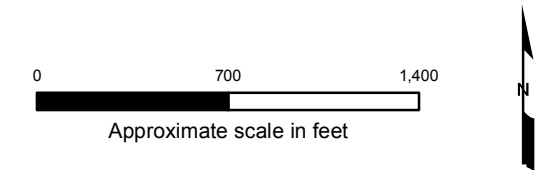
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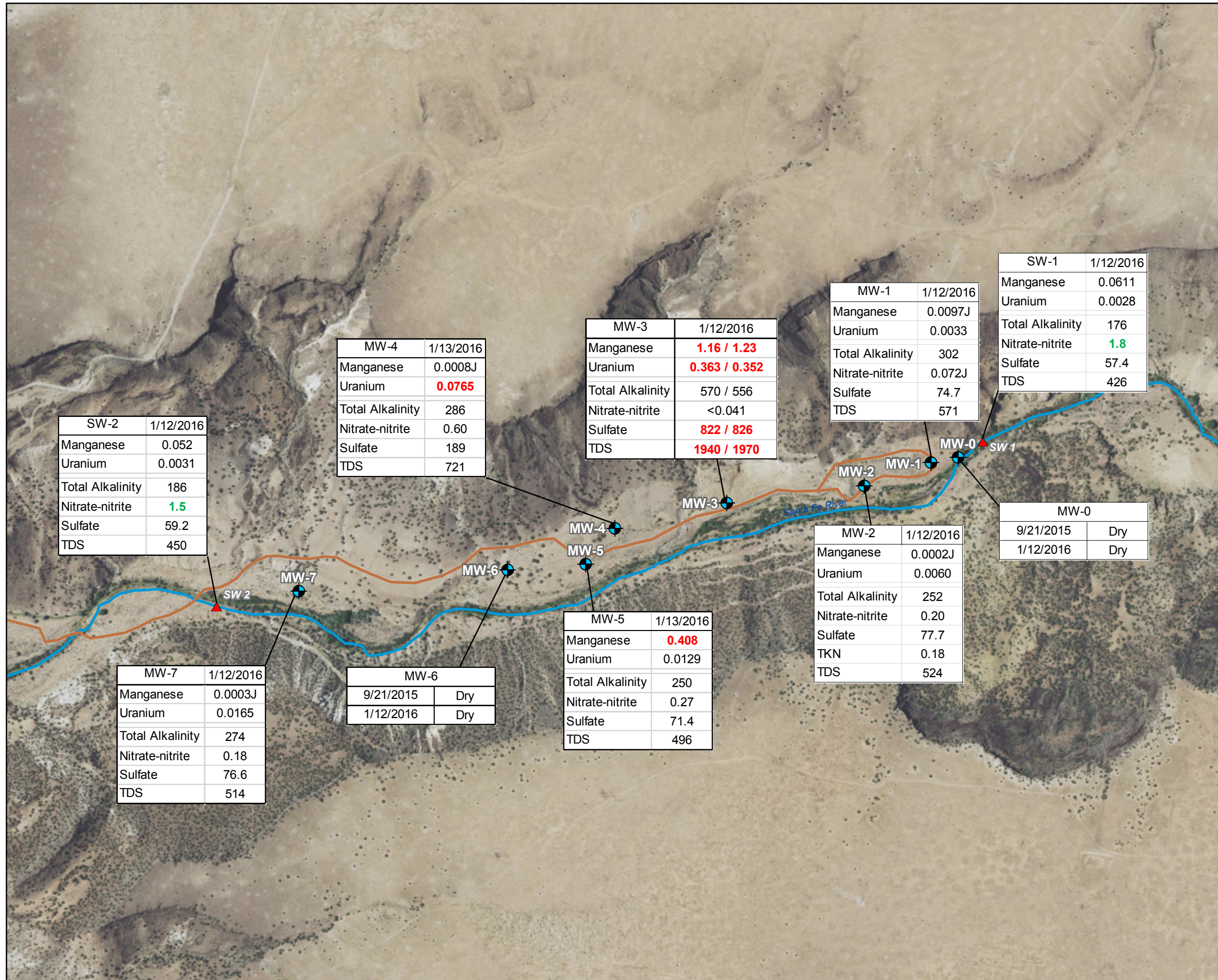
- ▲ Surface Water Sample Location
- Monitoring Well
- Dirt Road
- River

Note:  
 Results are in milligrams per liter (mg/L).  
 Only results above the laboratory reporting limit are shown.  
**Red Text:** Result exceeds NM Water Quality Standard

Baselayer Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
 Baselayer Date: 2011  
 Coordinates: UTM NAD83 13N

**Figure 4**  
 Select Analytical Results - September 2015  
 La Bajada Mine Groundwater Investigation  
 Santa Fe National Forest, New Mexico





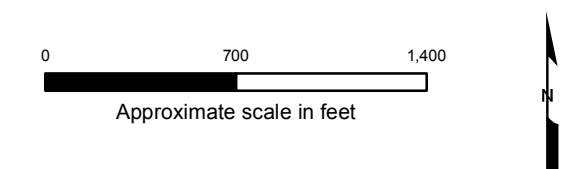
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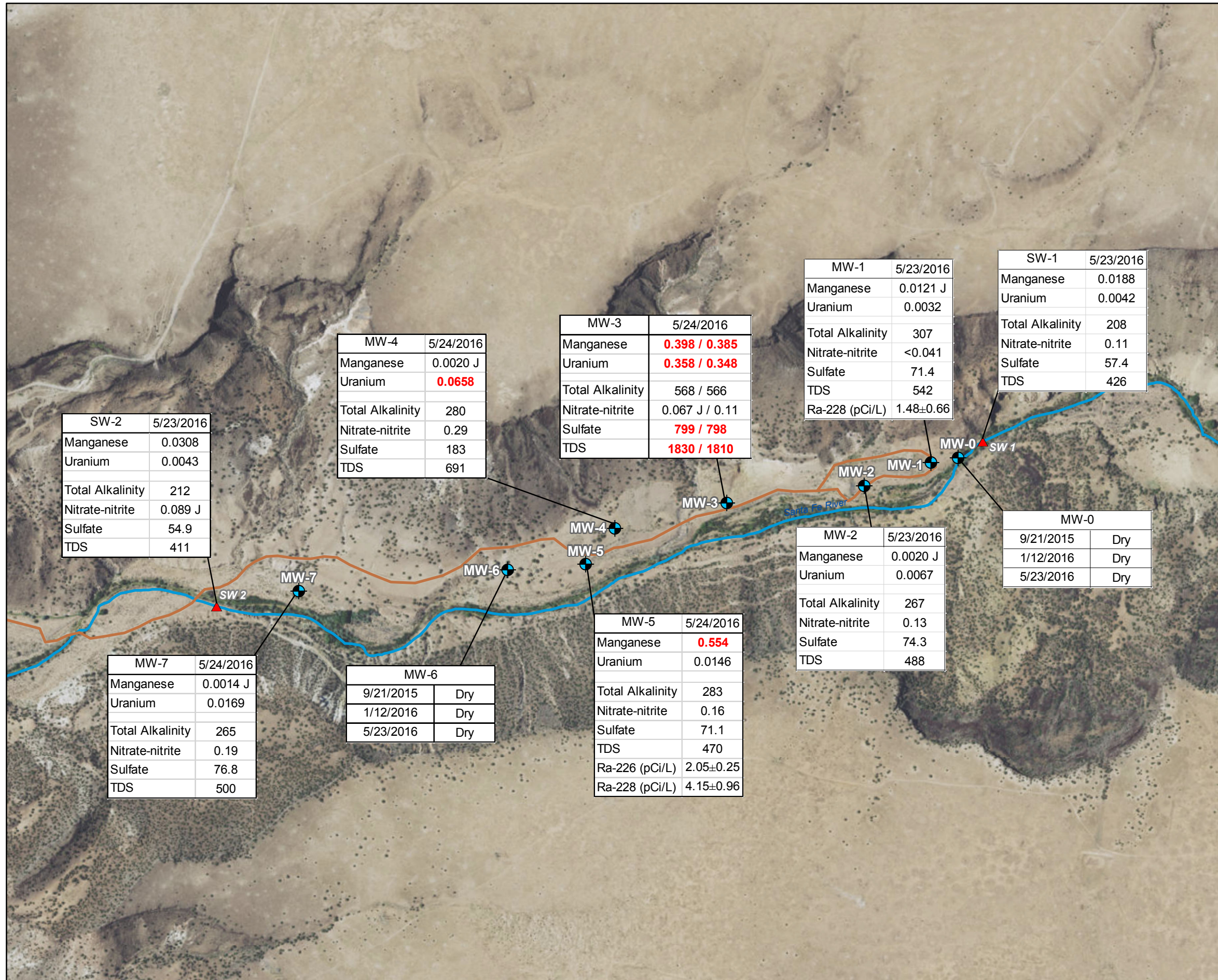
- ▲ Surface Water Sample Location
- Monitoring Well
- Dirt Road
- River

Note:  
 Results are in milligrams per liter (mg/L).  
 Only results above the laboratory reporting limit are shown.  
Green Text: Result that exceeds NM Water Quality Ecological Standard  
Red Text: Result exceeds NM Water Quality Human Health Standard

Baselayer Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
 Baselayer Date: 2011  
 Coordinates: UTM NAD83 13N

**Figure 5**  
 Select Analytical Results - January 2016  
 La Bajada Mine Groundwater Investigation  
 Santa Fe National Forest, New Mexico





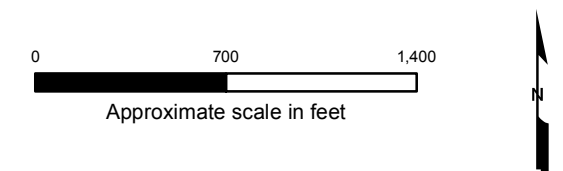
**Legend**

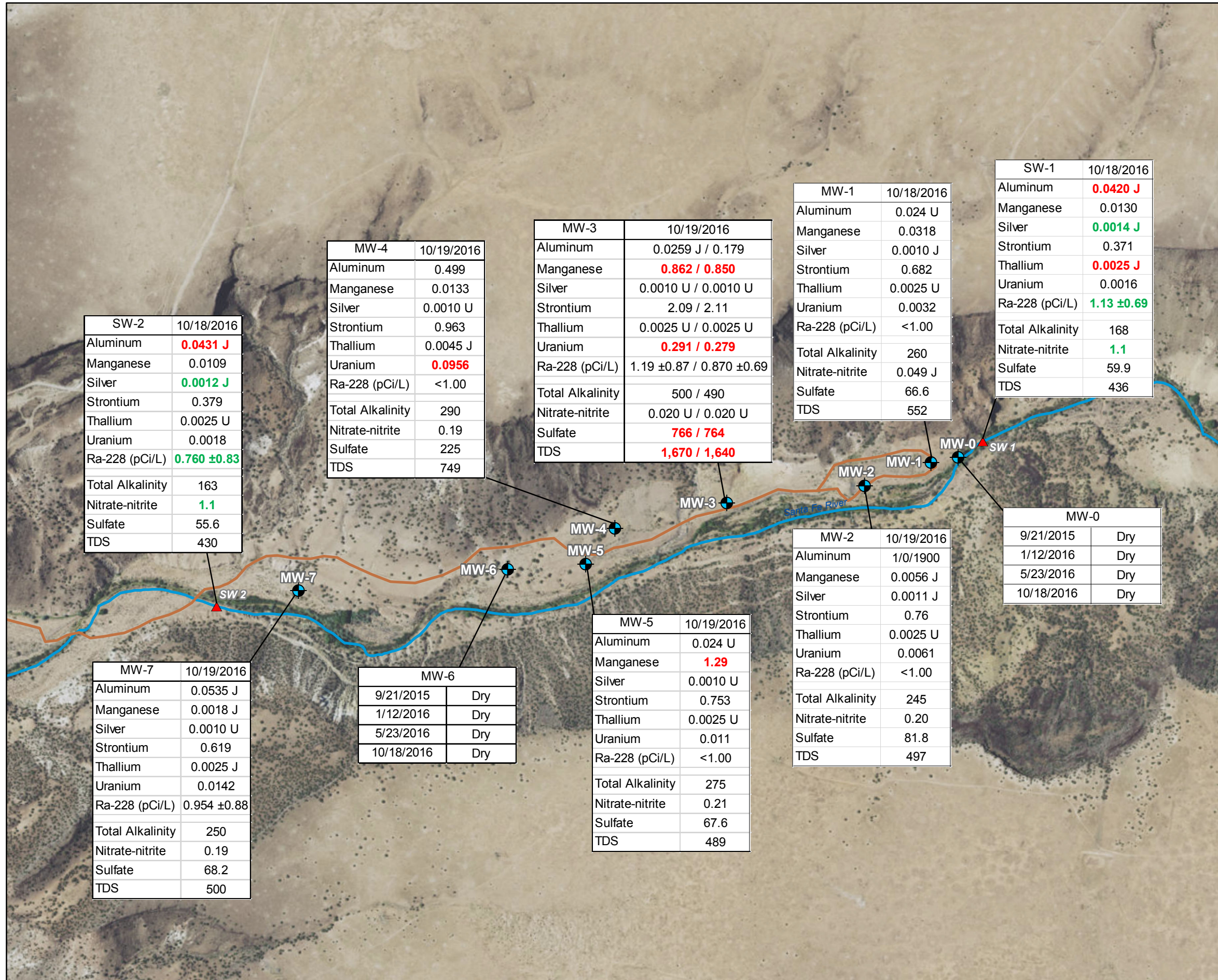
- ▲ Surface Water Sample Location
- Monitoring Well
- Dirt Road
- River

Note:  
 Results are in milligrams per liter (mg/L) unless otherwise noted.  
 Only results above the laboratory reporting limit are shown.  
Red Text: Result exceeds NM Water Quality Standard

Baselayer Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
 Baselayer Date: 2011  
 Coordinates: UTM NAD83 13N

**Figure 6**  
 Select Analytical Results - May 2016  
 La Bajada Mine Groundwater Investigation  
 Santa Fe National Forest, New Mexico





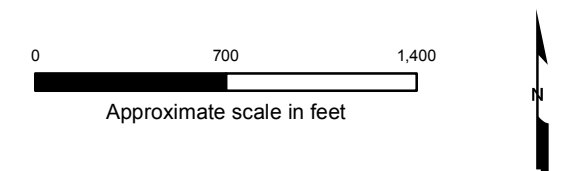
**Legend**

- ▲ Surface Water Sample Location
- Monitoring Well
- Dirt Road
- River

Note:  
 Results shown in milligrams per liter (mg/L) unless otherwise noted.  
 Only results above the laboratory reporting limit are shown.  
Green Text: Result that exceeds NM Water Quality Ecological Standard  
Red Text: Result exceeds NM Water Quality Human Health Standard

Baselayer Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
 Baselayer Date: 2011  
 Coordinates: UTM NAD83 13N

**Figure 7**  
 Select Analytical Results - October 2016  
 La Bajada Mine Groundwater Investigation  
 Santa Fe National Forest, New Mexico



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**APPENDIX A**

**Data Summary Tables**

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**Table A-3  
Surface and Groundwater Quality Measurements  
La Bajada Mine Site, Santa Fe National Forest, NM**

| Location              | Date      | Time | pH   | Temperature (°C) | Specific Conductivity (µS/cm) | ORP   | DO (mg/L) | Turbidity (NTU) |
|-----------------------|-----------|------|------|------------------|-------------------------------|-------|-----------|-----------------|
| <b>September 2015</b> |           |      |      |                  |                               |       |           |                 |
| SW-1                  | 9/21/2015 | 1540 | 8.52 | 18.77            | 449                           | 152.6 | 11.48     | NC              |
| SW-2                  | 9/21/2015 | 1510 | 8.46 | 19.24            | 464                           | 175.2 | 11.11     | NC              |
| MW-1                  | 9/22/2015 | 1000 | 6.64 | 17.18            | 666                           | 209.4 | 7.03      | 4.94            |
|                       |           | 1005 | 6.57 | 17.29            | 663                           | 225.8 | 9.59      | 4.06            |
|                       |           | 1010 | 6.57 | 16.89            | 662                           | 232.6 | 5.31      | 3.49            |
|                       |           | 1015 | 6.62 | 16.83            | 661                           | 237.5 | 7.32      | 2.41            |
|                       |           | 1020 | 6.66 | 16.77            | 658                           | 238.6 | 7.44      | 2.95            |
|                       |           | 1025 | 6.66 | 17.11            | 657                           | 240.2 | 3.80      | 2.38            |
| MW-2                  | 9/22/2015 | 1030 | 6.73 | 18.20            | 656                           | 240.6 | 5.01      | 2.02            |
|                       |           | 1135 | 7.55 | 19.79            | 570                           | 79.9  | 9.26      | 19.60           |
|                       |           | 1140 | 6.75 | 16.89            | 536                           | 142.6 | 6.87      | 5.35            |
|                       |           | 1145 | 6.76 | 16.95            | 533                           | 161.1 | 6.35      | 3.96            |
|                       |           | 1150 | 6.79 | 16.68            | 534                           | 171.2 | 5.67      | 3.41            |
|                       |           | 1155 | 6.83 | 17.09            | 533                           | 179.3 | 5.62      | 4.14            |
| MW-3                  | 9/22/2015 | 1200 | 6.84 | 17.22            | 533                           | 188.3 | 5.99      | 6.62            |
|                       |           | 1205 | 6.88 | 17.13            | 530                           | 194.6 | 5.98      | 5.01            |
|                       |           | 1315 | 6.66 | 18.94            | 1582                          | 104.2 | 3.09      | 7.73            |
|                       |           | 1320 | 6.39 | 20.08            | 1570                          | 129.0 | 3.15      | 7.44            |
|                       |           | 1325 | 6.34 | 20.07            | 1575                          | 139.5 | 3.12      | 8.37            |
|                       |           | 1330 | 6.28 | 20.40            | 1574                          | 145.9 | 1.89      | 8.26            |
| MW-4                  | 9/23/2015 | 1335 | 6.17 | 20.88            | 1576                          | 163.0 | 1.88      | 8.69            |
|                       |           | 1340 | 6.13 | 20.40            | 1575                          | 177.4 | 1.03      | 7.92            |
|                       |           | 1345 | 6.04 | 21.09            | 1580                          | 189.6 | 0.71      | 8.02            |
|                       |           | 1423 | 6.71 | 17.80            | 815                           | 95.7  | 1.70      | 24.50           |
|                       |           | 1428 | 6.54 | 17.76            | 807                           | 124.2 | 1.47      | 17.4            |
|                       |           | 1433 | 6.54 | 18.35            | 808                           | 138.5 | 1.48      | 15.1            |
| MW-5                  | 9/23/2015 | 1604 | 6.34 | 18.34            | 812                           | 128.3 | 1.56      | 10.9            |
|                       |           | 1609 | 6.37 | 18.01            | 810                           | 163.2 | 1.45      | 8.81            |
|                       |           | 1614 | 6.16 | 17.23            | 807                           | 191.1 | 1.34      | 7.17            |
|                       |           | 1619 | 6.22 | 16.89            | 807                           | 199.7 | 1.40      | 6.97            |
|                       |           | 1212 | 7.06 | 16.52            | 678                           | 74.5  | 2.91      | 31.10           |
|                       |           | 1217 | 6.72 | 18.05            | 574                           | 78.5  | 1.87      | 27.7            |
| MW-7                  | 9/23/2015 | 1222 | 6.72 | 19.10            | 575                           | 51.1  | 1.91      | 22.8            |
|                       |           | 1227 | 6.87 | 19.99            | 575                           | 21.7  | 1.64      | 21.9            |
|                       |           | 1232 | 6.80 | 20.43            | 575                           | 14.5  | 1.61      | 20.50           |
|                       |           | 1237 | 6.79 | 20.89            | 577                           | 3.1   | 1.56      | 18              |
|                       |           | 1242 | 6.80 | 21.55            | 577                           | 0.9   | 1.52      | 17.3            |
|                       |           | 1023 | 6.81 | 15.77            | 636                           | 134.0 | 2.80      | 5.40            |
| MW-7                  | 9/23/2015 | 1028 | 6.52 | 16.91            | 622                           | 174.3 | 2.01      | 3.91            |
|                       |           | 1033 | 6.50 | 16.97            | 619                           | 185.6 | 1.98      | 2.09            |
|                       |           | 1038 | 6.49 | 17.12            | 617                           | 201.4 | 1.97      | 2.87            |
|                       |           | 1043 | 6.47 | 17.31            | 611                           | 216.3 | 2.10      | 2.61            |
|                       |           | 1048 | 6.47 | 17.05            | 613                           | 223.9 | 2.01      | 3.08            |
|                       |           | 1053 | 6.47 | 17.32            | 607                           | 233.1 | 2.23      | 2.38            |

**Table A-3 (continued)**  
**Groundwater Quality Measurements**  
**La Bajada Mine Site, Santa Fe National Forest, NM**

| Location            | Date      | Time | pH   | Temperature (°C) | Specific Conductivity (µS/cm) | ORP    | DO (mg/L) | Turbidity (NTU) |
|---------------------|-----------|------|------|------------------|-------------------------------|--------|-----------|-----------------|
| <b>January 2016</b> |           |      |      |                  |                               |        |           |                 |
| SW-1                | 1/12/2016 | 900  | 9.31 | -0.58            | 759                           | -27.7  | 4.19      | NC              |
| SW-2                | 1/12/2016 | 800  | 7.95 | -0.72            | 773                           | 28.5   | 10.11     | NC              |
| MW-1                | 1/12/2016 | 950  | 8.09 | 8.25             | 1089                          | -40.3  | 3.99      | 0.95            |
|                     |           | 955  | 7.49 | 14.10            | 1112                          | -65.9  | 1.32      | 49.0            |
|                     |           | 1000 | 7.52 | 14.32            | 1126                          | -71.7  | 1.27      | 49.0            |
|                     |           | 1005 | 7.53 | 14.29            | 1129                          | -63.8  | 1.34      | 63.2            |
|                     |           | 1010 | 7.53 | 14.36            | 1129                          | -66.0  | 16.12     | 57.5            |
|                     |           | 1015 | 7.53 | 14.15            | 1129                          | -65.0  | 1.69      | 54.8            |
|                     |           | 1020 | 7.51 | 14.08            | 1128                          | -69.1  | 1.42      | 50.0            |
| MW-2                | 1/12/2016 | 1110 | 7.49 | 13.25            | 1057                          | -10.3  | 2.77      | 7.81            |
|                     |           | 1115 | 7.40 | 14.73            | 1052                          | -19.0  | 1.59      | 1.83            |
|                     |           | 1120 | 7.40 | 15.03            | 1052                          | -13.0  | 1.26      | 1.47            |
|                     |           | 1125 | 7.40 | 15.19            | 1050                          | -14.8  | 1.18      | 0.89            |
|                     |           | 1130 | 7.40 | 15.13            | 1051                          | -10.9  | 1.13      | 0.78            |
|                     |           | 1135 | 7.41 | 15.08            | 1050                          | -10.4  | 1.17      | 0.73            |
|                     |           | 1140 | 7.43 | 15.01            | 1049                          | -8.1   | 1.13      | 0.65            |
| MW-3                | 1/12/2016 | 1225 | 7.23 | 15.69            | 2622                          | -163.5 | 1.55      | 16.6            |
|                     |           | 1230 | 7.14 | 15.59            | 2592                          | -126.1 | 1.41      | 7.74            |
|                     |           | 1235 | 7.10 | 15.40            | 2549                          | -91.0  | 1.18      | 5.66            |
|                     |           | 1240 | 7.10 | 15.30            | 2554                          | -58.6  | 1.05      | 4.05            |
|                     |           | 1245 | 7.08 | 15.20            | 2575                          | -45.6  | 1.03      | 5.51            |
|                     |           | 1250 | 7.07 | 15.27            | 26.2                          | -27.4  | 0.97      | 3.29            |
| MW-4                | 1/12/2016 | 1100 | 6.99 | 13.26            | 1361                          | 105.9  | 4.18      | 22.9            |
|                     |           | 1105 | 6.95 | 14.01            | 1382                          | 110.2  | 2.54      | 21.4            |
|                     |           | 1110 | 6.96 | 14.15            | 1380                          | 107.7  | 2.34      | 21.5            |
|                     |           | 1115 | 6.96 | 14.13            | 1385                          | 107.5  | 2.29      | 13.2            |
|                     |           | 1120 | 6.96 | 14.19            | 1384                          | 107.9  | 2.14      | 8.86            |
|                     |           | 1125 | 6.96 | 14.18            | 1383                          | 108.8  | 2.01      | 9.21            |
| MW-5                | 1/13/2016 | 910  | 7.43 | 10.52            | 1085                          | 27.3   | 2.43      | 43              |
|                     |           | 915  | 7.40 | 11.23            | 1054                          | -12.8  | 1.52      | 36.9            |
|                     |           | 920  | 7.39 | 11.82            | 1047                          | -20.3  | 1.27      | 29.5            |
|                     |           | 925  | 7.35 | 12.96            | 1043                          | -30.6  | 1.20      | 19.6            |
|                     |           | 930  | 7.33 | 12.32            | 1041                          | -28.5  | 1.25      | 12.8            |
|                     |           | 935  | 7.30 | 12.84            | 1033                          | -34.7  | 1.24      | 9.07            |
|                     |           | 940  | 7.28 | 13.08            | 1031                          | -38.4  | 1.29      | 6.32            |
| MW-7                | 1/13/2016 | 1420 | 7.42 | 13.16            | 1092                          | 84.6   | 3.74      | 2.92            |
|                     |           | 1425 | 7.34 | 13.77            | 1060                          | 84.6   | 2.40      | 1.64            |
|                     |           | 1430 | 7.34 | 13.57            | 1056                          | 86.0   | 2.21      | 0.70            |
|                     |           | 1435 | 7.34 | 13.69            | 1047                          | 87.0   | 2.08      | 0.31            |
|                     |           | 1440 | 7.35 | 13.24            | 1052                          | 87.0   | 1.98      | 0.73            |

**Table A-3 (continued)**  
**Groundwater Quality Measurements**  
**La Bajada Mine Site, Santa Fe National Forest, NM**

| Location            | Date       | Time | pH   | Temperature (°C) | Specific Conductivity (µS/cm) | ORP    | DO (mg/L) | Turbidity (NTU) |
|---------------------|------------|------|------|------------------|-------------------------------|--------|-----------|-----------------|
| <b>May 2016</b>     |            |      |      |                  |                               |        |           |                 |
| SW-1                | 5/23/2016  | 1409 | 9.19 | 19.80            | 691                           | 84.0   | 15.45     | NC              |
| SW-2                | 5/23/2016  | 1300 | 9.10 | 18.47            | 667                           | 148.4  | 14.05     | NC              |
| MW-1                | 5/23/2016  | 1452 | 7.67 | 17.47            | 929                           | 129.3  | 10.62     | 2.94            |
|                     |            | 1457 | 6.65 | 16.43            | 895                           | 111.7  | 5.90      | 2.77            |
|                     |            | 1502 | 7.62 | 16.40            | 893                           | 1067.0 | 5.62      | 2.79            |
|                     |            | 1507 | 7.62 | 16.29            | 895                           | 102.0  | 5.22      | 2.32            |
| MW-2                | 5/23/2016  | 1555 | 7.54 | 17.64            | 786                           | 110.4  | 7.11      | 6.95            |
|                     |            | 1600 | 7.64 | 15.39            | 766                           | 58.4   | 3.24      | 3.60            |
|                     |            | 1605 | 7.58 | 15.29            | 778                           | 56.3   | 3.10      | 2.99            |
|                     |            | 1610 | 7.58 | 15.45            | 779                           | 58.6   | 2.99      | 2.29            |
| MW-3                | 5/24/2016  | 1615 | 7.57 | 15.36            | 781                           | 57.7   | 3.03      | 2.18            |
|                     |            | 753  | 7.03 | 15.03            | 2214                          | 225.3  | 6.55      | 2.32            |
|                     |            | 758  | 7.07 | 15.93            | 2109                          | 231.2  | 4.44      | 2.51            |
|                     |            | 803  | 7.07 | 16.02            | 2107                          | 225.9  | 3.57      | 2.23            |
| MW-4                | 5/24/2016  | 808  | 7.07 | 16.19            | 2112                          | 213.0  | 3.57      | 1.97            |
|                     |            | 813  | 7.07 | 16.35            | 2113                          | 210.2  | 3.61      | 2.18            |
| MW-5                | 5/24/2016  | 1404 | 7.09 | 22.07            | 106                           | 103.7  | 3.96      | 4.54            |
| MW-7                | 5/24/2016  | 1341 | 7.09 | 27.05            | 896                           | 113.4  | 7.12      | 86.8            |
| MW-7                | 5/24/2016  | 1113 | 7.32 | 16.62            | 884                           | 62.3   | 7.10      | 2.42            |
|                     |            | 1118 | 7.24 | 15.67            | 849                           | 39.2   | 3.71      | 1.65            |
|                     |            | 1123 | 7.21 | 15.41            | 839                           | 29.3   | 3.64      | 2.42            |
|                     |            | 1128 | 7.22 | 15.22            | 833                           | 24.9   | 3.65      | 1.98            |
|                     |            | 1133 | 7.27 | 15.29            | 830                           | 22.6   | 3.62      | 1.83            |
| <b>October 2016</b> |            |      |      |                  |                               |        |           |                 |
| SW-1                | 10/18/2016 | 1530 | 9.22 | 13.70            | 615                           | 59.0   | 65.65     | NC              |
| SW-2                | 10/18/2016 | 1430 | 8.89 | 13.02            | 620                           | 49.5   | 1.03      | NC              |
| MW-1                | 10/18/2016 | 1630 | 7.95 | 21.79            | 464                           | 92.6   | 6.75      | 0.86            |
|                     |            | 1635 | 7.61 | 17.19            | 824                           | 72.2   | 0.78      | 0.63            |
|                     |            | 1640 | 7.52 | 17.70            | 821                           | 75.3   | 1.04      | 0.65            |
|                     |            | 1645 | 7.50 | 17.60            | 822                           | 72.9   | 0.88      | 0.40            |
|                     |            | 1650 | 7.46 | 17.25            | 822                           | 75.3   | 0.89      | 0.50            |
| MW-2                | 10/19/2016 | 906  | 7.62 | 14.13            | 681                           | 107.1  | 6.35      | 5.18            |
|                     |            | 910  | 7.49 | 14.11            | 703                           | 111.1  | 7.65      | 2.31            |
|                     |            | 915  | 7.55 | 14.14            | 684                           | 113.3  | 4.12      | 1.76            |
|                     |            | 920  | 7.58 | 14.19            | 680                           | 112.6  | 4.21      | 1.25            |
| MW-3                | 10/19/2016 | 925  | 7.57 | 14.18            | 675                           | 113.2  | 4.19      | 1.17            |
|                     |            | 1040 | 7.32 | 17.99            | 1697                          | 16.8   | 14.98     | 2.72            |
|                     |            | 1045 | 7.18 | 17.86            | 1704                          | 16.1   | 5.12      | 2.58            |
|                     |            | 1050 | 7.17 | 18.17            | 1697                          | 22.9   | 4.98      | 2.61            |
| MW-4                | 10/19/2016 | 1055 | 7.15 | 18.16            | 1686                          | 29.1   | 4.90      | 2.70            |
|                     |            | 1415 | 7.27 | 18.45            | 1073                          | 68.6   | 11.96     | 4.86            |
|                     |            | 1420 | 7.12 | 16.81            | 1024                          | 68.1   | 7.70      | 10.8            |
|                     |            | 1425 | 7.11 | 16.61            | 1023                          | 96.7   | 6.72      | 7.61            |
| MW-5                | 10/19/2016 | 1430 | 7.10 | 16.70            | 1023                          | 104.5  | 5.97      | 6.71            |
|                     |            | 1435 | 7.11 | 16.57            | 1025                          | 108.3  | 5.79      | 5.96            |
|                     |            | 1210 | 7.72 | 18.00            | 801                           | -6.0   | 19.75     | 11.93           |
|                     |            | 1215 | 7.48 | 18.07            | 748                           | 7.7    | 10.49     | 11.14           |
| MW-7                | 10/19/2016 | 1220 | 7.44 | 17.82            | 744                           | 5.2    | 9.88      | 9.27            |
|                     |            | 1225 | 7.42 | 17.61            | 744                           | 4.5    | 9.68      | 9.09            |
|                     |            | 1520 | 7.80 | 21.35            | 1870                          | 924.0  | 16.31     | 4.17            |
|                     |            | 1525 | 7.39 | 18.75            | 733                           | 107.5  | 7.12      | 4.18            |
| MW-7                | 10/19/2016 | 1530 | 7.35 | 18.86            | 730                           | 111.1  | 5.94      | 3.83            |
|                     |            | 1535 | 7.33 | 19.02            | 730                           | 113.7  | 5.78      | 3.99            |
|                     |            | 1540 | 7.32 | 18.79            | 728                           | 114.0  | 5.42      | 3.89            |

°C: Degrees Celsius

DO: Dissolved Oxygen

NC: Not collected

ORP: Oxidation Reduction Potential

µS/cm: micro Siemens per centimeter

mg/L: milligrams per liter

NTU: Nephelometric Turbidity Units

**Table A-4**  
**Average Groundwater Quality Measurements**  
**La Bajada Mine Site, Santa Fe National Forest, NM**

| Well                  | Average Results |                     |                                  |             |              |                    |
|-----------------------|-----------------|---------------------|----------------------------------|-------------|--------------|--------------------|
|                       | pH              | Temperature<br>(°C) | Specific Conductivity<br>(µS/cm) | ORP<br>(mV) | DO<br>(mg/L) | Turbidity<br>(NTU) |
| <b>September 2015</b> |                 |                     |                                  |             |              |                    |
| MW-1                  | 6.64            | 17.18               | 660                              | 232.1       | 6.50         | 3.18               |
| MW-2                  | 6.91            | 17.39               | 538                              | 159.6       | 6.53         | 6.87               |
| MW-3                  | 6.29            | 20.27               | 1,576                            | 149.8       | 2.12         | 8.06               |
| MW-4                  | 6.41            | 17.77               | 809                              | 148.7       | 1.49         | 12.98              |
| MW-5                  | 6.82            | 19.50               | 590                              | 34.9        | 1.86         | 22.76              |
| MW-7                  | 6.53            | 16.92               | 618                              | 195.5       | 2.16         | 3.19               |
| <b>Site Average:</b>  | 6.60            | 18.17               | 799                              | 153.4       | 3.44         | 9.51               |
| <b>January 2016</b>   |                 |                     |                                  |             |              |                    |
| MW-1                  | 7.52            | 14.22               | 1,126                            | -66.9       | 1.84         | 53.92              |
| MW-2                  | 7.42            | 14.77               | 1,052                            | -12.4       | 1.46         | 2.02               |
| MW-3                  | 7.12            | 15.41               | 2,153                            | -85.4       | 1.20         | 7.14               |
| MW-4                  | 6.96            | 13.99               | 1,379                            | 108.0       | 2.58         | 16.18              |
| MW-5                  | 7.35            | 12.11               | 1,048                            | -19.7       | 1.46         | 22.46              |
| MW-7                  | 7.36            | 13.49               | 1,061                            | 85.8        | 2.48         | 1.26               |
| <b>Site Average:</b>  | 7.29            | 14.00               | 1,303                            | 1.6         | 1.84         | 17.16              |
| <b>May 2016</b>       |                 |                     |                                  |             |              |                    |
| MW-1                  | 7.39            | 16.65               | 903                              | 352.5       | 6.84         | 2.71               |
| MW-2                  | 7.58            | 15.83               | 778                              | 68.3        | 3.94         | 3.60               |
| MW-3                  | 7.11            | 15.90               | 2,131                            | 221.1       | 4.35         | 2.24               |
| MW-4                  | 7.35            | 22.07               | 106                              | 103.7       | 3.96         | 4.54               |
| MW-5                  | 7.94            | 27.05               | 896                              | 113.4       | 7.12         | 86.80              |
| MW-7                  | 7.42            | 15.64               | 847                              | 35.7        | 4.34         | 14.66              |
| <b>Site Average:</b>  | 7.47            | 18.86               | 944                              | 149.1       | 5.09         | 19.09              |
| <b>October 2016</b>   |                 |                     |                                  |             |              |                    |
| MW-1                  | 7.61            | 18.31               | 751                              | 77.7        | 2.07         | 0.61               |
| MW-2                  | 7.56            | 14.15               | 685                              | 111.5       | 5.30         | 2.33               |
| MW-3                  | 7.21            | 18.05               | 1,696                            | 21.2        | 7.50         | 2.65               |
| MW-4                  | 7.14            | 17.03               | 1,034                            | 89.2        | 7.63         | 7.19               |
| MW-5                  | 7.52            | 17.88               | 759                              | 2.9         | 12.45        | 10.36              |
| MW-7                  | 7.44            | 19.35               | 958                              | 274.1       | 8.11         | 4.01               |
| <b>Site Average:</b>  | 7.41            | 17.46               | 980                              | 96.1        | 7.18         | 4.53               |

DO: Dissolved Oxygen

ORP: Oxidation Reduction Potential

NTU: Nephelometric Turbidity Units

°C: Degrees Celsius

µS/cm: micro Siemens/centimeter

mg/L: milligrams per liter

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**APPENDIX B**

**Laboratory Analytical Reports**

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**Technical Report for**

**Weston Solutions, Inc.**

**La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico**

**12767.201.001.0020**

**Accutest Job Number: C41963**

**Sampling Dates: 09/21/15 - 09/23/15**

**Report to:**

**Weston Solutions, Inc.  
960 West Elliot Road Suite 101  
Tempe, AZ 85284  
b.wethington@westonsolutions.com**

**ATTN: Barbara Wethington**

**Total number of pages in report: 60**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.



**James J. Rhudy  
Lab Director**

**Client Service contact: Maureen Coloma 408-588-0200**

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925)  
DoD ELAP (L-A-B L2242)

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Test results relate only to samples analyzed.

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## Sample Summary

Weston Solutions, Inc.

Job No: C41963

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
Project No: 12767.201.001.0020

| Sample Number | Collected |          | Received | Matrix |                      | Client Sample ID |
|---------------|-----------|----------|----------|--------|----------------------|------------------|
|               | Date      | Time By  |          | Code   | Type                 |                  |
| C41963-1      | 09/22/15  | 10:30 DK | 09/25/15 | AQ     | Ground Water         | LB-MW1-092215    |
| C41963-1F     | 09/22/15  | 10:30 DK | 09/25/15 | AQ     | Groundwater Filtered | LB-MW1-092215    |
| C41963-2      | 09/22/15  | 12:05 DK | 09/25/15 | AQ     | Ground Water         | LB-MW2-092215    |
| C41963-2F     | 09/22/15  | 12:05 DK | 09/25/15 | AQ     | Groundwater Filtered | LB-MW2-092215    |
| C41963-3      | 09/22/15  | 13:48 DK | 09/25/15 | AQ     | Ground Water         | LB-MW3-092215    |
| C41963-3F     | 09/22/15  | 13:48 DK | 09/25/15 | AQ     | Groundwater Filtered | LB-MW3-092215    |
| C41963-4      | 09/22/15  | 13:50 DK | 09/25/15 | AQ     | Ground Water         | LB-MW3-092215D   |
| C41963-4F     | 09/22/15  | 13:50 DK | 09/25/15 | AQ     | Groundwater Filtered | LB-MW3-092215D   |
| C41963-5      | 09/23/15  | 16:55 DK | 09/25/15 | AQ     | Ground Water         | LB-MW4-092315    |
| C41963-5F     | 09/23/15  | 16:55 DK | 09/25/15 | AQ     | Groundwater Filtered | LB-MW4-092315    |
| C41963-6      | 09/23/15  | 13:45 DK | 09/25/15 | AQ     | Ground Water         | LB-MW5-092315    |
| C41963-6F     | 09/23/15  | 13:45 DK | 09/25/15 | AQ     | Groundwater Filtered | LB-MW5-092315    |
| C41963-7      | 09/23/15  | 10:55 DK | 09/25/15 | AQ     | Ground Water         | LB-MW7-092315    |



## Sample Summary

(continued)

Weston Solutions, Inc.

**Job No:** C41963

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

Project No: 12767.201.001.0020

| Sample Number | Collected |          | Received | Matrix |                      | Client Sample ID |
|---------------|-----------|----------|----------|--------|----------------------|------------------|
|               | Date      | Time By  |          | Code   | Type                 |                  |
| C41963-7D     | 09/23/15  | 10:55 DK | 09/25/15 | AQ     | Water Dup/MSD        | LB-MW7-092315    |
| C41963-7F     | 09/23/15  | 10:55 DK | 09/25/15 | AQ     | Groundwater Filtered | LB-MW7-092315    |
| C41963-7FD    | 09/23/15  | 10:55 DK | 09/25/15 | AQ     | Water Dup/MSD        | LB-MW7-092315    |
| C41963-7FS    | 09/23/15  | 10:55 DK | 09/25/15 | AQ     | Water Matrix Spike   | LB-MW7-092315    |
| C41963-7S     | 09/23/15  | 10:55 DK | 09/25/15 | AQ     | Water Matrix Spike   | LB-MW7-092315    |
| C41963-8      | 09/21/15  | 15:40 DK | 09/25/15 | AQ     | Ground Water         | LB-SW1-092115    |
| C41963-8F     | 09/21/15  | 15:40 DK | 09/25/15 | AQ     | Groundwater Filtered | LB-SW1-092115    |
| C41963-9      | 09/21/15  | 15:10 DK | 09/25/15 | AQ     | Ground Water         | LB-SW2-092115    |
| C41963-9F     | 09/21/15  | 15:10 DK | 09/25/15 | AQ     | Groundwater Filtered | LB-SW2-092115    |
| C41963-10F    | 09/23/15  | 18:00 DK | 09/25/15 | AQ     | Equip Blank Filtered | LB-EB1-092315    |

## Summary of Hits

**Job Number:** C41963  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 09/21/15 thru 09/23/15

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

**C41963-1 LB-MW1-092215**

|                             |         |      |       |      |                     |
|-----------------------------|---------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate     | 328     | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3  | 328     | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                    | 68.1    | 5.0  | 0.58  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite | 0.081 J | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Solids, Total Dissolved     | 577     | 10   | 2.5   | mg/l | SM2540 C-97         |
| Sulfate                     | 60.2    | 5.0  | 1.0   | mg/l | EPA 300/SW846 9056A |

**C41963-1F LB-MW1-092215**

|            |          |        |          |      |           |
|------------|----------|--------|----------|------|-----------|
| Arsenic    | 0.0058 J | 0.010  | 0.0025   | mg/l | EPA 200.7 |
| Barium     | 0.0626 J | 0.20   | 0.00050  | mg/l | EPA 200.7 |
| Boron      | 0.261    | 0.10   | 0.0032   | mg/l | EPA 200.7 |
| Calcium    | 77.5     | 5.0    | 0.069    | mg/l | EPA 200.7 |
| Cobalt     | 0.0017 J | 0.0050 | 0.00040  | mg/l | EPA 200.7 |
| Copper     | 0.0071 J | 0.010  | 0.0018   | mg/l | EPA 200.7 |
| Magnesium  | 15.3     | 5.0    | 0.023    | mg/l | EPA 200.7 |
| Manganese  | 0.0061 J | 0.015  | 0.00020  | mg/l | EPA 200.7 |
| Molybdenum | 0.0024 J | 0.020  | 0.00060  | mg/l | EPA 200.7 |
| Nickel     | 0.0064   | 0.0050 | 0.00060  | mg/l | EPA 200.7 |
| Potassium  | 7.36 J   | 10     | 0.035    | mg/l | EPA 200.7 |
| Sodium     | 109      | 10     | 0.025    | mg/l | EPA 200.7 |
| Strontium  | 0.631    | 0.010  | 0.00020  | mg/l | EPA 200.7 |
| Uranium    | 0.0037   | 0.0010 | 0.000017 | mg/l | EPA 200.8 |
| Vanadium   | 0.0060 J | 0.010  | 0.00060  | mg/l | EPA 200.7 |
| Zinc       | 0.0268   | 0.020  | 0.0031   | mg/l | EPA 200.7 |

**C41963-2 LB-MW2-092215**

|                             |        |      |       |      |                     |
|-----------------------------|--------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate     | 316    | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3  | 316    | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                    | 15.7   | 2.5  | 0.29  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite | 0.14   | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Nitrogen, Total Kjeldahl    | 0.12 J | 0.20 | 0.020 | mg/l | SM4500-NH3 D, E-97  |
| Solids, Total Dissolved     | 499    | 10   | 2.5   | mg/l | SM2540 C-97         |
| Sulfate                     | 75.8   | 2.5  | 0.52  | mg/l | EPA 300/SW846 9056A |

**C41963-2F LB-MW2-092215**

|          |           |       |         |      |           |
|----------|-----------|-------|---------|------|-----------|
| Arsenic  | 0.0417    | 0.010 | 0.0025  | mg/l | EPA 200.7 |
| Barium   | 0.0446 J  | 0.20  | 0.00050 | mg/l | EPA 200.7 |
| Boron    | 0.168     | 0.10  | 0.0032  | mg/l | EPA 200.7 |
| Calcium  | 52.3      | 5.0   | 0.069   | mg/l | EPA 200.7 |
| Chromium | 0.00070 J | 0.010 | 0.00060 | mg/l | EPA 200.7 |

## Summary of Hits

**Job Number:** C41963  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 09/21/15 thru 09/23/15

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

|            |  |           |        |          |      |           |
|------------|--|-----------|--------|----------|------|-----------|
| Copper     |  | 0.0041 J  | 0.010  | 0.0018   | mg/l | EPA 200.7 |
| Magnesium  |  | 15.0      | 5.0    | 0.023    | mg/l | EPA 200.7 |
| Manganese  |  | 0.00030 J | 0.015  | 0.00020  | mg/l | EPA 200.7 |
| Molybdenum |  | 0.0357    | 0.020  | 0.00060  | mg/l | EPA 200.7 |
| Nickel     |  | 0.0010 J  | 0.0050 | 0.00060  | mg/l | EPA 200.7 |
| Potassium  |  | 19.7      | 10     | 0.035    | mg/l | EPA 200.7 |
| Sodium     |  | 94.1      | 10     | 0.025    | mg/l | EPA 200.7 |
| Strontium  |  | 0.627     | 0.010  | 0.00020  | mg/l | EPA 200.7 |
| Uranium    |  | 0.0059    | 0.0010 | 0.000017 | mg/l | EPA 200.8 |
| Vanadium   |  | 0.0089 J  | 0.010  | 0.00060  | mg/l | EPA 200.7 |
| Zinc       |  | 0.0104 J  | 0.020  | 0.0031   | mg/l | EPA 200.7 |

### C41963-3 LB-MW3-092215

|                            |      |     |      |      |                     |
|----------------------------|------|-----|------|------|---------------------|
| Alkalinity, Bicarbonate    | 559  | 5.0 | 5.0  | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3 | 559  | 5.0 | 1.5  | mg/l | SM2320 B-97         |
| Chloride                   | 33.4 | 2.5 | 0.29 | mg/l | EPA 300/SW846 9056A |
| Solids, Total Dissolved    | 1790 | 10  | 2.5  | mg/l | SM2540 C-97         |
| Sulfate                    | 728  | 25  | 5.2  | mg/l | EPA 300/SW846 9056A |

### C41963-3F LB-MW3-092215

|            |           |        |          |      |           |
|------------|-----------|--------|----------|------|-----------|
| Barium     | 0.0458 J  | 0.20   | 0.00050  | mg/l | EPA 200.7 |
| Boron      | 0.319     | 0.10   | 0.0032   | mg/l | EPA 200.7 |
| Cadmium    | 0.00030 J | 0.0020 | 0.00030  | mg/l | EPA 200.7 |
| Calcium    | 252       | 5.0    | 0.069    | mg/l | EPA 200.7 |
| Chromium   | 0.00060 J | 0.010  | 0.00060  | mg/l | EPA 200.7 |
| Cobalt     | 0.0289    | 0.0050 | 0.00040  | mg/l | EPA 200.7 |
| Magnesium  | 120       | 5.0    | 0.023    | mg/l | EPA 200.7 |
| Manganese  | 0.886     | 0.015  | 0.00020  | mg/l | EPA 200.7 |
| Molybdenum | 0.0115 J  | 0.020  | 0.00060  | mg/l | EPA 200.7 |
| Nickel     | 0.0789    | 0.0050 | 0.00060  | mg/l | EPA 200.7 |
| Potassium  | 18.8      | 10     | 0.035    | mg/l | EPA 200.7 |
| Sodium     | 150       | 10     | 0.025    | mg/l | EPA 200.7 |
| Strontium  | 2.02      | 0.010  | 0.00020  | mg/l | EPA 200.7 |
| Uranium    | 0.334     | 0.0010 | 0.000017 | mg/l | EPA 200.8 |
| Zinc       | 0.0055 J  | 0.020  | 0.0031   | mg/l | EPA 200.7 |

### C41963-4 LB-MW3-092215D

|                            |        |      |       |      |                     |
|----------------------------|--------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate    | 581    | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3 | 581    | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                   | 35.4   | 2.5  | 0.29  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Total Kjeldahl   | 0.11 J | 0.20 | 0.020 | mg/l | SM4500-NH3 D, E-97  |
| Solids, Total Dissolved    | 1740   | 10   | 2.5   | mg/l | SM2540 C-97         |

## Summary of Hits

**Job Number:** C41963  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 09/21/15 thru 09/23/15

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

|         |  |     |    |     |      |                     |
|---------|--|-----|----|-----|------|---------------------|
| Sulfate |  | 768 | 25 | 5.2 | mg/l | EPA 300/SW846 9056A |
|---------|--|-----|----|-----|------|---------------------|

**C41963-4F LB-MW3-092215D**

|            |           |        |          |      |           |
|------------|-----------|--------|----------|------|-----------|
| Arsenic    | 0.0029 J  | 0.010  | 0.0025   | mg/l | EPA 200.7 |
| Barium     | 0.0460 J  | 0.20   | 0.00050  | mg/l | EPA 200.7 |
| Boron      | 0.317     | 0.10   | 0.0032   | mg/l | EPA 200.7 |
| Cadmium    | 0.00030 J | 0.0020 | 0.00030  | mg/l | EPA 200.7 |
| Calcium    | 254       | 5.0    | 0.069    | mg/l | EPA 200.7 |
| Cobalt     | 0.0298    | 0.0050 | 0.00040  | mg/l | EPA 200.7 |
| Magnesium  | 120       | 5.0    | 0.023    | mg/l | EPA 200.7 |
| Manganese  | 0.898     | 0.015  | 0.00020  | mg/l | EPA 200.7 |
| Molybdenum | 0.0112 J  | 0.020  | 0.00060  | mg/l | EPA 200.7 |
| Nickel     | 0.0796    | 0.0050 | 0.00060  | mg/l | EPA 200.7 |
| Potassium  | 18.8      | 10     | 0.035    | mg/l | EPA 200.7 |
| Sodium     | 150       | 10     | 0.025    | mg/l | EPA 200.7 |
| Strontium  | 2.02      | 0.010  | 0.00020  | mg/l | EPA 200.7 |
| Uranium    | 0.332     | 0.0010 | 0.000017 | mg/l | EPA 200.8 |
| Zinc       | 0.0066 J  | 0.020  | 0.0031   | mg/l | EPA 200.7 |

**C41963-5 LB-MW4-092315**

|                             |         |      |       |      |                     |
|-----------------------------|---------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate     | 316     | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3  | 316     | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                    | 53.7    | 5.0  | 0.58  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite | 0.058 J | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Nitrogen, Total Kjeldahl    | 0.17 J  | 0.20 | 0.020 | mg/l | SM4500-NH3 D, E-97  |
| Solids, Total Dissolved     | 766     | 10   | 2.5   | mg/l | SM2540 C-97         |
| Sulfate                     | 222     | 10   | 2.1   | mg/l | EPA 300/SW846 9056A |

**C41963-5F LB-MW4-092315**

|            |          |        |         |      |           |
|------------|----------|--------|---------|------|-----------|
| Arsenic    | 0.0076 J | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium     | 0.0904 J | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron      | 0.212    | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Calcium    | 111      | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Cobalt     | 0.0012 J | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper     | 0.0037 J | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium  | 34.7     | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese  | 0.0011 J | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum | 0.0062 J | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel     | 0.0053   | 0.0050 | 0.00060 | mg/l | EPA 200.7 |
| Potassium  | 9.56 J   | 10     | 0.035   | mg/l | EPA 200.7 |
| Sodium     | 99.8     | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium  | 0.828    | 0.010  | 0.00020 | mg/l | EPA 200.7 |

## Summary of Hits

**Job Number:** C41963  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 09/21/15 thru 09/23/15

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

|          |  |          |        |          |      |           |
|----------|--|----------|--------|----------|------|-----------|
| Uranium  |  | 0.0969   | 0.0010 | 0.000017 | mg/l | EPA 200.8 |
| Vanadium |  | 0.0074 J | 0.010  | 0.00060  | mg/l | EPA 200.7 |
| Zinc     |  | 0.0098 J | 0.020  | 0.0031   | mg/l | EPA 200.7 |

### C41963-6 LB-MW5-092315

|                            |  |      |      |       |      |                     |
|----------------------------|--|------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate    |  | 300  | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3 |  | 300  | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                   |  | 104  | 10   | 1.2   | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Total Kjeldahl   |  | 0.23 | 0.20 | 0.020 | mg/l | SM4500-NH3 D, E-97  |
| Solids, Total Dissolved    |  | 475  | 10   | 2.5   | mg/l | SM2540 C-97         |
| Sulfate                    |  | 125  | 5.0  | 1.0   | mg/l | EPA 300/SW846 9056A |

### C41963-6F LB-MW5-092315

|            |  |           |        |          |      |           |
|------------|--|-----------|--------|----------|------|-----------|
| Arsenic    |  | 0.0084 J  | 0.010  | 0.0025   | mg/l | EPA 200.7 |
| Barium     |  | 0.0307 J  | 0.20   | 0.00050  | mg/l | EPA 200.7 |
| Boron      |  | 0.227     | 0.10   | 0.0032   | mg/l | EPA 200.7 |
| Calcium    |  | 70.5      | 5.0    | 0.069    | mg/l | EPA 200.7 |
| Chromium   |  | 0.00070 J | 0.010  | 0.00060  | mg/l | EPA 200.7 |
| Cobalt     |  | 0.0011 J  | 0.0050 | 0.00040  | mg/l | EPA 200.7 |
| Magnesium  |  | 16.7      | 5.0    | 0.023    | mg/l | EPA 200.7 |
| Manganese  |  | 0.887     | 0.015  | 0.00020  | mg/l | EPA 200.7 |
| Molybdenum |  | 0.0107 J  | 0.020  | 0.00060  | mg/l | EPA 200.7 |
| Nickel     |  | 0.0055    | 0.0050 | 0.00060  | mg/l | EPA 200.7 |
| Potassium  |  | 8.05 J    | 10     | 0.035    | mg/l | EPA 200.7 |
| Sodium     |  | 85.2      | 10     | 0.025    | mg/l | EPA 200.7 |
| Strontium  |  | 0.595     | 0.010  | 0.00020  | mg/l | EPA 200.7 |
| Uranium    |  | 0.0125    | 0.0010 | 0.000017 | mg/l | EPA 200.8 |
| Vanadium   |  | 0.00070 J | 0.010  | 0.00060  | mg/l | EPA 200.7 |
| Zinc       |  | 0.0043 J  | 0.020  | 0.0031   | mg/l | EPA 200.7 |

### C41963-7 LB-MW7-092315

|                             |  |         |      |       |      |                     |
|-----------------------------|--|---------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate     |  | 312     | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3  |  | 312     | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                    |  | 56.8    | 5.0  | 0.58  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite |  | 0.11    | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Nitrogen, Total Kjeldahl    |  | 0.039 J | 0.20 | 0.020 | mg/l | SM4500-NH3 D, E-97  |
| Solids, Total Dissolved     |  | 500     | 10   | 2.5   | mg/l | SM2540 C-97         |
| Sulfate                     |  | 69.0    | 5.0  | 1.0   | mg/l | EPA 300/SW846 9056A |

### C41963-7F LB-MW7-092315

|         |  |          |       |        |      |           |
|---------|--|----------|-------|--------|------|-----------|
| Arsenic |  | 0.0073 J | 0.010 | 0.0025 | mg/l | EPA 200.7 |
|---------|--|----------|-------|--------|------|-----------|

## Summary of Hits

**Job Number:** C41963  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 09/21/15 thru 09/23/15

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL        | MDL    | Units    | Method |           |
|---------------|------------------|-----------------|-----------|--------|----------|--------|-----------|
|               |                  | Barium          | 0.0486 J  | 0.20   | 0.00050  | mg/l   | EPA 200.7 |
|               |                  | Boron           | 0.223     | 0.10   | 0.0032   | mg/l   | EPA 200.7 |
|               |                  | Calcium         | 71.0      | 5.0    | 0.069    | mg/l   | EPA 200.7 |
|               |                  | Cobalt          | 0.0011 J  | 0.0050 | 0.00040  | mg/l   | EPA 200.7 |
|               |                  | Copper          | 0.0032 J  | 0.010  | 0.0018   | mg/l   | EPA 200.7 |
|               |                  | Magnesium       | 15.4      | 5.0    | 0.023    | mg/l   | EPA 200.7 |
|               |                  | Manganese       | 0.00060 J | 0.015  | 0.00020  | mg/l   | EPA 200.7 |
|               |                  | Molybdenum      | 0.0057 J  | 0.020  | 0.00060  | mg/l   | EPA 200.7 |
|               |                  | Nickel          | 0.0042 J  | 0.0050 | 0.00060  | mg/l   | EPA 200.7 |
|               |                  | Potassium       | 6.50 J    | 10     | 0.035    | mg/l   | EPA 200.7 |
|               |                  | Sodium          | 90.5      | 10     | 0.025    | mg/l   | EPA 200.7 |
|               |                  | Strontium       | 0.557     | 0.010  | 0.00020  | mg/l   | EPA 200.7 |
|               |                  | Uranium         | 0.0135    | 0.0010 | 0.000017 | mg/l   | EPA 200.8 |
|               |                  | Vanadium        | 0.0099 J  | 0.010  | 0.00060  | mg/l   | EPA 200.7 |
|               |                  | Zinc            | 0.0166 J  | 0.020  | 0.0031   | mg/l   | EPA 200.7 |

**C41963-8 LB-SW1-092115**

|                             |         |      |       |      |                     |
|-----------------------------|---------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate     | 167     | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Carbonate       | 7.8     | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3  | 175     | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                    | 59.9    | 5.0  | 0.58  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite | 0.067 J | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Nitrogen, Total Kjeldahl    | 0.63    | 0.20 | 0.020 | mg/l | SM4500-NH3 D, E-97  |
| Solids, Total Dissolved     | 413     | 10   | 2.5   | mg/l | SM2540 C-97         |
| Sulfate                     | 47.7    | 2.5  | 0.52  | mg/l | EPA 300/SW846 9056A |

**C41963-8F LB-SW1-092115**

|            |           |        |          |      |           |
|------------|-----------|--------|----------|------|-----------|
| Arsenic    | 0.0052 J  | 0.010  | 0.0025   | mg/l | EPA 200.7 |
| Barium     | 0.0975 J  | 0.20   | 0.00050  | mg/l | EPA 200.7 |
| Boron      | 0.221     | 0.10   | 0.0032   | mg/l | EPA 200.7 |
| Calcium    | 55.0      | 5.0    | 0.069    | mg/l | EPA 200.7 |
| Chromium   | 0.00070 J | 0.010  | 0.00060  | mg/l | EPA 200.7 |
| Cobalt     | 0.0018 J  | 0.0050 | 0.00040  | mg/l | EPA 200.7 |
| Copper     | 0.0028 J  | 0.010  | 0.0018   | mg/l | EPA 200.7 |
| Magnesium  | 8.35      | 5.0    | 0.023    | mg/l | EPA 200.7 |
| Manganese  | 0.0019 J  | 0.015  | 0.00020  | mg/l | EPA 200.7 |
| Molybdenum | 0.0068 J  | 0.020  | 0.00060  | mg/l | EPA 200.7 |
| Nickel     | 0.0061    | 0.0050 | 0.00060  | mg/l | EPA 200.7 |
| Potassium  | 14.8      | 10     | 0.035    | mg/l | EPA 200.7 |
| Sodium     | 73.4      | 10     | 0.025    | mg/l | EPA 200.7 |
| Strontium  | 0.343     | 0.010  | 0.00020  | mg/l | EPA 200.7 |
| Uranium    | 0.0022    | 0.0010 | 0.000017 | mg/l | EPA 200.8 |
| Vanadium   | 0.0062 J  | 0.010  | 0.00060  | mg/l | EPA 200.7 |

## Summary of Hits

**Job Number:** C41963  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 09/21/15 thru 09/23/15

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

|      |  |        |       |        |      |           |
|------|--|--------|-------|--------|------|-----------|
| Zinc |  | 0.0357 | 0.020 | 0.0031 | mg/l | EPA 200.7 |
|------|--|--------|-------|--------|------|-----------|

**C41963-9 LB-SW2-092115**

|                             |         |      |       |      |                     |
|-----------------------------|---------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate     | 160     | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Carbonate       | 12.1    | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3  | 172     | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                    | 60.7    | 5.0  | 0.58  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite | 0.064 J | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Nitrogen, Total Kjeldahl    | 0.14 J  | 0.20 | 0.020 | mg/l | SM4500-NH3 D, E-97  |
| Solids, Total Dissolved     | 392     | 10   | 2.5   | mg/l | SM2540 C-97         |
| Sulfate                     | 46.9    | 2.5  | 0.52  | mg/l | EPA 300/SW846 9056A |

**C41963-9F LB-SW2-092115**

|            |           |        |          |      |           |
|------------|-----------|--------|----------|------|-----------|
| Arsenic    | 0.0032 J  | 0.010  | 0.0025   | mg/l | EPA 200.7 |
| Barium     | 0.0963 J  | 0.20   | 0.00050  | mg/l | EPA 200.7 |
| Boron      | 0.203     | 0.10   | 0.0032   | mg/l | EPA 200.7 |
| Calcium    | 55.3      | 5.0    | 0.069    | mg/l | EPA 200.7 |
| Chromium   | 0.00060 J | 0.010  | 0.00060  | mg/l | EPA 200.7 |
| Cobalt     | 0.0019 J  | 0.0050 | 0.00040  | mg/l | EPA 200.7 |
| Copper     | 0.0026 J  | 0.010  | 0.0018   | mg/l | EPA 200.7 |
| Magnesium  | 8.29      | 5.0    | 0.023    | mg/l | EPA 200.7 |
| Manganese  | 0.0022 J  | 0.015  | 0.00020  | mg/l | EPA 200.7 |
| Molybdenum | 0.0062 J  | 0.020  | 0.00060  | mg/l | EPA 200.7 |
| Nickel     | 0.0047 J  | 0.0050 | 0.00060  | mg/l | EPA 200.7 |
| Potassium  | 13.9      | 10     | 0.035    | mg/l | EPA 200.7 |
| Sodium     | 68.3      | 10     | 0.025    | mg/l | EPA 200.7 |
| Strontium  | 0.337     | 0.010  | 0.00020  | mg/l | EPA 200.7 |
| Uranium    | 0.0019    | 0.0010 | 0.000017 | mg/l | EPA 200.8 |
| Vanadium   | 0.0052 J  | 0.010  | 0.00060  | mg/l | EPA 200.7 |
| Zinc       | 0.0230    | 0.020  | 0.0031   | mg/l | EPA 200.7 |

**C41963-10F LB-EB1-092315**

|      |          |       |        |      |           |
|------|----------|-------|--------|------|-----------|
| Zinc | 0.0133 J | 0.020 | 0.0031 | mg/l | EPA 200.7 |
|------|----------|-------|--------|------|-----------|

Sample Results

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Report of Analysis

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## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW1-092215                                        | <b>Date Sampled:</b> 09/22/15  |
| <b>Lab Sample ID:</b> C41963-1                                                | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                     | Result  | RL   | MDL   | Units | DF | Analyzed          | By            | Method  |
|-----------------------------|---------|------|-------|-------|----|-------------------|---------------|---------|
| Alkalinity, Bicarbonate     | 328     | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Alkalinity, Carbonate       | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Alkalinity, Total as CaCO3  | 328     | 5.0  | 1.5   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Chloride                    | 68.1    | 5.0  | 0.58  | mg/l  | 10 | 09/29/15 14:27 RL | EPA 300/SW846 | 9056A   |
| Hydroxide Alkalinity        | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Nitrogen, Nitrate + Nitrite | 0.081 J | 0.10 | 0.041 | mg/l  | 1  | 10/08/15 15:01 RL | SM4500-NO3    | E-00    |
| Nitrogen, Total Kjeldahl    | 0.020 U | 0.20 | 0.020 | mg/l  | 1  | 10/08/15 16:50 RL | SM4500-NH3    | D, E-97 |
| Solids, Total Dissolved     | 577     | 10   | 2.5   | mg/l  | 1  | 09/28/15 09:30 DQ | SM2540        | C-97    |
| Sulfate                     | 60.2    | 5.0  | 1.0   | mg/l  | 10 | 09/29/15 14:27 RL | EPA 300/SW846 | 9056A   |

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW1-092215                                        | <b>Date Sampled:</b> 09/22/15  |
| <b>Lab Sample ID:</b> C41963-1F                                               | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL      | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|----------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Arsenic    | 0.0058 J  | 0.010  | 0.0025   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Barium     | 0.0626 J  | 0.20   | 0.00050  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Boron      | 0.261     | 0.10   | 0.0032   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Cadmium    | 0.00030 U | 0.0020 | 0.00030  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Calcium    | 77.5      | 5.0    | 0.069    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Chromium   | 0.00060 U | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Cobalt     | 0.0017 J  | 0.0050 | 0.00040  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Copper     | 0.0071 J  | 0.010  | 0.0018   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Magnesium  | 15.3      | 5.0    | 0.023    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Manganese  | 0.0061 J  | 0.015  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Molybdenum | 0.0024 J  | 0.020  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Nickel     | 0.0064    | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Potassium  | 7.36 J    | 10     | 0.035    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>4</sup> |
| Sodium     | 109       | 10     | 0.025    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Strontium  | 0.631     | 0.010  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Uranium    | 0.0037    | 0.0010 | 0.000017 | mg/l  | 1  | 10/01/15 | 10/02/15 RS | EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>5</sup> |
| Vanadium   | 0.0060 J  | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Zinc       | 0.0268    | 0.020  | 0.0031   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |

- (1) Instrument QC Batch: MA5254
- (2) Instrument QC Batch: MA5256
- (3) Instrument QC Batch: MA5257
- (4) Prep QC Batch: MP10228
- (5) Prep QC Batch: MP10229

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW2-092215                                        | <b>Date Sampled:</b> 09/22/15  |
| <b>Lab Sample ID:</b> C41963-2                                                | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                                | Result | RL   | MDL   | Units | DF | Analyzed          | By                     | Method  |
|----------------------------------------|--------|------|-------|-------|----|-------------------|------------------------|---------|
| Alkalinity, Bicarbonate                | 316    | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320                 | B-97    |
| Alkalinity, Carbonate                  | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320                 | B-97    |
| Alkalinity, Total as CaCO <sub>3</sub> | 316    | 5.0  | 1.5   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320                 | B-97    |
| Chloride                               | 15.7   | 2.5  | 0.29  | mg/l  | 5  | 09/29/15 14:44 RL | EPA 300/SW846          | 9056A   |
| Hydroxide Alkalinity                   | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320                 | B-97    |
| Nitrogen, Nitrate + Nitrite            | 0.14   | 0.10 | 0.041 | mg/l  | 1  | 10/08/15 15:01 RL | SM4500-NO <sub>3</sub> | E-00    |
| Nitrogen, Total Kjeldahl               | 0.12 J | 0.20 | 0.020 | mg/l  | 1  | 10/08/15 16:50 RL | SM4500-NH <sub>3</sub> | D, E-97 |
| Solids, Total Dissolved                | 499    | 10   | 2.5   | mg/l  | 1  | 09/28/15 09:30 DQ | SM2540                 | C-97    |
| Sulfate                                | 75.8   | 2.5  | 0.52  | mg/l  | 5  | 09/29/15 14:44 RL | EPA 300/SW846          | 9056A   |

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW2-092215                                        | <b>Date Sampled:</b> 09/22/15  |
| <b>Lab Sample ID:</b> C41963-2F                                               | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL      | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|----------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0417    | 0.010  | 0.0025   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0446 J  | 0.20   | 0.00050  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.168     | 0.10   | 0.0032   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 U | 0.0020 | 0.00030  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 52.3      | 5.0    | 0.069    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00070 J | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.00040 U | 0.0050 | 0.00040  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0041 J  | 0.010  | 0.0018   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 15.0      | 5.0    | 0.023    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.00030 J | 0.015  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0357    | 0.020  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0010 J  | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 19.7      | 10     | 0.035    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 94.1      | 10     | 0.025    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 0.627     | 0.010  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.0059    | 0.0010 | 0.000017 | mg/l  | 1  | 10/01/15 | 10/02/15 RS | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.0089 J  | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0104 J  | 0.020  | 0.0031   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |

- (1) Instrument QC Batch: MA5256
- (2) Instrument QC Batch: MA5257
- (3) Prep QC Batch: MP10228
- (4) Prep QC Batch: MP10229

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

35  
3

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-092215                                        | <b>Date Sampled:</b> 09/22/15  |
| <b>Lab Sample ID:</b> C41963-3                                                | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                     | Result  | RL   | MDL   | Units | DF | Analyzed          | By            | Method  |
|-----------------------------|---------|------|-------|-------|----|-------------------|---------------|---------|
| Alkalinity, Bicarbonate     | 559     | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Alkalinity, Carbonate       | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Alkalinity, Total as CaCO3  | 559     | 5.0  | 1.5   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Chloride                    | 33.4    | 2.5  | 0.29  | mg/l  | 5  | 09/29/15 15:02 RL | EPA 300/SW846 | 9056A   |
| Hydroxide Alkalinity        | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Nitrogen, Nitrate + Nitrite | 0.041 U | 0.10 | 0.041 | mg/l  | 1  | 10/08/15 15:01 RL | SM4500-NO3    | E-00    |
| Nitrogen, Total Kjeldahl    | 0.020 U | 0.20 | 0.020 | mg/l  | 1  | 10/08/15 18:30 RL | SM4500-NH3    | D, E-97 |
| Solids, Total Dissolved     | 1790    | 10   | 2.5   | mg/l  | 1  | 09/28/15 09:30 DQ | SM2540        | C-97    |
| Sulfate                     | 728     | 25   | 5.2   | mg/l  | 50 | 09/29/15 16:46 RL | EPA 300/SW846 | 9056A   |

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-092215                                        | <b>Date Sampled:</b> 09/22/15  |
| <b>Lab Sample ID:</b> C41963-3F                                               | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL      | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|----------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0025 U  | 0.010  | 0.0025   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0458 J  | 0.20   | 0.00050  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.319     | 0.10   | 0.0032   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 J | 0.0020 | 0.00030  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 252       | 5.0    | 0.069    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00060 J | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.0289    | 0.0050 | 0.00040  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0018 U  | 0.010  | 0.0018   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 120       | 5.0    | 0.023    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.886     | 0.015  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0115 J  | 0.020  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0789    | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 18.8      | 10     | 0.035    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 150       | 10     | 0.025    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 2.02      | 0.010  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.334     | 0.0010 | 0.000017 | mg/l  | 1  | 10/01/15 | 10/02/15 RS | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.00060 U | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0055 J  | 0.020  | 0.0031   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |

- (1) Instrument QC Batch: MA5256
- (2) Instrument QC Batch: MA5257
- (3) Prep QC Batch: MP10228
- (4) Prep QC Batch: MP10229

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-092215D                                       | <b>Date Sampled:</b> 09/22/15  |
| <b>Lab Sample ID:</b> C41963-4                                                | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                     | Result  | RL   | MDL   | Units | DF | Analyzed          | By            | Method  |
|-----------------------------|---------|------|-------|-------|----|-------------------|---------------|---------|
| Alkalinity, Bicarbonate     | 581     | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Alkalinity, Carbonate       | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Alkalinity, Total as CaCO3  | 581     | 5.0  | 1.5   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Chloride                    | 35.4    | 2.5  | 0.29  | mg/l  | 5  | 09/29/15 15:19 RL | EPA 300/SW846 | 9056A   |
| Hydroxide Alkalinity        | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Nitrogen, Nitrate + Nitrite | 0.041 U | 0.10 | 0.041 | mg/l  | 1  | 10/08/15 15:01 RL | SM4500-NO3    | E-00    |
| Nitrogen, Total Kjeldahl    | 0.11 J  | 0.20 | 0.020 | mg/l  | 1  | 10/08/15 18:30 RL | SM4500-NH3    | D, E-97 |
| Solids, Total Dissolved     | 1740    | 10   | 2.5   | mg/l  | 1  | 09/28/15 09:30 DQ | SM2540        | C-97    |
| Sulfate                     | 768     | 25   | 5.2   | mg/l  | 50 | 09/29/15 17:03 RL | EPA 300/SW846 | 9056A   |

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-092215D                                       | <b>Date Sampled:</b> 09/22/15  |
| <b>Lab Sample ID:</b> C41963-4F                                               | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL      | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|----------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0029 J  | 0.010  | 0.0025   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0460 J  | 0.20   | 0.00050  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.317     | 0.10   | 0.0032   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 J | 0.0020 | 0.00030  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 254       | 5.0    | 0.069    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00060 U | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.0298    | 0.0050 | 0.00040  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0018 U  | 0.010  | 0.0018   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 120       | 5.0    | 0.023    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.898     | 0.015  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0112 J  | 0.020  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0796    | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 18.8      | 10     | 0.035    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 150       | 10     | 0.025    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 2.02      | 0.010  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.332     | 0.0010 | 0.000017 | mg/l  | 1  | 10/01/15 | 10/02/15 RS | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.00060 U | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0066 J  | 0.020  | 0.0031   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |

- (1) Instrument QC Batch: MA5256
- (2) Instrument QC Batch: MA5257
- (3) Prep QC Batch: MP10228
- (4) Prep QC Batch: MP10229

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW4-092315                                        | <b>Date Sampled:</b> 09/23/15  |
| <b>Lab Sample ID:</b> C41963-5                                                | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                     | Result  | RL   | MDL   | Units | DF | Analyzed          | By            | Method  |
|-----------------------------|---------|------|-------|-------|----|-------------------|---------------|---------|
| Alkalinity, Bicarbonate     | 316     | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Alkalinity, Carbonate       | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Alkalinity, Total as CaCO3  | 316     | 5.0  | 1.5   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Chloride                    | 53.7    | 5.0  | 0.58  | mg/l  | 10 | 09/29/15 15:36 RL | EPA 300/SW846 | 9056A   |
| Hydroxide Alkalinity        | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Nitrogen, Nitrate + Nitrite | 0.058 J | 0.10 | 0.041 | mg/l  | 1  | 10/08/15 15:01 RL | SM4500-NO3    | E-00    |
| Nitrogen, Total Kjeldahl    | 0.17 J  | 0.20 | 0.020 | mg/l  | 1  | 10/08/15 18:30 RL | SM4500-NH3    | D, E-97 |
| Solids, Total Dissolved     | 766     | 10   | 2.5   | mg/l  | 1  | 09/28/15 09:30 DQ | SM2540        | C-97    |
| Sulfate                     | 222     | 10   | 2.1   | mg/l  | 20 | 09/29/15 17:21 RL | EPA 300/SW846 | 9056A   |

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW4-092315                                        | <b>Date Sampled:</b> 09/23/15  |
| <b>Lab Sample ID:</b> C41963-5F                                               | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL      | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|----------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0076 J  | 0.010  | 0.0025   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0904 J  | 0.20   | 0.00050  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.212     | 0.10   | 0.0032   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 U | 0.0020 | 0.00030  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 111       | 5.0    | 0.069    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00060 U | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.0012 J  | 0.0050 | 0.00040  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0037 J  | 0.010  | 0.0018   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 34.7      | 5.0    | 0.023    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.0011 J  | 0.015  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0062 J  | 0.020  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0053    | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 9.56 J    | 10     | 0.035    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 99.8      | 10     | 0.025    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 0.828     | 0.010  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.0969    | 0.0010 | 0.000017 | mg/l  | 1  | 10/01/15 | 10/02/15 RS | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.0074 J  | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0098 J  | 0.020  | 0.0031   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |

(1) Instrument QC Batch: MA5256

(2) Instrument QC Batch: MA5257

(3) Prep QC Batch: MP10228

(4) Prep QC Batch: MP10229

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW5-092315                                        | <b>Date Sampled:</b> 09/23/15  |
| <b>Lab Sample ID:</b> C41963-6                                                | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                                | Result  | RL   | MDL   | Units | DF | Analyzed          | By                     | Method  |
|----------------------------------------|---------|------|-------|-------|----|-------------------|------------------------|---------|
| Alkalinity, Bicarbonate                | 300     | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320                 | B-97    |
| Alkalinity, Carbonate                  | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320                 | B-97    |
| Alkalinity, Total as CaCO <sub>3</sub> | 300     | 5.0  | 1.5   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320                 | B-97    |
| Chloride                               | 104     | 10   | 1.2   | mg/l  | 20 | 09/29/15 17:38 RL | EPA 300/SW846          | 9056A   |
| Hydroxide Alkalinity                   | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320                 | B-97    |
| Nitrogen, Nitrate + Nitrite            | 0.041 U | 0.10 | 0.041 | mg/l  | 1  | 10/08/15 15:01 RL | SM4500-NO <sub>3</sub> | E-00    |
| Nitrogen, Total Kjeldahl               | 0.23    | 0.20 | 0.020 | mg/l  | 1  | 10/08/15 18:30 RL | SM4500-NH <sub>3</sub> | D, E-97 |
| Solids, Total Dissolved                | 475     | 10   | 2.5   | mg/l  | 1  | 09/28/15 09:30 DQ | SM2540                 | C-97    |
| Sulfate                                | 125     | 5.0  | 1.0   | mg/l  | 10 | 09/29/15 15:54 RL | EPA 300/SW846          | 9056A   |

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW5-092315                                        | <b>Date Sampled:</b> 09/23/15  |
| <b>Lab Sample ID:</b> C41963-6F                                               | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL      | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|----------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0084 J  | 0.010  | 0.0025   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0307 J  | 0.20   | 0.00050  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.227     | 0.10   | 0.0032   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 U | 0.0020 | 0.00030  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 70.5      | 5.0    | 0.069    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00070 J | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.0011 J  | 0.0050 | 0.00040  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0018 U  | 0.010  | 0.0018   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 16.7      | 5.0    | 0.023    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.887     | 0.015  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0107 J  | 0.020  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0055    | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 8.05 J    | 10     | 0.035    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 85.2      | 10     | 0.025    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 0.595     | 0.010  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.0125    | 0.0010 | 0.000017 | mg/l  | 1  | 10/01/15 | 10/02/15 RS | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.00070 J | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0043 J  | 0.020  | 0.0031   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |

- (1) Instrument QC Batch: MA5256
- (2) Instrument QC Batch: MA5257
- (3) Prep QC Batch: MP10228
- (4) Prep QC Batch: MP10229

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW7-092315                                        | <b>Date Sampled:</b> 09/23/15  |
| <b>Lab Sample ID:</b> C41963-7                                                | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                     | Result  | RL   | MDL   | Units | DF | Analyzed          | By            | Method  |
|-----------------------------|---------|------|-------|-------|----|-------------------|---------------|---------|
| Alkalinity, Bicarbonate     | 312     | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Alkalinity, Carbonate       | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Alkalinity, Total as CaCO3  | 312     | 5.0  | 1.5   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Chloride                    | 56.8    | 5.0  | 0.58  | mg/l  | 10 | 09/29/15 17:55 RL | EPA 300/SW846 | 9056A   |
| Hydroxide Alkalinity        | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 10/02/15 15:45 DQ | SM2320        | B-97    |
| Nitrogen, Nitrate + Nitrite | 0.11    | 0.10 | 0.041 | mg/l  | 1  | 10/08/15 15:01 RL | SM4500-NO3    | E-00    |
| Nitrogen, Total Kjeldahl    | 0.039 J | 0.20 | 0.020 | mg/l  | 1  | 10/08/15 16:50 RL | SM4500-NH3    | D, E-97 |
| Solids, Total Dissolved     | 500     | 10   | 2.5   | mg/l  | 1  | 09/28/15 09:30 DQ | SM2540        | C-97    |
| Sulfate                     | 69.0    | 5.0  | 1.0   | mg/l  | 10 | 09/29/15 17:55 RL | EPA 300/SW846 | 9056A   |

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW7-092315                                        | <b>Date Sampled:</b> 09/23/15  |
| <b>Lab Sample ID:</b> C41963-7F                                               | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL      | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|----------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Arsenic    | 0.0073 J  | 0.010  | 0.0025   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Barium     | 0.0486 J  | 0.20   | 0.00050  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Boron      | 0.223     | 0.10   | 0.0032   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Cadmium    | 0.00030 U | 0.0020 | 0.00030  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Calcium    | 71.0      | 5.0    | 0.069    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Chromium   | 0.00060 U | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Cobalt     | 0.0011 J  | 0.0050 | 0.00040  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Copper     | 0.0032 J  | 0.010  | 0.0018   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Magnesium  | 15.4      | 5.0    | 0.023    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Manganese  | 0.00060 J | 0.015  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Molybdenum | 0.0057 J  | 0.020  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Nickel     | 0.0042 J  | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Potassium  | 6.50 J    | 10     | 0.035    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>4</sup> |
| Sodium     | 90.5      | 10     | 0.025    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Strontium  | 0.557     | 0.010  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Uranium    | 0.0135    | 0.0010 | 0.000017 | mg/l  | 1  | 10/01/15 | 10/02/15 RS | EPA 200.8 <sup>3</sup> | EPA 200.8 <sup>5</sup> |
| Vanadium   | 0.0099 J  | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |
| Zinc       | 0.0166 J  | 0.020  | 0.0031   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>4</sup> |

- (1) Instrument QC Batch: MA5254
- (2) Instrument QC Batch: MA5256
- (3) Instrument QC Batch: MA5257
- (4) Prep QC Batch: MP10228
- (5) Prep QC Batch: MP10229

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW1-092115                                        | <b>Date Sampled:</b> 09/21/15  |
| <b>Lab Sample ID:</b> C41963-8                                                | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## General Chemistry

| Analyte                     | Result  | RL   | MDL   | Units | DF | Analyzed          | By            | Method  |
|-----------------------------|---------|------|-------|-------|----|-------------------|---------------|---------|
| Alkalinity, Bicarbonate     | 167     | 5.0  | 5.0   | mg/l  | 1  | 09/28/15 11:50 DQ | SM2320        | B-97    |
| Alkalinity, Carbonate       | 7.8     | 5.0  | 5.0   | mg/l  | 1  | 09/28/15 11:50 DQ | SM2320        | B-97    |
| Alkalinity, Total as CaCO3  | 175     | 5.0  | 1.5   | mg/l  | 1  | 09/28/15 11:50 DQ | SM2320        | B-97    |
| Chloride                    | 59.9    | 5.0  | 0.58  | mg/l  | 10 | 09/29/15 19:05 RL | EPA 300/SW846 | 9056A   |
| Hydroxide Alkalinity        | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 09/28/15 11:50 DQ | SM2320        | B-97    |
| Nitrogen, Nitrate + Nitrite | 0.067 J | 0.10 | 0.041 | mg/l  | 1  | 10/08/15 15:01 RL | SM4500-NO3    | E-00    |
| Nitrogen, Total Kjeldahl    | 0.63    | 0.20 | 0.020 | mg/l  | 1  | 10/08/15 18:30 RL | SM4500-NH3    | D, E-97 |
| Solids, Total Dissolved     | 413     | 10   | 2.5   | mg/l  | 1  | 09/25/15 15:30 DQ | SM2540        | C-97    |
| Sulfate                     | 47.7    | 2.5  | 0.52  | mg/l  | 5  | 09/29/15 18:47 RL | EPA 300/SW846 | 9056A   |

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW1-092115                                        | <b>Date Sampled:</b> 09/21/15  |
| <b>Lab Sample ID:</b> C41963-8F                                               | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL      | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|----------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0052 J  | 0.010  | 0.0025   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0975 J  | 0.20   | 0.00050  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.221     | 0.10   | 0.0032   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 U | 0.0020 | 0.00030  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 55.0      | 5.0    | 0.069    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00070 J | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.0018 J  | 0.0050 | 0.00040  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0028 J  | 0.010  | 0.0018   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 8.35      | 5.0    | 0.023    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.0019 J  | 0.015  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0068 J  | 0.020  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0061    | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 14.8      | 10     | 0.035    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 73.4      | 10     | 0.025    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 0.343     | 0.010  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.0022    | 0.0010 | 0.000017 | mg/l  | 1  | 10/01/15 | 10/02/15 RS | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.0062 J  | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0357    | 0.020  | 0.0031   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |

- (1) Instrument QC Batch: MA5256
- (2) Instrument QC Batch: MA5257
- (3) Prep QC Batch: MP10228
- (4) Prep QC Batch: MP10229

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW2-092115                                        | <b>Date Sampled:</b> 09/21/15  |
| <b>Lab Sample ID:</b> C41963-9                                                | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                                | Result  | RL   | MDL   | Units | DF | Analyzed          | By                     | Method  |
|----------------------------------------|---------|------|-------|-------|----|-------------------|------------------------|---------|
| Alkalinity, Bicarbonate                | 160     | 5.0  | 5.0   | mg/l  | 1  | 09/28/15 11:50 DQ | SM2320                 | B-97    |
| Alkalinity, Carbonate                  | 12.1    | 5.0  | 5.0   | mg/l  | 1  | 09/28/15 11:50 DQ | SM2320                 | B-97    |
| Alkalinity, Total as CaCO <sub>3</sub> | 172     | 5.0  | 1.5   | mg/l  | 1  | 09/28/15 11:50 DQ | SM2320                 | B-97    |
| Chloride                               | 60.7    | 5.0  | 0.58  | mg/l  | 10 | 09/29/15 20:14 RL | EPA 300/SW846          | 9056A   |
| Hydroxide Alkalinity                   | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 09/28/15 11:50 DQ | SM2320                 | B-97    |
| Nitrogen, Nitrate + Nitrite            | 0.064 J | 0.10 | 0.041 | mg/l  | 1  | 10/08/15 15:01 RL | SM4500-NO <sub>3</sub> | E-00    |
| Nitrogen, Total Kjeldahl               | 0.14 J  | 0.20 | 0.020 | mg/l  | 1  | 10/08/15 18:30 RL | SM4500-NH <sub>3</sub> | D, E-97 |
| Solids, Total Dissolved                | 392     | 10   | 2.5   | mg/l  | 1  | 09/25/15 15:30 DQ | SM2540                 | C-97    |
| Sulfate                                | 46.9    | 2.5  | 0.52  | mg/l  | 5  | 09/29/15 19:22 RL | EPA 300/SW846          | 9056A   |

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW2-092115                                        | <b>Date Sampled:</b> 09/21/15  |
| <b>Lab Sample ID:</b> C41963-9F                                               | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL      | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|----------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0032 J  | 0.010  | 0.0025   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0963 J  | 0.20   | 0.00050  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.203     | 0.10   | 0.0032   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 U | 0.0020 | 0.00030  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 55.3      | 5.0    | 0.069    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00060 J | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.0019 J  | 0.0050 | 0.00040  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0026 J  | 0.010  | 0.0018   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 8.29      | 5.0    | 0.023    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.0022 J  | 0.015  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0062 J  | 0.020  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0047 J  | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 13.9      | 10     | 0.035    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 68.3      | 10     | 0.025    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 0.337     | 0.010  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.0019    | 0.0010 | 0.000017 | mg/l  | 1  | 10/01/15 | 10/02/15 RS | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.0052 J  | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0230    | 0.020  | 0.0031   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |

- (1) Instrument QC Batch: MA5256
- (2) Instrument QC Batch: MA5257
- (3) Prep QC Batch: MP10228
- (4) Prep QC Batch: MP10229

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-EB1-092315                                        | <b>Date Sampled:</b> 09/23/15  |
| <b>Lab Sample ID:</b> C41963-10F                                              | <b>Date Received:</b> 09/25/15 |
| <b>Matrix:</b> AQ - Equip Blank Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result     | RL     | MDL      | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|------------|--------|----------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U    | 0.20   | 0.027    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U   | 0.0060 | 0.0012   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0025 U   | 0.010  | 0.0025   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.00050 U  | 0.20   | 0.00050  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U  | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.0032 U   | 0.10   | 0.0032   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 U  | 0.0020 | 0.00030  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 0.069 U    | 5.0    | 0.069    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00060 U  | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.00040 U  | 0.0050 | 0.00040  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0018 U   | 0.010  | 0.0018   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 0.023 U    | 5.0    | 0.023    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.00020 U  | 0.015  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.00060 U  | 0.020  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.00060 U  | 0.0050 | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 0.035 U    | 10     | 0.035    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U   | 0.0050 | 0.0015   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 0.025 U    | 10     | 0.025    | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 0.00020 U  | 0.010  | 0.00020  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U   | 0.010  | 0.0048   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.000017 U | 0.0010 | 0.000017 | mg/l  | 1  | 10/01/15 | 10/02/15 RS | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.00060 U  | 0.010  | 0.00060  | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0133 J   | 0.020  | 0.0031   | mg/l  | 1  | 10/01/15 | 10/01/15 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |

- (1) Instrument QC Batch: MA5256
- (2) Instrument QC Batch: MA5257
- (3) Prep QC Batch: MP10228
- (4) Prep QC Batch: MP10229

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody



PHOENIX

CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131  
(408) 588-0200 FAX: (408) 588-0201

ACCUTEST  
LABORATORIES

FEDEX Tracking # **781389716315** Bottle Order Control #  
 Accutest Quote # **C41963** Accutest NC # **606 E0**

| Client / Reporting Information                           |                                               | Project Information                                        |      | Requested Analysis                                                |        | Matrix Codes                                                                                                                                        |  |
|----------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------|------|-------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Company Name: <b>Weston Solutions</b>                    |                                               | Project Name: <b>La Bajada GW Sampling</b>                 |      | Requested Analysis:                                               |        | Matrix Codes:                                                                                                                                       |  |
| Address: <b>960 West Elliot Road #101</b>                |                                               | Street: <b>Santo Domingo Pueblo</b>                        |      | Total Dissolved Solids<br>by EPA 8230-C                           |        | YW-Water<br>GW-Ground Water<br>SW-Surface Water<br>SO-Soil<br>GI-GI<br>WW-Wipe<br>LH-Non-Aqueous Liquid<br>AIR<br>DW-Drinking Water (Purified Only) |  |
| City: <b>Tempe AZ</b> State: <b>AZ</b> Zip: <b>85284</b> |                                               | City: <b>Santo Domingo Pueblo</b> State: <b>New Mexico</b> |      | Combined Ra-226 & Ra-228<br>by EPA 9031/04                        |        |                                                                                                                                                     |  |
| Project Contact: <b>Barb Wethington</b>                  |                                               | Project # <b>12767.201.001.0020</b>                        |      | Total Alkalinity/Carbonate/<br>Bicarbonate/Hydroxide<br>SM 2528-B |        |                                                                                                                                                     |  |
| Phone # <b>480-477-4911</b>                              |                                               | EMAIL: <b>b.wethington@westonsolutions.com</b>             |      | Chloride/Sulfate by EPA<br>8230-D                                 |        |                                                                                                                                                     |  |
| Sampler's Name: <b>D. Kenyon / G. Roussos</b>            |                                               | Client Purchase Order #                                    |      | Nitrate + Nitrite / TRM<br>SM 4500                                |        |                                                                                                                                                     |  |
| Accutest Sample ID                                       |                                               | Collection                                                 |      | Number of preserved Bottles                                       |        | LAB USE ONLY                                                                                                                                        |  |
| Sample ID                                                | Sample ID / Field Point / Point of Collection | Date                                                       | Time | Sampled by                                                        | Matrix | # of bottles                                                                                                                                        |  |
| 1                                                        | LB-MW1-092215                                 | 09/22/15                                                   | 1030 | DK                                                                | GW     | 6                                                                                                                                                   |  |
| 2                                                        | LB-MW2-092215                                 | 09/22/15                                                   | 1205 | DK                                                                | GW     | 6                                                                                                                                                   |  |

EPA 200.7  
 Dissolved Metals by EPA 200.8  
 Combined Ra-226 & Ra-228  
 by EPA 9031/04  
 Total Dissolved Solids  
 by SM 2540-C  
 Total Alkalinity/Carbonate/  
 Bicarbonate/Hydroxide  
 SM 2528-B  
 Chloride/Sulfate by EPA  
 8230-D  
 Nitrate + Nitrite / TRM  
 SM 4500

|                                                                                                                                                                                                                         |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Turnaround Time (Business days)                                                                                                                                                                                         | Approved By / Date: | Data Deliverable Information                                                                                                                                                                                                                                                                                                                                                                                                           | Comments / Remarks                                                                                                                                              |
| <input checked="" type="checkbox"/> 10 Day<br><input type="checkbox"/> 8 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |                     | <input type="checkbox"/> Commercial "A" - Results only<br><input checked="" type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B+" - Results, QC, and chromatograms<br><input type="checkbox"/> FULL1 - Level 4 data package<br><input type="checkbox"/> EDF for Geotracker: <input type="checkbox"/> EDF Format _____<br>Provide EDF Global ID: _____<br>Provide EDF Logcode: _____ | Metals consist of Al, Sb, Ar, Ba, Be, Bi, Cd, Ca, Cr, Co, Cu, Hg, Mn, Mo, Ni, K, Ag, Na, S, Th, V, U, Zn. Metals Field Filtration - Report as dissolved metals. |

Emergency T/A data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery.

|                          |               |                 |                  |                                |                                         |
|--------------------------|---------------|-----------------|------------------|--------------------------------|-----------------------------------------|
| Relinquished by Sampler: | Date/Time:    | Received By:    | Relinquished By: | Date/Time:                     | Received By:                            |
| 1 <b>Debbie Key</b>      | 09/24/15 0800 | 1 <b>Fed-Ex</b> | 2 <b>Fedex</b>   | 9/25/15 9:45                   | 2 <b>Ali</b>                            |
| Relinquished by:         | Date/Time:    | Received By:    | Relinquished By: | Date/Time:                     | Received By:                            |
| 3                        |               | 3               | 4                |                                | 4                                       |
| Relinquished by:         | Date/Time:    | Received By:    | Custody Sign #   | Appropriate Bottle / Pres. Y/N | Headspace Y/N                           |
| 5                        |               | 5               | Intact           | Labels match Coc? Y/N          | Separate Receiving Check List used: Y/N |

1.9 / 2.6 / 3.1 / 2.5 / 1.6 / 3.1

4.1  
4

C41963: Chain of Custody

Page 1 of 8



CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131  
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking # 8076 0436 0193  
Accutest Quote #  
Bottle Order Control #  
Accutest NC Job #: C41963

|                                                                                                                                                                                                                         |                                               |                                                                                                          |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                             |            |              |                  |            |              |                                                                                                                                                                                             |            |                                                                                                                                                                                                                                                               |                  |            |              |                                                                                                                                                                |            |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------|------------|--------------|------------------|------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---|
| Client / Reporting Information                                                                                                                                                                                          |                                               | Project Information                                                                                      |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                             |            |              |                  |            |              |                                                                                                                                                                                             |            | Requested Analysis                                                                                                                                                                                                                                            |                  |            |              | Matrix Codes                                                                                                                                                   |            |   |
| Company Name<br>Weston Solutions                                                                                                                                                                                        |                                               | Project Name<br>La Bajada CW Sampling                                                                    |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                             |            |              |                  |            |              |                                                                                                                                                                                             |            | Dissolved Metals by EPA 200.7-5 200.8<br>Combined Pa-226 & Ra-228 by EPA 905.1-04<br>Total Dissolved Solids by SM 2540 C<br>Total Alkalinity/Carbonate/Bicarbonate Hydroxide Sulfide by EPA Chloride / Sulfate by EPA 300.0<br>Nitrate + Nitrite /TKN SM 4500 |                  |            |              | WW Wastewater<br>GW Ground Water<br>SW Surface Water<br>SO Soil<br>DI-DI<br>WP Wipe<br>LIQ - Non-aqueous Liquid<br>AIR<br>BW Drinking Water (Perchlorate Only) |            |   |
| Address<br>960 West Elliot Road #101<br>City: Tempe State: AZ Zip: 85284                                                                                                                                                |                                               | Street: Santo Domingo Pueblo City: New Mexico State:                                                     |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                             |            |              |                  |            |              |                                                                                                                                                                                             |            |                                                                                                                                                                                                                                                               |                  |            |              | LAB USE ONLY                                                                                                                                                   |            |   |
| Project Contact: Barb Wethington Phone: 480-477-4911 Samples Name: D. Kenyon / G. Roussos                                                                                                                               |                                               | Project #: 12767.201.001.0020 EMAIL: b.wethington@westonsolutions.com Client Purchase Order #:           |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                             |            |              |                  |            |              |                                                                                                                                                                                             |            |                                                                                                                                                                                                                                                               |                  |            |              |                                                                                                                                                                |            |   |
| Accutest Sample ID                                                                                                                                                                                                      | Sample ID / Field Point / Point of Collection | Collection                                                                                               |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                   |              | Number of preserved Bottles |            |              |                  |            |              |                                                                                                                                                                                             |            | <input checked="" type="checkbox"/> X<br><input checked="" type="checkbox"/> X<br><input checked="" type="checkbox"/> X<br><input checked="" type="checkbox"/> X<br><input checked="" type="checkbox"/> X<br><input checked="" type="checkbox"/> X            |                  |            |              |                                                                                                                                                                |            |   |
|                                                                                                                                                                                                                         |                                               | Date                                                                                                     | Time             | Sampled by                                                                                                                                                                                                                                                                                                                                                                                                                        | Matrix       | # of bottles                | 1          | 2            | 3                | 4          | 5            | 6                                                                                                                                                                                           | 7          |                                                                                                                                                                                                                                                               |                  |            |              |                                                                                                                                                                |            | 8 |
| 3                                                                                                                                                                                                                       | LB-MW3-092215                                 | 9/22/15                                                                                                  | 1348             | DK                                                                                                                                                                                                                                                                                                                                                                                                                                | GW           | 6                           |            | 3            | 2                | 1          |              |                                                                                                                                                                                             |            |                                                                                                                                                                                                                                                               |                  |            |              |                                                                                                                                                                |            |   |
| 4                                                                                                                                                                                                                       | LB-MW3-092215D                                | 9/22/15                                                                                                  | 1350             | DK                                                                                                                                                                                                                                                                                                                                                                                                                                | GW           | 6                           |            | 3            | 2                | 1          |              |                                                                                                                                                                                             |            |                                                                                                                                                                                                                                                               |                  |            |              |                                                                                                                                                                |            |   |
| Turnaround Time (business days)                                                                                                                                                                                         |                                               | Data Deliverable Information                                                                             |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                             |            |              |                  |            |              |                                                                                                                                                                                             |            | Comments / Remarks                                                                                                                                                                                                                                            |                  |            |              |                                                                                                                                                                |            |   |
| <input checked="" type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |                                               | Approved By / Date:                                                                                      |                  | <input type="checkbox"/> Commercial "A" - Results only<br><input checked="" type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B+" - Results, QC, and chromatograms<br><input type="checkbox"/> FULT1 - Level 4 data package<br><input type="checkbox"/> EDF for Geosites for <input type="checkbox"/> EDD Faunal<br>Provide EDF Global ID: _____<br>Provide EDF Logcode: _____ |              |                             |            |              |                  |            |              | Metals consist of Al, Sb, Ar, Ba, Be, Bi, Cd, Ca, Cr, Co, Cu, Hg, Mn, Mo, Ni, K, Ag, Na, St, Th, V, U, Zn - Metals field filtered.<br>Report as dissolved metals. Check proposal for metals |            |                                                                                                                                                                                                                                                               |                  |            |              |                                                                                                                                                                |            |   |
| Emergency T/A data available VIA Lablink                                                                                                                                                                                |                                               | Sample Custody must be documented below each time samples change possession, including courier delivery. |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                             |            |              |                  |            |              |                                                                                                                                                                                             |            |                                                                                                                                                                                                                                                               |                  |            |              |                                                                                                                                                                |            |   |
| Relinquished by:                                                                                                                                                                                                        | Date Time:                                    | Received By:                                                                                             | Relinquished By: | Date Time:                                                                                                                                                                                                                                                                                                                                                                                                                        | Received By: | Relinquished By:            | Date Time: | Received By: | Relinquished By: | Date Time: | Received By: | Relinquished By:                                                                                                                                                                            | Date Time: | Received By:                                                                                                                                                                                                                                                  | Relinquished By: | Date Time: | Received By: | Relinquished By:                                                                                                                                               | Date Time: |   |
| 1 Debbie Ky                                                                                                                                                                                                             | 9/24/15 0800                                  | 1 Fed-Ex                                                                                                 | 2 Fedex          | 9/25/15 0945                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 A/i        |                             |            |              |                  |            |              |                                                                                                                                                                                             |            |                                                                                                                                                                                                                                                               |                  |            |              |                                                                                                                                                                |            |   |
| 3                                                                                                                                                                                                                       |                                               | 3                                                                                                        | 4                |                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4            |                             |            |              |                  |            |              |                                                                                                                                                                                             |            |                                                                                                                                                                                                                                                               |                  |            |              |                                                                                                                                                                |            |   |
| 5                                                                                                                                                                                                                       |                                               | 5                                                                                                        | Intact           |                                                                                                                                                                                                                                                                                                                                                                                                                                   |              |                             |            |              |                  |            |              |                                                                                                                                                                                             |            |                                                                                                                                                                                                                                                               |                  |            |              |                                                                                                                                                                |            |   |



| Client / Reporting Information           |                                               | Project Information                        |       |            |        |              |   |                             |   |   |   |   |   | Requested Analysis                                                                                                                                                                                                                                                |   |    |    |    |   |   |   | Matrix Codes       |   |  |  |
|------------------------------------------|-----------------------------------------------|--------------------------------------------|-------|------------|--------|--------------|---|-----------------------------|---|---|---|---|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----|----|----|---|---|---|--------------------|---|--|--|
| Company Name<br>Weston Solutions         |                                               | Project Name: La Bajada GW Sampling        |       |            |        |              |   |                             |   |   |   |   |   | Dissolved Metals by EPA 200.7-200.9<br>Combined Pa-Zn-Pb-Cd by EPA 153.104<br>Total Dissolved Solids by SM 2040C<br>Total Alkalinity / Carbonate / Bicarbonate / Hydroxide SM 2220B<br>Total Hardness / Sulfate by EPA 300.0<br>Nitrate + Nitrite / TN by SM 4500 |   |    |    |    |   |   |   | WW - Wastewater    |   |  |  |
| Address<br>960 West Elliot Road #101     |                                               | Street<br>Santo Domingo Pueblo             |       |            |        |              |   |                             |   |   |   |   |   |                                                                                                                                                                                                                                                                   |   |    |    |    |   |   |   | GW - Ground Water  |   |  |  |
| City State Zip<br>Tucson AZ 85284        |                                               | City State<br>New Mexico                   |       |            |        |              |   |                             |   |   |   |   |   |                                                                                                                                                                                                                                                                   |   |    |    |    |   |   |   | SW - Surface Water |   |  |  |
| Project Contact:<br>Barb Wethington      |                                               | Project #<br>12767.201.001.0020            |       |            |        |              |   |                             |   |   |   |   |   | SO - Soil<br>DI-GI<br>WP - Wipe<br>LIQ - Nonaqueous Liquid<br>AIR<br>DW - Drinking Water (Pb+Cu+Fe only)                                                                                                                                                          |   |    |    |    |   |   |   | LAB USE ONLY       |   |  |  |
| Phone #<br>480-477-4911                  |                                               | EMAIL:<br>b.wethington@westonsolutions.com |       |            |        |              |   |                             |   |   |   |   |   |                                                                                                                                                                                                                                                                   |   |    |    |    |   |   |   |                    |   |  |  |
| Sampler's Name<br>D. Kinyon / G. Roussos |                                               | Client Purchase Order #                    |       |            |        |              |   |                             |   |   |   |   |   |                                                                                                                                                                                                                                                                   |   |    |    |    |   |   |   |                    |   |  |  |
| Accutest Sample ID                       | Sample ID / Field Point / Point of Collection | Collection                                 |       |            |        |              |   | Number of preserved Bottles |   |   |   |   |   |                                                                                                                                                                                                                                                                   |   |    |    |    |   |   |   |                    |   |  |  |
|                                          |                                               | Date                                       | Time  | Sampled by | Matrix | # of bottles | Q | W                           | M | U | V | W | X | Y                                                                                                                                                                                                                                                                 | Z | AA | BB | CC |   |   |   |                    |   |  |  |
| 5                                        | LB-MW4-092815                                 | 9/23/15                                    | 11:55 | DL         | GW     | 6            |   | 3                           | 2 | 1 |   |   |   |                                                                                                                                                                                                                                                                   |   |    |    | X  | X | X | X | X                  | X |  |  |
| 6                                        | LB-MW5-092315                                 | 9/23/15                                    | 13:45 | RAL        | GW     | 6            |   | 3                           | 2 | 1 |   |   |   |                                                                                                                                                                                                                                                                   |   |    |    | X  | X | X | X | X                  | X |  |  |

|                                                                                                                                                                                                                         |                     |                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Turnaround Time (Business days)                                                                                                                                                                                         | Approved by / Date: | Data Deliverable Information                                                                                                                                                                                                                                                                                                                                                                                                   | Comments / Remarks                                                                                                                                              |
| <input checked="" type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |                     | <input type="checkbox"/> Commercial "A" - Results only<br><input checked="" type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B+" - Results, QC, and chromatograms<br><input type="checkbox"/> FULL1 - Level 4 data package<br><input type="checkbox"/> EDF for GasTracker <input type="checkbox"/> EDF Format<br>Provide EDF Global ID _____<br>Provide EDF Legcode: _____ | Metals consist of Al, Sb, Ar, Ba, Be, Bi, Cd, Ca, Cr, Co, Cu, Hg, Mn, Mo, Ni, K, Ag, Na, St, Th, V, U, Zn. Metals field filtered.<br>Report as dissolved metals |

| Sample Custody must be documented below each time samples change possession, including courier delivery |              |              |                  |              |              |                  |            |
|---------------------------------------------------------------------------------------------------------|--------------|--------------|------------------|--------------|--------------|------------------|------------|
| Relinquished by Sampler:                                                                                | Date Time:   | Received By: | Relinquished By: | Date Time:   | Received By: | Relinquished By: | Date Time: |
| 1 Debbie Kinyon                                                                                         | 9/24/15 0800 | 1 Fed-Ex     | 2 Fed-Ex         | 9/25/15 0945 | 2 Ali        |                  |            |
| Relinquished by:                                                                                        | Date Time:   | Received By: | Relinquished By: | Date Time:   | Received By: | Relinquished By: | Date Time: |
| 3                                                                                                       |              | 3            | 4 Intact         |              |              |                  |            |
| Relinquished by:                                                                                        | Date Time:   | Received By: | Relinquished By: | Date Time:   | Received By: | Relinquished By: | Date Time: |
| 5                                                                                                       |              | 5            |                  |              |              |                  |            |

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**PHOENIX** CHAIN OF CUSTODY  
**ACCUTEST** LABORATORIES  
 2105 Lundy Ave, San Jose, CA 95131  
 (408) 588-0200 FAX: (408) 588-0201

FED EX # 7813 8934 6359  
 Accutest Quote #  
 Requested Analysis  
 Matrix Codes  
 Accutest NC Job #: C41963

|                                                                                                                                                                                                                         |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                                                                                                                                                                        |                                           |                  |                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------|-----------------------------|
| Client / Reporting Information                                                                                                                                                                                          |                                               | Project Information                                                                                                                                                                                                                                                                                                                                                                                                                       |                  | Requested Analysis                                                                                                                                                     |                                           | Matrix Codes     |                             |
| Company Name<br>Weston Solutions Inc                                                                                                                                                                                    |                                               | Project Name<br>La Bajada Gw Sampling                                                                                                                                                                                                                                                                                                                                                                                                     |                  | Requested Analysis                                                                                                                                                     |                                           | Matrix Codes     |                             |
| Address<br>960 West Elliot Road #101                                                                                                                                                                                    |                                               | Street<br>Santo Domingo Pueblo                                                                                                                                                                                                                                                                                                                                                                                                            |                  | Requested Analysis                                                                                                                                                     |                                           | Matrix Codes     |                             |
| City State Zip<br>Tempe AZ 85284                                                                                                                                                                                        |                                               | City State<br>New Mexico                                                                                                                                                                                                                                                                                                                                                                                                                  |                  | Requested Analysis                                                                                                                                                     |                                           | Matrix Codes     |                             |
| Project Contact<br>Barb Wethington                                                                                                                                                                                      |                                               | Project #<br>12767.201.001.0020                                                                                                                                                                                                                                                                                                                                                                                                           |                  | Requested Analysis                                                                                                                                                     |                                           | Matrix Codes     |                             |
| Phone #<br>480-477-4911                                                                                                                                                                                                 |                                               | EMAIL:<br>b.wethington@westonsolutions.com                                                                                                                                                                                                                                                                                                                                                                                                |                  | Requested Analysis                                                                                                                                                     |                                           | Matrix Codes     |                             |
| Sampler's Name<br>D. Kenyon / G. Roussos                                                                                                                                                                                |                                               | Client Purchase Order #                                                                                                                                                                                                                                                                                                                                                                                                                   |                  | Requested Analysis                                                                                                                                                     |                                           | Matrix Codes     |                             |
| Accutest Sample ID                                                                                                                                                                                                      | Sample ID / Field Point / Point of Collection | Date                                                                                                                                                                                                                                                                                                                                                                                                                                      | Time             | Sampled by                                                                                                                                                             | Matrix                                    | # of bottles     | Number of preserved Bottles |
| 7                                                                                                                                                                                                                       | LB-MW7-092315                                 | 9/23/15                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1055             | DK                                                                                                                                                                     | GW                                        | 12               | 6 4 2                       |
| Turnaround Time (Business days)                                                                                                                                                                                         |                                               | Data Deliverable Information                                                                                                                                                                                                                                                                                                                                                                                                              |                  | Comments / Remarks                                                                                                                                                     |                                           |                  |                             |
| <input checked="" type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |                                               | Approved By / Date:<br><input type="checkbox"/> Commercial "A" - Results only<br><input checked="" type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "H" - Results, QC, and chromatograms<br><input type="checkbox"/> FULLT - Level 4 data package<br><input type="checkbox"/> EDF for Geotracker <input type="checkbox"/> EDD Permit<br>Provide EDF Global ID:<br>Provide EDF Logcode: |                  | Metals consist of Al, Sb, Ar, Ba, Be, Bi, Bo, Cd, Ca, Cr, Co, Cu, Mg, Mn, Mo, Ni, K, Ag, Na, St, Th, V, W, Zn. Metals field filtered<br><br>Report as dissolved metals |                                           |                  |                             |
| Emergency TIA data available VIA Lablink                                                                                                                                                                                |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                                                                                                                                                                        |                                           |                  |                             |
| Sample Custody must be documented below each time samples change possession, including courier delivery.                                                                                                                |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                           |                  |                                                                                                                                                                        |                                           |                  |                             |
| Relinquished by Sample:                                                                                                                                                                                                 | Date Time:                                    | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                              | Relinquished by: | Date Time:                                                                                                                                                             | Received By:                              | Relinquished by: | Date Time:                  |
| 1 Debbie Kenyon                                                                                                                                                                                                         | 9/24/15 0800                                  | 1 Fed-EX                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2 Fed-EX         | 9/25/15 09:45                                                                                                                                                          | 2 ALW                                     |                  |                             |
| Relinquished by:                                                                                                                                                                                                        | Date Time:                                    | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                              | Relinquished by: | Date Time:                                                                                                                                                             | Received By:                              | Relinquished by: | Date Time:                  |
| 3                                                                                                                                                                                                                       |                                               | 3                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4                |                                                                                                                                                                        |                                           |                  |                             |
| Relinquished by:                                                                                                                                                                                                        | Date Time:                                    | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                              | Custody Seal #   | Appropriate Bottle / Pres. Y/N                                                                                                                                         | Headspace Y/N                             | Onsite Y/N       | Cooler Temp.                |
| 5                                                                                                                                                                                                                       |                                               | 5                                                                                                                                                                                                                                                                                                                                                                                                                                         | Intact           | Labels match CoC Y / N                                                                                                                                                 | Separate Receiving Check List used: Y / N |                  |                             |

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EDX Trace # 181788934 6326  
 Accutest Quote #  
 Bottle Order Control #  
 Accutest NC Job #: C **C41963**

| Client / Reporting Information                                                                                                                                                                                          |  | Project Information                        |  | Requested Analyses                                                                                                                                                                                                                                                                                                                                                                                                             |        |                  |   |              |     |              |     |                  |      | Matrix Codes                                                                                                                                                                       |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------|---|--------------|-----|--------------|-----|------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| Company Name<br>Weston Solutions, Inc.                                                                                                                                                                                  |  | Project Name<br>La Bajada GW Sampling      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                  |   |              |     |              |     |                  |      | WW Wastewater<br>GW Ground Water<br>SW Surface Water<br>SO Soil<br>OXI Oxid<br>WP Waste<br>LID - Inorganic Lipid<br>AIR<br>DW Drinking Water (Plastic Bottle Only)<br>LAB USE ONLY |   |
| Address<br>960 West Elliot Road #101                                                                                                                                                                                    |  | Street<br>Santo Domingo Pueblo             |  |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                  |   |              |     |              |     |                  |      |                                                                                                                                                                                    |   |
| City State Zip<br>Tempe AZ 85284                                                                                                                                                                                        |  | City State<br>New Mexico                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                  |   |              |     |              |     |                  |      |                                                                                                                                                                                    |   |
| Project Contact<br>Barb Wehrington                                                                                                                                                                                      |  | Project #<br>12787.201.001.0020            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                  |   |              |     |              |     |                  |      |                                                                                                                                                                                    |   |
| Phone #<br>480-477-4911                                                                                                                                                                                                 |  | EMAIL:<br>b.wehrington@westonsolutions.com |  |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                  |   |              |     |              |     |                  |      |                                                                                                                                                                                    |   |
| Sampler's Name<br>D. Kenyon / G. Roussos                                                                                                                                                                                |  | Client Purchase Order #                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                  |   |              |     |              |     |                  |      |                                                                                                                                                                                    |   |
| Accutest Sample ID                                                                                                                                                                                                      |  | Collection                                 |  | Number of preserved Bottles                                                                                                                                                                                                                                                                                                                                                                                                    |        |                  |   |              |     |              |     |                  |      |                                                                                                                                                                                    |   |
| Sample ID / Field Point / Point of Collection                                                                                                                                                                           |  | Date Time                                  |  | Sampled by                                                                                                                                                                                                                                                                                                                                                                                                                     | Matrix | # of bottles     | V | N            | NEQ | POS          | TMC | HUMID            | REGR | INCL                                                                                                                                                                               |   |
| 8 LB-SW1-092115                                                                                                                                                                                                         |  | 9/21/15 1540                               |  | DK                                                                                                                                                                                                                                                                                                                                                                                                                             | GW     | 6                |   |              | 3   | 2            | 1   |                  |      |                                                                                                                                                                                    | X |
| 9 LB-SW2-092175                                                                                                                                                                                                         |  | 9/21/15 1510                               |  | DK                                                                                                                                                                                                                                                                                                                                                                                                                             | GW     | 6                |   |              | 3   | 2            | 1   |                  |      |                                                                                                                                                                                    | X |
| Turnaround Time (Business days)                                                                                                                                                                                         |  | Approved By / Date:                        |  | Data Deliverable Information                                                                                                                                                                                                                                                                                                                                                                                                   |        |                  |   |              |     |              |     |                  |      | Comments / Remarks                                                                                                                                                                 |   |
| <input checked="" type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |  |                                            |  | <input type="checkbox"/> Commercial "A" - Results only<br><input checked="" type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B+" - Results, QC, and chromatograms<br><input type="checkbox"/> FULL1 - Level 4 data package<br><input type="checkbox"/> EDF for Glotzcheck <input type="checkbox"/> EDF Format<br>Provide EDF Global ID _____<br>Provide EDF Logcode: _____ |        |                  |   |              |     |              |     |                  |      | Metals consist of Al, Sb, Ar, Ba, Be, Bi, Cd, Ca,<br>Cr, Co, Cu, Mg, Mn, Mo, Ni, K, Ag, Na, St, Th,<br>V, U, Zn. Metals field filtered.<br>Report as dissolved metals              |   |
| Emergency TIA data available VIA Lablink                                                                                                                                                                                |  |                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                  |   |              |     |              |     |                  |      |                                                                                                                                                                                    |   |
| Sample Custody must be documented below each time samples change possession, including courier delivery.                                                                                                                |  |                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                  |   |              |     |              |     |                  |      |                                                                                                                                                                                    |   |
| Relinquished by Sampler:                                                                                                                                                                                                |  | Date/Time:                                 |  | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                   |        | Relinquished By: |   | Date/Time:   |     | Received By: |     | Relinquished By: |      | Date/Time:                                                                                                                                                                         |   |
| 1 Debbie Ky                                                                                                                                                                                                             |  | 9/24/15 0800                               |  | 1 Fed-Ex                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 2 Fedex          |   | 9/25/15 0945 |     | 2 A1;        |     | A2               |      |                                                                                                                                                                                    |   |
| Relinquished by:                                                                                                                                                                                                        |  | Date/Time:                                 |  | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                   |        | Relinquished By: |   | Date/Time:   |     | Received By: |     | Relinquished By: |      | Date/Time:                                                                                                                                                                         |   |
| 3                                                                                                                                                                                                                       |  |                                            |  | 3                                                                                                                                                                                                                                                                                                                                                                                                                              |        | 4                |   |              |     | 4            |     |                  |      |                                                                                                                                                                                    |   |
| Relinquished by:                                                                                                                                                                                                        |  | Date/Time:                                 |  | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                   |        | Relinquished By: |   | Date/Time:   |     | Received By: |     | Relinquished By: |      | Date/Time:                                                                                                                                                                         |   |
| 5                                                                                                                                                                                                                       |  |                                            |  | 5                                                                                                                                                                                                                                                                                                                                                                                                                              |        | Intact           |   |              |     | 4            |     |                  |      |                                                                                                                                                                                    |   |
| Custody Seal: <input type="checkbox"/> Appropriate Color / Pres. Y/N    Headspace Y/N    On Ice Y/N    Cooler Temp. _____<br>Labels match Coc? Y / N    Separate Receiving Check List used: Y / N                       |  |                                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                  |   |              |     |              |     |                  |      |                                                                                                                                                                                    |   |

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FED/EST Tracking # **7813 8934 6718**  
 Accutest Quote #  
 Matrix Order Control #  
 Accutest NC Job #: **C41963**

|                                                                                                                                                                                                                         |  |                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------|--|------------------------------------|--|------------------------------|--|-------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|--|---|--|------|--|------|--|------|--|------|--|-------|--|
| Client / Reporting Information                                                                                                                                                                                          |  | Project Information                                                                                      |  | Requested Analysis                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                     |  |                                    |  |                              |  |                         |  | Matrix Codes                                                                                                                                                       |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| Company Name<br><b>Weston Solutions, Inc.</b>                                                                                                                                                                           |  | Project Name:<br><b>La Bajada Riv Sampling</b>                                                           |  | Requested Analysis<br>Matrix Codes:<br>WW - Wastewater<br>GW - Ground Water<br>SW - Surface Water<br>SO - Soil<br>DI-GI<br>WP - Wipe<br>LIQ - Non-aqueous Liquid<br>AIR<br>DW - Drinking Water (Perchlorate Only)<br>LAB USE ONLY                                                                                                                                                                                  |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| Address<br><b>960 West Elliot Road #101</b>                                                                                                                                                                             |  | Street<br><b>Santo Domingo Pueblo</b>                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| City<br><b>Tempe</b> State<br><b>AZ</b> Zip<br><b>85284</b>                                                                                                                                                             |  | City<br><b>New Mexico</b> State                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| Project Contact:<br><b>Barb Wethington</b>                                                                                                                                                                              |  | Project #<br><b>12767.201.001.0020</b>                                                                   |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| Phone #<br><b>480-477-4911</b>                                                                                                                                                                                          |  | EMAIL:<br><b>b.wethington@westonsolutions.com</b>                                                        |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| Sampler's Name<br><b>D. Kenyon 16, Roussos</b>                                                                                                                                                                          |  | Client Purchase Order #                                                                                  |  | Number of preserved Bottles<br>V HIGH INO3 HNO2 HPO4 NH4C1<br>DISSOLVED METALS by EPA 200.7 & 200.8 Combined for 224 & 228 by EPA 913.1904<br>X X                                                                                                                                                                                                                                                                  |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| Accutest Sample ID<br><b>19</b>                                                                                                                                                                                         |  | Collection Date<br><b>7/23/15</b> Time<br><b>1800</b>                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                     |  |                                    |  |                              |  |                         |  | Sampled by<br><b>DK</b> Matrix<br><b>W</b>                                                                                                                         |  | # of bottles<br><b>6</b> |  | V |  | HIGH |  | INO3 |  | HNO2 |  | HPO4 |  | NH4C1 |  |
| Sample ID / Field Point / Point of Collection<br><b>LB-EB1-092315</b>                                                                                                                                                   |  |                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
|                                                                                                                                                                                                                         |  |                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
|                                                                                                                                                                                                                         |  |                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
|                                                                                                                                                                                                                         |  |                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
|                                                                                                                                                                                                                         |  |                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
|                                                                                                                                                                                                                         |  |                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
|                                                                                                                                                                                                                         |  |                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
|                                                                                                                                                                                                                         |  |                                                                                                          |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| Turnaround Time (Business days)                                                                                                                                                                                         |  | Approved By / Date                                                                                       |  | Data Deliverable Information                                                                                                                                                                                                                                                                                                                                                                                       |  |                                     |  |                                    |  |                              |  |                         |  | Comments / Remarks                                                                                                                                                 |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| <input checked="" type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |  |                                                                                                          |  | <input type="checkbox"/> Commercial "A" - Results only<br><input checked="" type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B*" - Results, QC, and chromatograms<br><input type="checkbox"/> FULL1 - Level 4 data package<br><input type="checkbox"/> EDF for Geotracker <input type="checkbox"/> EDF Format<br>Provide EDF Global ID<br>Provide EDF Logcode: |  |                                     |  |                                    |  |                              |  |                         |  | Metals consist of Al, Sb, Ar, Ba, Be, Bi, Bo, Cd, Ce, Cr, Co, Cu, Mg, Mn, Mo, Ni, K, Ag, Na, St, Th, V, U, Zn. Metals field filtered<br>Report as dissolved metals |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| Emergency T/A data available VIA Lablink                                                                                                                                                                                |  | Sample Custody must be documented below each time samples change possession, including courier delivery. |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                     |  |                                    |  |                              |  |                         |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| Relinquished by Sampler:<br><b>1 Dobbins K</b>                                                                                                                                                                          |  | Date Time:<br><b>09/24/15 0800</b>                                                                       |  | Received By:<br><b>1 Fed-EX</b>                                                                                                                                                                                                                                                                                                                                                                                    |  | Relinquished By:<br><b>2 Fed-EX</b> |  | Date Time:<br><b>9/25/15 09:45</b> |  | Received By:<br><b>2 A/i</b> |  | Date Time:<br><b>AZ</b> |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| Relinquished by:                                                                                                                                                                                                        |  | Date Time:                                                                                               |  | Received By:                                                                                                                                                                                                                                                                                                                                                                                                       |  | Relinquished By:                    |  | Date Time:                         |  | Received By:                 |  | Date Time:              |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| Relinquished by:                                                                                                                                                                                                        |  | Date Time:                                                                                               |  | Received By:                                                                                                                                                                                                                                                                                                                                                                                                       |  | Relinquished By:                    |  | Date Time:                         |  | Received By:                 |  | Date Time:              |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| Relinquished by:                                                                                                                                                                                                        |  | Date Time:                                                                                               |  | Received By:                                                                                                                                                                                                                                                                                                                                                                                                       |  | Relinquished By:                    |  | Date Time:                         |  | Received By:                 |  | Date Time:              |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| Relinquished by:                                                                                                                                                                                                        |  | Date Time:                                                                                               |  | Received By:                                                                                                                                                                                                                                                                                                                                                                                                       |  | Relinquished By:                    |  | Date Time:                         |  | Received By:                 |  | Date Time:              |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |
| Relinquished by:                                                                                                                                                                                                        |  | Date Time:                                                                                               |  | Received By:                                                                                                                                                                                                                                                                                                                                                                                                       |  | Relinquished By:                    |  | Date Time:                         |  | Received By:                 |  | Date Time:              |  |                                                                                                                                                                    |  |                          |  |   |  |      |  |      |  |      |  |      |  |       |  |

4.1  
4

## Accutest Laboratories Sample Receipt Summary

**Accutest Job Number:** C41963      **Client:** WESTON SOLUTIONS      **Project:** LA BAJADA GW SAMPLING  
**Date / Time Received:** 9/25/2015 9:45:00 AM      **Delivery Method:** FedEx      **Airbill #'s:** 781389416315

**Cooler Temps (Initial/Adjusted):** #1: (1.9/1.9); #2: (2.6/2.6); #3: (3.1/3.1); #4: (2.5/2.5); #5: (1.6/1.6); #6: (3.1/3.1);

| <u>Cooler Security</u>    |                                     | <u>Y</u> | <u>or</u>                | <u>N</u> |                       | <u>Y</u>                            | <u>or</u> | <u>N</u>                 |
|---------------------------|-------------------------------------|----------|--------------------------|----------|-----------------------|-------------------------------------|-----------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> |          | <input type="checkbox"/> |          | 3. COC Present:       | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input checked="" type="checkbox"/> |          | <input type="checkbox"/> |          | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |

| <u>Cooler Temperature</u>    |                                     | <u>Y</u> | <u>or</u>                | <u>N</u> |
|------------------------------|-------------------------------------|----------|--------------------------|----------|
| 1. Temp criteria achieved:   | <input checked="" type="checkbox"/> |          | <input type="checkbox"/> |          |
| 2. Cooler temp verification: | IR Gun                              |          |                          |          |
| 3. Cooler media:             | Ice (Bag)                           |          |                          |          |
| 4. No. Coolers               | 6                                   |          |                          |          |

| <u>Quality Control Preservation</u> | <u>Y</u>                            | <u>N</u>                 | <u>N/A</u>                          |
|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler:     | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC:        | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly:      | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                     |
| 4. VOCs headspace free:             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| <u>Sample Integrity - Documentation</u> |                                     | <u>Y</u> | <u>or</u>                           | <u>N</u> |
|-----------------------------------------|-------------------------------------|----------|-------------------------------------|----------|
| 1. Sample labels present on bottles:    | <input checked="" type="checkbox"/> |          | <input type="checkbox"/>            |          |
| 2. Container labeling complete:         | <input checked="" type="checkbox"/> |          | <input type="checkbox"/>            |          |
| 3. Sample container label / COC agree:  | <input type="checkbox"/>            |          | <input checked="" type="checkbox"/> |          |

| <u>Sample Integrity - Condition</u> |                                     | <u>Y</u> | <u>or</u>                | <u>N</u> |
|-------------------------------------|-------------------------------------|----------|--------------------------|----------|
| 1. Sample recvd within HT:          | <input checked="" type="checkbox"/> |          | <input type="checkbox"/> |          |
| 2. All containers accounted for:    | <input checked="" type="checkbox"/> |          | <input type="checkbox"/> |          |
| 3. Condition of sample:             | Intact                              |          |                          |          |

| <u>Sample Integrity - Instructions</u>    | <u>Y</u>                            | <u>N</u>                            | <u>N/A</u>                          |
|-------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Comments Sample# 5,6,10.....requested analysis not listed on the COC.

4.1  
4

Accutest Job Number: C41963

CSR: Elvin Kumar

Response Date: 9/30/2015

**Response:** Client confirmed that samples will be analyzed for the full suite as requested on the COC for other samples. Samples were marked up on the COC  
C41963-5 LB-MW4-092315  
C41963-6 LB-MW5-092315

\*\*Only Dissolved metals and Radiochemistry to be reported for the following:  
C41963-10 LB-EB1-092315

\*\*\*Reporting to be setup for MDL and mg/l

## Metals Analysis

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5

## QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: C41963  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10228  
Matrix Type: AQUEOUS

Methods: EPA 200.7  
Units: ug/l

Prep Date: 10/01/15

| Metal      | RL    | IDL | MDL | MB<br>raw | final  |
|------------|-------|-----|-----|-----------|--------|
| Aluminum   | 200   | 14  | 27  | 9.9       | <200   |
| Antimony   | 6.0   | 1.2 | 1.2 | -1.4      | <6.0   |
| Arsenic    | 10    | 1.6 | 2.5 | -0.70     | <10    |
| Barium     | 200   | .2  | .5  | 0.0       | <200   |
| Beryllium  | 5.0   | .2  | .6  | 0.0       | <5.0   |
| Boron      | 100   | 1.8 | 3.2 | 0.70      | <100   |
| Cadmium    | 2.0   | .2  | .3  | -0.10     | <2.0   |
| Calcium    | 5000  | 28  | 69  | 10.8      | <5000  |
| Chromium   | 10    | .4  | .6  | -0.30     | <10    |
| Cobalt     | 5.0   | .3  | .4  | 0.10      | <5.0   |
| Copper     | 10    | 1.2 | 1.8 | 0.40      | <10    |
| Iron       | 200   | 5.3 | 11  |           |        |
| Lead       | 10    | 1   | 1.7 |           |        |
| Lithium    | 50    | 1.1 | 2.9 |           |        |
| Magnesium  | 5000  | 16  | 23  | 8.0       | <5000  |
| Manganese  | 15    | .2  | .2  | 0.20      | <15    |
| Molybdenum | 20    | .5  | .6  | -0.20     | <20    |
| Nickel     | 5.0   | .4  | .6  | 0.30      | <5.0   |
| Potassium  | 10000 | 35  | 35  | 19.9      | <10000 |
| Selenium   | 10    | 1.7 | 3.3 |           |        |
| Silicon    | 100   | 2.4 | 2.4 |           |        |
| Silver     | 5.0   | .5  | 1.5 | -0.30     | <5.0   |
| Sodium     | 10000 | 11  | 25  | -17       | <10000 |
| Strontium  | 10    | .1  | .2  | 0.0       | <10    |
| Thallium   | 10    | 1.7 | 4.8 | 2.2       | <10    |
| Tin        | 50    | .8  | 1.3 |           |        |
| Titanium   | 10    | .8  | .8  |           |        |
| Vanadium   | 10    | .6  | .6  | 0.20      | <10    |
| Zinc       | 20    | .5  | 3.1 | 1.4       | <20    |

Associated samples MP10228: C41963-1F, C41963-2F, C41963-3F, C41963-4F, C41963-5F, C41963-6F, C41963-7F, C41963-8F, C41963-9F, C41963-10F

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C41963  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10228  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 10/01/15

| Metal      | C41963-7F<br>Original MS |        | SpikeLot<br>MPIR5 | % Rec | QC<br>Limits |
|------------|--------------------------|--------|-------------------|-------|--------------|
| Aluminum   | 25.7                     | 12700  | 12500             | 101.4 | 70-130       |
| Antimony   | 0.0                      | 527    | 500               | 105.4 | 70-130       |
| Arsenic    | 7.3                      | 549    | 500               | 108.3 | 70-130       |
| Barium     | 48.6                     | 575    | 500               | 105.3 | 70-130       |
| Beryllium  | 0.0                      | 524    | 500               | 104.8 | 70-130       |
| Boron      | 223                      | 759    | 500               | 107.2 | 70-130       |
| Cadmium    | 0.0                      | 540    | 500               | 108.0 | 70-130       |
| Calcium    | 71000                    | 83200  | 12500             | 97.6  | 70-130       |
| Chromium   | 0.40                     | 518    | 500               | 103.5 | 70-130       |
| Cobalt     | 1.1                      | 524    | 500               | 104.6 | 70-130       |
| Copper     | 3.2                      | 525    | 500               | 104.4 | 70-130       |
| Iron       |                          |        |                   |       |              |
| Lead       | anr                      |        |                   |       |              |
| Lithium    |                          |        |                   |       |              |
| Magnesium  | 15400                    | 27800  | 12500             | 99.2  | 70-130       |
| Manganese  | 0.60                     | 533    | 500               | 106.5 | 70-130       |
| Molybdenum | 5.7                      | 531    | 500               | 105.1 | 70-130       |
| Nickel     | 4.2                      | 516    | 500               | 102.4 | 70-130       |
| Potassium  | 6500                     | 11700  | 5000              | 104.0 | 70-130       |
| Selenium   |                          |        |                   |       |              |
| Silicon    |                          |        |                   |       |              |
| Silver     | 0.0                      | 529    | 500               | 105.8 | 70-130       |
| Sodium     | 90500                    | 103000 | 12500             | 100.0 | 70-130       |
| Strontium  | 557                      | 1080   | 500               | 104.6 | -            |
| Thallium   | 3.0                      | 514    | 500               | 102.2 | 70-130       |
| Tin        |                          |        |                   |       |              |
| Titanium   |                          |        |                   |       |              |
| Vanadium   | 9.9                      | 518    | 500               | 101.6 | 70-130       |
| Zinc       | 16.6                     | 543    | 500               | 105.3 | 70-130       |

Associated samples MP10228: C41963-1F, C41963-2F, C41963-3F, C41963-4F, C41963-5F, C41963-6F, C41963-7F, C41963-8F, C41963-9F, C41963-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C41963  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10228  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 10/01/15

| Metal      | C41963-7F<br>Original MSD | MSD    | SpikeLot<br>MPIR5 | % Rec | MSD<br>RPD | QC<br>Limit |
|------------|---------------------------|--------|-------------------|-------|------------|-------------|
| Aluminum   | 25.7                      | 12700  | 12500             | 101.4 | 0.0        | 20          |
| Antimony   | 0.0                       | 533    | 500               | 106.6 | 1.1        | 20          |
| Arsenic    | 7.3                       | 557    | 500               | 109.9 | 1.4        | 20          |
| Barium     | 48.6                      | 577    | 500               | 105.7 | 0.3        | 20          |
| Beryllium  | 0.0                       | 529    | 500               | 105.8 | 0.9        | 20          |
| Boron      | 223                       | 764    | 500               | 108.2 | 0.7        | 20          |
| Cadmium    | 0.0                       | 545    | 500               | 109.0 | 0.9        | 20          |
| Calcium    | 71000                     | 83500  | 12500             | 100.0 | 0.4        | 20          |
| Chromium   | 0.40                      | 514    | 500               | 102.7 | 0.8        | 20          |
| Cobalt     | 1.1                       | 526    | 500               | 105.0 | 0.4        | 20          |
| Copper     | 3.2                       | 529    | 500               | 105.2 | 0.8        | 20          |
| Iron       |                           |        |                   |       |            |             |
| Lead       | anr                       |        |                   |       |            |             |
| Lithium    |                           |        |                   |       |            |             |
| Magnesium  | 15400                     | 28200  | 12500             | 102.4 | 1.4        | 20          |
| Manganese  | 0.60                      | 535    | 500               | 106.9 | 0.4        | 20          |
| Molybdenum | 5.7                       | 534    | 500               | 105.7 | 0.6        | 20          |
| Nickel     | 4.2                       | 518    | 500               | 102.8 | 0.4        | 20          |
| Potassium  | 6500                      | 11800  | 5000              | 106.0 | 0.9        | 20          |
| Selenium   |                           |        |                   |       |            |             |
| Silicon    |                           |        |                   |       |            |             |
| Silver     | 0.0                       | 531    | 500               | 106.2 | 0.4        | 20          |
| Sodium     | 90500                     | 104000 | 12500             | 108.0 | 1.0        | 20          |
| Strontium  | 557                       | 1090   | 500               | 106.6 | 0.9        | 20          |
| Thallium   | 3.0                       | 516    | 500               | 102.6 | 0.4        | 20          |
| Tin        |                           |        |                   |       |            |             |
| Titanium   |                           |        |                   |       |            |             |
| Vanadium   | 9.9                       | 516    | 500               | 101.2 | 0.4        | 20          |
| Zinc       | 16.6                      | 547    | 500               | 106.1 | 0.7        | 20          |

Associated samples MP10228: C41963-1F, C41963-2F, C41963-3F, C41963-4F, C41963-5F, C41963-6F, C41963-7F, C41963-8F, C41963-9F, C41963-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

5.1.2  
**5**

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C41963  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10228  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 10/01/15

| Metal      | C41963-2F<br>Original MS | Spikelot<br>MPIR5 | % Rec | QC<br>Limits |        |
|------------|--------------------------|-------------------|-------|--------------|--------|
| Aluminum   | 16.9                     | 13000             | 12500 | 103.9        | 70-130 |
| Antimony   | 0.0                      | 537               | 500   | 107.4        | 70-130 |
| Arsenic    | 41.7                     | 594               | 500   | 110.5        | 70-130 |
| Barium     | 44.6                     | 574               | 500   | 105.9        | 70-130 |
| Beryllium  | 0.0                      | 539               | 500   | 107.8        | 70-130 |
| Boron      | 168                      | 719               | 500   | 110.2        | 70-130 |
| Cadmium    | 0.0                      | 548               | 500   | 109.6        | 70-130 |
| Calcium    | 52300                    | 64500             | 12500 | 97.6         | 70-130 |
| Chromium   | 0.70                     | 546               | 500   | 109.1        | 70-130 |
| Cobalt     | 0.0                      | 525               | 500   | 105.0        | 70-130 |
| Copper     | 4.1                      | 525               | 500   | 104.2        | 70-130 |
| Iron       |                          |                   |       |              |        |
| Lead       | anr                      |                   |       |              |        |
| Lithium    |                          |                   |       |              |        |
| Magnesium  | 15000                    | 27700             | 12500 | 101.6        | 70-130 |
| Manganese  | 0.30                     | 543               | 500   | 108.5        | 70-130 |
| Molybdenum | 35.7                     | 573               | 500   | 107.5        | 70-130 |
| Nickel     | 1.0                      | 521               | 500   | 104.0        | 70-130 |
| Potassium  | 19700                    | 24600             | 5000  | 98.2         | 70-130 |
| Selenium   |                          |                   |       |              |        |
| Silicon    |                          |                   |       |              |        |
| Silver     | 0.0                      | 529               | 500   | 105.8        | 70-130 |
| Sodium     | 94100                    | 106000            | 12500 | 95.2         | 70-130 |
| Strontium  | 627                      | 1160              | 500   | 106.6        | -      |
| Thallium   | 0.0                      | 573               | 500   | 114.6        | 70-130 |
| Tin        |                          |                   |       |              |        |
| Titanium   |                          |                   |       |              |        |
| Vanadium   | 8.9                      | 537               | 500   | 105.6        | 70-130 |
| Zinc       | 10.4                     | 559               | 500   | 109.7        | 70-130 |

Associated samples MP10228: C41963-1F, C41963-2F, C41963-3F, C41963-4F, C41963-5F, C41963-6F, C41963-7F, C41963-8F, C41963-9F, C41963-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C41963  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10228  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 10/01/15

| Metal      | C41963-2F<br>Original MSD |        | SpikeLot<br>MPIR5 | % Rec | MSD<br>RPD | QC<br>Limit |
|------------|---------------------------|--------|-------------------|-------|------------|-------------|
| Aluminum   | 16.9                      | 13100  | 12500             | 104.7 | 0.8        | 20          |
| Antimony   | 0.0                       | 544    | 500               | 108.8 | 1.3        | 20          |
| Arsenic    | 41.7                      | 603    | 500               | 112.3 | 1.5        | 20          |
| Barium     | 44.6                      | 586    | 500               | 108.3 | 2.1        | 20          |
| Beryllium  | 0.0                       | 544    | 500               | 108.8 | 0.9        | 20          |
| Boron      | 168                       | 730    | 500               | 112.4 | 1.5        | 20          |
| Cadmium    | 0.0                       | 552    | 500               | 110.4 | 0.7        | 20          |
| Calcium    | 52300                     | 64500  | 12500             | 97.6  | 0.0        | 20          |
| Chromium   | 0.70                      | 553    | 500               | 110.5 | 1.3        | 20          |
| Cobalt     | 0.0                       | 527    | 500               | 105.4 | 0.4        | 20          |
| Copper     | 4.1                       | 529    | 500               | 105.0 | 0.8        | 20          |
| Iron       |                           |        |                   |       |            |             |
| Lead       | anr                       |        |                   |       |            |             |
| Lithium    |                           |        |                   |       |            |             |
| Magnesium  | 15000                     | 27700  | 12500             | 101.6 | 0.0        | 20          |
| Manganese  | 0.30                      | 541    | 500               | 108.1 | 0.4        | 20          |
| Molybdenum | 35.7                      | 581    | 500               | 109.1 | 1.4        | 20          |
| Nickel     | 1.0                       | 525    | 500               | 104.8 | 0.8        | 20          |
| Potassium  | 19700                     | 25000  | 5000              | 106.8 | 1.6        | 20          |
| Selenium   |                           |        |                   |       |            |             |
| Silicon    |                           |        |                   |       |            |             |
| Silver     | 0.0                       | 536    | 500               | 107.2 | 1.3        | 20          |
| Sodium     | 94100                     | 107000 | 12500             | 103.2 | 0.9        | 20          |
| Strontium  | 627                       | 1180   | 500               | 110.6 | 1.7        | 20          |
| Thallium   | 0.0                       | 576    | 500               | 115.2 | 0.5        | 20          |
| Tin        |                           |        |                   |       |            |             |
| Titanium   |                           |        |                   |       |            |             |
| Vanadium   | 8.9                       | 542    | 500               | 106.6 | 0.9        | 20          |
| Zinc       | 10.4                      | 563    | 500               | 110.5 | 0.7        | 20          |

Associated samples MP10228: C41963-1F, C41963-2F, C41963-3F, C41963-4F, C41963-5F, C41963-6F, C41963-7F, C41963-8F, C41963-9F, C41963-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

5.1.2  
**5**

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C41963  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10228  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 10/01/15

| Metal      | BSP Result | Spikelot MPIR5 | % Rec | QC Limits |
|------------|------------|----------------|-------|-----------|
| Aluminum   | 12300      | 12500          | 98.4  | 85-115    |
| Antimony   | 512        | 500            | 102.4 | 85-115    |
| Arsenic    | 513        | 500            | 102.6 | 85-115    |
| Barium     | 516        | 500            | 103.2 | 85-115    |
| Beryllium  | 510        | 500            | 102.0 | 85-115    |
| Boron      | 533        | 500            | 106.6 | 85-115    |
| Cadmium    | 525        | 500            | 105.0 | 85-115    |
| Calcium    | 12400      | 12500          | 99.2  | 85-115    |
| Chromium   | 514        | 500            | 102.8 | 85-115    |
| Cobalt     | 527        | 500            | 105.4 | 85-115    |
| Copper     | 506        | 500            | 101.2 | 85-115    |
| Iron       |            |                |       |           |
| Lead       | anr        |                |       |           |
| Lithium    |            |                |       |           |
| Magnesium  | 12300      | 12500          | 98.4  | 85-115    |
| Manganese  | 527        | 500            | 105.4 | 85-115    |
| Molybdenum | 517        | 500            | 103.4 | 85-115    |
| Nickel     | 489        | 500            | 97.8  | 85-115    |
| Potassium  | 5000       | 5000           | 100.0 | 85-115    |
| Selenium   |            |                |       |           |
| Silicon    |            |                |       |           |
| Silver     | 513        | 500            | 102.6 | 85-115    |
| Sodium     | 12600      | 12500          | 100.8 | 85-115    |
| Strontium  | 514        | 500            | 102.8 | -         |
| Thallium   | 527        | 500            | 105.4 | 85-115    |
| Tin        |            |                |       |           |
| Titanium   |            |                |       |           |
| Vanadium   | 495        | 500            | 99.0  | 85-115    |
| Zinc       | 528        | 500            | 105.6 | 85-115    |

Associated samples MP10228: C41963-1F, C41963-2F, C41963-3F, C41963-4F, C41963-5F, C41963-6F, C41963-7F, C41963-8F, C41963-9F, C41963-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C41963  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10228  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 10/01/15

| Metal      | C41963-7F |         | QC              |
|------------|-----------|---------|-----------------|
|            | Original  | SDL 1:5 | Limits          |
| Aluminum   | 25.7      | 0.00    | 100.0 (a) 0-10  |
| Antimony   | 0.00      | 0.00    | NC 0-10         |
| Arsenic    | 7.30      | 0.00    | 100.0 (a) 0-10  |
| Barium     | 48.3      | 50.1    | 3.1 0-10        |
| Beryllium  | 0.00      | 0.00    | NC 0-10         |
| Boron      | 223       | 217     | 2.9 0-10        |
| Cadmium    | 0.00      | 0.00    | NC 0-10         |
| Calcium    | 73400     | 73100   | 2.9 0-10        |
| Chromium   | 0.400     | 0.00    | 100.0 (a) 0-10  |
| Cobalt     | 1.00      | 2.10    | 90.9 (a) 0-10   |
| Copper     | 3.20      | 0.00    | 100.0 (a) 0-10  |
| Iron       |           |         |                 |
| Lead       | anr       |         |                 |
| Lithium    |           |         |                 |
| Magnesium  | 16000     | 15900   | 3.0 0-10        |
| Manganese  | 0.600     | 20.8    | 3366.7 (a) 0-10 |
| Molybdenum | 5.70      | 6.00    | 5.3 0-10        |
| Nickel     | 4.20      | 4.20    | 0.0 0-10        |
| Potassium  | 6530      | 6680    | 2.8 0-10        |
| Selenium   |           |         |                 |
| Silicon    |           |         |                 |
| Silver     | 0.00      | 0.00    | NC 0-10         |
| Sodium     | 90600     | 92300   | 2.0 0-10        |
| Strontium  | 572       | 575     | 3.2* (b) 0-     |
| Thallium   | 3.00      | 9.20    | 206.7 (a) 0-10  |
| Tin        |           |         |                 |
| Titanium   |           |         |                 |
| Vanadium   | 9.90      | 10.4    | 5.1 0-10        |
| Zinc       | 16.9      | 20.8    | 25.3 (a) 0-10   |

Associated samples MP10228: C41963-1F, C41963-2F, C41963-3F, C41963-4F, C41963-5F, C41963-6F, C41963-7F, C41963-8F, C41963-9F, C41963-10F

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

(b) Serial dilution indicates possible matrix interference.

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: C41963  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10229  
Matrix Type: AQUEOUS

Methods: EPA 200.8  
Units: ug/l

Prep Date: 10/01/15

| Metal      | RL   | IDL   | MDL  | MB<br>raw | final |
|------------|------|-------|------|-----------|-------|
| Aluminum   | 50   | 4.5   | 13   |           |       |
| Antimony   | 0.50 | .27   | .42  |           |       |
| Arsenic    | 1.0  | .61   | .036 |           |       |
| Barium     | 1.0  | .021  | .091 |           |       |
| Beryllium  | 0.50 |       | .035 |           |       |
| Boron      | 5.0  | .18   | .57  |           |       |
| Cadmium    | 0.50 | .0056 | .024 |           |       |
| Calcium    | 500  | 80    | 10   |           |       |
| Chromium   | 4.0  | .05   | .043 |           |       |
| Cobalt     | 0.50 | .037  | .14  |           |       |
| Copper     | 4.0  | .036  | .39  |           |       |
| Iron       | 50   | 6.2   | 4.4  |           |       |
| Lead       | 0.50 | .011  | .068 |           |       |
| Magnesium  | 500  | 1.1   | .79  |           |       |
| Manganese  | 1.0  | .024  | .071 |           |       |
| Molybdenum | 1.0  | .23   | .46  |           |       |
| Nickel     | 4.0  | .35   | .12  |           |       |
| Potassium  | 500  | 4.7   | 5.1  |           |       |
| Selenium   | 1.0  | .33   | .21  |           |       |
| Silver     | 2.0  | .0096 | .018 |           |       |
| Sodium     | 500  | 4.3   | 9.7  |           |       |
| Strontium  | 5.0  | .043  | .072 |           |       |
| Thallium   | 0.50 | .08   | .19  |           |       |
| Tin        | 5.0  | .11   | .42  |           |       |
| Titanium   | 1.0  | .17   | .13  |           |       |
| Vanadium   | 4.0  | .72   | .096 |           |       |
| Uranium    | 1.0  | .12   | .017 | 0.00093   | <1.0  |
| Zinc       | 4.0  | .45   | .81  |           |       |

Associated samples MP10229: C41963-1F, C41963-2F, C41963-3F, C41963-4F, C41963-5F, C41963-6F, C41963-7F, C41963-8F, C41963-9F, C41963-10F

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C41963  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10229  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 10/01/15

| Metal      | C41963-7F<br>Original MS | SpikeLot<br>MPIR5 | % Rec | QC<br>Limits |
|------------|--------------------------|-------------------|-------|--------------|
| Aluminum   |                          |                   |       |              |
| Antimony   |                          |                   |       |              |
| Arsenic    |                          |                   |       |              |
| Barium     |                          |                   |       |              |
| Beryllium  |                          |                   |       |              |
| Boron      |                          |                   |       |              |
| Cadmium    | anr                      |                   |       |              |
| Calcium    |                          |                   |       |              |
| Chromium   | anr                      |                   |       |              |
| Cobalt     |                          |                   |       |              |
| Copper     | anr                      |                   |       |              |
| Iron       |                          |                   |       |              |
| Lead       | anr                      |                   |       |              |
| Magnesium  |                          |                   |       |              |
| Manganese  |                          |                   |       |              |
| Molybdenum |                          |                   |       |              |
| Nickel     | anr                      |                   |       |              |
| Potassium  |                          |                   |       |              |
| Selenium   |                          |                   |       |              |
| Silver     | anr                      |                   |       |              |
| Sodium     |                          |                   |       |              |
| Strontium  |                          |                   |       |              |
| Thallium   |                          |                   |       |              |
| Tin        |                          |                   |       |              |
| Titanium   |                          |                   |       |              |
| Vanadium   |                          |                   |       |              |
| Uranium    | 13.5                     | 548               | 500   | 106.9 70-130 |
| Zinc       | anr                      |                   |       |              |

Associated samples MP10229: C41963-1F, C41963-2F, C41963-3F, C41963-4F, C41963-5F, C41963-6F, C41963-7F, C41963-8F, C41963-9F, C41963-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C41963  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10229  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 10/01/15

| Metal      | C41963-7F<br>Original MSD | SpikeLot<br>MPIR5 | % Rec | MSD<br>RPD | QC<br>Limit |
|------------|---------------------------|-------------------|-------|------------|-------------|
| Aluminum   |                           |                   |       |            |             |
| Antimony   |                           |                   |       |            |             |
| Arsenic    |                           |                   |       |            |             |
| Barium     |                           |                   |       |            |             |
| Beryllium  |                           |                   |       |            |             |
| Boron      |                           |                   |       |            |             |
| Cadmium    | anr                       |                   |       |            |             |
| Calcium    |                           |                   |       |            |             |
| Chromium   | anr                       |                   |       |            |             |
| Cobalt     |                           |                   |       |            |             |
| Copper     | anr                       |                   |       |            |             |
| Iron       |                           |                   |       |            |             |
| Lead       | anr                       |                   |       |            |             |
| Magnesium  |                           |                   |       |            |             |
| Manganese  |                           |                   |       |            |             |
| Molybdenum |                           |                   |       |            |             |
| Nickel     | anr                       |                   |       |            |             |
| Potassium  |                           |                   |       |            |             |
| Selenium   |                           |                   |       |            |             |
| Silver     | anr                       |                   |       |            |             |
| Sodium     |                           |                   |       |            |             |
| Strontium  |                           |                   |       |            |             |
| Thallium   |                           |                   |       |            |             |
| Tin        |                           |                   |       |            |             |
| Titanium   |                           |                   |       |            |             |
| Vanadium   |                           |                   |       |            |             |
| Uranium    | 13.5                      | 553               | 500   | 107.9      | 5.1 20      |
| Zinc       | anr                       |                   |       |            |             |

Associated samples MP10229: C41963-1F, C41963-2F, C41963-3F, C41963-4F, C41963-5F, C41963-6F, C41963-7F, C41963-8F, C41963-9F, C41963-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

5.2.2  
**5**

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C41963  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10229  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 10/01/15

| Metal      | C41963-2F<br>Original MS | SpikeLot<br>MPIR5 | % Rec | QC<br>Limits |
|------------|--------------------------|-------------------|-------|--------------|
| Aluminum   |                          |                   |       |              |
| Antimony   |                          |                   |       |              |
| Arsenic    |                          |                   |       |              |
| Barium     |                          |                   |       |              |
| Beryllium  |                          |                   |       |              |
| Boron      |                          |                   |       |              |
| Cadmium    | anr                      |                   |       |              |
| Calcium    |                          |                   |       |              |
| Chromium   | anr                      |                   |       |              |
| Cobalt     |                          |                   |       |              |
| Copper     | anr                      |                   |       |              |
| Iron       |                          |                   |       |              |
| Lead       | anr                      |                   |       |              |
| Magnesium  |                          |                   |       |              |
| Manganese  |                          |                   |       |              |
| Molybdenum |                          |                   |       |              |
| Nickel     | anr                      |                   |       |              |
| Potassium  |                          |                   |       |              |
| Selenium   |                          |                   |       |              |
| Silver     | anr                      |                   |       |              |
| Sodium     |                          |                   |       |              |
| Strontium  |                          |                   |       |              |
| Thallium   |                          |                   |       |              |
| Tin        |                          |                   |       |              |
| Titanium   |                          |                   |       |              |
| Vanadium   |                          |                   |       |              |
| Uranium    | 5.9                      | 539               | 500   | 106.6 70-130 |
| Zinc       | anr                      |                   |       |              |

Associated samples MP10229: C41963-1F, C41963-2F, C41963-3F, C41963-4F, C41963-5F, C41963-6F, C41963-7F, C41963-8F, C41963-9F, C41963-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C41963  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10229  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 10/01/15

| Metal      | C41963-2F<br>Original MSD | SpikeLot<br>MPIR5 | % Rec | MSD<br>RPD | QC<br>Limit |    |
|------------|---------------------------|-------------------|-------|------------|-------------|----|
| Aluminum   |                           |                   |       |            |             |    |
| Antimony   |                           |                   |       |            |             |    |
| Arsenic    |                           |                   |       |            |             |    |
| Barium     |                           |                   |       |            |             |    |
| Beryllium  |                           |                   |       |            |             |    |
| Boron      |                           |                   |       |            |             |    |
| Cadmium    | anr                       |                   |       |            |             |    |
| Calcium    |                           |                   |       |            |             |    |
| Chromium   | anr                       |                   |       |            |             |    |
| Cobalt     |                           |                   |       |            |             |    |
| Copper     | anr                       |                   |       |            |             |    |
| Iron       |                           |                   |       |            |             |    |
| Lead       | anr                       |                   |       |            |             |    |
| Magnesium  |                           |                   |       |            |             |    |
| Manganese  |                           |                   |       |            |             |    |
| Molybdenum |                           |                   |       |            |             |    |
| Nickel     | anr                       |                   |       |            |             |    |
| Potassium  |                           |                   |       |            |             |    |
| Selenium   |                           |                   |       |            |             |    |
| Silver     | anr                       |                   |       |            |             |    |
| Sodium     |                           |                   |       |            |             |    |
| Strontium  |                           |                   |       |            |             |    |
| Thallium   |                           |                   |       |            |             |    |
| Tin        |                           |                   |       |            |             |    |
| Titanium   |                           |                   |       |            |             |    |
| Vanadium   |                           |                   |       |            |             |    |
| Uranium    | 5.9                       | 544               | 500   | 107.6      | 0.9         | 20 |
| Zinc       | anr                       |                   |       |            |             |    |

Associated samples MP10229: C41963-1F, C41963-2F, C41963-3F, C41963-4F, C41963-5F, C41963-6F, C41963-7F, C41963-8F, C41963-9F, C41963-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

5.2.2  
 5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C41963  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10229  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 10/01/15

| Metal      | BSP Result | Spikelot MPIR5 | % Rec | QC Limits |
|------------|------------|----------------|-------|-----------|
| Aluminum   |            |                |       |           |
| Antimony   |            |                |       |           |
| Arsenic    |            |                |       |           |
| Barium     |            |                |       |           |
| Beryllium  |            |                |       |           |
| Boron      |            |                |       |           |
| Cadmium    | anr        |                |       |           |
| Calcium    |            |                |       |           |
| Chromium   | anr        |                |       |           |
| Cobalt     |            |                |       |           |
| Copper     | anr        |                |       |           |
| Iron       |            |                |       |           |
| Lead       | anr        |                |       |           |
| Magnesium  |            |                |       |           |
| Manganese  |            |                |       |           |
| Molybdenum |            |                |       |           |
| Nickel     | anr        |                |       |           |
| Potassium  |            |                |       |           |
| Selenium   |            |                |       |           |
| Silver     | anr        |                |       |           |
| Sodium     |            |                |       |           |
| Strontium  |            |                |       |           |
| Thallium   |            |                |       |           |
| Tin        |            |                |       |           |
| Titanium   |            |                |       |           |
| Vanadium   |            |                |       |           |
| Uranium    | 514        | 500            | 102.8 | 85-115    |
| Zinc       | anr        |                |       |           |

Associated samples MP10229: C41963-1F, C41963-2F, C41963-3F, C41963-4F, C41963-5F, C41963-6F, C41963-7F, C41963-8F, C41963-9F, C41963-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C41963  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10229  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 10/01/15

| Metal      | C41963-7F<br>Original SDL 1:5 |      | %DIF | QC<br>Limits |
|------------|-------------------------------|------|------|--------------|
| Aluminum   |                               |      |      |              |
| Antimony   |                               |      |      |              |
| Arsenic    |                               |      |      |              |
| Barium     |                               |      |      |              |
| Beryllium  |                               |      |      |              |
| Boron      |                               |      |      |              |
| Cadmium    | anr                           |      |      |              |
| Calcium    |                               |      |      |              |
| Chromium   | anr                           |      |      |              |
| Cobalt     |                               |      |      |              |
| Copper     | anr                           |      |      |              |
| Iron       |                               |      |      |              |
| Lead       | anr                           |      |      |              |
| Magnesium  |                               |      |      |              |
| Manganese  |                               |      |      |              |
| Molybdenum |                               |      |      |              |
| Nickel     | anr                           |      |      |              |
| Potassium  |                               |      |      |              |
| Selenium   |                               |      |      |              |
| Silver     | anr                           |      |      |              |
| Sodium     |                               |      |      |              |
| Strontium  |                               |      |      |              |
| Thallium   |                               |      |      |              |
| Tin        |                               |      |      |              |
| Titanium   |                               |      |      |              |
| Vanadium   |                               |      |      |              |
| Uranium    | 13.5                          | 13.1 | 3.0  | 0-10         |
| Zinc       | anr                           |      |      |              |

Associated samples MP10229: C41963-1F, C41963-2F, C41963-3F, C41963-4F, C41963-5F, C41963-6F, C41963-7F, C41963-8F, C41963-9F, C41963-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

## General Chemistry

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### QC Data Summaries

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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C41963  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                     | Batch ID       | RL   | MB Result | Units | Spike Amount | BSP Result | BSP %Recov | QC Limits |
|-----------------------------|----------------|------|-----------|-------|--------------|------------|------------|-----------|
| Alkalinity, Total as CaCO3  | GN17467        | 5.0  | 0.0       | mg/l  | 250          | 252        | 100.8      | 75-125%   |
| Alkalinity, Total as CaCO3  | GN17503        | 5.0  | 0.0       | mg/l  | 250          | 253        | 101.2      | 75-125%   |
| Bromide                     | GP8436/GN17492 | 0.20 | 0.0       | mg/l  | 5            | 4.79       | 95.8       | 90-110%   |
| Chloride                    | GP8436/GN17492 | 0.50 | 0.0       | mg/l  | 5            | 4.68       | 93.6       | 90-110%   |
| Fluoride                    | GP8436/GN17492 | 0.10 | 0.0       | mg/l  | 5            | 4.74       | 94.8       | 90-110%   |
| Nitrogen, Nitrate           | GP8436/GN17492 | 0.10 | 0.0       | mg/l  | 5            | 4.75       | 95.0       | 90-110%   |
| Nitrogen, Nitrate + Nitrite | GN17535        | 0.10 | 0.0       | mg/l  | 0.2          | 0.20       | 98.6       | 85-115%   |
| Nitrogen, Nitrite           | GP8436/GN17492 | 0.10 | 0.0       | mg/l  | 5            | 4.60       | 92.0       | 90-110%   |
| Nitrogen, Total Kjeldahl    | GP8461/GN17542 | 0.20 | 0.0       | mg/l  | 5            | 4.9        | 97.4       | 75-125%   |
| Solids, Total Dissolved     | GN17454        | 10   | 0.0       | mg/l  |              |            |            |           |
| Solids, Total Dissolved     | GN17465        | 10   | 0.0       | mg/l  |              |            |            |           |
| Sulfate                     | GP8436/GN17492 | 0.50 | 0.0       | mg/l  | 5            | 4.59       | 91.8       | 90-110%   |

Associated Samples:

Batch GP8436: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7, C41963-8, C41963-9  
 Batch GP8461: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7, C41963-8, C41963-9  
 Batch GN17454: C41963-8, C41963-9  
 Batch GN17465: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7  
 Batch GN17467: C41963-8, C41963-9  
 Batch GN17503: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7  
 Batch GN17535: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7, C41963-8, C41963-9  
 (\*) Outside of QC limits

6.1  
6

BLANK SPIKE DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C41963  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                     | Batch ID       | Units | Spike Amount | BSD Result | RPD | QC Limit |
|-----------------------------|----------------|-------|--------------|------------|-----|----------|
| Alkalinity, Total as CaCO3  | GN17467        | mg/l  | 250          | 251        | 0.4 |          |
| Alkalinity, Total as CaCO3  | GN17503        | mg/l  | 250          | 257        | 1.6 |          |
| Bromide                     | GP8436/GN17492 | mg/l  | 5            | 4.74       | 1.0 | 25%      |
| Chloride                    | GP8436/GN17492 | mg/l  | 5            | 4.63       | 1.1 | 25%      |
| Fluoride                    | GP8436/GN17492 | mg/l  | 5            | 4.71       | 0.6 | 25%      |
| Nitrogen, Nitrate           | GP8436/GN17492 | mg/l  | 5            | 4.73       | 0.4 | 25%      |
| Nitrogen, Nitrate + Nitrite | GN17535        | mg/l  | 0.2          | 0.19       | 1.7 |          |
| Nitrogen, Nitrite           | GP8436/GN17492 | mg/l  | 5            | 4.63       | 0.7 | 25%      |
| Nitrogen, Total Kjeldahl    | GP8461/GN17542 | mg/l  | 5            | 4.9        | 0.8 |          |
| Sulfate                     | GP8436/GN17492 | mg/l  | 5            | 4.54       | 1.1 | 25%      |

Associated Samples:

Batch GP8436: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7, C41963-8, C41963-9  
 Batch GP8461: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7, C41963-8, C41963-9  
 Batch GN17467: C41963-8, C41963-9  
 Batch GN17503: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7  
 Batch GN17535: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7, C41963-8, C41963-9  
 (\*) Outside of QC limits

6.2  
6

DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C41963  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                    | Batch ID | QC Sample | Units | Original Result | DUP Result | RPD | QC Limits |
|----------------------------|----------|-----------|-------|-----------------|------------|-----|-----------|
| Alkalinity, Total as CaCO3 | GN17467  | C41967-1  | mg/l  | 309             | 297        | 4.0 | 0-25%     |
| Alkalinity, Total as CaCO3 | GN17503  | C41963-7  | mg/l  | 312             | 300        | 4.0 | 0-25%     |
| Solids, Total Dissolved    | GN17454  | C41963-9  | mg/l  | 392             | 371        | 5.5 | 0-10%     |
| Solids, Total Dissolved    | GN17465  | C41963-7  | mg/l  | 500             | 505        | 1.0 | 0-10%     |

Associated Samples:

Batch GN17454: C41963-8, C41963-9

Batch GN17465: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7

Batch GN17467: C41963-8, C41963-9

Batch GN17503: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7

(\*) Outside of QC limits

6.3

6

MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C41963  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                     | Batch ID       | QC Sample | Units | Original Result | Spike Amount | MS Result | %Rec  | QC Limits |
|-----------------------------|----------------|-----------|-------|-----------------|--------------|-----------|-------|-----------|
| Bromide                     | GP8436/GN17492 | C41963-7  | mg/l  | 0.23 U          | 50           | 47.9      | 95.8  | 80-120%   |
| Chloride                    | GP8436/GN17492 | C41963-7  | mg/l  | 56.8            | 50           | 105       | 96.4  | 80-120%   |
| Fluoride                    | GP8436/GN17492 | C41963-7  | mg/l  | 0.45            | 50           | 47.6      | 94.3  | 80-120%   |
| Nitrogen, Nitrate           | GP8436/GN17492 | C41963-7  | mg/l  | 0.23 U          | 50           | 47.9      | 95.8  | 80-120%   |
| Nitrogen, Nitrate + Nitrite | GN17535        | C41963-7  | mg/l  | 0.11            | 0.2          | 0.31      | 101.4 | 75-125%   |
| Nitrogen, Nitrite           | GP8436/GN17492 | C41963-7  | mg/l  | 0.13 U          | 50           | 47.1      | 94.2  | 80-120%   |
| Nitrogen, Total Kjeldahl    | GP8461/GN17542 | C41963-7  | mg/l  | 0.039           | 5            | 4.3       | 85.0  | 75-125%   |
| Sulfate                     | GP8436/GN17492 | C41963-7  | mg/l  | 69.0            | 50           | 116       | 94.0  | 80-120%   |

Associated Samples:

Batch GP8436: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7, C41963-8, C41963-9

Batch GP8461: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7, C41963-8, C41963-9

Batch GN17535: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7, C41963-8, C41963-9

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

6.4  
6

MATRIX SPIKE DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C41963  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                     | Batch ID       | QC Sample | Units | Original Result | Spike Amount | MSD Result | RPD | QC Limit |
|-----------------------------|----------------|-----------|-------|-----------------|--------------|------------|-----|----------|
| Bromide                     | GP8436/GN17492 | C41963-7  | mg/l  | 0.23 U          | 50           | 47.9       | 0.0 |          |
| Chloride                    | GP8436/GN17492 | C41963-7  | mg/l  | 56.8            | 50           | 105        | 0.0 |          |
| Fluoride                    | GP8436/GN17492 | C41963-7  | mg/l  | 0.45            | 50           | 47.8       | 0.4 |          |
| Nitrogen, Nitrate           | GP8436/GN17492 | C41963-7  | mg/l  | 0.23 U          | 50           | 47.9       | 0.0 |          |
| Nitrogen, Nitrate + Nitrite | GN17535        | C41963-7  | mg/l  | 0.11            | 0.2          | 0.31       | 0.4 |          |
| Nitrogen, Nitrite           | GP8436/GN17492 | C41963-7  | mg/l  | 0.13 U          | 50           | 47.5       | 0.8 |          |
| Nitrogen, Total Kjeldahl    | GP8461/GN17542 | C41963-7  | mg/l  | 0.039           | 5            | 4.4        | 1.4 |          |
| Sulfate                     | GP8436/GN17492 | C41963-7  | mg/l  | 69.0            | 50           | 116        | 0.0 |          |

Associated Samples:

Batch GP8436: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7, C41963-8, C41963-9

Batch GP8461: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7, C41963-8, C41963-9

Batch GN17535: C41963-1, C41963-2, C41963-3, C41963-4, C41963-5, C41963-6, C41963-7, C41963-8, C41963-9

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

6.5  
6

Technical Report for

Weston Solutions, Inc.

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

12767.201.001.0020

Accutest Job Number: C41963X

Sampling Dates: 09/21/15 - 09/23/15

Report to:

Weston Solutions, Inc.  
960 West Elliot Road Suite 101  
Tempe, AZ 85284  
b.wethington@westonsolutions.com

ATTN: Barbara Wethington

Total number of pages in report: **33**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.



James J. Rhudy  
Lab Director

Client Service contact: Maureen Coloma 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925)  
DoD ELAP (L-A-B L2242)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.

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## Sample Summary

Weston Solutions, Inc.

**Job No:** C41963X

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
 Project No: 12767.201.001.0020

| Sample Number | Collected |          | Received | Matrix |                    | Client Sample ID |
|---------------|-----------|----------|----------|--------|--------------------|------------------|
|               | Date      | Time By  |          | Code   | Type               |                  |
| C41963-1X     | 09/22/15  | 10:30 DK | 09/25/15 | AQ     | Ground Water       | LB-MW1-092215    |
| C41963-2X     | 09/22/15  | 12:05 DK | 09/25/15 | AQ     | Ground Water       | LB-MW2-092215    |
| C41963-3X     | 09/22/15  | 13:48 DK | 09/25/15 | AQ     | Ground Water       | LB-MW3-092215    |
| C41963-4X     | 09/22/15  | 13:50 DK | 09/25/15 | AQ     | Ground Water       | LB-MW3-092215D   |
| C41963-5X     | 09/23/15  | 16:55 DK | 09/25/15 | AQ     | Ground Water       | LB-MW4-092315    |
| C41963-6X     | 09/23/15  | 13:45 DK | 09/25/15 | AQ     | Ground Water       | LB-MW5-092315    |
| C41963-7DX    | 09/23/15  | 10:55 DK | 09/25/15 | AQ     | Water Dup/MSD      | LB-MW7-092315    |
| C41963-7SX    | 09/23/15  | 10:55 DK | 09/25/15 | AQ     | Water Matrix Spike | LB-MW7-092315    |
| C41963-7X     | 09/23/15  | 10:55 DK | 09/25/15 | AQ     | Ground Water       | LB-MW7-092315    |
| C41963-8X     | 09/21/15  | 15:40 DK | 09/25/15 | AQ     | Ground Water       | LB-SW1-092115    |
| C41963-9X     | 09/21/15  | 15:10 DK | 09/25/15 | AQ     | Ground Water       | LB-SW2-092115    |
| C41963-10X    | 09/23/15  | 18:00 DK | 09/25/15 | AQ     | Equipment Blank    | LB-EB1-092315    |

Subcontract Lab Data

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Report of Analysis

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Summit Environmental Technologies, Inc.  
3310 Win St.  
Cuyahoga Falls, Ohio 44223  
TEL: (330) 253-8211 FAX: (330) 253-4489  
Website: <http://www.settek.com>

October 19, 2015

Elvin  
Accutest Laboratories  
2105 Lundy Avenue  
San Jose, CA 95131  
TEL: (408) 588-0200  
FAX: (408) 588-0201  
RE: WESTAZT8135

Dear Elvin:

Order No.: 15092316

Summit Environmental Technologies, Inc. received 12 sample(s) on 9/29/2015 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Cecilia Markovich  
Technical Director  
3310 Win St.  
Cuyahoga Falls, Ohio 44223

A2LA 0724.01, Alabama 41600, Arizona AZ0788, Arkansas 88-0735, California 07256CA, Colorado, Connecticut PH-0105, Delaware, Florida NELAC E87688, Georgia E87688 and 943, Idaho OH00923, Illinois 200061 and Reg.5, Indiana C-OH-13, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Louisiana 04061 and LA12004, Maine 2012015, Maryland 339, Massachusetts M-OPH923, Minnesota 409711, Montana CERT0099, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, Ohio Drinking Water 4170, Ohio VAP CL0052, Oklahoma 9940, Oregon OH200001, Rhode Island LA000317, South Carolina 92016001, Tennessee TN04018, Texas T104704466-11-5, Region 8 8TMS-L, USDA/APHIS P330-11-00244, Utah OH009232011-1, Vermont VT-87688, Virginia 00440 and 1581, Washington C891, West Virginia 248 and 9957C and E87688, Wisconsin 399013010



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## Case Narrative

WO#: 15092316  
Date: 10/19/2015

---

**CLIENT:** Accutest Laboratories  
**Project:** WESTAZT8135

---

This report in its entirety consists of the documents listed below. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Paginated Report including Cover Letter, Case Narrative, Analytical Results, Applicable Quality Control Summary Reports, and copies of the Chain of Custody Documents are supplied with this sample set.

Concentrations reported with a J-Flag in the Qualifier Field are values below the Limit of Quantitation (LOQ) but greater than the established Method Detection Limit (MDL).

Method numbers, unless specified as SM (Standard Methods) or ASTM, are EPA methods.

Estimated uncertainty values are available upon request.

Analysis performed by DBM, VRM, or SFG were performed at Summit Labs 2704 Eatonton Highway Haddock, GA 31033

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

This report is believed to meet all of the requirements of NELAC or the accrediting / certifying agency. Any comments or problems with the analytical events associated with this report are noted below. Analytical Comments for Radium-228\_DW(904.0), Sample 15092316-007aMSD, Batch ID 16240 : The Radium-228 MS and MSD (Batch R44458) exhibited high RPD.

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Summit Environmental Technologies, Inc.  
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## Case Narrative

WO#: 15092316

Date: 10/19/2015

---

**CLIENT:** Accutest Laboratories

**Project:** WESTAZT8135

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Analytical Comments for Radium-228\_DW(904.0), Sample lcsdup, Batch ID R44458 : The Radium-228 LCSD (Batch R44458) exhibited poor recovery; The LCS and LCSD exhibited high RPD.

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These commonly used Qualifiers and Acronyms may or may not be present in this report.

### Qualifiers

|              |                                                                                                                     |
|--------------|---------------------------------------------------------------------------------------------------------------------|
| <b>U</b>     | The compound was analyzed for but was not detected.                                                                 |
| <b>J</b>     | The reported value is greater than the Method Detection Limit but less than the Reporting Limit.                    |
| <b>H</b>     | The hold time for sample preparation and/or analysis was exceeded.                                                  |
| <b>D</b>     | The result is reported from a dilution.                                                                             |
| <b>E</b>     | The result exceeded the linear range of the calibration or is estimated due to interference.                        |
| <b>MC</b>    | The result is below the Minimum Compound Limit.                                                                     |
| <b>*</b>     | The result exceeds the Regulatory Limit or Maximum Contamination Limit.                                             |
| <b>m</b>     | Manual integration was used to determine the area response.                                                         |
| <b>N</b>     | The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.                          |
| <b>P</b>     | The second column confirmation exceeded 25% difference.                                                             |
| <b>C</b>     | The result has been confirmed by GC/MS.                                                                             |
| <b>X</b>     | The result was not confirmed when GC/MS Analysis was performed.                                                     |
| <b>B/MB+</b> | The analyte was detected in the associated blank.                                                                   |
| <b>G</b>     | The ICB or CCB contained reportable amounts of analyte.                                                             |
| <b>QC-/+</b> | The CCV recovery failed low (-) or high (+).                                                                        |
| <b>R/QDR</b> | The RPD was outside of accepted recovery limits.                                                                    |
| <b>QL-/+</b> | The LCS or LCSD recovery failed low (-) or high (+).                                                                |
| <b>QLR</b>   | The LCS/LCSD RPD was outside of accepted recovery limits.                                                           |
| <b>QM-/+</b> | The MS or MSD recovery failed low (-) or high (+).                                                                  |
| <b>QMR</b>   | The MS/MSD RPD was outside of accepted recovery limits.                                                             |
| <b>QV-/+</b> | The ICV recovery failed low (-) or high (+).                                                                        |
| <b>S</b>     | The spike result was outside of accepted recovery limits.                                                           |
| <b>Z</b>     | Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information |

### Acronyms

|             |                                     |               |                                      |
|-------------|-------------------------------------|---------------|--------------------------------------|
| <b>ND</b>   | Not Detected                        | <b>RL</b>     | Reporting Limit                      |
| <b>QC</b>   | Quality Control                     | <b>MDL</b>    | Method Detection Limit               |
| <b>MB</b>   | Method Blank                        | <b>LOD</b>    | Level of Detection                   |
| <b>LCS</b>  | Laboratory Control Sample           | <b>LOQ</b>    | Level of Quantitation                |
| <b>LCSD</b> | Laboratory Control Sample Duplicate | <b>PQL</b>    | Practical Quantitation Limit         |
| <b>QCS</b>  | Quality Control Sample              | <b>CRQL</b>   | Contract Required Quantitation Limit |
| <b>DUP</b>  | Duplicate                           | <b>PL</b>     | Permit Limit                         |
| <b>MS</b>   | Matrix Spike                        | <b>RegLvl</b> | Regulatory Limit                     |
| <b>MSD</b>  | Matrix Spike Duplicate              | <b>MCL</b>    | Maximum Contamination Limit          |
| <b>RPD</b>  | Relative Percent Different          | <b>MinCL</b>  | Minimum Compound Limit               |
| <b>ICV</b>  | Initial Calibration Verification    | <b>RA</b>     | Reanalysis                           |
| <b>ICB</b>  | Initial Calibration Blank           | <b>RE</b>     | Reextraction                         |
| <b>CCV</b>  | Continuing Calibration Verification | <b>TIC</b>    | Tentatively Identified Compound      |
| <b>CCB</b>  | Continuing Calibration Blank        | <b>RT</b>     | Retention Time                       |
| <b>RLC</b>  | Reporting Limit Check               | <b>CF</b>     | Calibration Factor                   |
| <b>DF</b>   | Dilution Factor                     | <b>RF</b>     | Response Factor                      |

**This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.**

Original

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Summit Environmental Technologies, Inc.  
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TEL: (330) 253-8211 FAX: (330) 253-4489  
Website: <http://www.settek.com>

## Workorder Sample Summary

WO#: 15092316  
19-Oct-15

**CLIENT:** Accutest Laboratories  
**Project:** WESTAZT8135

| Lab SampleID | Client Sample ID           | Tag No | Date Collected        | Date Received        | Matrix |
|--------------|----------------------------|--------|-----------------------|----------------------|--------|
| 15092316-001 | C41963-1 LB-MW1-092215     |        | 9/22/2015 12:30:00 PM | 9/29/2015 9:35:00 AM | Liquid |
| 15092316-002 | C41963-2 LB-MW2-092215     |        | 9/22/2015 2:05:00 PM  | 9/29/2015 9:35:00 AM | Liquid |
| 15092316-003 | C41963-3 LB-MW3-092215     |        | 9/22/2015 3:48:00 PM  | 9/29/2015 9:35:00 AM | Liquid |
| 15092316-004 | C41963-4 LB-MW3-092215D    |        | 9/22/2015 3:50:00 PM  | 9/29/2015 9:35:00 AM | Liquid |
| 15092316-005 | C41963-5 LB-MW4-092215     |        | 9/23/2015 6:55:00 PM  | 9/29/2015 9:35:00 AM | Liquid |
| 15092316-006 | C41963-6 LB-MW5-092215     |        | 9/23/2015 3:45:00 PM  | 9/29/2015 9:35:00 AM | Liquid |
| 15092316-007 | C41963-7 LB-MW7-092215     |        | 9/23/2015 12:55:00 PM | 9/29/2015 9:35:00 AM | Liquid |
| 15092316-008 | C41963-7 LB-MW7-092215 MS  |        | 9/23/2015 12:55:00 PM | 9/29/2015 9:35:00 AM | Liquid |
| 15092316-009 | C41963-7 LB-MW7-092215 MSD |        | 9/23/2015 12:55:00 PM | 9/29/2015 9:35:00 AM | Liquid |
| 15092316-010 | C41963-8 LB-SW1-092215     |        | 9/21/2015 5:40:00 PM  | 9/29/2015 9:35:00 AM | Liquid |
| 15092316-011 | C41963-9 LB-SW2-092215     |        | 9/21/2015 5:10:00 PM  | 9/29/2015 9:35:00 AM | Liquid |
| 15092316-012 | C41963-10 LB-EB1-092215    |        | 9/23/2015 8:00:00 PM  | 9/29/2015 9:35:00 AM | Liquid |



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# Analytical Report

(consolidated)  
 WO#: 15092316  
 Date Reported: 10/19/2015

**CLIENT:** Accutest Laboratories **Collection Date:** 9/22/2015 12:30:00 PM  
**Project:** WESTAZT8135  
**Lab ID:** 15092316-001 **Matrix:** LIQUID  
**Client Sample ID** C41963-1 LB-MW1-092215

| Analyses                                                                            | Result | RL   | Qual | Units                        | Uncertainty | DF           | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|------------------------------|-------------|--------------|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      | <b>MBDRA226RA22 E903-904</b> |             | Analyst: BRD |                      |
| Radium-226/Radium-228 Combined                                                      | ND     | 1.00 |      | pCi/L                        | ± 0.58      | 1            | 10/5/2015            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      | <b>E903.0</b>                |             | Analyst: BRD |                      |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.1       | 1            | 10/5/2015 9:38:00 AM |
| Yield                                                                               | 2.00   |      |      |                              |             | 1            | 10/5/2015 9:38:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      | <b>E904.0 E903-904</b>       |             | Analyst: BRD |                      |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.48      | 1            | 10/2/2015 2:21:00 PM |
| Yield                                                                               | 1.00   |      |      |                              |             | 1            | 10/2/2015 2:21:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 15092316  
 Date Reported: 10/19/2015

**CLIENT:** Accutest Laboratories **Collection Date:** 9/22/2015 2:05:00 PM  
**Project:** WESTAZT8135  
**Lab ID:** 15092316-002 **Matrix:** LIQUID  
**Client Sample ID** C41963-2 LB-MW2-092215

| Analyses                                                                            | Result | RL   | Qual | Units                        | Uncertainty | DF           | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|------------------------------|-------------|--------------|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      | <b>MBDRA226RA22 E903-904</b> |             | Analyst: BRD |                      |
| Radium-226/Radium-228 Combined                                                      | ND     | 1.00 |      | pCi/L                        | ± 0.61      | 1            | 10/5/2015            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      | <b>E903.0</b>                |             | Analyst: BRD |                      |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.12      | 1            | 10/5/2015 9:36:00 AM |
| Yield                                                                               | 2.00   |      |      |                              |             | 1            | 10/5/2015 9:36:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      | <b>E904.0 E903-904</b>       |             | Analyst: BRD |                      |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.49      | 1            | 10/2/2015 2:22:00 PM |
| Yield                                                                               | 1.00   |      |      |                              |             | 1            | 10/2/2015 2:22:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 15092316  
 Date Reported: 10/19/2015

**CLIENT:** Accutest Laboratories **Collection Date:** 9/22/2015 3:48:00 PM  
**Project:** WESTAZT8135  
**Lab ID:** 15092316-003 **Matrix:** LIQUID  
**Client Sample ID** C41963-3 LB-MW3-092215

| Analyses                                                                            | Result | RL   | Qual | Units                        | Uncertainty | DF           | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|------------------------------|-------------|--------------|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      | <b>MBDRA226RA22 E903-904</b> |             | Analyst: BRD |                      |
| Radium-226/Radium-228 Combined                                                      | ND     | 1.00 |      | pCi/L                        | ± 0.72      | 1            | 10/5/2015            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      | <b>E903.0</b>                |             | Analyst: BRD |                      |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.17      | 1            | 10/5/2015 9:36:00 AM |
| Yield                                                                               | 2.00   |      |      |                              |             | 1            | 10/5/2015 9:36:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      | <b>E904.0 E903-904</b>       |             | Analyst: BRD |                      |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.55      | 1            | 10/2/2015 2:22:00 PM |
| Yield                                                                               | 1.00   |      |      |                              |             | 1            | 10/2/2015 2:22:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 15092316  
 Date Reported: 10/19/2015

**CLIENT:** Accutest Laboratories **Collection Date:** 9/22/2015 3:50:00 PM  
**Project:** WESTAZT8135  
**Lab ID:** 15092316-004 **Matrix:** LIQUID  
**Client Sample ID** C41963-4 LB-MW3-092215D

| Analyses                                                                            | Result | RL   | Qual | Units | Uncertainty | DF | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|-------|-------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      |       |             |    |                      |
|                                                                                     |        |      |      |       |             |    | Analyst: BRD         |
| Radium-226/Radium-228 Combined                                                      | 1.51   | 1.00 |      | pCi/L | ± 0.86      | 1  | 10/5/2015            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      |       |             |    | Analyst: BRD         |
|                                                                                     |        |      |      |       |             |    |                      |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L | ± 0.15      | 1  | 10/5/2015 9:36:00 AM |
| Yield                                                                               | 2.00   |      |      |       |             | 1  | 10/5/2015 9:36:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      |       |             |    | Analyst: BRD         |
|                                                                                     |        |      |      |       |             |    |                      |
| Radium-228                                                                          | 1.16   | 1.00 |      | pCi/L | ± 0.71      | 1  | 10/2/2015 2:22:00 PM |
| Yield                                                                               | 1.00   |      |      |       |             | 1  | 10/2/2015 2:22:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 15092316  
 Date Reported: 10/19/2015

**CLIENT:** Accutest Laboratories **Collection Date:** 9/23/2015 6:55:00 PM  
**Project:** WESTAZT8135  
**Lab ID:** 15092316-005 **Matrix:** LIQUID  
**Client Sample ID** C41963-5 LB-MW4-092215

| Analyses                                                                            | Result | RL   | Qual | Units                        | Uncertainty | DF           | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|------------------------------|-------------|--------------|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      | <b>MBDRA226RA22 E903-904</b> |             | Analyst: BRD |                      |
| Radium-226/Radium-228 Combined                                                      | ND     | 1.00 |      | pCi/L                        | ± 0.6       | 1            | 10/5/2015            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      | <b>E903.0</b>                |             | Analyst: BRD |                      |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.16      | 1            | 10/5/2015 9:37:00 AM |
| Yield                                                                               | 2.00   |      |      |                              |             | 1            | 10/5/2015 9:37:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      | <b>E904.0 E903-904</b>       |             | Analyst: BRD |                      |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.44      | 1            | 10/2/2015 2:22:00 PM |
| Yield                                                                               | 1.00   |      |      |                              |             | 1            | 10/2/2015 2:22:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 15092316  
 Date Reported: 10/19/2015

**CLIENT:** Accutest Laboratories **Collection Date:** 9/23/2015 3:45:00 PM  
**Project:** WESTAZT8135  
**Lab ID:** 15092316-006 **Matrix:** LIQUID  
**Client Sample ID** C41963-6 LB-MW5-092215

| Analyses                                                                            | Result | RL   | Qual | Units | Uncertainty   | DF              | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|-------|---------------|-----------------|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      |       |               |                 |                      |
| Radium-226/Radium-228 Combined                                                      | ND     | 1.00 |      | pCi/L | ± 0.75        | 1               | 10/5/2015            |
|                                                                                     |        |      |      |       |               |                 | Analyst: BRD         |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      |       | <b>E903.0</b> |                 | Analyst: BRD         |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L | ± 0.19        | 1               | 10/5/2015 9:37:00 AM |
| Yield                                                                               | 2.00   |      |      |       |               | 1               | 10/5/2015 9:37:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      |       | <b>E904.0</b> | <b>E903-904</b> | Analyst: BRD         |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L | ± 0.56        | 1               | 10/2/2015 2:22:00 PM |
| Yield                                                                               | 1.00   |      |      |       |               | 1               | 10/2/2015 2:22:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 15092316  
 Date Reported: 10/19/2015

2

**CLIENT:** Accutest Laboratories **Collection Date:** 9/23/2015 12:55:00 PM  
**Project:** WESTAZT8135  
**Lab ID:** 15092316-007 **Matrix:** LIQUID  
**Client Sample ID** C41963-7 LB-MW7-092215

| Analyses                                                                            | Result | RL   | Qual | Units                        | Uncertainty | DF           | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|------------------------------|-------------|--------------|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      | <b>MBDRA226RA22 E903-904</b> |             | Analyst: BRD |                      |
| Radium-226/Radium-228 Combined                                                      | ND     | 1.00 |      | pCi/L                        | ± 0.54      | 1            | 10/5/2015            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      | <b>E903.0</b>                |             | Analyst: BRD |                      |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.21      | 1            | 10/5/2015 9:38:00 AM |
| Yield                                                                               | 2.00   |      |      |                              |             | 1            | 10/5/2015 9:38:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      | <b>E904.0 E903-904</b>       |             | Analyst: BRD |                      |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.33      | 1            | 10/2/2015 2:21:00 PM |
| Yield                                                                               | 1.00   |      |      |                              |             | 1            | 10/2/2015 2:21:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 15092316  
 Date Reported: 10/19/2015

**CLIENT:** Accutest Laboratories **Collection Date:** 9/23/2015 12:55:00 PM  
**Project:** WESTAZT8135  
**Lab ID:** 15092316-008 **Matrix:** LIQUID  
**Client Sample ID** C41963-7 LB-MW7-092215 MS

| Analyses | Result | RL | Qual | Units | Uncertainty | DF | Date Analyzed |
|----------|--------|----|------|-------|-------------|----|---------------|
|----------|--------|----|------|-------|-------------|----|---------------|

|                                                       |      |      |    |                              |  |              |           |
|-------------------------------------------------------|------|------|----|------------------------------|--|--------------|-----------|
| <b>COMBINEDRADIUM226/228-NPW</b>                      |      |      |    | <b>MBDRA226RA22 E903-904</b> |  | Analyst: BRD |           |
| <b>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |      |      |    |                              |  |              |           |
| Radium-226                                            | 5.53 | 1.00 | S* | pCi/L                        |  | 1            | 10/5/2015 |
| Radium-228                                            | 3.68 | 1.00 | S  | pCi/L                        |  | 1            | 10/5/2015 |

|                    |                                                      |                                                      |
|--------------------|------------------------------------------------------|------------------------------------------------------|
| <b>Qualifiers:</b> | * Value exceeds Maximum Contaminant Level.           | E Value above quantitation range                     |
|                    | H Holding times for preparation or analysis exceeded | M Manual Integration used to determine area response |
|                    | MC Value is below Minimum Compound Limit.            | N Tentatively identified compounds                   |
|                    | ND Not Detected at the Reporting Limit               | O RSD is greater than RSDlimit                       |
|                    | P Second column confirmation exceeds                 | PL Permit Limit                                      |



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# Analytical Report

(consolidated)  
 WO#: 15092316  
 Date Reported: 10/19/2015

**CLIENT:** Accutest Laboratories **Collection Date:** 9/23/2015 12:55:00 PM  
**Project:** WESTAZT8135  
**Lab ID:** 15092316-009 **Matrix:** LIQUID  
**Client Sample ID** C41963-7 LB-MW7-092215 MSD

| Analyses                                              | Result | RL   | Qual | Units                        | Uncertainty | DF           | Date Analyzed |
|-------------------------------------------------------|--------|------|------|------------------------------|-------------|--------------|---------------|
| <b>COMBINEDRADIUM226/228-NPW</b>                      |        |      |      | <b>MBDRA226RA22 E903-904</b> |             | Analyst: BRD |               |
| <b>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      |                              |             |              |               |
| Radium-226                                            | 4.96   | 1.00 | S    | pCi/L                        |             | 1            | 10/5/2015     |
| Radium-228                                            | 4.59   | 1.00 | S    | pCi/L                        |             | 1            | 10/5/2015     |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
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| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
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# Analytical Report

(consolidated)  
 WO#: 15092316  
 Date Reported: 10/19/2015

**CLIENT:** Accutest Laboratories **Collection Date:** 9/21/2015 5:40:00 PM  
**Project:** WESTAZT8135  
**Lab ID:** 15092316-010 **Matrix:** LIQUID  
**Client Sample ID** C41963-8 LB-SW1-092215

| Analyses                                                                            | Result | RL   | Qual | Units | Uncertainty | DF | Date Analyzed         |
|-------------------------------------------------------------------------------------|--------|------|------|-------|-------------|----|-----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      |       |             |    |                       |
| Radium-226/Radium-228 Combined                                                      | ND     | 1.00 |      | pCi/L | ± 0.63      | 1  | 10/5/2015             |
|                                                                                     |        |      |      |       |             |    | Analyst: BRD          |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      |       |             |    |                       |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L | ± 0.12      | 1  | 10/5/2015 10:18:00 AM |
| Yield                                                                               | 2.00   |      |      |       |             | 1  | 10/5/2015 10:18:00 AM |
|                                                                                     |        |      |      |       |             |    | Analyst: BRD          |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      |       |             |    |                       |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L | ± 0.51      | 1  | 10/2/2015 3:22:00 PM  |
| Yield                                                                               | 1.00   |      |      |       |             | 1  | 10/2/2015 3:22:00 PM  |
|                                                                                     |        |      |      |       |             |    | Analyst: BRD          |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 15092316  
 Date Reported: 10/19/2015

**CLIENT:** Accutest Laboratories **Collection Date:** 9/21/2015 5:10:00 PM  
**Project:** WESTAZT8135  
**Lab ID:** 15092316-011 **Matrix:** LIQUID  
**Client Sample ID** C41963-9 LB-SW2-092215

| Analyses                                                                            | Result | RL   | Qual | Units | Uncertainty   | DF              | Date Analyzed         |
|-------------------------------------------------------------------------------------|--------|------|------|-------|---------------|-----------------|-----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      |       |               |                 | Analyst: BRD          |
| Radium-226/Radium-228 Combined                                                      | ND     | 1.00 |      | pCi/L | ± 0.54        | 1               | 10/5/2015             |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      |       | <b>E903.0</b> |                 | Analyst: BRD          |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L | ± 0.11        | 1               | 10/5/2015 10:18:00 AM |
| Yield                                                                               | 2.00   |      |      |       |               | 1               | 10/5/2015 10:18:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      |       | <b>E904.0</b> | <b>E903-904</b> | Analyst: BRD          |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L | ± 0.43        | 1               | 10/2/2015 3:18:00 PM  |
| Yield                                                                               | 1.00   |      |      |       |               | 1               | 10/2/2015 3:18:00 PM  |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
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# Analytical Report

(consolidated)  
 WO#: 15092316  
 Date Reported: 10/19/2015

**CLIENT:** Accutest Laboratories **Collection Date:** 9/23/2015 8:00:00 PM  
**Project:** WESTAZT8135  
**Lab ID:** 15092316-012 **Matrix:** LIQUID  
**Client Sample ID** C41963-10 LB-EB1-092215

| Analyses                                                                            | Result | RL   | Qual | Units                        | Uncertainty | DF           | Date Analyzed         |
|-------------------------------------------------------------------------------------|--------|------|------|------------------------------|-------------|--------------|-----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      | <b>MBDRA226RA22 E903-904</b> |             | Analyst: BRD |                       |
| Radium-226/Radium-228 Combined                                                      | ND     | 1.00 |      | pCi/L                        | ± 0.52      | 1            | 10/5/2015             |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      | <b>E903.0</b>                |             | Analyst: BRD |                       |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.09      | 1            | 10/5/2015 10:18:00 AM |
| Yield                                                                               | 2.00   |      |      |                              |             | 1            | 10/5/2015 10:18:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      | <b>E904.0 E903-904</b>       |             | Analyst: BRD |                       |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.43      | 1            | 10/2/2015 3:18:00 PM  |
| Yield                                                                               | 1.00   |      |      |                              |             | 1            | 10/2/2015 3:18:00 PM  |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



Accutest ID and PO#: C41963  
 2105 Lundy Avenue, San Jose, CA 95131 Phone : (408)588-0200 Fax: (408)588-0201

## Subcontract Chain of Custody

**Subcontract Lab:** Summit Environmental Technologies, Inc.  
**Date Sent:** 09/28/15  
**Date Due:** Standard Turnaround

15092316-001012  
CSL

**Project Name:** WESTAZT8135 (C41963)  
**Project Location:**

| Accutest Lab Number  | Customer Sample Name/Field Point ID | Matrix          | Method                                                   | Collect Date | Collect Time |
|----------------------|-------------------------------------|-----------------|----------------------------------------------------------|--------------|--------------|
| C41963-1             | LB-MW1-092215                       | GW              | Combined RA-226 & RA-228<br>*EPA 900 Series*             | 09/22/15     | 10:30        |
| C41963-2             | LB-MW2-092215                       | GW              | Combined RA-226 & RA-228<br>*EPA 900 Series*             | 09/22/15     | 12:05        |
| C41963-3             | LB-MW3-092215                       | GW              | Combined RA-226 & RA-228<br>*EPA 900 Series*             | 09/22/15     | 13:48        |
| C41963-4             | LB-MW3-092215D                      | GW              | Combined RA-226 & RA-228<br>*EPA 900 Series*             | 09/22/15     | 13:50        |
| C41963-5             | LB-MW4-092315                       | GW              | Combined RA-226 & RA-228<br>*EPA 900 Series*             | 09/23/15     | 16:55        |
| C41963-6             | LB-MW5-092315                       | GW              | Combined RA-226 & RA-228<br>*EPA 900 Series*             | 09/23/15     | 13:45        |
| C41963-7<br>*MS/MSD* | LB-MW7-092315                       | GW              | Combined RA-226 & RA-228<br>*EPA 900 Series*<br>(MS/MSD) | 09/23/15     | 10:55        |
| C41963-8             | LB-SW1-092115                       | GW              | Combined RA-226 & RA-228<br>*EPA 900 Series*             | 09/21/15     | 15:40        |
| C41963-9             | LB-SW2-092115                       | GW              | Combined RA-226 & RA-228<br>*EPA 900 Series*             | 09/21/15     | 15:10        |
| C41963-10            | LB-EB1-092315                       | Equipment Blank | Combined RA-226 & RA-228<br>*EPA 900 Series*             | 09/23/15     | 18:00        |

\*Run MS/MSD for sample C41963-7 (LB-MW7-092315), Extra Volume provided for MS/MSD  
 \*\*1-Gallon Container provided with Nitric Acid preservative

**Comments:** Samples are from "New Mexico" (Ground water Samples)

|                                      |                                     |                |             |
|--------------------------------------|-------------------------------------|----------------|-------------|
| Relinquished By:<br><i>Lee Bauer</i> | Received By: FedEx<br><i>PEP BX</i> | Date: 09/28/15 | Time: 15:00 |
| Relinquished By: FedEx               | Received By:<br><i>Summit</i>       | Date: 9.29.15  | Time: 0935  |
| Relinquished By:                     | Received By:                        | Date:          | Time:       |

**Send Report to: [elvink@accutest.com](mailto:elvink@accutest.com)**

Summit Environmental Technologies, Inc.  
Cooler Receipt Form

Client: AccuTest Initials of person inspecting cooler and samples: FC  
 Date Received: 9.29.15 Time Received: 0935 Order Number: 15092316  
 Number of Coolers/Boxes: 3 Date cooler(s) opened and samples inspected: 9.29.15

Shipper: FED EX UPS DHL Airborne US Postal Walk-in Pickup Other: \_\_\_\_\_  
 Packaging: \_\_\_\_\_

Tape on cooler/box: \_\_\_\_\_  
 Custody Seals intact \_\_\_\_\_  
 C-O-C in plastic \_\_\_\_\_  
 Ice  Blue Ice \_\_\_\_\_

|                    |                  |       |            |                           |                    |
|--------------------|------------------|-------|------------|---------------------------|--------------------|
| Peanuts            | Bubble Wrap      | Paper | Foam       | None                      | Other              |
|                    | <u>Y</u>         |       |            | N                         | <u>PLASTIC BAG</u> |
|                    |                  |       |            |                           | N/A                |
|                    | <u>Y</u>         |       |            | N                         | N/A                |
|                    | <u>Y</u>         |       |            | N                         | N/A                |
|                    |                  |       |            | present / absent / melted | N/A                |
| Sample Temperature | IR Gun #16020459 | CF    | <u>0.0</u> | <u>38</u>                 | °C                 |
|                    |                  |       |            |                           | N/A                |

Radiological Testing Instrument serial #3512Z  
 (see page 2 for scan results)

\*\*Use 1 sheet per sample for Radiological Testing. If sample is HOT, the Radiological Safety Officer must be notified immediately.

|                           |          |   |     |
|---------------------------|----------|---|-----|
| C-O-C filled out properly | <u>Y</u> | N | N/A |
| Samples in separate bags  | <u>Y</u> | N | N/A |
| Sample containers intact* | <u>Y</u> | N | N/A |

\*If no, list broken sample(s): \_\_\_\_\_

|                                           |          |   |            |
|-------------------------------------------|----------|---|------------|
| Sample label(s) complete (ID, date, etc.) | <u>Y</u> | N | N/A        |
| Label(s) agree with C-O-C                 | <u>Y</u> | N | N/A        |
| Correct containers used                   | <u>Y</u> | N | N/A        |
| Sufficient sample received                | <u>Y</u> | N | N/A        |
| Samples received within holding time      | <u>Y</u> | N | N/A        |
| Bubbles absent from 40 mL vials**         | <u>Y</u> | N | <u>N/A</u> |

\*\* Samples with bubbles <6mm are acceptable. Indicate bubble size if >6mm. \_\_\_\_\_

Was client contacted about samples Y N

Will client send new samples Y N

Client contact: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Logged in by: \_\_\_\_\_

Comments: \_\_\_\_\_

### Summit Environmental Technologies, Inc. Sample Receipt

**pH and Chlorine test on samples**

**Radiological scan on sample**

pH strip SET (0-14) OES-01-0207 pH strip (2.8-4.8) SET# OES-01-0149  
 Total DPD packet SET# \_\_\_\_\_ Free DPD packet SET# \_\_\_\_\_  
 Dep. Plastic SET# WC-03-0510

| ID       | Method  | pH | Chlorine (±) | Comments |
|----------|---------|----|--------------|----------|
| CA1963-1 | EPA920  | <2 |              |          |
| CA1963-2 |         |    |              |          |
| CA1963-3 |         |    |              |          |
| CA1963-4 |         |    |              |          |
| CA1963-5 |         |    |              |          |
| CA1963-6 |         |    |              |          |
| CA1963-7 |         |    |              |          |
| CA1963-8 |         |    |              |          |
| CA1963-9 | ✓       | ✓  |              |          |
| CA193-10 | EPA 920 | <2 |              |          |
|          |         |    |              |          |
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| ID        | scan | CPM |
|-----------|------|-----|
| CA1963-1  | ✓    | 28  |
| CA1963-2  | ✓    | 23  |
| CA1963-3  | ✓    | 36  |
| CA1963-4  | ✓    | 30  |
| CA1963-5  | ✓    | 20  |
| CA1963-6  | ✓    | 30  |
| CA1963-7  | ✓    | 28  |
| CA1963-8  | ✓    | 30  |
| CA1963-9  | ✓    | 16  |
| CA1963-10 | ✓    | 24  |
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P = Permanganate interference  
 504.1, 508, 515.1, 525.2, 547, 548.1, 549.1, 531.2, 1613 methods checked for Total chlorine  
 552.2 checked for Free chlorine  
 531.2 pH is checked for ~3.8 (SET# OES-01-0149)  
 524.2 = pH and Chlorine checked at bench and not log in department

## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody



PHOENIX

CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131  
(408) 588-0200 FAX: (408) 588-0201

EDF-EX Tracking # 781389716315  
Accutest Quote #  
Bottle Order Control #  
Accutest NC # 61963

Client / Reporting Information: Weston Solutions  
Project Information: La Bajada GW Sampling  
Address: 960 West Elliot Road #101, Tempe AZ 85284  
City: Santo Domingo Pueblo, State: New Mexico  
Project Contact: Barb Wethington, Phone: 480-477-4911, Email: b.wethington@westonsolutions.com  
Sampler's Name: D. Kenyon / G. Roussos

Table with columns: Sample ID, Sample ID / Field Point / Point of Collection, Date, Time, Sampled by, Matrix, # of bottles, and various analysis parameters (Pb, Cd, Cr, Ni, etc.). Rows 1 and 2 are filled with sample data.

Turnaround Time (Business days): 10 Day (checked)  
Data Deliverable Information: Commercial "A" - Results only (checked)  
Comments / Remarks: Metals consist of Al, Sb, Ar, Ba, Be, Bi, Cd, Ca, Cr, Co, Cu, Hg, Mn, Mo, Ni, K, Ag, Na, Sr, Th, V, U, Zn. Metals Field Filtration - Report as dissolved metals.

Sample Custody must be documented below each time samples change possession, including courier delivery.  
1. Relinquished by: Debbie Kay, Date/Time: 09/24/15 0800, Received By: Fed-Ex  
2. Relinquished by: Fed-Ex, Date/Time: 9/25/15 9:45, Received By: Ali  
3. Relinquished by: [blank], Date/Time: [blank], Received By: [blank]  
4. Relinquished by: [blank], Date/Time: [blank], Received By: [blank]  
5. Relinquished by: [blank], Date/Time: [blank], Received By: [blank]

Intact 600 lers 1.9/2.6/3.1/2.5/1.6/3.1

31  
3



CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131  
 (408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking # **8076 0436 0193** Bottle Order Control #  
 Accutest Quote # **C41963** Accutest NC Job #: C

| Client / Reporting Information                              |                                               | Project Information                                  |      |            |        |                             |    |    |     |     |     | Requested Analysis |     | Matrix Codes                                                                                                                                                 |     |      |              |     |   |   |   |   |   |  |  |
|-------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------|------|------------|--------|-----------------------------|----|----|-----|-----|-----|--------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|--------------|-----|---|---|---|---|---|--|--|
| Company Name<br><b>Weston Solutions</b>                     |                                               | Project Name<br><b>La Bajada CW Sampling</b>         |      |            |        |                             |    |    |     |     |     |                    |     | WW Wastewater<br>GW Ground Water<br>SW Surface Water<br>SO Soil<br>DI-Cl<br>WP Wipe<br>LIQ Non-aqueous Liquid<br>AIR<br>BW Drinking Water (Perchlorate Only) |     |      |              |     |   |   |   |   |   |  |  |
| Address<br><b>960 West Elliot Road #101</b>                 |                                               | Street<br><b>Santo Domingo Pueblo</b>                |      |            |        |                             |    |    |     |     |     |                    |     |                                                                                                                                                              |     |      |              |     |   |   |   |   |   |  |  |
| City<br><b>Tempe</b> State<br><b>AZ</b> Zip<br><b>85284</b> |                                               | City<br><b>New Mexico</b> State                      |      |            |        |                             |    |    |     |     |     |                    |     |                                                                                                                                                              |     |      |              |     |   |   |   |   |   |  |  |
| Project Contact<br><b>Barb Wethers-ton</b>                  |                                               | Project #<br><b>12767.201.001.0020</b>               |      |            |        |                             |    |    |     |     |     |                    |     |                                                                                                                                                              |     |      |              |     |   |   |   |   |   |  |  |
| Phone #<br><b>480-477-4911</b>                              |                                               | EMAIL<br><b>barb.wethers-ton@westonsolutions.com</b> |      |            |        |                             |    |    |     |     |     |                    |     |                                                                                                                                                              |     |      |              |     |   |   |   |   |   |  |  |
| Samples Name<br><b>D. Kenyon / G. Roussos</b>               |                                               | Client Purchase Order #                              |      |            |        |                             |    |    |     |     |     |                    |     |                                                                                                                                                              |     |      |              |     |   |   |   |   |   |  |  |
| Accutest Sample ID                                          | Sample ID / Field Point / Point of Collection | Collection                                           |      |            |        | Number of preserved Bottles |    |    |     |     |     |                    |     |                                                                                                                                                              |     | DOSE | LAB USE ONLY |     |   |   |   |   |   |  |  |
|                                                             |                                               | Date                                                 | Time | Sampled by | Matrix | # of bottles                | GF | GC | MSD | MSD | MSD | MSD                | MSD | MSD                                                                                                                                                          | MSD |      |              | MSD |   |   |   |   |   |  |  |
| 3                                                           | LB-MW3-092215                                 | 9/22/15                                              | 1348 | DK         | GW     | 6                           |    | 3  | 2   | 1   |     |                    |     |                                                                                                                                                              |     |      | X            | X   | X | X | X | X | X |  |  |
| 4                                                           | LB-MW3-092215D                                | 9/22/15                                              | 1350 | DK         | GW     | 6                           |    | 3  | 2   | 1   |     |                    |     |                                                                                                                                                              |     |      | X            | X   | X | X | X | X | X |  |  |

*Vertical text on right side of table:* Dissolved Metals by EPA 200.7 S 200.8 Combined Ba-Zn & Ra-228 by EPA 9051.04 Total Dissolved Solids by SM 2540 Total Alkalinity (Carbonate / Bicarbonate Hydroxide Sulfate) Chloride / Sulfate by EPA 800.0 Nitrate + Nitrite / TKH SM 4500

Turnaround Time (business days):  10 Day  5 Day  3 Day  2 Day  1 Day  Same Day

Approved By / Date: \_\_\_\_\_

Data Deliverable Information:

- Commercial "A" - Results only
- Commercial "B" - Results with QC summaries
- Commercial "C" - Results, QC, and chromatograms
- FULL1 - Level 4 data package
- EDF for Geosites  EDF Facult
- Provide EDF Global ID: \_\_\_\_\_
- Provide EDF Logcode: \_\_\_\_\_

Comments / Remarks:  
 Metals consist of Al, Sb, Ar, Ba, Be, Bi, Cd, Ca, Cr, Co, Cu, Hg, Mn, Mo, Ni, K, Ag, Na, St, Th, V, U, Zn. Metals field filtered.  
 Report as dissolved metals. Check proposal for metals

Emergency T/A data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery.

|                                     |                                |                              |                                 |                                |                          |
|-------------------------------------|--------------------------------|------------------------------|---------------------------------|--------------------------------|--------------------------|
| Relinquished by: <b>1 Debbie Ky</b> | Date Time: <b>9/24/15 0800</b> | Received By: <b>1 Fed-Ex</b> | Relinquished By: <b>2 Fedex</b> | Date Time: <b>9/25/15 0945</b> | Received By: <b>2 A1</b> |
| Relinquished by:                    | Date Time:                     | Received By:                 | Relinquished By:                | Date Time:                     | Received By:             |
| Relinquished by:                    | Date Time:                     | Received By:                 | Relinquished By:                | Date Time:                     | Received By:             |
| Relinquished by:                    | Date Time:                     | Received By:                 | Relinquished By:                | Date Time:                     | Received By:             |

Country Serial # **Intert** Appropriate Bottle / Pres. Y/N Headspace Y/N On Ice  Coolers Temp.

Labels matrix Doc? Y / N Separate Receiving Check Lhs Used? Y / N



# PHOENIX

## CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131  
(408) 588-0200 FAX: (408) 588-0201

# ACCUTEST

  
LABORATORIES

#3 of 6

|                                        |                                  |
|----------------------------------------|----------------------------------|
| EDF Tracking #<br><b>18178934 6337</b> | Bottle Order Control #           |
| Accutest Quote #                       | Accutest NC Job #: <b>C41963</b> |

| Client / Reporting Information                                                                                                                                                                                          |                                               | Project Information                           |       |                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                                   |   |                                   |    |                              |    |                                                                                                                                                                     |    | Requested Analysis                                                                                                                                                                                                                                                |  |                                                                                                         |  |  | Matrix Codes                                                                                                                                                               |   |    |    |     |   |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------------------------|---|-----------------------------------|----|------------------------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----|----|-----|---|--|--|--|
| Company Name<br><b>Weston Solutions</b>                                                                                                                                                                                 |                                               | Project Name:<br><b>La Bajada GW Sampling</b> |       |                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                                   |   |                                   |    |                              |    |                                                                                                                                                                     |    | Dissolved Metals by EPA 200.7-200.9<br>Combined Pa-Zn EPA-228 by EPA 105.104<br>Total Dissolved Solids by SM 2040C<br>Total Alkalinity / Carbonate / Bicarbonate / Hydroxide SH 2220B<br>Total Dissolved Solids by EPA 300.0<br>Nitrate + Nitrite / TN by SM 4500 |  |                                                                                                         |  |  | WW - Wastewater<br>GW - Ground Water<br>SW - Surface Water<br>SO - Soil<br>D/G -<br>WP - Waste<br>LIQ - Nonaqueous Liquid<br>AIR -<br>BW - Drinking Water (PWS/State Gov.) |   |    |    |     |   |  |  |  |
| Address<br><b>960 West Elliot Road #101</b>                                                                                                                                                                             |                                               | Street<br><b>Santo Domingo Pueblo</b>         |       | City<br><b>New Mexico</b>                                                                                                                                                                                                                                                                                                                                                                                                       |        |                                   |   |                                   |    |                              |    |                                                                                                                                                                     |    |                                                                                                                                                                                                                                                                   |  |                                                                                                         |  |  | LAB USE ONLY                                                                                                                                                               |   |    |    |     |   |  |  |  |
| City State Zip<br><b>Tempe AZ 85284</b>                                                                                                                                                                                 |                                               | City State<br><b>New Mexico</b>               |       | Project #<br><b>12767, 201.001.0020</b>                                                                                                                                                                                                                                                                                                                                                                                         |        |                                   |   |                                   |    |                              |    |                                                                                                                                                                     |    |                                                                                                                                                                                                                                                                   |  |                                                                                                         |  |  |                                                                                                                                                                            |   |    |    |     |   |  |  |  |
| Project Contact:<br><b>Barb Wethington</b>                                                                                                                                                                              |                                               | Project #                                     |       | EMAIL:<br><b>b.wethington@westonsolutions.com</b>                                                                                                                                                                                                                                                                                                                                                                               |        |                                   |   |                                   |    |                              |    |                                                                                                                                                                     |    |                                                                                                                                                                                                                                                                   |  |                                                                                                         |  |  |                                                                                                                                                                            |   |    |    |     |   |  |  |  |
| Phone #<br><b>480-477-4911</b>                                                                                                                                                                                          |                                               | Client Purchase Order #                       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                                   |   |                                   |    |                              |    |                                                                                                                                                                     |    |                                                                                                                                                                                                                                                                   |  |                                                                                                         |  |  |                                                                                                                                                                            |   |    |    |     |   |  |  |  |
| Sampler's Name<br><b>D. Kinyon / G. Roussos</b>                                                                                                                                                                         |                                               |                                               |       |                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                                   |   |                                   |    |                              |    |                                                                                                                                                                     |    |                                                                                                                                                                                                                                                                   |  |                                                                                                         |  |  |                                                                                                                                                                            |   |    |    |     |   |  |  |  |
| Accutest Sample ID                                                                                                                                                                                                      | Sample ID / Field Point / Point of Collection | Collection                                    |       |                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                                   |   | Number of preserved Bottles       |    |                              |    |                                                                                                                                                                     |    |                                                                                                                                                                                                                                                                   |  |                                                                                                         |  |  |                                                                                                                                                                            |   |    |    |     |   |  |  |  |
|                                                                                                                                                                                                                         |                                               | Date                                          | Time  | Sampled by                                                                                                                                                                                                                                                                                                                                                                                                                      | Matrix | # of bottles                      | Q | Q2                                | Q3 | Q4                           | Q5 | Q6                                                                                                                                                                  | Q7 |                                                                                                                                                                                                                                                                   |  |                                                                                                         |  |  |                                                                                                                                                                            |   | Q8 | Q9 | Q10 |   |  |  |  |
| 5                                                                                                                                                                                                                       | LB-MW4-092815                                 | 9/23/15                                       | 11:55 | DC                                                                                                                                                                                                                                                                                                                                                                                                                              | GW     | 6                                 |   | 3                                 | 2  | 1                            |    |                                                                                                                                                                     |    |                                                                                                                                                                                                                                                                   |  |                                                                                                         |  |  | X                                                                                                                                                                          | X | X  | X  | X   | X |  |  |  |
| 6                                                                                                                                                                                                                       | LB-MW5-092315                                 | 9/23/15                                       | 13:45 | DC                                                                                                                                                                                                                                                                                                                                                                                                                              | GW     | 6                                 |   | 3                                 | 2  | 1                            |    |                                                                                                                                                                     |    |                                                                                                                                                                                                                                                                   |  |                                                                                                         |  |  | X                                                                                                                                                                          | X | X  | X  | X   | X |  |  |  |
| Turnaround Time (Business days)                                                                                                                                                                                         |                                               | Data Deliverable Information                  |       |                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                                   |   |                                   |    |                              |    |                                                                                                                                                                     |    | Comments / Remarks                                                                                                                                                                                                                                                |  |                                                                                                         |  |  |                                                                                                                                                                            |   |    |    |     |   |  |  |  |
| <input checked="" type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |                                               | Approved by / Date:                           |       | <input type="checkbox"/> Commercial "A" - Results only<br><input checked="" type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B+" - Results, QC, and chromatograms<br><input type="checkbox"/> FULL1 - Level 4 data package<br><input type="checkbox"/> EDF for Gas Tracker <input type="checkbox"/> EDF Format<br>Provide EDF Global ID _____<br>Provide EDF Legcode: _____ |        |                                   |   |                                   |    |                              |    | <b>Metals consist of Al, Sb, Ar, Ba, Be, Bi, Cd, Ca, Cr, Co, Cu, Hg, Mn, Mo, Ni, K, Ag, Na, St, Th, V, U, Zn. Metals field filtered. Report as dissolved metals</b> |    |                                                                                                                                                                                                                                                                   |  |                                                                                                         |  |  |                                                                                                                                                                            |   |    |    |     |   |  |  |  |
| Emergency T/A data available VIA Lablink                                                                                                                                                                                |                                               |                                               |       |                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                                   |   |                                   |    |                              |    |                                                                                                                                                                     |    |                                                                                                                                                                                                                                                                   |  | Sample Custody must be documented below each time samples change possession, including courier delivery |  |  |                                                                                                                                                                            |   |    |    |     |   |  |  |  |
| Relinquished by Sampler:<br><b>1 Debbie Kenyon</b>                                                                                                                                                                      |                                               | Date Time:<br><b>9/24/15 0800</b>             |       | Received By:<br><b>1 Fed-Ex</b>                                                                                                                                                                                                                                                                                                                                                                                                 |        | Relinquished By:<br><b>Fed-Ex</b> |   | Date Time:<br><b>9/25/15 0945</b> |    | Received By:<br><b>2 Ali</b> |    | Relinquished By:<br><b>Ali</b>                                                                                                                                      |    | Date Time:                                                                                                                                                                                                                                                        |  | Received By:                                                                                            |  |  |                                                                                                                                                                            |   |    |    |     |   |  |  |  |
| Relinquished by:                                                                                                                                                                                                        |                                               | Date Time:                                    |       | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                    |        | Relinquished By:                  |   | Date Time:                        |    | Received By:                 |    | Relinquished By:                                                                                                                                                    |    | Date Time:                                                                                                                                                                                                                                                        |  | Received By:                                                                                            |  |  |                                                                                                                                                                            |   |    |    |     |   |  |  |  |
| Relinquished by:                                                                                                                                                                                                        |                                               | Date Time:                                    |       | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                    |        | Relinquished By:                  |   | Date Time:                        |    | Received By:                 |    | Relinquished By:                                                                                                                                                    |    | Date Time:                                                                                                                                                                                                                                                        |  | Received By:                                                                                            |  |  |                                                                                                                                                                            |   |    |    |     |   |  |  |  |
| Relinquished by:                                                                                                                                                                                                        |                                               | Date Time:                                    |       | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                    |        | Relinquished By:                  |   | Date Time:                        |    | Received By:                 |    | Relinquished By:                                                                                                                                                    |    | Date Time:                                                                                                                                                                                                                                                        |  | Received By:                                                                                            |  |  |                                                                                                                                                                            |   |    |    |     |   |  |  |  |
| Relinquished by:                                                                                                                                                                                                        |                                               | Date Time:                                    |       | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                    |        | Relinquished By:                  |   | Date Time:                        |    | Received By:                 |    | Relinquished By:                                                                                                                                                    |    | Date Time:                                                                                                                                                                                                                                                        |  | Received By:                                                                                            |  |  |                                                                                                                                                                            |   |    |    |     |   |  |  |  |

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### C41963X: Chain of Custody

### Page 3 of 8

FED EX # 7813 8931 6359  
 Accutest Quote #  
 Request Order Control #  
 Accutest NC Job #: C41963

| Client / Reporting Information                                                                                                                                                                                          |                                               | Project Information                            |      | Requested Analysis                                                                                                                                                                                                                                                                                                                                                                                                             |        |                                 |    |                                 |     |                           |     |                    |      | Matrix Codes                                                                                                                                                                  |         |         |         |         |       |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------------------------|----|---------------------------------|-----|---------------------------|-----|--------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|-------|--|
| Company Name: <b>Weston Solutions Inc</b>                                                                                                                                                                               |                                               | Project Name: <b>La Bajada Gw Sampling</b>     |      | Dissolved Metals by EPA 700.7 & 200.8<br>Combined Pb-224 & Pb-228 by EPA 703.1D & 703.1D-4<br>Total Dissolved Solids SM 25.10C<br>Total Alkalinity (Carbonate / Bicarbonate / Hydroxide) SM 25.20C<br>Chloride Sulfate by EPA 800.0<br>Nitrate-Nitrite / TN by SM 45.00<br>MS/MSD                                                                                                                                              |        |                                 |    |                                 |     |                           |     |                    |      | WW: Wastewater<br>GW: Ground Water<br>SW: Surface Water<br>SO: Soil<br>GO: Gas<br>WP: Waste<br>LG: Non-aqueous Liquid<br>AIR: Air<br>DW: Drinking Water (Pre/Post-treat Only) |         |         |         |         |       |  |
| Address: <b>9160 West Elliot Road #101</b>                                                                                                                                                                              |                                               | Street: <b>Santo Domingo Pueblo</b>            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                 |    |                                 |     |                           |     |                    |      |                                                                                                                                                                               |         |         |         |         |       |  |
| City: <b>Tempe</b> State: <b>AZ</b> Zip: <b>85284</b>                                                                                                                                                                   |                                               | City: <b>New Mexico</b> State:                 |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                 |    |                                 |     |                           |     |                    |      |                                                                                                                                                                               |         |         |         |         |       |  |
| Project Contact: <b>Barb Wethington</b>                                                                                                                                                                                 |                                               | Project #: <b>12767.201.001.0020</b>           |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                 |    |                                 |     |                           |     |                    |      |                                                                                                                                                                               |         |         |         |         |       |  |
| Phone #: <b>480-477-4911</b>                                                                                                                                                                                            |                                               | EMAIL: <b>b.wethington@westonsolutions.com</b> |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                 |    |                                 |     |                           |     |                    |      | LAB USE ONLY                                                                                                                                                                  |         |         |         |         |       |  |
| Sampler's Name: <b>D. Kenyon / G. Rousseos</b>                                                                                                                                                                          |                                               | Client Purchase Order #:                       |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                 |    |                                 |     |                           |     |                    |      |                                                                                                                                                                               |         |         |         |         |       |  |
| Accutest Sample ID                                                                                                                                                                                                      | Sample ID / Field Point / Point of Collection | Date                                           | Time | Sampled by                                                                                                                                                                                                                                                                                                                                                                                                                     | Matrix | # of bottles                    | SI | NO3                             | NO2 | SO4                       | SO2 | AMMONIUM           | PHOS | CHLOR                                                                                                                                                                         | SULFATE | NITRATE | NITRITE | TOTAL N | OTHER |  |
| 7                                                                                                                                                                                                                       | LB-MW7-092315                                 | 9/23/15                                        | 1055 | DK                                                                                                                                                                                                                                                                                                                                                                                                                             | GW     | 12                              |    | 6                               | 4   | 2                         |     |                    |      |                                                                                                                                                                               |         |         |         |         |       |  |
| Turnaround Time (Business days)                                                                                                                                                                                         |                                               | Data Deliverable Information                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                 |    |                                 |     |                           |     | Comments / Remarks |      |                                                                                                                                                                               |         |         |         |         |       |  |
| <input checked="" type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |                                               | Approved By / Date:                            |      | <input type="checkbox"/> Commercial "A" - Results only<br><input checked="" type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "H" - Results, QC, and chromatograms<br><input type="checkbox"/> FULLT - Level 4 data package<br><input type="checkbox"/> EDF for Geotracker <input type="checkbox"/> EDD Permit<br>Provide EDF Global ID: _____<br>Provide EDF Logcode: _____ |        |                                 |    |                                 |     |                           |     |                    |      | Metals consist of Al, Sb, Ar, Ba, Be, Bi, Bo, Cd, Ca, Cr, Co, Cu, Mg, Mn, Mo, Ni, K, Ag, Na, S, Th, V, W, Zn. Metals field filtered<br><br>Report as dissolved metals         |         |         |         |         |       |  |
| Emergency TIA data available VIA Lablink                                                                                                                                                                                |                                               |                                                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                 |    |                                 |     |                           |     |                    |      |                                                                                                                                                                               |         |         |         |         |       |  |
| Sample Custody must be documented below each time samples change possession, including courier delivery.                                                                                                                |                                               |                                                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |                                 |    |                                 |     |                           |     |                    |      |                                                                                                                                                                               |         |         |         |         |       |  |
| Relinquished by Sample: <b>1 Debbie Kenyon</b>                                                                                                                                                                          |                                               | Date Time: <b>9/24/15 0800</b>                 |      | Received By: <b>1 Fed-EX</b>                                                                                                                                                                                                                                                                                                                                                                                                   |        | Relinquished By: <b>2 Fedex</b> |    | Date Time: <b>9/25/15 09:45</b> |     | Received By: <b>2 ALW</b> |     |                    |      |                                                                                                                                                                               |         |         |         |         |       |  |
| Relinquished by:                                                                                                                                                                                                        |                                               | Date Time:                                     |      | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                   |        | Relinquished By:                |    | Date Time:                      |     | Received By:              |     |                    |      |                                                                                                                                                                               |         |         |         |         |       |  |
| 3 Relinquished by:                                                                                                                                                                                                      |                                               | Date Time:                                     |      | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                   |        | 4 Custody # <b>W. T. T. T.</b>  |    | Appropriate Bottle / Pres. Y/N  |     | Headspace Y/N             |     | Onsite Y/N         |      | Cooler Temp.                                                                                                                                                                  |         |         |         |         |       |  |
| 5 Relinquished by:                                                                                                                                                                                                      |                                               | Date Time:                                     |      | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                   |        | Custody #                       |    | Appropriate Bottle / Pres. Y/N  |     | Headspace Y/N             |     | Onsite Y/N         |      | Cooler Temp.                                                                                                                                                                  |         |         |         |         |       |  |

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EDX Trace # 18178994 6326  
 Bottle Order Control #  
 Accutest NC Job #: C 241963

| Client / Reporting Information                                                                                                                                                                                                                                      |                                               | Project Information                        |      | Requested Analyses                                                                                                                                                                                                                                                                                                                                                                                                             |        |              |   |                                |     |                                           |     |              |      | Matrix Codes                                                                                                                                                            |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|---|--------------------------------|-----|-------------------------------------------|-----|--------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| Company Name<br>Weston Solutions, Inc.                                                                                                                                                                                                                              |                                               | Project Name<br>La Bajada GW Sampling      |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |              |   |                                |     |                                           |     |              |      | WW Wastewater<br>GW Ground Water<br>SW Surface Water<br>SO Soil<br>OFOI<br>WP Wpt<br>LID - Inorganic Lipid<br>AIR<br>DW Drinking Water (Pesticide Only)<br>LAB USE ONLY |   |
| Address<br>960 West Elliot Road #101                                                                                                                                                                                                                                |                                               | Street<br>Santo Domingo Pueblo             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |              |   |                                |     |                                           |     |              |      |                                                                                                                                                                         |   |
| City State Zip<br>Tempe AZ 85284                                                                                                                                                                                                                                    |                                               | City State<br>New Mexico                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |              |   |                                |     |                                           |     |              |      |                                                                                                                                                                         |   |
| Project Contact<br>Barb Wettington                                                                                                                                                                                                                                  |                                               | Project #<br>12767.201.0020                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |              |   |                                |     |                                           |     |              |      |                                                                                                                                                                         |   |
| Phone #<br>480-477-4911                                                                                                                                                                                                                                             |                                               | EMAIL:<br>b.wettington@westonsolutions.com |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |              |   |                                |     |                                           |     |              |      |                                                                                                                                                                         |   |
| Sampler's Name<br>D. Kenyon / G. Roussos                                                                                                                                                                                                                            |                                               | Client Purchase Order #                    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |              |   |                                |     |                                           |     |              |      |                                                                                                                                                                         |   |
| Accutest                                                                                                                                                                                                                                                            |                                               | Collection                                 |      | Number of preserved Bottles                                                                                                                                                                                                                                                                                                                                                                                                    |        |              |   |                                |     |                                           |     |              |      |                                                                                                                                                                         |   |
| Sample ID                                                                                                                                                                                                                                                           | Sample ID / Field Point / Point of Collection | Date                                       | Time | Sampled by                                                                                                                                                                                                                                                                                                                                                                                                                     | Matrix | # of bottles | V | U                              | NEQ | POS                                       | LOC | NUMC         | REGN | INCORP                                                                                                                                                                  |   |
| 8                                                                                                                                                                                                                                                                   | LB-SW1-092115                                 | 09/24/15                                   | 1540 | DK                                                                                                                                                                                                                                                                                                                                                                                                                             | GW     | 6            |   |                                | 3   | 2                                         | 1   |              |      |                                                                                                                                                                         | X |
| 9                                                                                                                                                                                                                                                                   | LB-SW2-092175                                 | 09/21/15                                   | 1510 | DK                                                                                                                                                                                                                                                                                                                                                                                                                             | GW     | 6            |   |                                | 3   | 2                                         | 1   |              |      |                                                                                                                                                                         | X |
| Turnaround Time (Business days)                                                                                                                                                                                                                                     |                                               | Approved By / Date:                        |      | Data Deliverable Information                                                                                                                                                                                                                                                                                                                                                                                                   |        |              |   |                                |     |                                           |     |              |      | Comments / Remarks                                                                                                                                                      |   |
| <input checked="" type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day<br>Emergency T/A data available VIA Lablink |                                               |                                            |      | <input type="checkbox"/> Commercial "A" - Results only<br><input checked="" type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B+" - Results, GC, and chromatograms<br><input type="checkbox"/> FULL1 - Level 4 data package<br><input type="checkbox"/> EDF for Glotzacker <input type="checkbox"/> EDF Format<br>Provide EDF Global ID _____<br>Provide EDF Logcode: _____ |        |              |   |                                |     |                                           |     |              |      | Metals consist of Al, Sb, Ar, Ba, Be, Bi, Cd, Ca,<br>Cr, Co, Cu, Mg, Mn, Mo, Ni, K, Ag, Na, St, Th,<br>V, U, Zn. Metals field filtered.<br>Report as dissolved metals   |   |
| Sample Custody must be documented below each time samples change possession, including courier delivery.                                                                                                                                                            |                                               |                                            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |              |   |                                |     |                                           |     |              |      |                                                                                                                                                                         |   |
| Relinquished by Sampler:                                                                                                                                                                                                                                            |                                               | Date/Time:                                 |      | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                   |        | Date/Time:   |   | Relinquished By:               |     | Date/Time:                                |     | Received By: |      | Date/Time:                                                                                                                                                              |   |
| 1 Debbre Ky                                                                                                                                                                                                                                                         |                                               | 09/24/15 0800                              |      | 1 Fed-Ex                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 9/25/15 0945 |   | 2 Fedex                        |     | 9/25/15 0945                              |     | 2 Ali        |      | A2                                                                                                                                                                      |   |
| Relinquished by:                                                                                                                                                                                                                                                    |                                               | Date/Time:                                 |      | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                   |        | Date/Time:   |   | Relinquished By:               |     | Date/Time:                                |     | Received By: |      | Date/Time:                                                                                                                                                              |   |
| 3                                                                                                                                                                                                                                                                   |                                               |                                            |      | 3                                                                                                                                                                                                                                                                                                                                                                                                                              |        |              |   | 4                              |     |                                           |     | 4            |      |                                                                                                                                                                         |   |
| Relinquished by:                                                                                                                                                                                                                                                    |                                               | Date/Time:                                 |      | Received By:                                                                                                                                                                                                                                                                                                                                                                                                                   |        | Date/Time:   |   | Relinquished By:               |     | Date/Time:                                |     | Received By: |      | Date/Time:                                                                                                                                                              |   |
| 5                                                                                                                                                                                                                                                                   |                                               |                                            |      | 5                                                                                                                                                                                                                                                                                                                                                                                                                              |        |              |   | Intact                         |     |                                           |     | 4            |      |                                                                                                                                                                         |   |
|                                                                                                                                                                                                                                                                     |                                               |                                            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |              |   | Appropriate Bottle / Pres. Y/N |     | Headspace Y/N                             |     | On Ice Y/N   |      | Cooler Temp.                                                                                                                                                            |   |
|                                                                                                                                                                                                                                                                     |                                               |                                            |      |                                                                                                                                                                                                                                                                                                                                                                                                                                |        |              |   | Labels match Coc? Y / N        |     | Separate Receiving Check List used: Y / N |     |              |      |                                                                                                                                                                         |   |

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**PHOENIX**

**CHAIN OF CUSTODY**

2105 Lundy Ave, San Jose, CA 95131  
(408) 588-0200 FAX: (408) 588-0201

**ACCUTEST**  
LABORATORIES

|                                            |                                  |
|--------------------------------------------|----------------------------------|
| FED-EX Tracking #<br><b>7813 8934 6718</b> | Bottle Order Control #           |
| Accutest Quote #                           | Accutest NC Job #: <b>C41963</b> |

| Client / Reporting Information                                                                                                                                                                                                                                      |                                               | Project Information                                                                                                                                                                                                                                                                                                                                                                                                                       |             |            |          |                                 |                             |    |    |                                     |    |    |    | Requested Analysis                                                                                                                                                   |    |    |    |                              |   |              |    |           |  |  |  | Matrix Codes                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------|----------|---------------------------------|-----------------------------|----|----|-------------------------------------|----|----|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|------------------------------|---|--------------|----|-----------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Company Name<br><b>Weston Solutions, Inc.</b>                                                                                                                                                                                                                       |                                               | Project Name:<br><b>La Bajada Riv Sampling</b>                                                                                                                                                                                                                                                                                                                                                                                            |             |            |          |                                 |                             |    |    |                                     |    |    |    |                                                                                                                                                                      |    |    |    |                              |   |              |    |           |  |  |  | WW - Wastewater<br>GW - Ground Water<br>SW - Surface Water<br>SO - Soil<br>DI-GI<br>WP - Wipe<br>LIQ - Non-aqueous Liquid<br>AIR<br>DW - Drinking Water (Perchlorate Only) |
| Address<br><b>960 West Elliot Road #101</b>                                                                                                                                                                                                                         |                                               | Street<br><b>Santo Domingo Pueblo</b>                                                                                                                                                                                                                                                                                                                                                                                                     |             |            |          |                                 |                             |    |    |                                     |    |    |    |                                                                                                                                                                      |    |    |    |                              |   |              |    |           |  |  |  |                                                                                                                                                                            |
| City<br><b>Tempe</b>                                                                                                                                                                                                                                                |                                               | City<br><b>New Mexico</b>                                                                                                                                                                                                                                                                                                                                                                                                                 |             |            |          |                                 |                             |    |    |                                     |    |    |    |                                                                                                                                                                      |    |    |    |                              |   |              |    |           |  |  |  |                                                                                                                                                                            |
| State<br><b>AZ</b>                                                                                                                                                                                                                                                  |                                               | State                                                                                                                                                                                                                                                                                                                                                                                                                                     |             |            |          |                                 |                             |    |    |                                     |    |    |    |                                                                                                                                                                      |    |    |    |                              |   |              |    |           |  |  |  |                                                                                                                                                                            |
| Zip<br><b>85284</b>                                                                                                                                                                                                                                                 |                                               | Zip                                                                                                                                                                                                                                                                                                                                                                                                                                       |             |            |          |                                 |                             |    |    |                                     |    |    |    |                                                                                                                                                                      |    |    |    |                              |   |              |    |           |  |  |  |                                                                                                                                                                            |
| Project Contact:<br><b>Barb Wethington</b>                                                                                                                                                                                                                          |                                               | Project #<br><b>12767.201.001.0020</b>                                                                                                                                                                                                                                                                                                                                                                                                    |             |            |          |                                 |                             |    |    |                                     |    |    |    |                                                                                                                                                                      |    |    |    |                              |   |              |    |           |  |  |  |                                                                                                                                                                            |
| Phone #<br><b>480-477-4911</b>                                                                                                                                                                                                                                      |                                               | EMAIL:<br><b>b.wethington@westonsolutions.com</b>                                                                                                                                                                                                                                                                                                                                                                                         |             |            |          |                                 |                             |    |    |                                     |    |    |    |                                                                                                                                                                      |    |    |    |                              |   |              |    |           |  |  |  |                                                                                                                                                                            |
| Sampler's Name<br><b>D. Kenyon G. Roussos</b>                                                                                                                                                                                                                       |                                               | Client Purchase Order #                                                                                                                                                                                                                                                                                                                                                                                                                   |             |            |          |                                 |                             |    |    |                                     |    |    |    |                                                                                                                                                                      |    |    |    |                              |   |              |    |           |  |  |  |                                                                                                                                                                            |
| Accutest Sample ID                                                                                                                                                                                                                                                  | Sample ID / Field Point / Point of Collection | Date                                                                                                                                                                                                                                                                                                                                                                                                                                      | Time        | Sampled by | Matrix   | # of bottles                    | Number of preserved bottles |    |    |                                     |    |    |    |                                                                                                                                                                      |    |    | DO | X                            | X | LAB USE ONLY |    |           |  |  |  |                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |            |          |                                 | V                           | HQ | HO | HO                                  | HO | HO | HO | HO                                                                                                                                                                   | HO | HO |    |                              |   |              | HO |           |  |  |  |                                                                                                                                                                            |
| <b>19</b>                                                                                                                                                                                                                                                           | <b>LB-EB1-092315</b>                          | <b>7/23/15</b>                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>1800</b> | <b>DIC</b> | <b>W</b> | <b>6</b>                        |                             |    |    |                                     |    |    |    |                                                                                                                                                                      |    |    |    |                              |   |              |    |           |  |  |  |                                                                                                                                                                            |
| Turnaround Time (Business days)                                                                                                                                                                                                                                     |                                               | Data Deliverable Information                                                                                                                                                                                                                                                                                                                                                                                                              |             |            |          |                                 |                             |    |    |                                     |    |    |    | Comments / Remarks                                                                                                                                                   |    |    |    |                              |   |              |    |           |  |  |  |                                                                                                                                                                            |
| <input checked="" type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day<br>Emergency T/A data available VIA Lablink |                                               | Approved By / Date:<br><input type="checkbox"/> Commercial "A" - Results only<br><input checked="" type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B" - Results, QC, and chromatograms<br><input type="checkbox"/> FULL1 - Level 4 data package<br><input type="checkbox"/> EDF for Detector<br><input type="checkbox"/> EDF Format<br>Provide EDF Global ID<br>Provide EDF Logcode: |             |            |          |                                 |                             |    |    |                                     |    |    |    | Metals consist of Al, Sb, Ar, Ba, Be, Bi, Cd, Co, Cr, Cu, Fe, Hg, Mn, Mo, Ni, Pb, Se, Si, Sn, Sr, Th, Tl, U, Zn. Metals field filtered<br>Report as dissolved metals |    |    |    |                              |   |              |    |           |  |  |  |                                                                                                                                                                            |
| Sample Custody must be documented below each time samples change possession, including courier delivery.                                                                                                                                                            |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |            |          |                                 |                             |    |    |                                     |    |    |    |                                                                                                                                                                      |    |    |    |                              |   |              |    |           |  |  |  |                                                                                                                                                                            |
| Relinquished by Sampler:<br><b>1 Debbie K...</b>                                                                                                                                                                                                                    |                                               | Date Time:<br><b>09/24/15 0800</b>                                                                                                                                                                                                                                                                                                                                                                                                        |             |            |          | Received By:<br><b>1 Fed-EX</b> |                             |    |    | Relinquished By:<br><b>2 Fed-EX</b> |    |    |    | Date Time:<br><b>9/25/15 09:45</b>                                                                                                                                   |    |    |    | Received By:<br><b>2 A/i</b> |   |              |    | <b>AZ</b> |  |  |  |                                                                                                                                                                            |
| Relinquished by:                                                                                                                                                                                                                                                    |                                               | Date Time:                                                                                                                                                                                                                                                                                                                                                                                                                                |             |            |          | Received By:                    |                             |    |    | Relinquished By:                    |    |    |    | Date Time:                                                                                                                                                           |    |    |    | Received By:                 |   |              |    |           |  |  |  |                                                                                                                                                                            |
| Relinquished by:                                                                                                                                                                                                                                                    |                                               | Date Time:                                                                                                                                                                                                                                                                                                                                                                                                                                |             |            |          | Received By:                    |                             |    |    | Relinquished By:                    |    |    |    | Date Time:                                                                                                                                                           |    |    |    | Received By:                 |   |              |    |           |  |  |  |                                                                                                                                                                            |
| Relinquished by:                                                                                                                                                                                                                                                    |                                               | Date Time:                                                                                                                                                                                                                                                                                                                                                                                                                                |             |            |          | Received By:                    |                             |    |    | Relinquished By:                    |    |    |    | Date Time:                                                                                                                                                           |    |    |    | Received By:                 |   |              |    |           |  |  |  |                                                                                                                                                                            |
| Relinquished by:                                                                                                                                                                                                                                                    |                                               | Date Time:                                                                                                                                                                                                                                                                                                                                                                                                                                |             |            |          | Received By:                    |                             |    |    | Relinquished By:                    |    |    |    | Date Time:                                                                                                                                                           |    |    |    | Received By:                 |   |              |    |           |  |  |  |                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |            |          |                                 |                             |    |    |                                     |    |    |    |                                                                                                                                                                      |    |    |    |                              |   |              |    |           |  |  |  |                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |            |          |                                 |                             |    |    |                                     |    |    |    |                                                                                                                                                                      |    |    |    |                              |   |              |    |           |  |  |  |                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                     |                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |            |          |                                 |                             |    |    |                                     |    |    |    |                                                                                                                                                                      |    |    |    |                              |   |              |    |           |  |  |  |                                                                                                                                                                            |

31  
3

**Accutest Job Number:** C41963      **Client:** WESTON SOLUTIONS      **Project:** LA BAJADA GW SAMPLING  
**Date / Time Received:** 9/25/2015 9:45:00 AM      **Delivery Method:** FedEx      **Airbill #'s:** 781389416315

**Cooler Temps (Initial/Adjusted):** #1: (1.9/1.9); #2: (2.6/2.6); #3: (3.1/3.1); #4: (2.5/2.5); #5: (1.6/1.6); #6: (3.1/3.1);

| <u>Cooler Security</u>    |                                     | <u>Y or N</u>            |                       | <u>Y or N</u>                       |                          |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

| <u>Cooler Temperature</u>    |                                     | <u>Y or N</u>            |  |
|------------------------------|-------------------------------------|--------------------------|--|
| 1. Temp criteria achieved:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 2. Cooler temp verification: | IR Gun                              |                          |  |
| 3. Cooler media:             | Ice (Bag)                           |                          |  |
| 4. No. Coolers               | 6                                   |                          |  |

| <u>Quality Control Preservation</u> |                                     |                          |                                     |
|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------|
|                                     | <u>Y</u>                            | <u>N</u>                 | <u>N/A</u>                          |
| 1. Trip Blank present / cooler:     | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC:        | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly:      | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                     |
| 4. VOCs headspace free:             | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| <u>Sample Integrity - Documentation</u> |                                     | <u>Y or N</u>                       |  |
|-----------------------------------------|-------------------------------------|-------------------------------------|--|
| 1. Sample labels present on bottles:    | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |  |
| 2. Container labeling complete:         | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |  |
| 3. Sample container label / COC agree:  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |  |

| <u>Sample Integrity - Condition</u> |                                     | <u>Y or N</u>            |  |
|-------------------------------------|-------------------------------------|--------------------------|--|
| 1. Sample recvd within HT:          | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 2. All containers accounted for:    | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 3. Condition of sample:             | Intact                              |                          |  |

| <u>Sample Integrity - Instructions</u>    |                                     |                                     |                                     |
|-------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
|                                           | <u>Y</u>                            | <u>N</u>                            | <u>N/A</u>                          |
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Comments Sample# 5,6,10.....requested analysis not listed on the COC.

Accutest Job Number: C41963

CSR: Elvin Kumar

Response Date: 9/30/2015

**Response:** Client confirmed that samples will be analyzed for the full suite as requested on the COC for other samples. Samples were marked up on the COC  
C41963-5 LB-MW4-092315  
C41963-6 LB-MW5-092315

\*\*Only Dissolved metals and Radiochemistry to be reported for the following:  
C41963-10 LB-EB1-092315

\*\*\*Reporting to be setup for MDL and mg/l

Effective January 1, 2016, SGS has acquired all of the assets of Accutest Laboratories and will continue to operate as SGS-Accutest. SGS-Accutest is part of SGS, the world's leading inspection, verification, testing and certification company.

## Technical Report for

Weston Solutions, Inc.

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

12767.201.001.0020

Accutest Job Number: C43666

Sampling Dates: 01/12/16 - 01/13/16

Report to:

Weston Solutions, Inc.  
960 West Elliot Road Suite 101  
Tempe, AZ 85284  
b.wethington@westonsolutions.com

ATTN: Barbara Wethington

Total number of pages in report: **62**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.



James J. Rhudy  
Lab Director

Client Service contact: Maureen Coloma 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925)  
DoD ELAP (L-A-B L2242)

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Test results relate only to samples analyzed.

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### Sample Summary

Weston Solutions, Inc.

**Job No:** C43666

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
 Project No: 12767.201.001.0020

| Sample Number | Collected |          | Matrix Received | Code | Type                 | Client Sample ID |
|---------------|-----------|----------|-----------------|------|----------------------|------------------|
|               | Date      | Time By  |                 |      |                      |                  |
| C43666-1      | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water         | LB-MW3-011216    |
| C43666-1F     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Groundwater Filtered | LB-MW3-011216    |
| C43666-2      | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water         | LB-MW3-011216-D  |
| C43666-2F     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Groundwater Filtered | LB-MW3-011216-D  |
| C43666-3      | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water         | LB-MW7-011216    |
| C43666-3D     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Water Dup/MSD        | LB-MW7-011216    |
| C43666-3F     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Groundwater Filtered | LB-MW7-011216    |
| C43666-3FD    | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Water Dup/MSD        | LB-MW7-011216    |
| C43666-3FS    | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Water Matrix Spike   | LB-MW7-011216    |
| C43666-3S     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Water Matrix Spike   | LB-MW7-011216    |
| C43666-4F     | 01/13/16  | 00:00 GR | 01/14/16        | AQ   | Equip Blank Filtered | LB-EB1-011316    |
| C43666-5      | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water         | LB-SW1-011216    |
| C43666-5F     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Groundwater Filtered | LB-SW1-011216    |



## Sample Summary

(continued)

Weston Solutions, Inc.

**Job No:** C43666

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

Project No: 12767.201.001.0020

| Sample Number | Collected |          | Matrix Received | Code | Type                 | Client Sample ID |
|---------------|-----------|----------|-----------------|------|----------------------|------------------|
|               | Date      | Time By  |                 |      |                      |                  |
| C43666-6      | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water         | LB-SW2-011216    |
| C43666-6F     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Groundwater Filtered | LB-SW2-011216    |
| C43666-7      | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water         | LB-MW1-011216    |
| C43666-7F     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Groundwater Filtered | LB-MW1-011216    |
| C43666-8      | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water         | LB-MW2-011216    |
| C43666-8F     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Groundwater Filtered | LB-MW2-011216    |
| C43666-9      | 01/13/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water         | LB-MW4-011316    |
| C43666-9F     | 01/13/16  | 00:00 GR | 01/14/16        | AQ   | Groundwater Filtered | LB-MW4-011316    |
| C43666-10     | 01/13/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water         | LB-MW5-011316    |
| C43666-10F    | 01/13/16  | 00:00 GR | 01/14/16        | AQ   | Groundwater Filtered | LB-MW5-011316    |

## Summary of Hits

**Job Number:** C43666  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 01/12/16 thru 01/13/16

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

**C43666-1 LB-MW3-011216**

|                                        |      |     |      |      |                     |
|----------------------------------------|------|-----|------|------|---------------------|
| Alkalinity, Bicarbonate                | 570  | 5.0 | 5.0  | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO <sub>3</sub> | 570  | 5.0 | 1.5  | mg/l | SM2320 B-97         |
| Chloride                               | 36.1 | 5.0 | 0.58 | mg/l | EPA 300/SW846 9056A |
| Solids, Total Dissolved                | 1940 | 10  | 2.5  | mg/l | SM2540 C-97         |
| Sulfate                                | 822  | 50  | 10   | mg/l | EPA 300/SW846 9056A |

**C43666-1F LB-MW3-011216**

|                         |          |        |         |      |           |
|-------------------------|----------|--------|---------|------|-----------|
| Barium <sup>a</sup>     | 0.0458 J | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron                   | 0.290    | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Calcium                 | 252      | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Cobalt                  | 0.0428   | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     | 0.0023 J | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium               | 121      | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese               | 1.16     | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> | 0.0108 J | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel                  | 0.0983   | 0.0050 | 0.00060 | mg/l | EPA 200.7 |
| Potassium               | 17.7     | 10     | 0.035   | mg/l | EPA 200.7 |
| Sodium                  | 148      | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium               | 1.91     | 0.010  | 0.00020 | mg/l | EPA 200.7 |
| Thallium <sup>a</sup>   | 0.0053 J | 0.010  | 0.0048  | mg/l | EPA 200.7 |
| Uranium                 | 0.363    | 0.0010 | 0.00010 | mg/l | EPA 200.8 |

**C43666-2 LB-MW3-011216-D**

|                                        |      |     |      |      |                     |
|----------------------------------------|------|-----|------|------|---------------------|
| Alkalinity, Bicarbonate                | 556  | 5.0 | 5.0  | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO <sub>3</sub> | 556  | 5.0 | 1.5  | mg/l | SM2320 B-97         |
| Chloride                               | 35.9 | 5.0 | 0.58 | mg/l | EPA 300/SW846 9056A |
| Solids, Total Dissolved                | 1970 | 10  | 2.5  | mg/l | SM2540 C-97         |
| Sulfate                                | 826  | 50  | 10   | mg/l | EPA 300/SW846 9056A |

**C43666-2F LB-MW3-011216-D**

|                         |          |        |         |      |           |
|-------------------------|----------|--------|---------|------|-----------|
| Arsenic <sup>a</sup>    | 0.0044 J | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium <sup>a</sup>     | 0.0464 J | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron                   | 0.296    | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Calcium                 | 249      | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Cobalt                  | 0.0400   | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     | 0.0023 J | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium               | 121      | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese               | 1.23     | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> | 0.0107 J | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel                  | 0.0976   | 0.0050 | 0.00060 | mg/l | EPA 200.7 |

## Summary of Hits

**Job Number:** C43666  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 01/12/16 thru 01/13/16

| Lab Sample ID | Client Sample ID | Result/<br>Analyte | RL | MDL | Units | Method |
|---------------|------------------|--------------------|----|-----|-------|--------|
|---------------|------------------|--------------------|----|-----|-------|--------|

|                   |  |          |        |         |      |           |
|-------------------|--|----------|--------|---------|------|-----------|
| Potassium         |  | 17.9     | 10     | 0.035   | mg/l | EPA 200.7 |
| Sodium            |  | 149      | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium         |  | 1.92     | 0.010  | 0.00020 | mg/l | EPA 200.7 |
| Uranium           |  | 0.352    | 0.0010 | 0.00010 | mg/l | EPA 200.8 |
| Zinc <sup>a</sup> |  | 0.0032 J | 0.020  | 0.0031  | mg/l | EPA 200.7 |

**C43666-3 LB-MW7-011216**

|                             |  |      |      |       |      |                     |
|-----------------------------|--|------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate     |  | 274  | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3  |  | 274  | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                    |  | 60.9 | 10   | 1.2   | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite |  | 0.18 | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Solids, Total Dissolved     |  | 514  | 10   | 2.5   | mg/l | SM2540 C-97         |
| Sulfate                     |  | 76.6 | 5.0  | 1.0   | mg/l | EPA 300/SW846 9056A |

**C43666-3F LB-MW7-011216**

|                         |  |           |        |         |      |           |
|-------------------------|--|-----------|--------|---------|------|-----------|
| Arsenic <sup>a</sup>    |  | 0.0069 J  | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium <sup>a</sup>     |  | 0.0459 J  | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron                   |  | 0.185     | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Calcium                 |  | 70.8      | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Cobalt <sup>a</sup>     |  | 0.0010 J  | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     |  | 0.0040 J  | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium               |  | 15.8      | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese <sup>a</sup>  |  | 0.00030 J | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> |  | 0.0055 J  | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel <sup>a</sup>     |  | 0.0045 J  | 0.0050 | 0.00060 | mg/l | EPA 200.7 |
| Potassium <sup>a</sup>  |  | 5.76 J    | 10     | 0.035   | mg/l | EPA 200.7 |
| Sodium                  |  | 83.1      | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium               |  | 0.541     | 0.010  | 0.00020 | mg/l | EPA 200.7 |
| Uranium                 |  | 0.0165    | 0.0010 | 0.00010 | mg/l | EPA 200.8 |
| Vanadium <sup>a</sup>   |  | 0.0077 J  | 0.010  | 0.00060 | mg/l | EPA 200.7 |

**C43666-4F LB-EB1-011316**

|                        |  |           |       |         |      |           |
|------------------------|--|-----------|-------|---------|------|-----------|
| Manganese <sup>a</sup> |  | 0.00020 J | 0.015 | 0.00020 | mg/l | EPA 200.7 |
|------------------------|--|-----------|-------|---------|------|-----------|

**C43666-5 LB-SW1-011216**

|                             |  |      |     |      |      |                     |
|-----------------------------|--|------|-----|------|------|---------------------|
| Alkalinity, Bicarbonate     |  | 176  | 5.0 | 5.0  | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3  |  | 176  | 5.0 | 1.5  | mg/l | SM2320 B-97         |
| Chloride                    |  | 64.7 | 5.0 | 0.58 | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite |  | 1.8  | 1.0 | 0.41 | mg/l | SM4500-NO3 E-00     |
| Solids, Total Dissolved     |  | 426  | 10  | 2.5  | mg/l | SM2540 C-97         |
| Sulfate                     |  | 57.4 | 2.5 | 0.52 | mg/l | EPA 300/SW846 9056A |

## Summary of Hits

**Job Number:** C43666  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 01/12/16 thru 01/13/16

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

**C43666-5F LB-SW1-011216**

|                         |          |        |         |      |           |
|-------------------------|----------|--------|---------|------|-----------|
| Barium <sup>a</sup>     | 0.0996 J | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron                   | 0.181    | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Calcium                 | 52.6     | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Cobalt <sup>a</sup>     | 0.0011 J | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     | 0.0030 J | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium               | 8.64     | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese               | 0.0611   | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> | 0.0027 J | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel <sup>a</sup>     | 0.0032 J | 0.0050 | 0.00060 | mg/l | EPA 200.7 |
| Potassium               | 12.5     | 10     | 0.035   | mg/l | EPA 200.7 |
| Sodium                  | 68.5     | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium               | 0.332    | 0.010  | 0.00020 | mg/l | EPA 200.7 |
| Uranium                 | 0.0028   | 0.0010 | 0.00010 | mg/l | EPA 200.8 |
| Vanadium <sup>a</sup>   | 0.0017 J | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Zinc                    | 0.0592   | 0.020  | 0.0031  | mg/l | EPA 200.7 |

**C43666-6 LB-SW2-011216**

|                                        |        |      |      |      |                             |
|----------------------------------------|--------|------|------|------|-----------------------------|
| Alkalinity, Bicarbonate                | 186    | 5.0  | 5.0  | mg/l | SM2320 B-97                 |
| Alkalinity, Total as CaCO <sub>3</sub> | 186    | 5.0  | 1.5  | mg/l | SM2320 B-97                 |
| Chloride                               | 64.5   | 5.0  | 0.58 | mg/l | EPA 300/SW846 9056A         |
| Nitrogen, Nitrate + Nitrite            | 1.5    | 0.50 | 0.21 | mg/l | SM4500-NO <sub>3</sub> E-00 |
| Nitrogen, Total Kjeldahl <sup>b</sup>  | 0.18 J | 0.50 | 0.18 | mg/l | EPA 351.2                   |
| Solids, Total Dissolved                | 450    | 10   | 2.5  | mg/l | SM2540 C-97                 |
| Sulfate                                | 59.2   | 2.5  | 0.52 | mg/l | EPA 300/SW846 9056A         |

**C43666-6F LB-SW2-011216**

|                         |          |        |         |      |           |
|-------------------------|----------|--------|---------|------|-----------|
| Arsenic <sup>a</sup>    | 0.0027 J | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium <sup>a</sup>     | 0.102 J  | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron                   | 0.180    | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Calcium                 | 55.9     | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Cobalt <sup>a</sup>     | 0.0010 J | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     | 0.0026 J | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium               | 9.09     | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese               | 0.0520   | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> | 0.0031 J | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel <sup>a</sup>     | 0.0033 J | 0.0050 | 0.00060 | mg/l | EPA 200.7 |
| Potassium               | 12.0     | 10     | 0.035   | mg/l | EPA 200.7 |
| Sodium                  | 68.9     | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium               | 0.347    | 0.010  | 0.00020 | mg/l | EPA 200.7 |
| Uranium                 | 0.0031   | 0.0010 | 0.00010 | mg/l | EPA 200.8 |

## Summary of Hits

**Job Number:** C43666  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 01/12/16 thru 01/13/16

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

|                       |  |          |       |         |      |           |
|-----------------------|--|----------|-------|---------|------|-----------|
| Vanadium <sup>a</sup> |  | 0.0021 J | 0.010 | 0.00060 | mg/l | EPA 200.7 |
| Zinc                  |  | 0.0489   | 0.020 | 0.0031  | mg/l | EPA 200.7 |

**C43666-7 LB-MW1-011216**

|                                          |  |         |      |       |      |                     |
|------------------------------------------|--|---------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate                  |  | 302     | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO <sub>3</sub>   |  | 302     | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                                 |  | 70.6    | 5.0  | 0.58  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> |  | 0.072 J | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Solids, Total Dissolved                  |  | 571     | 10   | 2.5   | mg/l | SM2540 C-97         |
| Sulfate                                  |  | 74.7    | 5.0  | 1.0   | mg/l | EPA 300/SW846 9056A |

**C43666-7F LB-MW1-011216**

|                         |  |           |        |         |      |           |
|-------------------------|--|-----------|--------|---------|------|-----------|
| Arsenic <sup>a</sup>    |  | 0.0058 J  | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium <sup>a</sup>     |  | 0.0568 J  | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron                   |  | 0.254     | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Cadmium <sup>a</sup>    |  | 0.00030 J | 0.0020 | 0.00030 | mg/l | EPA 200.7 |
| Calcium                 |  | 74.1      | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Cobalt <sup>a</sup>     |  | 0.0020 J  | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     |  | 0.0098 J  | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium               |  | 14.5      | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese <sup>a</sup>  |  | 0.0097 J  | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> |  | 0.0029 J  | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel                  |  | 0.0075    | 0.0050 | 0.00060 | mg/l | EPA 200.7 |
| Potassium <sup>a</sup>  |  | 6.98 J    | 10     | 0.035   | mg/l | EPA 200.7 |
| Sodium                  |  | 99.9      | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium               |  | 0.578     | 0.010  | 0.00020 | mg/l | EPA 200.7 |
| Uranium                 |  | 0.0033    | 0.0010 | 0.00010 | mg/l | EPA 200.8 |
| Vanadium <sup>a</sup>   |  | 0.0062 J  | 0.010  | 0.00060 | mg/l | EPA 200.7 |

**C43666-8 LB-MW2-011216**

|                                        |  |      |      |       |      |                     |
|----------------------------------------|--|------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate                |  | 252  | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO <sub>3</sub> |  | 252  | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                               |  | 67.9 | 10   | 1.2   | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite            |  | 0.20 | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Solids, Total Dissolved                |  | 524  | 10   | 2.5   | mg/l | SM2540 C-97         |
| Sulfate                                |  | 77.7 | 10   | 2.1   | mg/l | EPA 300/SW846 9056A |

**C43666-8F LB-MW2-011216**

|                      |  |          |       |         |      |           |
|----------------------|--|----------|-------|---------|------|-----------|
| Arsenic <sup>a</sup> |  | 0.0071 J | 0.010 | 0.0025  | mg/l | EPA 200.7 |
| Barium <sup>a</sup>  |  | 0.104 J  | 0.20  | 0.00050 | mg/l | EPA 200.7 |
| Boron                |  | 0.151    | 0.10  | 0.0032  | mg/l | EPA 200.7 |

## Summary of Hits

**Job Number:** C43666  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 01/12/16 thru 01/13/16

| Lab Sample ID<br>Analyte | Client Sample ID | Result/<br>Qual | RL     | MDL     | Units | Method    |
|--------------------------|------------------|-----------------|--------|---------|-------|-----------|
| Calcium                  |                  | 74.8            | 5.0    | 0.069   | mg/l  | EPA 200.7 |
| Cobalt <sup>a</sup>      |                  | 0.0010 J        | 0.0050 | 0.00040 | mg/l  | EPA 200.7 |
| Copper <sup>a</sup>      |                  | 0.0037 J        | 0.010  | 0.0018  | mg/l  | EPA 200.7 |
| Magnesium                |                  | 13.1            | 5.0    | 0.023   | mg/l  | EPA 200.7 |
| Manganese <sup>a</sup>   |                  | 0.00020 J       | 0.015  | 0.00020 | mg/l  | EPA 200.7 |
| Molybdenum <sup>a</sup>  |                  | 0.0039 J        | 0.020  | 0.00060 | mg/l  | EPA 200.7 |
| Nickel                   |                  | 0.0052          | 0.0050 | 0.00060 | mg/l  | EPA 200.7 |
| Potassium <sup>a</sup>   |                  | 9.88 J          | 10     | 0.035   | mg/l  | EPA 200.7 |
| Sodium                   |                  | 78.4            | 10     | 0.025   | mg/l  | EPA 200.7 |
| Strontium                |                  | 0.626           | 0.010  | 0.00020 | mg/l  | EPA 200.7 |
| Uranium                  |                  | 0.0060          | 0.0010 | 0.00010 | mg/l  | EPA 200.8 |
| Vanadium <sup>a</sup>    |                  | 0.0073 J        | 0.010  | 0.00060 | mg/l  | EPA 200.7 |
| Zinc <sup>a</sup>        |                  | 0.0102 J        | 0.020  | 0.0031  | mg/l  | EPA 200.7 |

**C43666-9 LB-MW4-011316**

|                                        |      |      |       |      |                     |
|----------------------------------------|------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate                | 286  | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO <sub>3</sub> | 286  | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                               | 68.0 | 5.0  | 0.58  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite            | 0.60 | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Solids, Total Dissolved                | 721  | 10   | 2.5   | mg/l | SM2540 C-97         |
| Sulfate                                | 189  | 5.0  | 1.0   | mg/l | EPA 300/SW846 9056A |

**C43666-9F LB-MW4-011316**

|                         |           |        |         |      |           |
|-------------------------|-----------|--------|---------|------|-----------|
| Arsenic <sup>a</sup>    | 0.0076 J  | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium <sup>a</sup>     | 0.0832 J  | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron                   | 0.223     | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Calcium                 | 97.8      | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Cobalt <sup>a</sup>     | 0.0014 J  | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     | 0.0032 J  | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium               | 31.2      | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese <sup>a</sup>  | 0.00080 J | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> | 0.0057 J  | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel                  | 0.0061    | 0.0050 | 0.00060 | mg/l | EPA 200.7 |
| Potassium <sup>a</sup>  | 8.88 J    | 10     | 0.035   | mg/l | EPA 200.7 |
| Sodium                  | 91.6      | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium               | 0.728     | 0.010  | 0.00020 | mg/l | EPA 200.7 |
| Uranium                 | 0.0765    | 0.0010 | 0.00010 | mg/l | EPA 200.8 |
| Vanadium <sup>a</sup>   | 0.0068 J  | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Zinc                    | 0.0688    | 0.020  | 0.0031  | mg/l | EPA 200.7 |

**C43666-10 LB-MW5-011316**

|                         |     |     |     |      |             |
|-------------------------|-----|-----|-----|------|-------------|
| Alkalinity, Bicarbonate | 250 | 5.0 | 5.0 | mg/l | SM2320 B-97 |
|-------------------------|-----|-----|-----|------|-------------|

## Summary of Hits

**Job Number:** C43666  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 01/12/16 thru 01/13/16

| Lab Sample ID                          | Client Sample ID | Result/<br>Qual | RL   | MDL   | Units | Method              |
|----------------------------------------|------------------|-----------------|------|-------|-------|---------------------|
| Alkalinity, Total as CaCO <sub>3</sub> |                  | 250             | 5.0  | 1.5   | mg/l  | SM2320 B-97         |
| Chloride                               |                  | 62.9            | 5.0  | 0.58  | mg/l  | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite            |                  | 0.27            | 0.10 | 0.041 | mg/l  | SM4500-NO3 E-00     |
| Solids, Total Dissolved                |                  | 496             | 10   | 2.5   | mg/l  | SM2540 C-97         |
| Sulfate                                |                  | 71.4            | 5.0  | 1.0   | mg/l  | EPA 300/SW846 9056A |

### C43666-10F LB-MW5-011316

|                         |          |        |         |      |           |
|-------------------------|----------|--------|---------|------|-----------|
| Arsenic <sup>a</sup>    | 0.0063 J | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium <sup>a</sup>     | 0.0606 J | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron                   | 0.198    | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Calcium                 | 66.4     | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Cobalt <sup>a</sup>     | 0.0020 J | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     | 0.0026 J | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium               | 15.3     | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese               | 0.408    | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> | 0.0084 J | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel                  | 0.0060   | 0.0050 | 0.00060 | mg/l | EPA 200.7 |
| Potassium <sup>a</sup>  | 8.09 J   | 10     | 0.035   | mg/l | EPA 200.7 |
| Sodium                  | 80.3     | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium               | 0.550    | 0.010  | 0.00020 | mg/l | EPA 200.7 |
| Uranium                 | 0.0129   | 0.0010 | 0.00010 | mg/l | EPA 200.8 |
| Vanadium <sup>a</sup>   | 0.0040 J | 0.010  | 0.00060 | mg/l | EPA 200.7 |

(a) AZ:E4

(b) Analysis performed at Accutest Laboratories, Houston, TX. AZ:E4

Sample Results

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Report of Analysis

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## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-011216                                        | <b>Date Sampled:</b> 01/12/16  |
| <b>Lab Sample ID:</b> C43666-1                                                | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                                | Result  | RL   | MDL   | Units | DF  | Analyzed          | By            | Method |
|----------------------------------------|---------|------|-------|-------|-----|-------------------|---------------|--------|
| Alkalinity, Bicarbonate                | 570     | 5.0  | 5.0   | mg/l  | 1   | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Alkalinity, Carbonate                  | 5.0 U   | 5.0  | 5.0   | mg/l  | 1   | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Alkalinity, Total as CaCO <sub>3</sub> | 570     | 5.0  | 1.5   | mg/l  | 1   | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Chloride                               | 36.1    | 5.0  | 0.58  | mg/l  | 10  | 01/20/16 17:37 PH | EPA 300/SW846 | 9056A  |
| Hydroxide Alkalinity                   | 5.0 U   | 5.0  | 5.0   | mg/l  | 1   | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Nitrogen, Nitrate + Nitrite            | 0.041 U | 0.10 | 0.041 | mg/l  | 1   | 01/16/16 15:15 EB | SM4500-NO3    | E-00   |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.18 U  | 0.50 | 0.18  | mg/l  | 1   | 01/25/16          | ATXEPA 351.2  |        |
| Solids, Total Dissolved                | 1940    | 10   | 2.5   | mg/l  | 1   | 01/16/16 13:30 DQ | SM2540        | C-97   |
| Sulfate                                | 822     | 50   | 10    | mg/l  | 100 | 01/21/16 10:43 PH | EPA 300/SW846 | 9056A  |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-011216                                        | <b>Date Sampled:</b> 01/12/16  |
| <b>Lab Sample ID:</b> C43666-1F                                               | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum                | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Antimony                | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic                 | 0.0025 U  | 0.010  | 0.0025  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Barium <sup>a</sup>     | 0.0458 J  | 0.20   | 0.00050 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium               | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Boron                   | 0.290     | 0.10   | 0.0032  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium                 | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Calcium                 | 252       | 5.0    | 0.069   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Chromium                | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt                  | 0.0428    | 0.0050 | 0.00040 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Copper <sup>a</sup>     | 0.0023 J  | 0.010  | 0.0018  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium               | 121       | 5.0    | 0.023   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Manganese               | 1.16      | 0.015  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum <sup>a</sup> | 0.0108 J  | 0.020  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Nickel                  | 0.0983    | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Potassium               | 17.7      | 10     | 0.035   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Silver                  | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Sodium                  | 148       | 10     | 0.025   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Strontium               | 1.91      | 0.010  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Thallium <sup>a</sup>   | 0.0053 J  | 0.010  | 0.0048  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Uranium                 | 0.363     | 0.0010 | 0.00010 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium                | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Zinc                    | 0.0031 U  | 0.020  | 0.0031  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |

- (1) Instrument QC Batch: MA5555
- (2) Instrument QC Batch: MA5556
- (3) Prep QC Batch: MP10739
- (4) Prep QC Batch: MP10740

(a) AZ:E4

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-011216-D                                      | <b>Date Sampled:</b> 01/12/16  |
| <b>Lab Sample ID:</b> C43666-2                                                | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

**General Chemistry**

| Analyte                                | Result  | RL   | MDL   | Units | DF  | Analyzed          | By | Method              |
|----------------------------------------|---------|------|-------|-------|-----|-------------------|----|---------------------|
| Alkalinity, Bicarbonate                | 556     | 5.0  | 5.0   | mg/l  | 1   | 01/21/16 13:20 DQ |    | SM2320 B-97         |
| Alkalinity, Carbonate                  | 5.0 U   | 5.0  | 5.0   | mg/l  | 1   | 01/21/16 13:20 DQ |    | SM2320 B-97         |
| Alkalinity, Total as CaCO <sub>3</sub> | 556     | 5.0  | 1.5   | mg/l  | 1   | 01/21/16 13:20 DQ |    | SM2320 B-97         |
| Chloride                               | 35.9    | 5.0  | 0.58  | mg/l  | 10  | 01/20/16 17:54 PH |    | EPA 300/SW846 9056A |
| Hydroxide Alkalinity                   | 5.0 U   | 5.0  | 5.0   | mg/l  | 1   | 01/21/16 13:20 DQ |    | SM2320 B-97         |
| Nitrogen, Nitrate + Nitrite            | 0.041 U | 0.10 | 0.041 | mg/l  | 1   | 01/16/16 15:15 EB |    | SM4500-NO3 E-00     |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.18 U  | 0.50 | 0.18  | mg/l  | 1   | 01/25/16          |    | ATXEPA 351.2        |
| Solids, Total Dissolved                | 1970    | 10   | 2.5   | mg/l  | 1   | 01/16/16 13:30 DQ |    | SM2540 C-97         |
| Sulfate                                | 826     | 50   | 10    | mg/l  | 100 | 01/21/16 11:00 PH |    | EPA 300/SW846 9056A |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-011216-D                                      | <b>Date Sampled:</b> 01/12/16  |
| <b>Lab Sample ID:</b> C43666-2F                                               | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum                | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Antimony                | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic <sup>a</sup>    | 0.0044 J  | 0.010  | 0.0025  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Barium <sup>a</sup>     | 0.0464 J  | 0.20   | 0.00050 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium               | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Boron                   | 0.296     | 0.10   | 0.0032  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium                 | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Calcium                 | 249       | 5.0    | 0.069   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Chromium                | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt                  | 0.0400    | 0.0050 | 0.00040 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Copper <sup>a</sup>     | 0.0023 J  | 0.010  | 0.0018  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium               | 121       | 5.0    | 0.023   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Manganese               | 1.23      | 0.015  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum <sup>a</sup> | 0.0107 J  | 0.020  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Nickel                  | 0.0976    | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Potassium               | 17.9      | 10     | 0.035   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Silver                  | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Sodium                  | 149       | 10     | 0.025   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Strontium               | 1.92      | 0.010  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Thallium                | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Uranium                 | 0.352     | 0.0010 | 0.00010 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium                | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Zinc <sup>a</sup>       | 0.0032 J  | 0.020  | 0.0031  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |

- (1) Instrument QC Batch: MA5555
- (2) Instrument QC Batch: MA5556
- (3) Prep QC Batch: MP10739
- (4) Prep QC Batch: MP10740

(a) AZ:E4

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

35  
3

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW7-011216                                        | <b>Date Sampled:</b> 01/12/16  |
| <b>Lab Sample ID:</b> C43666-3                                                | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                                | Result | RL   | MDL   | Units | DF | Analyzed          | By            | Method |
|----------------------------------------|--------|------|-------|-------|----|-------------------|---------------|--------|
| Alkalinity, Bicarbonate                | 274    | 5.0  | 5.0   | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Alkalinity, Carbonate                  | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Alkalinity, Total as CaCO <sub>3</sub> | 274    | 5.0  | 1.5   | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Chloride                               | 60.9   | 10   | 1.2   | mg/l  | 20 | 01/21/16 11:35 PH | EPA 300/SW846 | 9056A  |
| Hydroxide Alkalinity                   | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Nitrogen, Nitrate + Nitrite            | 0.18   | 0.10 | 0.041 | mg/l  | 1  | 01/16/16 15:15 EB | SM4500-NO3    | E-00   |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.18 U | 0.50 | 0.18  | mg/l  | 1  | 01/25/16          | ATXEPA        | 351.2  |
| Solids, Total Dissolved                | 514    | 10   | 2.5   | mg/l  | 1  | 01/16/16 13:30 DQ | SM2540        | C-97   |
| Sulfate                                | 76.6   | 5.0  | 1.0   | mg/l  | 10 | 01/20/16 18:29 PH | EPA 300/SW846 | 9056A  |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW7-011216                                        | <b>Date Sampled:</b> 01/12/16  |
| <b>Lab Sample ID:</b> C43666-3F                                               | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum                | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Antimony                | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic <sup>a</sup>    | 0.0069 J  | 0.010  | 0.0025  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Barium <sup>a</sup>     | 0.0459 J  | 0.20   | 0.00050 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium               | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Boron                   | 0.185     | 0.10   | 0.0032  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium                 | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Calcium                 | 70.8      | 5.0    | 0.069   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Chromium                | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt <sup>a</sup>     | 0.0010 J  | 0.0050 | 0.00040 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Copper <sup>a</sup>     | 0.0040 J  | 0.010  | 0.0018  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium               | 15.8      | 5.0    | 0.023   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Manganese <sup>a</sup>  | 0.00030 J | 0.015  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum <sup>a</sup> | 0.0055 J  | 0.020  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Nickel <sup>a</sup>     | 0.0045 J  | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Potassium <sup>a</sup>  | 5.76 J    | 10     | 0.035   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Silver                  | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Sodium                  | 83.1      | 10     | 0.025   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Strontium               | 0.541     | 0.010  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Thallium                | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Uranium                 | 0.0165    | 0.0010 | 0.00010 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium <sup>a</sup>   | 0.0077 J  | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Zinc                    | 0.0031 U  | 0.020  | 0.0031  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |

(1) Instrument QC Batch: MA5555

(2) Instrument QC Batch: MA5556

(3) Prep QC Batch: MP10739

(4) Prep QC Batch: MP10740

(a) AZ:E4

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-EB1-011316                                        | <b>Date Sampled:</b> 01/13/16  |
| <b>Lab Sample ID:</b> C43666-4F                                               | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Equip Blank Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum               | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Antimony               | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic                | 0.0025 U  | 0.010  | 0.0025  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Barium                 | 0.00050 U | 0.20   | 0.00050 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium              | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Boron                  | 0.0032 U  | 0.10   | 0.0032  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium                | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Calcium                | 0.069 U   | 5.0    | 0.069   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Chromium               | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt                 | 0.00040 U | 0.0050 | 0.00040 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Copper                 | 0.0018 U  | 0.010  | 0.0018  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium              | 0.023 U   | 5.0    | 0.023   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Manganese <sup>a</sup> | 0.00020 J | 0.015  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum             | 0.00060 U | 0.020  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Nickel                 | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Potassium              | 0.035 U   | 10     | 0.035   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Silver                 | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Sodium                 | 0.025 U   | 10     | 0.025   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Strontium              | 0.00020 U | 0.010  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Thallium               | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Uranium                | 0.00010 U | 0.0010 | 0.00010 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium               | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Zinc                   | 0.0031 U  | 0.020  | 0.0031  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |

- (1) Instrument QC Batch: MA5555
- (2) Instrument QC Batch: MA5556
- (3) Prep QC Batch: MP10739
- (4) Prep QC Batch: MP10740

(a) AZ:E4

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW1-011216                                        | <b>Date Sampled:</b> 01/12/16  |
| <b>Lab Sample ID:</b> C43666-5                                                | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

**General Chemistry**

| Analyte                                | Result | RL   | MDL  | Units | DF | Analyzed          | By | Method              |
|----------------------------------------|--------|------|------|-------|----|-------------------|----|---------------------|
| Alkalinity, Bicarbonate                | 176    | 5.0  | 5.0  | mg/l  | 1  | 01/21/16 13:20 DQ |    | SM2320 B-97         |
| Alkalinity, Carbonate                  | 5.0 U  | 5.0  | 5.0  | mg/l  | 1  | 01/21/16 13:20 DQ |    | SM2320 B-97         |
| Alkalinity, Total as CaCO <sub>3</sub> | 176    | 5.0  | 1.5  | mg/l  | 1  | 01/21/16 13:20 DQ |    | SM2320 B-97         |
| Chloride                               | 64.7   | 5.0  | 0.58 | mg/l  | 10 | 01/21/16 12:27 PH |    | EPA 300/SW846 9056A |
| Hydroxide Alkalinity                   | 5.0 U  | 5.0  | 5.0  | mg/l  | 1  | 01/21/16 13:20 DQ |    | SM2320 B-97         |
| Nitrogen, Nitrate + Nitrite            | 1.8    | 1.0  | 0.41 | mg/l  | 10 | 01/16/16 15:15 EB |    | SM4500-NO3 E-00     |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.18 U | 0.50 | 0.18 | mg/l  | 1  | 01/25/16          |    | ATXEPA 351.2        |
| Solids, Total Dissolved                | 426    | 10   | 2.5  | mg/l  | 1  | 01/16/16 13:30 DQ |    | SM2540 C-97         |
| Sulfate                                | 57.4   | 2.5  | 0.52 | mg/l  | 5  | 01/20/16 19:55 PH |    | EPA 300/SW846 9056A |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW1-011216                                        | <b>Date Sampled:</b> 01/12/16  |
| <b>Lab Sample ID:</b> C43666-5F                                               | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum                | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Antimony                | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic                 | 0.0025 U  | 0.010  | 0.0025  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Barium <sup>a</sup>     | 0.0996 J  | 0.20   | 0.00050 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium               | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Boron                   | 0.181     | 0.10   | 0.0032  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium                 | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Calcium                 | 52.6      | 5.0    | 0.069   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Chromium                | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt <sup>a</sup>     | 0.0011 J  | 0.0050 | 0.00040 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Copper <sup>a</sup>     | 0.0030 J  | 0.010  | 0.0018  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium               | 8.64      | 5.0    | 0.023   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Manganese               | 0.0611    | 0.015  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum <sup>a</sup> | 0.0027 J  | 0.020  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Nickel <sup>a</sup>     | 0.0032 J  | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Potassium               | 12.5      | 10     | 0.035   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Silver                  | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Sodium                  | 68.5      | 10     | 0.025   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Strontium               | 0.332     | 0.010  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Thallium                | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Uranium                 | 0.0028    | 0.0010 | 0.00010 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium <sup>a</sup>   | 0.0017 J  | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Zinc                    | 0.0592    | 0.020  | 0.0031  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |

(1) Instrument QC Batch: MA5555

(2) Instrument QC Batch: MA5556

(3) Prep QC Batch: MP10739

(4) Prep QC Batch: MP10740

(a) AZ:E4

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW2-011216                                        | <b>Date Sampled:</b> 01/12/16  |
| <b>Lab Sample ID:</b> C43666-6                                                | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## General Chemistry

| Analyte                                | Result | RL   | MDL  | Units | DF | Analyzed          | By            | Method |
|----------------------------------------|--------|------|------|-------|----|-------------------|---------------|--------|
| Alkalinity, Bicarbonate                | 186    | 5.0  | 5.0  | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Alkalinity, Carbonate                  | 5.0 U  | 5.0  | 5.0  | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Alkalinity, Total as CaCO <sub>3</sub> | 186    | 5.0  | 1.5  | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Chloride                               | 64.5   | 5.0  | 0.58 | mg/l  | 10 | 01/21/16 12:44 PH | EPA 300/SW846 | 9056A  |
| Hydroxide Alkalinity                   | 5.0 U  | 5.0  | 5.0  | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Nitrogen, Nitrate + Nitrite            | 1.5    | 0.50 | 0.21 | mg/l  | 5  | 01/16/16 15:15 EB | SM4500-NO3    | E-00   |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.18 J | 0.50 | 0.18 | mg/l  | 1  | 01/25/16          | ATXEPA 351.2  |        |
| Solids, Total Dissolved                | 450    | 10   | 2.5  | mg/l  | 1  | 01/16/16 13:30 DQ | SM2540        | C-97   |
| Sulfate                                | 59.2   | 2.5  | 0.52 | mg/l  | 5  | 01/20/16 20:13 PH | EPA 300/SW846 | 9056A  |

(a) Analysis performed at Accutest Laboratories, Houston, TX. AZ:E4

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW2-011216                                        | <b>Date Sampled:</b> 01/12/16  |
| <b>Lab Sample ID:</b> C43666-6F                                               | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum                | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Antimony                | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic <sup>a</sup>    | 0.0027 J  | 0.010  | 0.0025  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Barium <sup>a</sup>     | 0.102 J   | 0.20   | 0.00050 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium               | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Boron                   | 0.180     | 0.10   | 0.0032  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium                 | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Calcium                 | 55.9      | 5.0    | 0.069   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Chromium                | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt <sup>a</sup>     | 0.0010 J  | 0.0050 | 0.00040 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Copper <sup>a</sup>     | 0.0026 J  | 0.010  | 0.0018  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium               | 9.09      | 5.0    | 0.023   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Manganese               | 0.0520    | 0.015  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum <sup>a</sup> | 0.0031 J  | 0.020  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Nickel <sup>a</sup>     | 0.0033 J  | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Potassium               | 12.0      | 10     | 0.035   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Silver                  | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Sodium                  | 68.9      | 10     | 0.025   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Strontium               | 0.347     | 0.010  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Thallium                | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Uranium                 | 0.0031    | 0.0010 | 0.00010 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium <sup>a</sup>   | 0.0021 J  | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Zinc                    | 0.0489    | 0.020  | 0.0031  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |

(1) Instrument QC Batch: MA5555

(2) Instrument QC Batch: MA5556

(3) Prep QC Batch: MP10739

(4) Prep QC Batch: MP10740

(a) AZ:E4

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW1-011216                                        | <b>Date Sampled:</b> 01/12/16  |
| <b>Lab Sample ID:</b> C43666-7                                                | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## General Chemistry

| Analyte                                  | Result  | RL   | MDL   | Units | DF | Analyzed          | By            | Method |
|------------------------------------------|---------|------|-------|-------|----|-------------------|---------------|--------|
| Alkalinity, Bicarbonate                  | 302     | 5.0  | 5.0   | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Alkalinity, Carbonate                    | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Alkalinity, Total as CaCO <sub>3</sub>   | 302     | 5.0  | 1.5   | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Chloride                                 | 70.6    | 5.0  | 0.58  | mg/l  | 10 | 01/20/16 20:30 PH | EPA 300/SW846 | 9056A  |
| Hydroxide Alkalinity                     | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Nitrogen, Nitrate + Nitrite <sup>a</sup> | 0.072 J | 0.10 | 0.041 | mg/l  | 1  | 01/16/16 15:15 EB | SM4500-NO3    | E-00   |
| Nitrogen, Total Kjeldahl <sup>b</sup>    | 0.18 U  | 0.50 | 0.18  | mg/l  | 1  | 01/25/16          | ATXEPA 351.2  |        |
| Solids, Total Dissolved                  | 571     | 10   | 2.5   | mg/l  | 1  | 01/16/16 13:30 DQ | SM2540        | C-97   |
| Sulfate                                  | 74.7    | 5.0  | 1.0   | mg/l  | 10 | 01/20/16 20:30 PH | EPA 300/SW846 | 9056A  |

(a) AZ:E4

(b) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW1-011216                                        | <b>Date Sampled:</b> 01/12/16  |
| <b>Lab Sample ID:</b> C43666-7F                                               | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum                | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Antimony                | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic <sup>a</sup>    | 0.0058 J  | 0.010  | 0.0025  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Barium <sup>a</sup>     | 0.0568 J  | 0.20   | 0.00050 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium               | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Boron                   | 0.254     | 0.10   | 0.0032  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium <sup>a</sup>    | 0.00030 J | 0.0020 | 0.00030 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Calcium                 | 74.1      | 5.0    | 0.069   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Chromium                | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt <sup>a</sup>     | 0.0020 J  | 0.0050 | 0.00040 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Copper <sup>a</sup>     | 0.0098 J  | 0.010  | 0.0018  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium               | 14.5      | 5.0    | 0.023   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Manganese <sup>a</sup>  | 0.0097 J  | 0.015  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum <sup>a</sup> | 0.0029 J  | 0.020  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Nickel                  | 0.0075    | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Potassium <sup>a</sup>  | 6.98 J    | 10     | 0.035   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Silver                  | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Sodium                  | 99.9      | 10     | 0.025   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Strontium               | 0.578     | 0.010  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Thallium                | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Uranium                 | 0.0033    | 0.0010 | 0.00010 | mg/l  | 1  | 01/22/16 | 02/02/16 RS | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium <sup>a</sup>   | 0.0062 J  | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Zinc                    | 0.0031 U  | 0.020  | 0.0031  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |

(1) Instrument QC Batch: MA5556

(2) Instrument QC Batch: MA5573

(3) Prep QC Batch: MP10739

(4) Prep QC Batch: MP10740

(a) AZ:E4

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW2-011216                                        | <b>Date Sampled:</b> 01/12/16  |
| <b>Lab Sample ID:</b> C43666-8                                                | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## General Chemistry

| Analyte                                | Result | RL   | MDL   | Units | DF | Analyzed          | By            | Method |
|----------------------------------------|--------|------|-------|-------|----|-------------------|---------------|--------|
| Alkalinity, Bicarbonate                | 252    | 5.0  | 5.0   | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Alkalinity, Carbonate                  | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Alkalinity, Total as CaCO <sub>3</sub> | 252    | 5.0  | 1.5   | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Chloride                               | 67.9   | 10   | 1.2   | mg/l  | 20 | 01/21/16 13:01 PH | EPA 300/SW846 | 9056A  |
| Hydroxide Alkalinity                   | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 01/21/16 13:20 DQ | SM2320        | B-97   |
| Nitrogen, Nitrate + Nitrite            | 0.20   | 0.10 | 0.041 | mg/l  | 1  | 01/16/16 15:15 EB | SM4500-NO3    | E-00   |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.18 U | 0.50 | 0.18  | mg/l  | 1  | 01/25/16          | ATXEPA 351.2  |        |
| Solids, Total Dissolved                | 524    | 10   | 2.5   | mg/l  | 1  | 01/16/16 13:30 DQ | SM2540        | C-97   |
| Sulfate                                | 77.7   | 10   | 2.1   | mg/l  | 20 | 01/21/16 13:01 PH | EPA 300/SW846 | 9056A  |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW2-011216                                        | <b>Date Sampled:</b> 01/12/16  |
| <b>Lab Sample ID:</b> C43666-8F                                               | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum                | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Antimony                | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic <sup>a</sup>    | 0.0071 J  | 0.010  | 0.0025  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Barium <sup>a</sup>     | 0.104 J   | 0.20   | 0.00050 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium               | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Boron                   | 0.151     | 0.10   | 0.0032  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium                 | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Calcium                 | 74.8      | 5.0    | 0.069   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Chromium                | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt <sup>a</sup>     | 0.0010 J  | 0.0050 | 0.00040 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Copper <sup>a</sup>     | 0.0037 J  | 0.010  | 0.0018  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium               | 13.1      | 5.0    | 0.023   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Manganese <sup>a</sup>  | 0.00020 J | 0.015  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum <sup>a</sup> | 0.0039 J  | 0.020  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Nickel                  | 0.0052    | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Potassium <sup>a</sup>  | 9.88 J    | 10     | 0.035   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Silver                  | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Sodium                  | 78.4      | 10     | 0.025   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Strontium               | 0.626     | 0.010  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Thallium                | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Uranium                 | 0.0060    | 0.0010 | 0.00010 | mg/l  | 1  | 01/22/16 | 02/02/16 RS | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium <sup>a</sup>   | 0.0073 J  | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Zinc <sup>a</sup>       | 0.0102 J  | 0.020  | 0.0031  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |

(1) Instrument QC Batch: MA5556

(2) Instrument QC Batch: MA5573

(3) Prep QC Batch: MP10739

(4) Prep QC Batch: MP10740

(a) AZ:E4

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW4-011316                                        | <b>Date Sampled:</b> 01/13/16  |
| <b>Lab Sample ID:</b> C43666-9                                                | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## General Chemistry

| Analyte                                | Result | RL   | MDL   | Units | DF | Analyzed          | By            | Method |
|----------------------------------------|--------|------|-------|-------|----|-------------------|---------------|--------|
| Alkalinity, Bicarbonate                | 286    | 5.0  | 5.0   | mg/l  | 1  | 01/22/16 12:30 DQ | SM2320        | B-97   |
| Alkalinity, Carbonate                  | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 01/22/16 12:30 DQ | SM2320        | B-97   |
| Alkalinity, Total as CaCO <sub>3</sub> | 286    | 5.0  | 1.5   | mg/l  | 1  | 01/22/16 12:30 DQ | SM2320        | B-97   |
| Chloride                               | 68.0   | 5.0  | 0.58  | mg/l  | 10 | 01/20/16 21:05 PH | EPA 300/SW846 | 9056A  |
| Hydroxide Alkalinity                   | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 01/22/16 12:30 DQ | SM2320        | B-97   |
| Nitrogen, Nitrate + Nitrite            | 0.60   | 0.10 | 0.041 | mg/l  | 1  | 01/16/16 15:15 EB | SM4500-NO3    | E-00   |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.18 U | 0.50 | 0.18  | mg/l  | 1  | 01/25/16          | ATXEPA 351.2  |        |
| Solids, Total Dissolved                | 721    | 10   | 2.5   | mg/l  | 1  | 01/16/16 13:30 DQ | SM2540        | C-97   |
| Sulfate                                | 189    | 5.0  | 1.0   | mg/l  | 10 | 01/20/16 21:05 PH | EPA 300/SW846 | 9056A  |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW4-011316                                        | <b>Date Sampled:</b> 01/13/16  |
| <b>Lab Sample ID:</b> C43666-9F                                               | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum                | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Antimony                | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic <sup>a</sup>    | 0.0076 J  | 0.010  | 0.0025  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Barium <sup>a</sup>     | 0.0832 J  | 0.20   | 0.00050 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium               | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Boron                   | 0.223     | 0.10   | 0.0032  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium                 | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Calcium                 | 97.8      | 5.0    | 0.069   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Chromium                | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt <sup>a</sup>     | 0.0014 J  | 0.0050 | 0.00040 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Copper <sup>a</sup>     | 0.0032 J  | 0.010  | 0.0018  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium               | 31.2      | 5.0    | 0.023   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Manganese <sup>a</sup>  | 0.00080 J | 0.015  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum <sup>a</sup> | 0.0057 J  | 0.020  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Nickel                  | 0.0061    | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Potassium <sup>a</sup>  | 8.88 J    | 10     | 0.035   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Silver                  | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Sodium                  | 91.6      | 10     | 0.025   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Strontium               | 0.728     | 0.010  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Thallium                | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Uranium                 | 0.0765    | 0.0010 | 0.00010 | mg/l  | 1  | 01/22/16 | 02/02/16 RS | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium <sup>a</sup>   | 0.0068 J  | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Zinc                    | 0.0688    | 0.020  | 0.0031  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |

(1) Instrument QC Batch: MA5556

(2) Instrument QC Batch: MA5573

(3) Prep QC Batch: MP10739

(4) Prep QC Batch: MP10740

(a) AZ:E4

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW5-011316                                        | <b>Date Sampled:</b> 01/13/16  |
| <b>Lab Sample ID:</b> C43666-10                                               | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## General Chemistry

| Analyte                                | Result | RL   | MDL   | Units | DF | Analyzed          | By            | Method |
|----------------------------------------|--------|------|-------|-------|----|-------------------|---------------|--------|
| Alkalinity, Bicarbonate                | 250    | 5.0  | 5.0   | mg/l  | 1  | 01/22/16 12:30 DQ | SM2320        | B-97   |
| Alkalinity, Carbonate                  | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 01/22/16 12:30 DQ | SM2320        | B-97   |
| Alkalinity, Total as CaCO <sub>3</sub> | 250    | 5.0  | 1.5   | mg/l  | 1  | 01/22/16 12:30 DQ | SM2320        | B-97   |
| Chloride                               | 62.9   | 5.0  | 0.58  | mg/l  | 10 | 01/20/16 21:22 PH | EPA 300/SW846 | 9056A  |
| Hydroxide Alkalinity                   | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 01/22/16 12:30 DQ | SM2320        | B-97   |
| Nitrogen, Nitrate + Nitrite            | 0.27   | 0.10 | 0.041 | mg/l  | 1  | 01/16/16 15:15 EB | SM4500-NO3    | E-00   |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.18 U | 0.50 | 0.18  | mg/l  | 1  | 01/25/16          | ATXEPA 351.2  |        |
| Solids, Total Dissolved                | 496    | 10   | 2.5   | mg/l  | 1  | 01/16/16 13:30 DQ | SM2540        | C-97   |
| Sulfate                                | 71.4   | 5.0  | 1.0   | mg/l  | 10 | 01/20/16 21:22 PH | EPA 300/SW846 | 9056A  |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW5-011316                                        | <b>Date Sampled:</b> 01/13/16  |
| <b>Lab Sample ID:</b> C43666-10F                                              | <b>Date Received:</b> 01/14/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum                | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Antimony                | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic <sup>a</sup>    | 0.0063 J  | 0.010  | 0.0025  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Barium <sup>a</sup>     | 0.0606 J  | 0.20   | 0.00050 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium               | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Boron                   | 0.198     | 0.10   | 0.0032  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium                 | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Calcium                 | 66.4      | 5.0    | 0.069   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Chromium                | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt <sup>a</sup>     | 0.0020 J  | 0.0050 | 0.00040 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Copper <sup>a</sup>     | 0.0026 J  | 0.010  | 0.0018  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium               | 15.3      | 5.0    | 0.023   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Manganese               | 0.408     | 0.015  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum <sup>a</sup> | 0.0084 J  | 0.020  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Nickel                  | 0.0060    | 0.0050 | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Potassium <sup>a</sup>  | 8.09 J    | 10     | 0.035   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Silver                  | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Sodium                  | 80.3      | 10     | 0.025   | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Strontium               | 0.550     | 0.010  | 0.00020 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Thallium                | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Uranium                 | 0.0129    | 0.0010 | 0.00010 | mg/l  | 1  | 01/22/16 | 02/02/16 RS | EPA 200.8 <sup>2</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium <sup>a</sup>   | 0.0040 J  | 0.010  | 0.00060 | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |
| Zinc                    | 0.0031 U  | 0.020  | 0.0031  | mg/l  | 1  | 01/22/16 | 01/22/16 RS | EPA 200.7 <sup>1</sup> | EPA 200.7 <sup>3</sup> |

(1) Instrument QC Batch: MA5556

(2) Instrument QC Batch: MA5573

(3) Prep QC Batch: MP10739

(4) Prep QC Batch: MP10740

(a) AZ:E4

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody



PHOENIX

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

1 of 5

FED-EX Tracking # 8016 0436 1190
Accutest Order # Bottle Order Control #
Accutest NC Job #: C 043666

Client / Reporting Information, Project Information, Requested Analysis, Matrix Codes

Table with columns: Sample ID, Sample ID / Field Point / Point of Collection, Date, Time, Sampled by, Matrix, Number of preserved Bottles (various methods), and Matrix Codes.

Turnaround Time (Business days), Approved By / Date, Data Deliverable Information, Comments / Remarks

Emergency TIA data available VIA Lablink, Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by, Received by, Date, Time, Custody Seal #, Appropriate Bottle / Pres. Y / N, Headspace Y / N, On Ice Y / N, Cooler Temp.

20FS

**CHAIN OF CUSTODY**

2105 Lundy Ave, San Jose, CA 95131  
(408) 588-0200 FAX: (408) 588-0201

Tracking # **04032105095** Bottle Order Control #  
Accutest Quote # **C043666** Accutest NC Job #: C

Client / Reporting Information: **Weston Solutions** Project Information: **LA BAJADA mine site**  
Address: **960 W. Elliot Rd., #101** Street: **SANTA FE NATIONAL FOREST**  
City: **Tempe** State: **AZ** Zip: **85284** City: **SANTA FE** State: **NM**  
Project Contact: **BARB WELINGTON** Project #: **12767.201.001.0020**  
Phone #: **(480) 477-4911** EMAIL: **B.WELINGTON@WESTON-SOLUTIONS.COM**  
Sampler's Name: **G. ROUSSOS** Client Purchase Order #

| Accutest Sample ID | Sample ID / Field Point / Point of Collection | Date     | Time | Collection |        | Number of preserved Bottles |     |    |      |       |        |       |        |      |        |            |        | Requested Analysis | Matrix Codes |    |    |    |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|-----------------------------------------------|----------|------|------------|--------|-----------------------------|-----|----|------|-------|--------|-------|--------|------|--------|------------|--------|--------------------|--------------|----|----|----|-----|-----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                    |                                               |          |      | Sampled by | Matrix | # of bottles                | ICE | PH | WASH | CHLOR | ISOPAN | NOBLE | HAZCON | MEQN | ISOPAN | DISPOSABLE | MS/MSD |                    |              | SW | GW | SO | LIO | AIR | DW |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3                  | LB-MW7-011216                                 | 11/12/16 | 1440 | GR         | GW     | 8                           |     |    | 2    | 1     |        |       |        |      |        |            |        | X                  | X            | X  | X  |    |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4                  | LB-ES1-011316                                 | 11/13/16 |      | GR         | W      | 2                           |     |    | 2    |       |        |       |        |      |        |            |        | X                  | X            |    |    |    |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |
| XX LAST item       |                                               |          |      |            |        |                             |     |    |      |       |        |       |        |      |        |            |        |                    |              |    |    |    |     |     |    |  |  |  |  |  |  |  |  |  |  |  |  |  |

DISPOSABLE METALS  
LEPA 200-71 200.8  
COMPOUND BA 236/238  
LEPA 903/904  
TDS (SM 2540C)  
TOTAL ALKALIMITY/CAPACITY  
DISPOSABLE/INORGANIC  
(SM/23200)  
CYNIDE / SULFIDE  
(EPA 900.0)  
ARSENIC (EPA 900.0)  
(SM 4500)

Matrix Codes:  
WW- Wastewater  
GW- Ground Water  
SW- Surface Water  
SO- Soil  
LIQ- Non-aqueous Liquid  
AIR  
DW- Drinking Water (Perchlorate Only)

4.1  
4

Turnaround Time (Business days):   
 10 Day  5 Day  3 Day  2 Day  1 Day  Same Day  
 Approved By / Date: \_\_\_\_\_  
 Commercial "A" - Results only  
 Commercial "B" - Results with QC summaries  
 Commercial "D+" - Results, QC, and chromatograms  
 FULLY - Level 4 data package  
 EDF for Geotracker  EDD Format \_\_\_\_\_  
 Provide EDF Global ID: \_\_\_\_\_  
 Provide EDF Logcode: \_\_\_\_\_  
 Comments / Remarks: **# please perform MS/MSD on LB-MW7-011216\***

Emergency TIA data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery.

|   |                  |            |              |            |                  |            |              |            |
|---|------------------|------------|--------------|------------|------------------|------------|--------------|------------|
| 1 | Relinquished by: | Date/Time: | Received By: | Date/Time: | Relinquished by: | Date/Time: | Received By: | Date/Time: |
| 2 | Relinquished by: | Date/Time: | Received By: | Date/Time: | Relinquished by: | Date/Time: | Received By: | Date/Time: |
| 3 | Relinquished by: | Date/Time: | Received By: | Date/Time: | Relinquished by: | Date/Time: | Received By: | Date/Time: |
| 4 | Relinquished by: | Date/Time: | Received By: | Date/Time: | Relinquished by: | Date/Time: | Received By: | Date/Time: |
| 5 | Relinquished by: | Date/Time: | Received By: | Date/Time: | Relinquished by: | Date/Time: | Received By: | Date/Time: |

1: [Signature], 11/13/16 1400, Fedex  
 2: [Signature], 11/14/16 9:15  
 4: [Signature]

40/30  
B

3 of 5

8016 0436 1204  
 Accutest Quote #  
 Bottle Order Control #  
 Accutest NC Job #: **043666**

| Client / Reporting Information                                                                                                                                                                               |                                               |                                  |      | Project Information                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                               |    | Requested Analysis                                                                                                                                |      |                                 |      |                                           |     |                    |     |                  |   | Matrix Codes                                                                                                                                                          |   |   |   |   |   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------------------------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------|------|-------------------------------------------|-----|--------------------|-----|------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|
| Company Name: <b>Weston Solutions</b>                                                                                                                                                                        |                                               |                                  |      | Project Name: <b>LA BAJADA MINE SITE</b>                                                                                                                                                                                                                                                                                                                                                                                                                |        |                               |    | TRS (sm 2540C)<br>Total Alkalinity (Granose / Granose / Granose) (sm 2320B)<br>Chloride / Sulfate (EPA 300-0)<br>Nitrate + Nitrite / TN (sm 4308) |      |                                 |      |                                           |     |                    |     |                  |   | WW- Wastewater<br>GW- Ground Water<br>SW- Surface Water<br>SO- Soil<br>CI- Oil<br>WF- Wipe<br>LIQ- Non-aqueous Liquid<br>AIR<br>DW- Drinking Water (Perchlorate Only) |   |   |   |   |   |
| Address: <b>900 W. Elliot Rd, #101</b>                                                                                                                                                                       |                                               |                                  |      | Street: <b>SANTA FE NATIONAL FOREST</b>                                                                                                                                                                                                                                                                                                                                                                                                                 |        |                               |    |                                                                                                                                                   |      |                                 |      |                                           |     |                    |     |                  |   | LAB USE ONLY                                                                                                                                                          |   |   |   |   |   |
| City: <b>Tempe</b> State: <b>AZ</b> Zip: <b>85284</b>                                                                                                                                                        |                                               |                                  |      | City: <b>SANTA FE COUNTY</b> State: <b>NM</b>                                                                                                                                                                                                                                                                                                                                                                                                           |        |                               |    |                                                                                                                                                   |      |                                 |      |                                           |     |                    |     |                  |   |                                                                                                                                                                       |   |   |   |   |   |
| Project Contact: <b>Barb Wethington</b>                                                                                                                                                                      |                                               |                                  |      | Project #: <b>12767-201-001-0020</b>                                                                                                                                                                                                                                                                                                                                                                                                                    |        |                               |    |                                                                                                                                                   |      |                                 |      |                                           |     |                    |     |                  |   |                                                                                                                                                                       |   |   |   |   |   |
| Phone #: <b>(480) 477-4911</b>                                                                                                                                                                               |                                               |                                  |      | EMAIL: <b>B.Wethington@westonsolutions.com</b>                                                                                                                                                                                                                                                                                                                                                                                                          |        |                               |    |                                                                                                                                                   |      |                                 |      |                                           |     |                    |     |                  |   |                                                                                                                                                                       |   |   |   |   |   |
| Sampler's Name: <b>G. Roussos</b>                                                                                                                                                                            |                                               |                                  |      | Client Purchase Order #: <b>LOM</b>                                                                                                                                                                                                                                                                                                                                                                                                                     |        |                               |    |                                                                                                                                                   |      |                                 |      |                                           |     |                    |     |                  |   |                                                                                                                                                                       |   |   |   |   |   |
| Accutest Sample ID                                                                                                                                                                                           | Sample ID / Field Point / Point of Collection | Collection                       |      | Number of preserved Bottles                                                                                                                                                                                                                                                                                                                                                                                                                             |        |                               |    |                                                                                                                                                   |      |                                 |      |                                           |     | LAB USE ONLY       |     |                  |   |                                                                                                                                                                       |   |   |   |   |   |
|                                                                                                                                                                                                              |                                               | Date                             | Time | Sampled by                                                                                                                                                                                                                                                                                                                                                                                                                                              | Matrix | # of bottles                  | IS | MSA                                                                                                                                               | INOC | MSDA                            | NONE | UNDO                                      | MSD |                    | MSD |                  |   |                                                                                                                                                                       |   |   |   |   |   |
| 5                                                                                                                                                                                                            | LB-SW1-011216                                 | 1/12/16                          | 0900 | GR                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SW     | 4                             |    |                                                                                                                                                   | 2    | 1                               | 1    |                                           |     |                    |     |                  | X | X                                                                                                                                                                     | X | X | X | X |   |
| 6                                                                                                                                                                                                            | LB-SW2-011216                                 | 1/14/16                          | 0800 | GR                                                                                                                                                                                                                                                                                                                                                                                                                                                      | SW     | 4                             |    |                                                                                                                                                   | 2    | 1                               | 1    |                                           |     |                    |     |                  | X | X                                                                                                                                                                     | X | X | X | X |   |
| <del>HA1111 item</del>                                                                                                                                                                                       |                                               |                                  |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |                               |    |                                                                                                                                                   |      |                                 |      |                                           |     |                    |     |                  |   |                                                                                                                                                                       |   |   |   |   | X |
| Turnaround Time (Business days)                                                                                                                                                                              |                                               |                                  |      | Data Deliverable Information                                                                                                                                                                                                                                                                                                                                                                                                                            |        |                               |    | Comments / Remarks                                                                                                                                |      |                                 |      |                                           |     |                    |     |                  |   |                                                                                                                                                                       |   |   |   |   |   |
| <input type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |                                               |                                  |      | Approved By / Date: _____<br><input type="checkbox"/> Commercial "A" - Results only<br><input type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B*" - Results, GC, and chromatograms<br><input type="checkbox"/> FULL1 - Level 4 data package<br><input type="checkbox"/> EDF for Geotracker <input type="checkbox"/> EDD Format _____<br>Provide EDF Global ID: _____<br>Provide EDF Logcode: _____ |        |                               |    |                                                                                                                                                   |      |                                 |      |                                           |     |                    |     |                  |   |                                                                                                                                                                       |   |   |   |   |   |
| Emergency TIA data available VIA Lablink                                                                                                                                                                     |                                               |                                  |      | Sample Custody must be documented below each time samples change possession, including courier delivery.                                                                                                                                                                                                                                                                                                                                                |        |                               |    |                                                                                                                                                   |      |                                 |      |                                           |     |                    |     |                  |   |                                                                                                                                                                       |   |   |   |   |   |
| Relinquished by Sampler: <b>Guy King</b>                                                                                                                                                                     |                                               | Date Time: <b>1/13/16</b>        |      | Received By: <b>Fedex</b>                                                                                                                                                                                                                                                                                                                                                                                                                               |        | Relinquished By: <b>Felix</b> |    | Date Time: <b>1/14/16 0915</b>                                                                                                                    |      | Received By: <b>[Signature]</b> |      | Date Time: _____                          |     | Received By: _____ |     | Date Time: _____ |   | Received By: _____                                                                                                                                                    |   |   |   |   |   |
| Relinquished by:                                                                                                                                                                                             |                                               | Date Time: <b>1/14/16</b>        |      | Received By: <b>3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                   |        | Relinquished By: <b>4</b>     |    | Date Time: _____                                                                                                                                  |      | Received By: _____              |      | Date Time: _____                          |     | Received By: _____ |     | Date Time: _____ |   | Received By: _____                                                                                                                                                    |   |   |   |   |   |
| Relinquished by:                                                                                                                                                                                             |                                               | Date Time: _____                 |      | Received By: _____                                                                                                                                                                                                                                                                                                                                                                                                                                      |        | Relinquished By: _____        |    | Date Time: _____                                                                                                                                  |      | Received By: _____              |      | Date Time: _____                          |     | Received By: _____ |     | Date Time: _____ |   | Received By: _____                                                                                                                                                    |   |   |   |   |   |
| Custody Seal # <b>1062</b>                                                                                                                                                                                   |                                               | Appropriate Bottle / Pres. Y / N |      | Headspace Y / N                                                                                                                                                                                                                                                                                                                                                                                                                                         |        | On Ice Y / N                  |    | Cooler Temp. <b>4.1 / 32.0</b>                                                                                                                    |      | Labels match Coc? Y / N         |      | Separate Receiving Check List used? Y / N |     |                    |     |                  |   |                                                                                                                                                                       |   |   |   |   |   |

4.1 4



PHOENIX

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

4 of 5

Accutest Quota: 0376 04361215
Bottle Order Control #: C436666
Accutest NC Job #: C

Client / Reporting Information: Weston Solutions, Inc.
Project Information: La Bajada Mine Site
Address: 900 W. Elliot Rd, #101, Tempe, AZ 85284
City: Santa Fe National Forest, Santa Fe County, NM
Project Contact: Barb Wethington
Phone #: (480) 477-4911
Project #: 12767.201.001.0020
Email: B.Wethington@westonsolutions.com
Sampler's Name: G. Roussos

Table with columns: Sample ID, Sample ID / Field Point / Point of Collection, Date, Time, Sampled by, Matrix, # of bottles, and various analysis parameters (METALS, CATIONS, ANIONS, etc.). Includes handwritten entries for LB-MW1-011216 and LB-MW2-011216.

Turnaround Time (Business days): 10 Day, 5 Day, 3 Day, 2 Day, 1 Day, Same Day
Approved By / Date:
Data Deliverable Information: Commercial "A", "B", "D", FULT1, EDF for Geotracker, EDD Format
Emergency TIA data available VIA Lablink

Chain of Custody Tracking:
1. Relinquished by: [Signature], Date Time: 11/13/16
2. Received by: FedEx, Date Time: 11/14/16 9:15
3. Relinquished by: [Signature], Date Time: 1400
4. Received by: [Signature], Date Time:
5. Relinquished by:
6. Received by:
Labels match Coc? Y / N
Separate Receiving Check List used: Y / N 1.7-0.9-0.8

4.1 4



PHOENIX

CHAIN OF CUSTODY

50F5

ACCUTEST LABORATORIES

2105 Lundy Ave, San Jose, CA 95131  
(408) 588-0200 FAX: (408) 588-0201

FED ID# 0104361224  
Accutest Quote #  
Bottle Order Control #  
Accutest NC Job #: C 043666

| Client / Reporting Information                                                                                                                                                                               |                                               | Project Information                                                                                      |      | Requested Analysis                                                                                                                                                                                                                                                                                                                                                                                      |        |                |    |                  |      |            |      |              |       | Matrix Codes                                                                                                                                                             |      |  |  |   |   |   |   |   |   |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------|----|------------------|------|------------|------|--------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--|--|---|---|---|---|---|---|--|
| Company Name<br>Weston Solutions                                                                                                                                                                             |                                               | Project Name<br>LB Bajada Mine Site                                                                      |      | DISSEMINATED METALS<br>(EPA 200.7/200.8)<br>COMBINED EA 226/228<br>(EPA 903/904)<br>TDS (SM 2540 C)<br>TOTAL ALK/COMPOUNTS<br>BIGRA/HYDROIDE (SM 2320 B)<br>CHLORIDE / SULFATE<br>(EPA 300.0)<br>NITROGEN / PHOSPHORUS / TEN<br>(SM 4500)                                                                                                                                                               |        |                |    |                  |      |            |      |              |       | WW- Wastewater<br>GW- Ground Water<br>SW- Surface Water<br>SO- Soil<br>GI- Oil<br>WP- Wipe<br>LIQ- Non-aqueous Liquid<br>AIR<br>DW- Drinking Water<br>(Perf. State Only) |      |  |  |   |   |   |   |   |   |  |
| Address<br>960 W. Elliot Rd, #101                                                                                                                                                                            |                                               | Street<br>SANTA FE NATIONAL FOREST                                                                       |      |                                                                                                                                                                                                                                                                                                                                                                                                         |        |                |    |                  |      |            |      |              |       |                                                                                                                                                                          |      |  |  |   |   |   |   |   |   |  |
| City<br>Tempe                                                                                                                                                                                                |                                               | City<br>Santa Fe County                                                                                  |      |                                                                                                                                                                                                                                                                                                                                                                                                         |        |                |    |                  |      |            |      |              |       |                                                                                                                                                                          |      |  |  |   |   |   |   |   |   |  |
| State<br>AZ                                                                                                                                                                                                  |                                               | State<br>NM                                                                                              |      |                                                                                                                                                                                                                                                                                                                                                                                                         |        |                |    |                  |      |            |      |              |       |                                                                                                                                                                          |      |  |  |   |   |   |   |   |   |  |
| Zip<br>85204                                                                                                                                                                                                 |                                               | Zip<br>NM                                                                                                |      |                                                                                                                                                                                                                                                                                                                                                                                                         |        |                |    |                  |      |            |      |              |       |                                                                                                                                                                          |      |  |  |   |   |   |   |   |   |  |
| Project Contact<br>Barb Wetnington                                                                                                                                                                           |                                               | Project #<br>12767.24P.001.0020                                                                          |      |                                                                                                                                                                                                                                                                                                                                                                                                         |        |                |    |                  |      |            |      |              |       |                                                                                                                                                                          |      |  |  |   |   |   |   |   |   |  |
| Phone #<br>(480) 477-4911                                                                                                                                                                                    |                                               | EMAIL<br>B.Wetnington@westonsolutions.com                                                                |      |                                                                                                                                                                                                                                                                                                                                                                                                         |        |                |    |                  |      |            |      |              |       |                                                                                                                                                                          |      |  |  |   |   |   |   |   |   |  |
| Sampler's Name<br>G. ROUSSOS                                                                                                                                                                                 |                                               | Client Purchase Order #                                                                                  |      |                                                                                                                                                                                                                                                                                                                                                                                                         |        |                |    |                  |      |            |      |              |       |                                                                                                                                                                          |      |  |  |   |   |   |   |   |   |  |
| Accutest Sample ID                                                                                                                                                                                           | Sample ID / Field Point / Point of Collection | Collection                                                                                               |      | Number of preserved Bottles                                                                                                                                                                                                                                                                                                                                                                             |        |                |    |                  |      |            |      |              |       | LAB USE ONLY                                                                                                                                                             |      |  |  |   |   |   |   |   |   |  |
|                                                                                                                                                                                                              |                                               | Date                                                                                                     | Time | Sampled by                                                                                                                                                                                                                                                                                                                                                                                              | Matrix | # of bottles   | TO | BO               | INCO | OSCA       | MONO | BIPO         | BIPOC |                                                                                                                                                                          | INCO |  |  |   |   |   |   |   |   |  |
| 9                                                                                                                                                                                                            | LB-MW 4 - 011316                              | 11/13/16                                                                                                 | 1125 | GR                                                                                                                                                                                                                                                                                                                                                                                                      | GW     | 4              |    |                  | 2    | 1          | 1    |              |       |                                                                                                                                                                          |      |  |  | X | X | X | X | X | X |  |
| 10                                                                                                                                                                                                           | LB-MW 5 - 011316                              | 11/13/16                                                                                                 | 940  | GR                                                                                                                                                                                                                                                                                                                                                                                                      | GW     | 4              |    |                  | 2    | 1          | 1    |              |       |                                                                                                                                                                          |      |  |  | X | X | X | X | X | X |  |
| <del>LAST ITEM</del>                                                                                                                                                                                         |                                               |                                                                                                          |      |                                                                                                                                                                                                                                                                                                                                                                                                         |        |                |    |                  |      |            |      |              |       | XX                                                                                                                                                                       |      |  |  |   |   |   |   |   |   |  |
| Turnaround Time ( Business days)                                                                                                                                                                             |                                               | Approved By / Date:                                                                                      |      | Data Deliverable Information                                                                                                                                                                                                                                                                                                                                                                            |        |                |    |                  |      |            |      |              |       | Comments / Remarks                                                                                                                                                       |      |  |  |   |   |   |   |   |   |  |
| <input type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |                                               |                                                                                                          |      | <input type="checkbox"/> Commercial "A" - Results only<br><input type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B*" - Results, QC, and chromatograms<br><input type="checkbox"/> FURT1 - Level 4 data package<br><input type="checkbox"/> EDF for Geotracker <input type="checkbox"/> EDD Format<br>Provide EDF Global ID<br>Provide EDF Logcode: |        |                |    |                  |      |            |      |              |       |                                                                                                                                                                          |      |  |  |   |   |   |   |   |   |  |
| Emergency TIA data available VIA Lablink                                                                                                                                                                     |                                               | Sample Custody must be documented below each time samples change possession, including courier delivery. |      |                                                                                                                                                                                                                                                                                                                                                                                                         |        |                |    |                  |      |            |      |              |       |                                                                                                                                                                          |      |  |  |   |   |   |   |   |   |  |
| Relinquished by Sampler:                                                                                                                                                                                     |                                               | Date Time:                                                                                               |      | Received By:                                                                                                                                                                                                                                                                                                                                                                                            |        | Date Time:     |    | Relinquished By: |      | Date Time: |      | Received By: |       |                                                                                                                                                                          |      |  |  |   |   |   |   |   |   |  |
| 1                                                                                                                                                                                                            |                                               | 11/13/16                                                                                                 |      | Fedex                                                                                                                                                                                                                                                                                                                                                                                                   |        | 11/14/16 09:25 |    | [Signature]      |      |            |      |              |       |                                                                                                                                                                          |      |  |  |   |   |   |   |   |   |  |
| Relinquished by:                                                                                                                                                                                             |                                               | Date Time:                                                                                               |      | Received By:                                                                                                                                                                                                                                                                                                                                                                                            |        | Date Time:     |    | Relinquished By: |      | Date Time: |      | Received By: |       |                                                                                                                                                                          |      |  |  |   |   |   |   |   |   |  |
| 3                                                                                                                                                                                                            |                                               |                                                                                                          |      |                                                                                                                                                                                                                                                                                                                                                                                                         |        |                |    |                  |      |            |      |              |       |                                                                                                                                                                          |      |  |  |   |   |   |   |   |   |  |
| Relinquished by:                                                                                                                                                                                             |                                               | Date Time:                                                                                               |      | Received By:                                                                                                                                                                                                                                                                                                                                                                                            |        | Date Time:     |    | Relinquished By: |      | Date Time: |      | Received By: |       |                                                                                                                                                                          |      |  |  |   |   |   |   |   |   |  |
| 5                                                                                                                                                                                                            |                                               |                                                                                                          |      | WACT                                                                                                                                                                                                                                                                                                                                                                                                    |        |                |    |                  |      |            |      |              |       | 2.3/1.4 <sup>oc</sup>                                                                                                                                                    |      |  |  |   |   |   |   |   |   |  |

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C43666: Chain of Custody

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LB



# Accutest Laboratories Sample Receipt Summary

Accutest Job Number: C43666 Client: WESTON SOLUTIONS Project: LA BAJADA MINE SITE  
 Date / Time Received: 1/14/2016 9:15:00 AM Delivery Method: \_\_\_\_\_ Airbill #s: 807604361190

Cooler Temps (Initial/Adjusted): #1: (3.1/2.2); #2: (4/3.1); #3: (4.1/3.2); #4: (1.7/0.8); #5: (2.3/1.4);

| <u>Cooler Security</u>    |                                     | <u>Y</u> | <u>or</u>                | <u>N</u> |                       | <u>Y</u>                            | <u>or</u> | <u>N</u>                 |
|---------------------------|-------------------------------------|----------|--------------------------|----------|-----------------------|-------------------------------------|-----------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> |          | <input type="checkbox"/> |          | 3. COC Present:       | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input checked="" type="checkbox"/> |          | <input type="checkbox"/> |          | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |

| <u>Cooler Temperature</u>  |                                     | <u>Y</u> | <u>or</u>                | <u>N</u> |
|----------------------------|-------------------------------------|----------|--------------------------|----------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> |          | <input type="checkbox"/> |          |
| 2. Therm ID:               | <u>IR3;</u>                         |          |                          |          |
| 3. Cooler media:           | <u>Ice (Bag)</u>                    |          |                          |          |
| 4. No. Coolers:            | <u>5</u>                            |          |                          |          |

| <u>Quality Control Preservation</u> | <u>Y</u>                            | <u>or</u> | <u>N</u>                 | <u>N/A</u>                          |
|-------------------------------------|-------------------------------------|-----------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler:     | <input type="checkbox"/>            |           | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC:        | <input type="checkbox"/>            |           | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly:      | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |                                     |
| 4. VOCs headspace free:             | <input type="checkbox"/>            |           | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

| <u>Sample Integrity - Documentation</u> |                                     | <u>Y</u> | <u>or</u>                | <u>N</u> |
|-----------------------------------------|-------------------------------------|----------|--------------------------|----------|
| 1. Sample labels present on bottles:    | <input checked="" type="checkbox"/> |          | <input type="checkbox"/> |          |
| 2. Container labeling complete:         | <input checked="" type="checkbox"/> |          | <input type="checkbox"/> |          |
| 3. Sample container label / COC agree:  | <input checked="" type="checkbox"/> |          | <input type="checkbox"/> |          |

| <u>Sample Integrity - Condition</u> |                                     | <u>Y</u> | <u>or</u>                | <u>N</u> |
|-------------------------------------|-------------------------------------|----------|--------------------------|----------|
| 1. Sample recvd within HT:          | <input checked="" type="checkbox"/> |          | <input type="checkbox"/> |          |
| 2. All containers accounted for:    | <input checked="" type="checkbox"/> |          | <input type="checkbox"/> |          |
| 3. Condition of sample:             | <u>Intact</u>                       |          |                          |          |

| <u>Sample Integrity - Instructions</u>    |                                     | <u>Y</u> | <u>or</u>                           | <u>N</u> | <u>N/A</u>                          |
|-------------------------------------------|-------------------------------------|----------|-------------------------------------|----------|-------------------------------------|
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> |          | <input type="checkbox"/>            |          |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            |          | <input checked="" type="checkbox"/> |          |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> |          | <input type="checkbox"/>            |          |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            |          | <input type="checkbox"/>            |          | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            |          | <input type="checkbox"/>            |          | <input checked="" type="checkbox"/> |

Comments

Accutest Laboratories  
V: 408.588.0200

2105 Lundy Avenue  
F: 408.588.0201

San Jose, CA 95131  
www.accutest.com

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## Metals Analysis

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### QC Data Summaries

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Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: C43666  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10739  
Matrix Type: AQUEOUS

Methods: EPA 200.7  
Units: ug/l

Prep Date: 01/22/16

| Metal      | RL    | IDL | MDL | MB<br>raw | final  |
|------------|-------|-----|-----|-----------|--------|
| Aluminum   | 200   | 14  | 27  | 5.8       | <200   |
| Antimony   | 6.0   | 1.2 | 1.2 | -0.30     | <6.0   |
| Arsenic    | 10    | 1.6 | 2.5 | 0.70      | <10    |
| Barium     | 200   | .2  | .5  | 0.0       | <200   |
| Beryllium  | 5.0   | .2  | .6  | 0.0       | <5.0   |
| Boron      | 100   | 1.8 | 3.2 | 2.0       | <100   |
| Cadmium    | 2.0   | .2  | .3  | 0.0       | <2.0   |
| Calcium    | 5000  | 28  | 69  | 1.6       | <5000  |
| Chromium   | 10    | .4  | .6  | -0.30     | <10    |
| Cobalt     | 5.0   | .3  | .4  | 0.0       | <5.0   |
| Copper     | 10    | 1.2 | 1.8 | 0.60      | <10    |
| Iron       | 200   | 5.3 | 11  |           |        |
| Lead       | 10    | 1   | 1.7 |           |        |
| Lithium    | 50    | 1.1 | 2.9 |           |        |
| Magnesium  | 5000  | 16  | 23  | -27       | <5000  |
| Manganese  | 15    | .2  | .2  | -0.10     | <15    |
| Molybdenum | 20    | .5  | .6  | 0.30      | <20    |
| Nickel     | 5.0   | .4  | .6  | 0.60      | <5.0   |
| Potassium  | 10000 | 35  | 35  | 4.3       | <10000 |
| Selenium   | 10    | 1.7 | 3.3 |           |        |
| Silicon    | 100   | 2.4 | 2.4 |           |        |
| Silver     | 5.0   | .5  | 1.5 | -0.40     | <5.0   |
| Sodium     | 10000 | 11  | 25  | -15       | <10000 |
| Strontium  | 10    | .1  | .2  | 0.0       | <10    |
| Thallium   | 10    | 1.7 | 4.8 | 1.9       | <10    |
| Tin        | 50    | .8  | 1.3 |           |        |
| Titanium   | 10    | .8  | .8  |           |        |
| Vanadium   | 10    | .6  | .6  | 0.0       | <10    |
| Zinc       | 20    | .5  | 3.1 | 1.2       | <20    |

Associated samples MP10739: C43666-1F, C43666-2F, C43666-3F, C43666-4F, C43666-5F, C43666-6F, C43666-7F, C43666-8F, C43666-9F, C43666-10F

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C43666  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10739  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 01/22/16

| Metal      | C43666-3F<br>Original MS |       | SpikeLot<br>MPIR5 | % Rec | QC<br>Limits |
|------------|--------------------------|-------|-------------------|-------|--------------|
| Aluminum   | 21.9                     | 12300 | 12500             | 98.2  | 70-130       |
| Antimony   | 0.0                      | 506   | 500               | 101.2 | 70-130       |
| Arsenic    | 6.9                      | 523   | 500               | 103.2 | 70-130       |
| Barium     | 45.9                     | 545   | 500               | 99.8  | 70-130       |
| Beryllium  | 0.0                      | 500   | 500               | 100.0 | 70-130       |
| Boron      | 185                      | 702   | 500               | 103.4 | 70-130       |
| Cadmium    | 0.0                      | 517   | 500               | 103.4 | 70-130       |
| Calcium    | 70800                    | 81800 | 12500             | 88.0  | 70-130       |
| Chromium   | 0.40                     | 494   | 500               | 98.7  | 70-130       |
| Cobalt     | 1.0                      | 499   | 500               | 99.6  | 70-130       |
| Copper     | 4.0                      | 498   | 500               | 98.8  | 70-130       |
| Iron       | anr                      |       |                   |       |              |
| Lead       | anr                      |       |                   |       |              |
| Lithium    |                          |       |                   |       |              |
| Magnesium  | 15800                    | 27800 | 12500             | 96.0  | 70-130       |
| Manganese  | 0.30                     | 509   | 500               | 101.7 | 70-130       |
| Molybdenum | 5.5                      | 501   | 500               | 99.1  | 70-130       |
| Nickel     | 4.5                      | 498   | 500               | 98.7  | 70-130       |
| Potassium  | 5760                     | 10700 | 5000              | 98.5  | 70-130       |
| Selenium   |                          |       |                   |       |              |
| Silicon    |                          |       |                   |       |              |
| Silver     | 0.0                      | 489   | 500               | 97.8  | 70-130       |
| Sodium     | 83100                    | 94700 | 12500             | 92.8  | 70-130       |
| Strontium  | 541                      | 1030  | 500               | 97.8  | -            |
| Thallium   | 1.8                      | 516   | 500               | 102.8 | 70-130       |
| Tin        |                          |       |                   |       |              |
| Titanium   |                          |       |                   |       |              |
| Vanadium   | 7.7                      | 489   | 500               | 96.3  | 70-130       |
| Zinc       | 1.8                      | 505   | 500               | 100.6 | 70-130       |

Associated samples MP10739: C43666-1F, C43666-2F, C43666-3F, C43666-4F, C43666-5F, C43666-6F, C43666-7F, C43666-8F, C43666-9F, C43666-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

5.12  
**5**

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C43666  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10739  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 01/22/16

| Metal      | C43666-3F<br>Original MSD | 12400 | SpikeLot<br>MPIR5 | % Rec | MSD<br>RPD | QC<br>Limit |
|------------|---------------------------|-------|-------------------|-------|------------|-------------|
| Aluminum   | 21.9                      | 12400 | 12500             | 99.0  | 0.8        | 20          |
| Antimony   | 0.0                       | 510   | 500               | 102.0 | 0.8        | 20          |
| Arsenic    | 6.9                       | 525   | 500               | 103.6 | 0.4        | 20          |
| Barium     | 45.9                      | 550   | 500               | 100.8 | 0.9        | 20          |
| Beryllium  | 0.0                       | 502   | 500               | 100.4 | 0.4        | 20          |
| Boron      | 185                       | 708   | 500               | 104.6 | 0.9        | 20          |
| Cadmium    | 0.0                       | 521   | 500               | 104.2 | 0.8        | 20          |
| Calcium    | 70800                     | 82800 | 12500             | 96.0  | 1.2        | 20          |
| Chromium   | 0.40                      | 501   | 500               | 100.1 | 1.4        | 20          |
| Cobalt     | 1.0                       | 503   | 500               | 100.4 | 0.8        | 20          |
| Copper     | 4.0                       | 506   | 500               | 100.4 | 1.6        | 20          |
| Iron       | anr                       |       |                   |       |            |             |
| Lead       | anr                       |       |                   |       |            |             |
| Lithium    |                           |       |                   |       |            |             |
| Magnesium  | 15800                     | 28200 | 12500             | 99.2  | 1.4        | 20          |
| Manganese  | 0.30                      | 516   | 500               | 103.1 | 1.4        | 20          |
| Molybdenum | 5.5                       | 507   | 500               | 100.3 | 1.2        | 20          |
| Nickel     | 4.5                       | 503   | 500               | 99.7  | 1.0        | 20          |
| Potassium  | 5760                      | 10800 | 5000              | 100.3 | 0.9        | 20          |
| Selenium   |                           |       |                   |       |            |             |
| Silicon    |                           |       |                   |       |            |             |
| Silver     | 0.0                       | 496   | 500               | 99.2  | 1.4        | 20          |
| Sodium     | 83100                     | 96100 | 12500             | 104.0 | 1.5        | 20          |
| Strontium  | 541                       | 1050  | 500               | 101.8 | 1.9        |             |
| Thallium   | 1.8                       | 523   | 500               | 104.2 | 1.3        | 20          |
| Tin        |                           |       |                   |       |            |             |
| Titanium   |                           |       |                   |       |            |             |
| Vanadium   | 7.7                       | 496   | 500               | 97.7  | 1.4        | 20          |
| Zinc       | 1.8                       | 510   | 500               | 101.6 | 1.0        | 20          |

Associated samples MP10739: C43666-1F, C43666-2F, C43666-3F, C43666-4F, C43666-5F, C43666-6F, C43666-7F, C43666-8F, C43666-9F, C43666-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

5.1.2  
**5**

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C43666  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10739  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 01/22/16

| Metal      | BSP Result | Spikelot MPIR5 | % Rec | QC Limits |
|------------|------------|----------------|-------|-----------|
| Aluminum   | 12200      | 12500          | 97.6  | 85-115    |
| Antimony   | 498        | 500            | 99.6  | 85-115    |
| Arsenic    | 505        | 500            | 101.0 | 85-115    |
| Barium     | 501        | 500            | 100.2 | 85-115    |
| Beryllium  | 502        | 500            | 100.4 | 85-115    |
| Boron      | 518        | 500            | 103.6 | 85-115    |
| Cadmium    | 515        | 500            | 103.0 | 85-115    |
| Calcium    | 12100      | 12500          | 96.8  | 85-115    |
| Chromium   | 509        | 500            | 101.8 | 85-115    |
| Cobalt     | 514        | 500            | 102.8 | 85-115    |
| Copper     | 495        | 500            | 99.0  | 85-115    |
| Iron       | anr        |                |       |           |
| Lead       | anr        |                |       |           |
| Lithium    |            |                |       |           |
| Magnesium  | 12100      | 12500          | 96.8  | 85-115    |
| Manganese  | 515        | 500            | 103.0 | 85-115    |
| Molybdenum | 502        | 500            | 100.4 | 85-115    |
| Nickel     | 490        | 500            | 98.0  | 85-115    |
| Potassium  | 4840       | 5000           | 96.8  | 85-115    |
| Selenium   |            |                |       |           |
| Silicon    |            |                |       |           |
| Silver     | 487        | 500            | 97.4  | 85-115    |
| Sodium     | 12000      | 12500          | 96.0  | 85-115    |
| Strontium  | 492        | 500            | 98.4  | -         |
| Thallium   | 526        | 500            | 105.2 | 85-115    |
| Tin        |            |                |       |           |
| Titanium   |            |                |       |           |
| Vanadium   | 488        | 500            | 97.6  | 85-115    |
| Zinc       | 523        | 500            | 104.6 | 85-115    |

Associated samples MP10739: C43666-1F, C43666-2F, C43666-3F, C43666-4F, C43666-5F, C43666-6F, C43666-7F, C43666-8F, C43666-9F, C43666-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C43666  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10739  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 01/22/16

| Metal      | C43666-3F<br>Original SDL 1:5 |       | %DIF      | QC<br>Limits |
|------------|-------------------------------|-------|-----------|--------------|
| Aluminum   | 21.9                          | 0.00  | 100.0 (a) | 0-10         |
| Antimony   | 0.00                          | 0.00  | NC        | 0-10         |
| Arsenic    | 6.90                          | 0.00  | 100.0 (a) | 0-10         |
| Barium     | 45.9                          | 46.9  | 2.2       | 0-10         |
| Beryllium  | 0.00                          | 0.00  | NC        | 0-10         |
| Boron      | 185                           | 185   | 0.2       | 0-10         |
| Cadmium    | 0.00                          | 0.00  | NC        | 0-10         |
| Calcium    | 70800                         | 72100 | 1.8       | 0-10         |
| Chromium   | 0.400                         | 0.00  | 100.0 (a) | 0-10         |
| Cobalt     | 1.00                          | 0.00  | 100.0 (a) | 0-10         |
| Copper     | 4.00                          | 0.00  | 100.0 (a) | 0-10         |
| Iron       | anr                           |       |           |              |
| Lead       | anr                           |       |           |              |
| Lithium    |                               |       |           |              |
| Magnesium  | 15800                         | 15900 | 0.8       | 0-10         |
| Manganese  | 0.300                         | 0.00  | 100.0 (a) | 0-10         |
| Molybdenum | 5.50                          | 6.50  | 18.2 (a)  | 0-10         |
| Nickel     | 4.50                          | 4.90  | 8.9       | 0-10         |
| Potassium  | 5760                          | 5670  | 1.7       | 0-10         |
| Selenium   |                               |       |           |              |
| Silicon    |                               |       |           |              |
| Silver     | 0.00                          | 0.00  | NC        | 0-10         |
| Sodium     | 83100                         | 83300 | 0.3       | 0-10         |
| Strontium  | 541                           | 555   | 2.5       | 0-           |
| Thallium   | 1.80                          | 0.00  | 100.0 (a) | 0-10         |
| Tin        |                               |       |           |              |
| Titanium   |                               |       |           |              |
| Vanadium   | 7.70                          | 8.80  | 14.3 (a)  | 0-10         |
| Zinc       | 1.80                          | 0.00  | 100.0 (a) | 0-10         |

Associated samples MP10739: C43666-1F, C43666-2F, C43666-3F, C43666-4F, C43666-5F, C43666-6F, C43666-7F, C43666-8F, C43666-9F, C43666-10F

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: C43666  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10740  
Matrix Type: AQUEOUS

Methods: EPA 200.8  
Units: ug/l

Prep Date: 01/22/16

| Metal      | RL   | IDL   | MDL  | MB<br>raw | final |
|------------|------|-------|------|-----------|-------|
| Aluminum   | 50   | 6.7   | 13   |           |       |
| Antimony   | 0.50 | .057  | .11  |           |       |
| Arsenic    | 1.0  | .052  | .081 |           |       |
| Barium     | 1.0  | .041  | .059 |           |       |
| Beryllium  | 0.50 | .044  | .044 |           |       |
| Boron      | 5.0  | .25   | 2    |           |       |
| Cadmium    | 0.50 | .032  | .043 |           |       |
| Calcium    | 500  | 11    | 99   |           |       |
| Chromium   | 4.0  | .028  | .11  |           |       |
| Cobalt     | 0.50 | .045  | .045 |           |       |
| Copper     | 4.0  | .13   | 1.9  |           |       |
| Iron       | 50   | 1.4   | 11   |           |       |
| Lead       | 0.50 | .024  | .048 |           |       |
| Magnesium  | 500  | 1.6   | 28   |           |       |
| Manganese  | 1.0  | .14   | .14  |           |       |
| Molybdenum | 1.0  | .24   | .24  |           |       |
| Nickel     | 4.0  | .085  | .15  |           |       |
| Potassium  | 500  | 10    | 23   |           |       |
| Selenium   | 1.0  | .15   | .15  |           |       |
| Silver     | 2.0  | .011  | .11  |           |       |
| Sodium     | 500  | 5.7   | 25   |           |       |
| Strontium  | 5.0  | .082  | .21  |           |       |
| Thallium   | 0.50 | .031  | .093 |           |       |
| Tin        | 5.0  | .12   | .87  |           |       |
| Titanium   | 1.0  | .13   | .16  |           |       |
| Vanadium   | 4.0  | .51   | .52  |           |       |
| Uranium    | 1.0  | .0056 | .1   | 0.00027   | <1.0  |
| Zinc       | 4.0  | .68   | 1.7  |           |       |

Associated samples MP10740: C43666-1F, C43666-2F, C43666-3F, C43666-4F, C43666-5F, C43666-6F, C43666-7F, C43666-8F, C43666-9F, C43666-10F

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C43666  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10740  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 01/22/16

| Metal      | C43666-3F<br>Original MS | SpikeLot<br>MPIR5 | % Rec | QC<br>Limits |
|------------|--------------------------|-------------------|-------|--------------|
| Aluminum   |                          |                   |       |              |
| Antimony   |                          |                   |       |              |
| Arsenic    |                          |                   |       |              |
| Barium     |                          |                   |       |              |
| Beryllium  |                          |                   |       |              |
| Boron      |                          |                   |       |              |
| Cadmium    |                          |                   |       |              |
| Calcium    |                          |                   |       |              |
| Chromium   |                          |                   |       |              |
| Cobalt     |                          |                   |       |              |
| Copper     |                          |                   |       |              |
| Iron       |                          |                   |       |              |
| Lead       |                          |                   |       |              |
| Magnesium  |                          |                   |       |              |
| Manganese  |                          |                   |       |              |
| Molybdenum |                          |                   |       |              |
| Nickel     |                          |                   |       |              |
| Potassium  |                          |                   |       |              |
| Selenium   |                          |                   |       |              |
| Silver     |                          |                   |       |              |
| Sodium     |                          |                   |       |              |
| Strontium  |                          |                   |       |              |
| Thallium   |                          |                   |       |              |
| Tin        |                          |                   |       |              |
| Titanium   |                          |                   |       |              |
| Vanadium   |                          |                   |       |              |
| Uranium    | 16.5                     | 520               | 500   | 100.7 70-130 |
| Zinc       |                          |                   |       |              |

Associated samples MP10740: C43666-1F, C43666-2F, C43666-3F, C43666-4F, C43666-5F, C43666-6F, C43666-7F, C43666-8F, C43666-9F, C43666-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

5.2.2  
 5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C43666  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10740  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 01/22/16

| Metal      | C43666-3F<br>Original MSD | SpikeLot<br>MPIR5 | % Rec | MSD<br>RPD | QC<br>Limit |    |
|------------|---------------------------|-------------------|-------|------------|-------------|----|
| Aluminum   |                           |                   |       |            |             |    |
| Antimony   |                           |                   |       |            |             |    |
| Arsenic    |                           |                   |       |            |             |    |
| Barium     |                           |                   |       |            |             |    |
| Beryllium  |                           |                   |       |            |             |    |
| Boron      |                           |                   |       |            |             |    |
| Cadmium    |                           |                   |       |            |             |    |
| Calcium    |                           |                   |       |            |             |    |
| Chromium   |                           |                   |       |            |             |    |
| Cobalt     |                           |                   |       |            |             |    |
| Copper     |                           |                   |       |            |             |    |
| Iron       |                           |                   |       |            |             |    |
| Lead       |                           |                   |       |            |             |    |
| Magnesium  |                           |                   |       |            |             |    |
| Manganese  |                           |                   |       |            |             |    |
| Molybdenum |                           |                   |       |            |             |    |
| Nickel     |                           |                   |       |            |             |    |
| Potassium  |                           |                   |       |            |             |    |
| Selenium   |                           |                   |       |            |             |    |
| Silver     |                           |                   |       |            |             |    |
| Sodium     |                           |                   |       |            |             |    |
| Strontium  |                           |                   |       |            |             |    |
| Thallium   |                           |                   |       |            |             |    |
| Tin        |                           |                   |       |            |             |    |
| Titanium   |                           |                   |       |            |             |    |
| Vanadium   |                           |                   |       |            |             |    |
| Uranium    | 16.5                      | 514               | 500   | 99.5       | 1.2         | 20 |
| Zinc       |                           |                   |       |            |             |    |

Associated samples MP10740: C43666-1F, C43666-2F, C43666-3F, C43666-4F, C43666-5F, C43666-6F, C43666-7F, C43666-8F, C43666-9F, C43666-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

5.2.2  
 5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C43666  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10740  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 01/22/16

| Metal      | BSP<br>Result | Spikelot<br>MPIR5 | % Rec | QC<br>Limits |
|------------|---------------|-------------------|-------|--------------|
| Aluminum   |               |                   |       |              |
| Antimony   |               |                   |       |              |
| Arsenic    |               |                   |       |              |
| Barium     |               |                   |       |              |
| Beryllium  |               |                   |       |              |
| Boron      |               |                   |       |              |
| Cadmium    |               |                   |       |              |
| Calcium    |               |                   |       |              |
| Chromium   |               |                   |       |              |
| Cobalt     |               |                   |       |              |
| Copper     |               |                   |       |              |
| Iron       |               |                   |       |              |
| Lead       |               |                   |       |              |
| Magnesium  |               |                   |       |              |
| Manganese  |               |                   |       |              |
| Molybdenum |               |                   |       |              |
| Nickel     |               |                   |       |              |
| Potassium  |               |                   |       |              |
| Selenium   |               |                   |       |              |
| Silver     |               |                   |       |              |
| Sodium     |               |                   |       |              |
| Strontium  |               |                   |       |              |
| Thallium   |               |                   |       |              |
| Tin        |               |                   |       |              |
| Titanium   |               |                   |       |              |
| Vanadium   |               |                   |       |              |
| Uranium    | 492           | 500               | 98.4  | 85-115       |
| Zinc       |               |                   |       |              |

Associated samples MP10740: C43666-1F, C43666-2F, C43666-3F, C43666-4F, C43666-5F, C43666-6F, C43666-7F, C43666-8F, C43666-9F, C43666-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C43666  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP10740  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 01/22/16

| Metal      | C43666-3F<br>Original SDL 1:5 | %DIF | QC<br>Limits |
|------------|-------------------------------|------|--------------|
| Aluminum   |                               |      |              |
| Antimony   |                               |      |              |
| Arsenic    |                               |      |              |
| Barium     |                               |      |              |
| Beryllium  |                               |      |              |
| Boron      |                               |      |              |
| Cadmium    |                               |      |              |
| Calcium    |                               |      |              |
| Chromium   |                               |      |              |
| Cobalt     |                               |      |              |
| Copper     |                               |      |              |
| Iron       |                               |      |              |
| Lead       |                               |      |              |
| Magnesium  |                               |      |              |
| Manganese  |                               |      |              |
| Molybdenum |                               |      |              |
| Nickel     |                               |      |              |
| Potassium  |                               |      |              |
| Selenium   |                               |      |              |
| Silver     |                               |      |              |
| Sodium     |                               |      |              |
| Strontium  |                               |      |              |
| Thallium   |                               |      |              |
| Tin        |                               |      |              |
| Titanium   |                               |      |              |
| Vanadium   |                               |      |              |
| Uranium    | 16.5                          | 16.3 | 1.6 0-10     |
| Zinc       |                               |      |              |

Associated samples MP10740: C43666-1F, C43666-2F, C43666-3F, C43666-4F, C43666-5F, C43666-6F, C43666-7F, C43666-8F, C43666-9F, C43666-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

## General Chemistry

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### QC Data Summaries

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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C43666  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                     | Batch ID       | RL   | MB Result | Units | Spike Amount | BSP Result | BSP %Recov | QC Limits |
|-----------------------------|----------------|------|-----------|-------|--------------|------------|------------|-----------|
| Alkalinity, Total as CaCO3  | GN18305        | 5.0  | 0.0       | mg/l  | 250          | 246        | 98.4       | 75-125%   |
| Alkalinity, Total as CaCO3  | GN18308        | 5.0  | 0.0       | mg/l  | 250          | 244        | 97.6       | 75-125%   |
| Chloride                    | GP8933/GN18300 | 0.50 | 0.0       | mg/l  | 5            | 4.80       | 96.0       | 90-110%   |
| Fluoride                    | GP8933/GN18300 | 0.10 | 0.0       | mg/l  | 5            | 4.93       | 98.6       | 90-110%   |
| Nitrogen, Nitrate           | GP8933/GN18300 | 0.10 | 0.0       | mg/l  | 5            | 4.79       | 95.8       | 90-110%   |
| Nitrogen, Nitrate + Nitrite | GN18270        | 0.10 | 0.0       | mg/l  | 0.2          | 0.22       | 108.2      | 85-115%   |
| Solids, Total Dissolved     | GN18269        | 10   | 5.0       | mg/l  | 1000         | 980        | 98.0       | 80-120%   |
| Sulfate                     | GP8933/GN18300 | 0.50 | 0.0       | mg/l  | 5            | 4.75       | 95.0       | 90-110%   |

Associated Samples:

Batch GP8933: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8, C43666-9, C43666-10  
 Batch GN18269: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8, C43666-9, C43666-10  
 Batch GN18270: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8, C43666-9, C43666-10  
 Batch GN18305: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8  
 Batch GN18308: C43666-9, C43666-10  
 (\*) Outside of QC limits

6.1  
6

BLANK SPIKE DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C43666  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                     | Batch ID       | Units | Spike Amount | BSD Result | RPD | QC Limit |
|-----------------------------|----------------|-------|--------------|------------|-----|----------|
| Alkalinity, Total as CaCO3  | GN18305        | mg/l  | 250          | 256        | 4.0 |          |
| Alkalinity, Total as CaCO3  | GN18308        | mg/l  | 250          | 242        | 0.8 |          |
| Chloride                    | GP8933/GN18300 | mg/l  | 5            | 4.80       | 0.0 | 25%      |
| Fluoride                    | GP8933/GN18300 | mg/l  | 5            | 4.90       | 0.6 |          |
| Nitrogen, Nitrate           | GP8933/GN18300 | mg/l  | 5            | 4.79       | 0.0 | 25%      |
| Nitrogen, Nitrate + Nitrite | GN18270        | mg/l  | 0.2          | 0.21       | 1.5 |          |
| Sulfate                     | GP8933/GN18300 | mg/l  | 5            | 4.75       | 0.0 | 25%      |

Associated Samples:

Batch GP8933: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8, C43666-9, C43666-10  
Batch GN18270: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8, C43666-9, C43666-10  
Batch GN18305: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8  
Batch GN18308: C43666-9, C43666-10  
(\* ) Outside of QC limits

6.2  
6

DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C43666  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                    | Batch ID | QC Sample | Units | Original Result | DUP Result | RPD | QC Limits |
|----------------------------|----------|-----------|-------|-----------------|------------|-----|-----------|
| Alkalinity, Total as CaCO3 | GN18305  | C43666-3  | mg/l  | 274             | 280        | 2.2 | 0-25%     |
| Alkalinity, Total as CaCO3 | GN18308  | C43769-1  | mg/l  | 96.0            | 94.0       | 2.1 | 0-25%     |
| Solids, Total Dissolved    | GN18269  | C43666-3  | mg/l  | 514             | 513        | 0.2 | 0-5%      |

Associated Samples:

Batch GN18269: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8, C43666-9, C43666-10

Batch GN18305: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8

Batch GN18308: C43666-9, C43666-10

(\* ) Outside of QC limits

6.3

6

MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C43666  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                     | Batch ID       | QC Sample | Units | Original Result | Spike Amount | MS Result | %Rec  | QC Limits |
|-----------------------------|----------------|-----------|-------|-----------------|--------------|-----------|-------|-----------|
| Chloride                    | GP8933/GN18300 | C43666-3  | mg/l  | 60.9            | 100          | 165       | 104.1 | 80-120%   |
| Fluoride                    | GP8933/GN18300 | C43666-3  | mg/l  | 0.79            | 100          | 94.8      | 93.5  | 80-120%   |
| Fluoride                    | GP8933/GN18300 | C43666-3  | mg/l  | 1.3             | 100          | 94.8      | 93.5  | 80-120%   |
| Nitrogen, Nitrate + Nitrite | GN18270        | C43666-3  | mg/l  | 0.18            | 0.2          | 0.41      | 118.0 | 75-125%   |
| Sulfate                     | GP8933/GN18300 | C43666-3  | mg/l  | 76.6            | 100          | 173       | 96.4  | 80-120%   |

Associated Samples:

Batch GP8933: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8, C43666-9, C43666-10  
Batch GN18270: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8, C43666-9, C43666-10

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

6.4  
6

MATRIX SPIKE DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C43666  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                     | Batch ID       | QC Sample | Units | Original Result | Spike Amount | MSD Result | RPD | QC Limit |
|-----------------------------|----------------|-----------|-------|-----------------|--------------|------------|-----|----------|
| Chloride                    | GP8933/GN18300 | C43666-3  | mg/l  | 60.9            | 100          | 165        | 0.0 |          |
| Fluoride                    | GP8933/GN18300 | C43666-3  | mg/l  | 0.79            | 100          | 94.9       | 0.1 |          |
| Fluoride                    | GP8933/GN18300 | C43666-3  | mg/l  | 1.3             | 100          | 94.9       | 0.1 |          |
| Nitrogen, Nitrate + Nitrite | GN18270        | C43666-3  | mg/l  | 0.18            | 0.2          | 0.42       | 1.6 |          |
| Sulfate                     | GP8933/GN18300 | C43666-3  | mg/l  | 76.6            | 100          | 173        | 0.0 |          |

Associated Samples:

Batch GP8933: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8, C43666-9, C43666-10  
Batch GN18270: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8, C43666-9, C43666-10

(\* ) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

6.5

6

## Misc. Forms

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### Custody Documents and Other Forms

(Accutest Laboratories Gulf Coast, Inc.)

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Includes the following where applicable:

- Chain of Custody



ACCUTEST

SGS Accutest ID and PO#: C43666

2105 Lundy Avenue, San Jose, CA 95131 Phone: (408) 588-0200 Fax: (408) 588-0201

### Subcontract Chain of Custody

Subcontract Lab: SGS Accutest – Gulf Coast/SPL-Houston  
Date Sent: 1/20/16  
Date Due: 1/28/16

Project Name: WESTAZT8135 (C43666)  
Project Location:

| SGS Accutest Lab Number | Customer Sample Name/Field Point ID | Matrix | Method         | Collect Date | Collect Time |
|-------------------------|-------------------------------------|--------|----------------|--------------|--------------|
| C43666-1                |                                     | GW     | TKN            | 1/12/16      |              |
| C43666-2                |                                     | GW     | TKN            | 1/12/16      |              |
| C43666-3                |                                     | GW     | TKN            | 1/12/16      |              |
| C43666-5                | (MS/MSD)                            |        | **RUN MS/MSD** | 1/12/16      |              |
| C43666-6                |                                     | GW     | TKN            | 1/12/16      |              |
| C43666-7                |                                     | GW     | TKN            | 1/12/16      |              |
| C43666-8                |                                     | GW     | TKN            | 1/12/16      |              |
| C43666-9                |                                     | GW     | TKN            | 1/12/16      |              |
| C43666-10               |                                     | GW     | TKN            | 1/13/16      |              |

Comments: C43666-3 requires MS/MSD

|                                         |                                  |                      |                   |
|-----------------------------------------|----------------------------------|----------------------|-------------------|
| Relinquished By: <u>Maureen Coleman</u> | Received By: FEDEX               | Date: 1/20/16        | Time: 1500        |
| Relinquished By: <u>Fed Ex</u>          | Received By: <u>Blanka Henry</u> | Date: <u>1/21/16</u> | Time: <u>0920</u> |
| Relinquished By:                        | Received By:                     | Date:                | Time:             |

TAGGED BY: BH

VERIFIED BY: BZ

Send Report to: [MaureenC@accutest.com](mailto:MaureenC@accutest.com)

**Accutest Job Number:** C43666      **Client:** SGS ACCUTEST      **Project:** WESTAZT8135  
**Date / Time Received:** 1/21/2016      **Delivery Method:** \_\_\_\_\_      **Airbill #'s:** \_\_\_\_\_  
**No. Coolers:** 1      **Therm ID:** IR-4;      **Temp Adjustment Factor:** 0;  
**Cooler Temps (Initial/Adjusted):** #1: (1/1);

**Cooler Security**      **Y or N**      **Y or N**  
 1. Custody Seals Present:        3. COC Present:    
 2. Custody Seals Intact:        4. Smpl Dates/Time OK

**Cooler Temperature**      **Y or N**  
 1. Temp criteria achieved:    
 2. Cooler temp verification: \_\_\_\_\_  
 3. Cooler media: Ice (Bag)

**Quality Control Preservation**      **Y or N**      **N/A**      **WTB**      **STB**  
 1. Trip Blank present / cooler:            
 2. Trip Blank listed on COC:     
 3. Samples preserved properly:    
 4. VOCs headspace free:

**Sample Integrity - Documentation**      **Y or N**  
 1. Sample labels present on bottles:    
 2. Container labeling complete:    
 3. Sample container label / COC agree:

**Sample Integrity - Condition**      **Y or N**  
 1. Sample recvd within HT:    
 2. All containers accounted for:    
 3. Condition of sample: Intact

**Sample Integrity - Instructions**      **Y or N**      **N/A**  
 1. Analysis requested is clear:    
 2. Bottles received for unspecified tests:    
 3. Sufficient volume recvd for analysis:    
 4. Compositing instructions clear:     
 5. Filtering instructions clear:

**Comments** collection time not listed on COC  
  
 c4366-1 1250  
 c4366-2 1440  
 C4366-3 0900  
 -5 0800  
 -6 1020  
 -7 1140  
 -8 1125  
 -9 0940  
 -10 1057

7.1  
7

Job #: C43666 \_\_\_\_\_

Date / Time Received: 1/21/2016 9:20:00 AM \_\_\_\_\_

Initials: BH \_\_\_\_\_

Client: SGS ACCUTEST \_\_\_\_\_

| Cooler # | Sample ID: | Vol   | Bot # | Location | Pres  | pH     | Therm ID | Initial Temp | Therm CF | Corrected Temp |
|----------|------------|-------|-------|----------|-------|--------|----------|--------------|----------|----------------|
| 1        | C43666-1   | 250ml | 1     | 1-I      | H2SO4 | pH < 2 | IR-4     | 1            | 0        | 1              |
| 1        | C43666-2   | 250ml | 1     | 1-I      | H2SO4 | pH < 2 | IR-4     | 1            | 0        | 1              |
| 1        | C43666-3   | 250ml | 1     | 1-I      | H2SO4 | pH < 2 | IR-4     | 1            | 0        | 1              |
| 1        | C43666-3   | 250ml | 2     | 1-I      | H2SO4 | pH < 2 | IR-4     | 1            | 0        | 1              |
| 1        | C43666-5   | 250ml | 1     | 1-I      | H2SO4 | pH < 2 | IR-4     | 1            | 0        | 1              |
| 1        | C43666-6   | 250ml | 1     | 1-I      | H2SO4 | pH < 2 | IR-4     | 1            | 0        | 1              |
| 1        | C43666-7   | 250ml | 1     | 1-I      | H2SO4 | pH < 2 | IR-4     | 1            | 0        | 1              |
| 1        | C43666-8   | 250ml | 1     | 1-I      | H2SO4 | pH < 2 | IR-4     | 1            | 0        | 1              |
| 1        | C43666-9   | 250ml | 1     | 1-I      | H2SO4 | pH < 2 | IR-4     | 1            | 0        | 1              |
| 1        | C43666-10  | 250ml | 1     | 1-I      | H2SO4 | pH < 2 | IR-4     | 1            | 0        | 1              |

7.1  
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**C43666: Chain of Custody**

**Page 3 of 3**

## General Chemistry

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### QC Data Summaries

(Accutest Laboratories Gulf Coast, Inc.)

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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C43666  
Account: ALNCA - Accutest Northern California, Inc.  
Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                  | Batch ID        | RL   | MB<br>Result | Units | Spike<br>Amount | BSP<br>Result | BSP<br>%Recov | QC<br>Limits |
|--------------------------|-----------------|------|--------------|-------|-----------------|---------------|---------------|--------------|
| Nitrogen, Total Kjeldahl | GP34974/GN70744 | 0.50 | 0.0          | mg/l  | 2               | 1.97          | 98.5          | 90-110%      |

Associated Samples:

Batch GP34974: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8, C43666-9, C43666-10  
(\* ) Outside of QC limits

DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C43666  
Account: ALNCA - Accutest Northern California, Inc.  
Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                  | Batch ID        | QC Sample | Units | Original Result | DUP Result | RPD | QC Limits |
|--------------------------|-----------------|-----------|-------|-----------------|------------|-----|-----------|
| Nitrogen, Total Kjeldahl | GP34974/GN70744 | C43666-3  | mg/l  | 0.18 U          | 0.0        | 0.0 | 0-20%     |

Associated Samples:

Batch GP34974: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8, C43666-9, C43666-10  
(\* ) Outside of QC limits

8.2  
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MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C43666  
Account: ALNCA - Accutest Northern California, Inc.  
Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                  | Batch ID        | QC Sample | Units | Original Result | Spike Amount | MS Result | %Rec  | QC Limits |
|--------------------------|-----------------|-----------|-------|-----------------|--------------|-----------|-------|-----------|
| Nitrogen, Total Kjeldahl | GP34974/GN70744 | C43666-3  | mg/l  | 0.18 U          | 2            | 2.1       | 105.0 | 90-110%   |

Associated Samples:

Batch GP34974: C43666-1, C43666-2, C43666-3, C43666-5, C43666-6, C43666-7, C43666-8, C43666-9, C43666-10

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits



Effective January 1, 2016, SGS has acquired all of the assets of Accutest Laboratories and will continue to operate as SGS-Accutest. SGS-Accutest is part of SGS, the world's leading inspection, verification, testing and certification company.

## Technical Report for

Weston Solutions, Inc.

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

12767.201.001.0020

Accutest Job Number: C43666X

Sampling Dates: 01/12/16 - 01/13/16

Report to:

Weston Solutions, Inc.  
960 West Elliot Road Suite 101  
Tempe, AZ 85284  
b.wethington@westonsolutions.com

ATTN: Barbara Wethington

Total number of pages in report: **30**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.



James J. Rhudy  
Lab Director

Client Service contact: Maureen Coloma 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925)  
DoD ELAP (L-A-B L2242)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.  
Test results relate only to samples analyzed.

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### Sample Summary

Weston Solutions, Inc.

**Job No:** C43666X

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
 Project No: 12767.201.001.0020

| Sample Number | Collected |          | Matrix Received | Code | Type               | Client Sample ID |
|---------------|-----------|----------|-----------------|------|--------------------|------------------|
|               | Date      | Time By  |                 |      |                    |                  |
| C43666-1X     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water       | LB-MW3-011216    |
| C43666-2X     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water       | LB-MW3-011216-D  |
| C43666-3DX    | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Water Dup/MSD      | LB-MW7-011216    |
| C43666-3SX    | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Water Matrix Spike | LB-MW7-011216    |
| C43666-3X     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water       | LB-MW7-011216    |
| C43666-4X     | 01/13/16  | 00:00 GR | 01/14/16        | AQ   | Equipment Blank    | LB-EB1-011316    |
| C43666-5X     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water       | LB-SW1-011216    |
| C43666-6X     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water       | LB-SW2-011216    |
| C43666-7X     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water       | LB-MW1-011216    |
| C43666-8X     | 01/12/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water       | LB-MW2-011216    |
| C43666-9X     | 01/13/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water       | LB-MW4-011316    |
| C43666-10X    | 01/13/16  | 00:00 GR | 01/14/16        | AQ   | Ground Water       | LB-MW5-011316    |

Subcontract Lab Data

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Report of Analysis

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Summit Environmental Technologies, Inc.  
3310 Win St.  
Cuyahoga Falls, Ohio 44223  
TEL: (330) 253-8211 FAX: (330) 253-4489  
Website: <http://www.settek.com>

January 26, 2016

Maureen C.  
Accutest Laboratories  
2105 Lundy Avenue  
San Jose, CA 95131  
TEL: (408) 588-0200  
FAX: (408) 588-0201

RE: WESTAZTt8135 (C43666)

Dear Maureen C.:

Order No.: 16010848

Summit Environmental Technologies, Inc. received 12 sample(s) on 1/15/2016 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Bachar Najm  
Project Manager  
3310 Win St.  
Cuyahoga Falls, Ohio 44223

A2LA 0724.01, Alabama 41600, Arizona AZ0788, Arkansas 88-0735, California 07256CA, Colorado, Connecticut PH-0105, Delaware, Florida NELAC E87688, Georgia E87688 and 943, Idaho OH00923, Illinois 200061 and Reg.5, Indiana C-OH-13, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Louisiana 04061 and LA12004, Maine 2012015, Maryland 339, Massachusetts M-OPH923, Minnesota 409711, Montana CERT0099, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, Ohio Drinking Water 4170, Ohio VAP CL0052, Oklahoma 9940, Oregon OH200001, Rhode Island LA000317, South Carolina 92016001, Tennessee TN04018, Texas T104704466-11-5, Region 8 8TMS-L, USDA/APHIS P330-11-00244, Utah OH009232011-1, Vermont VT-87688, Virginia 00440 and 1581, Washington C891, West Virginia 248 and 9957C and E87688, Wisconsin 399013010



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## Case Narrative

WO#: 16010848  
Date: 1/26/2016

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**CLIENT:** Accutest Laboratories  
**Project:** WESTAZTt8135 (C43666)

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This report in its entirety consists of the documents listed below. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Paginated Report including Cover Letter, Case Narrative, Analytical Results, Applicable Quality Control Summary Reports, and copies of the Chain of Custody Documents are supplied with this sample set.

Concentrations reported with a J-Flag in the Qualifier Field are values below the Limit of Quantitation (LOQ) but greater than the established Method Detection Limit (MDL).

Method numbers, unless specified as SM (Standard Methods) or ASTM, are EPA methods.

Estimated uncertainty values are available upon request.

Analysis performed by DBM, VRM, or SFG were performed at Summit Labs 2704 Eatonton Highway Haddock, GA 31033

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

This report is believed to meet all of the requirements of NELAC or the accrediting / certifying agency. Any comments or problems with the analytical events associated with this report are noted below.

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Original  
Page 2 of 16

These commonly used Qualifiers and Acronyms may or may not be present in this report.

### Qualifiers

|              |                                                                                                                     |
|--------------|---------------------------------------------------------------------------------------------------------------------|
| <b>U</b>     | The compound was analyzed for but was not detected.                                                                 |
| <b>J</b>     | The reported value is greater than the Method Detection Limit but less than the Reporting Limit.                    |
| <b>H</b>     | The hold time for sample preparation and/or analysis was exceeded.                                                  |
| <b>D</b>     | The result is reported from a dilution.                                                                             |
| <b>E</b>     | The result exceeded the linear range of the calibration or is estimated due to interference.                        |
| <b>MC</b>    | The result is below the Minimum Compound Limit.                                                                     |
| <b>*</b>     | The result exceeds the Regulatory Limit or Maximum Contamination Limit.                                             |
| <b>m</b>     | Manual integration was used to determine the area response.                                                         |
| <b>N</b>     | The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.                          |
| <b>P</b>     | The second column confirmation exceeded 25% difference.                                                             |
| <b>C</b>     | The result has been confirmed by GC/MS.                                                                             |
| <b>X</b>     | The result was not confirmed when GC/MS Analysis was performed.                                                     |
| <b>B/MB+</b> | The analyte was detected in the associated blank.                                                                   |
| <b>G</b>     | The ICB or CCB contained reportable amounts of analyte.                                                             |
| <b>QC-/+</b> | The CCV recovery failed low (-) or high (+).                                                                        |
| <b>R/QDR</b> | The RPD was outside of accepted recovery limits.                                                                    |
| <b>QL-/+</b> | The LCS or LCSD recovery failed low (-) or high (+).                                                                |
| <b>QLR</b>   | The LCS/LCSD RPD was outside of accepted recovery limits.                                                           |
| <b>QM-/+</b> | The MS or MSD recovery failed low (-) or high (+).                                                                  |
| <b>QMR</b>   | The MS/MSD RPD was outside of accepted recovery limits.                                                             |
| <b>QV-/+</b> | The ICV recovery failed low (-) or high (+).                                                                        |
| <b>S</b>     | The spike result was outside of accepted recovery limits.                                                           |
| <b>Z</b>     | Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information |

### Acronyms

|             |                                     |               |                                      |
|-------------|-------------------------------------|---------------|--------------------------------------|
| <b>ND</b>   | Not Detected                        | <b>RL</b>     | Reporting Limit                      |
| <b>QC</b>   | Quality Control                     | <b>MDL</b>    | Method Detection Limit               |
| <b>MB</b>   | Method Blank                        | <b>LOD</b>    | Level of Detection                   |
| <b>LCS</b>  | Laboratory Control Sample           | <b>LOQ</b>    | Level of Quantitation                |
| <b>LCSD</b> | Laboratory Control Sample Duplicate | <b>PQL</b>    | Practical Quantitation Limit         |
| <b>QCS</b>  | Quality Control Sample              | <b>CRQL</b>   | Contract Required Quantitation Limit |
| <b>DUP</b>  | Duplicate                           | <b>PL</b>     | Permit Limit                         |
| <b>MS</b>   | Matrix Spike                        | <b>RegLvl</b> | Regulatory Limit                     |
| <b>MSD</b>  | Matrix Spike Duplicate              | <b>MCL</b>    | Maximum Contamination Limit          |
| <b>RPD</b>  | Relative Percent Different          | <b>MinCL</b>  | Minimum Compound Limit               |
| <b>ICV</b>  | Initial Calibration Verification    | <b>RA</b>     | Reanalysis                           |
| <b>ICB</b>  | Initial Calibration Blank           | <b>RE</b>     | Reextraction                         |
| <b>CCV</b>  | Continuing Calibration Verification | <b>TIC</b>    | Tentatively Identified Compound      |
| <b>CCB</b>  | Continuing Calibration Blank        | <b>RT</b>     | Retention Time                       |
| <b>RLC</b>  | Reporting Limit Check               | <b>CF</b>     | Calibration Factor                   |
| <b>DF</b>   | Dilution Factor                     | <b>RF</b>     | Response Factor                      |

**This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.**



Summit Environmental Technologies, Inc.  
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## Workorder Sample Summary

WO#: **16010848**  
**26-Jan-16**

**CLIENT:** Accutest Laboratories  
**Project:** WESTAZTt8135 (C43666)

| Lab SampleID | Client Sample ID | Tag No | Date Collected        | Date Received         | Matrix            |
|--------------|------------------|--------|-----------------------|-----------------------|-------------------|
| 16010848-001 | C43666-1         |        | 1/12/2016 12:50:00 PM | 1/15/2016 10:15:00 AM | Non-Potable Water |
| 16010848-002 | C43666-2         |        | 1/12/2016             | 1/15/2016 10:15:00 AM | Non-Potable Water |
| 16010848-003 | C43666-3         |        | 1/12/2016 2:40:00 PM  | 1/15/2016 10:15:00 AM | Non-Potable Water |
| 16010848-004 | C43666-3MS       |        | 1/12/2016 2:40:00 PM  | 1/15/2016 10:15:00 AM | Non-Potable Water |
| 16010848-005 | C43666-3MSD      |        | 1/12/2016 2:40:00 PM  | 1/15/2016 10:15:00 AM | Non-Potable Water |
| 16010848-006 | C43666-4         |        | 1/13/2016             | 1/15/2016 10:15:00 AM | Non-Potable Water |
| 16010848-007 | C43666-5         |        | 1/12/2016 9:00:00 AM  | 1/15/2016 10:15:00 AM | Non-Potable Water |
| 16010848-008 | C43666-6         |        | 1/12/2016 8:00:00 AM  | 1/15/2016 10:15:00 AM | Non-Potable Water |
| 16010848-009 | C43666-7         |        | 1/12/2016 11:20:00 AM | 1/15/2016 10:15:00 AM | Non-Potable Water |
| 16010848-010 | C43666-8         |        | 1/12/2016 11:40:00 AM | 1/15/2016 10:15:00 AM | Non-Potable Water |
| 16010848-011 | C43666-9         |        | 1/13/2016 11:15:00 AM | 1/15/2016 10:15:00 AM | Non-Potable Water |
| 16010848-012 | C43666-10        |        | 1/13/2016 9:40:00 AM  | 1/15/2016 10:15:00 AM | Non-Potable Water |



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# Analytical Report

(consolidated)  
 WO#: **16010848**  
 Date Reported: **1/26/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 1/12/2016 12:50:00 PM  
**Project:** WESTAZTt8135 (C43666)  
**Lab ID:** 16010848-001 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** C43666-1

| Analyses                                                                            | Result | RL   | Qual | Units | Uncertainty | DF | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|-------|-------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      |       |             |    |                      |
| Radium-226/Radium-228 Combined                                                      | ND     | 2.00 |      | pCi/L | ± 0.71      | 1  | 1/26/2016 3:16:30 PM |
|                                                                                     |        |      |      |       |             |    |                      |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      |       |             |    |                      |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L | ± 0.09      | 1  | 1/26/2016 7:34:00 AM |
| Yield                                                                               | 1.00   |      |      |       |             | 1  | 1/26/2016 7:34:00 AM |
|                                                                                     |        |      |      |       |             |    |                      |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      |       |             |    |                      |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L | ± 0.62      | 1  | 1/25/2016 1:40:00 PM |
| Yield                                                                               | 1.00   |      |      |       |             | 1  | 1/25/2016 1:40:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16010848**  
 Date Reported: **1/26/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 1/12/2016  
**Project:** WESTAZTt8135 (C43666)  
**Lab ID:** 16010848-002 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** C43666-2

| Analyses                                                                            | Result | RL   | Qual | Units | Uncertainty   | DF              | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|-------|---------------|-----------------|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      |       |               |                 | Analyst: BRD         |
| Radium-226/Radium-228 Combined                                                      | ND     | 2.00 |      | pCi/L | ± 0.61        | 1               | 1/26/2016 3:16:30 PM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      |       | <b>E903.0</b> | <b>E903-904</b> | Analyst: BRD         |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L | ± 0.06        | 1               | 1/26/2016 7:34:00 AM |
| Yield                                                                               | 0.910  |      |      |       |               | 1               | 1/26/2016 7:34:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      |       | <b>E904.0</b> | <b>E903-904</b> | Analyst: BRD         |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L | ± 0.55        | 1               | 1/25/2016 1:41:00 PM |
| Yield                                                                               | 0.780  |      |      |       |               | 1               | 1/25/2016 1:41:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16010848**  
 Date Reported: **1/26/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 1/12/2016 2:40:00 PM  
**Project:** WESTAZTt8135 (C43666)  
**Lab ID:** 16010848-003 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** C43666-3

| Analyses                                                                            | Result | RL   | Qual | Units | Uncertainty | DF | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|-------|-------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      |       |             |    |                      |
| Radium-226/Radium-228 Combined                                                      | ND     | 2.00 |      | pCi/L | ± 0.69      | 1  | 1/26/2016 3:16:30 PM |
|                                                                                     |        |      |      |       |             |    |                      |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      |       |             |    |                      |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L | ± 0.05      | 1  | 1/26/2016 7:34:00 AM |
| Yield                                                                               | 0.910  |      |      |       |             | 1  | 1/26/2016 7:34:00 AM |
|                                                                                     |        |      |      |       |             |    |                      |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      |       |             |    |                      |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L | ± 0.64      | 1  | 1/25/2016 1:41:00 PM |
| Yield                                                                               | 0.800  |      |      |       |             | 1  | 1/25/2016 1:41:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16010848**  
 Date Reported: **1/26/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 1/12/2016 2:40:00 PM  
**Project:** WESTAZTt8135 (C43666)  
**Lab ID:** 16010848-004 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** C43666-3MS

| Analyses                                                                            | Result | RL   | Qual | Units | Uncertainty | DF | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|-------|-------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      |       |             |    | Analyst: BRD         |
| Radium-226/Radium-228 Combined                                                      | 9.08   | 2.00 |      | pCi/L | ± 1.42      | 1  | 1/26/2016 3:16:30 PM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      |       |             |    | Analyst: BRD         |
| Radium-226                                                                          | 4.44   | 1.00 |      | pCi/L | ± 0.33      | 1  | 1/26/2016 7:33:00 AM |
| Yield                                                                               | 1.00   |      |      |       |             | 1  | 1/26/2016 7:33:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      |       |             |    | Analyst: BRD         |
| Radium-228                                                                          | 4.64   | 1.00 |      | pCi/L | ± 1.09      | 1  | 1/25/2016 1:40:00 PM |
| Yield                                                                               | 0.920  |      |      |       |             | 1  | 1/25/2016 1:40:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



Summit Environmental Technologies, Inc.  
 3310 Win St.  
 Cuyahoga Falls, Ohio 44223  
 TEL: (330) 253-8211 FAX: (330) 253-4489  
 Website: <http://www.settek.com>

# Analytical Report

(consolidated)  
 WO#: **16010848**  
 Date Reported: **1/26/2016**

2

**CLIENT:** Accutest Laboratories **Collection Date:** 1/12/2016 2:40:00 PM  
**Project:** WESTAZTt8135 (C43666)  
**Lab ID:** 16010848-005 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** C43666-3MSD

| Analyses                                                                            | Result | RL   | Qual | Units | Uncertainty | DF | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|-------|-------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      |       |             |    | Analyst: BRD         |
| Radium-226/Radium-228 Combined                                                      | 8.13   | 2.00 |      | pCi/L | ± 1.49      | 1  | 1/26/2016 3:16:30 PM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      |       |             |    | Analyst: BRD         |
| Radium-226                                                                          | 4.22   | 1.00 |      | pCi/L | ± 0.33      | 1  | 1/26/2016 7:34:00 AM |
| Yield                                                                               | 1.00   |      |      |       |             | 1  | 1/26/2016 7:34:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      |       |             |    | Analyst: BRD         |
| Radium-228                                                                          | 3.91   | 1.00 |      | pCi/L | ± 1.16      | 1  | 1/25/2016 1:40:00 PM |
| Yield                                                                               | 0.780  |      |      |       |             | 1  | 1/25/2016 1:40:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 16010848  
 Date Reported: 1/26/2016

**CLIENT:** Accutest Laboratories **Collection Date:** 1/13/2016  
**Project:** WESTAZTt8135 (C43666)  
**Lab ID:** 16010848-006 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** C43666-4

| Analyses                                                                            | Result | RL   | Qual | Units | Uncertainty | DF | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|-------|-------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      |       |             |    |                      |
| Radium-226/Radium-228 Combined                                                      | ND     | 2.00 |      | pCi/L | ± 0.43      | 1  | 1/26/2016 3:16:30 PM |
|                                                                                     |        |      |      |       |             |    |                      |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      |       |             |    |                      |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L | ± 0.05      | 1  | 1/26/2016 7:34:00 AM |
| Yield                                                                               | 1.00   |      |      |       |             | 1  | 1/26/2016 7:34:00 AM |
|                                                                                     |        |      |      |       |             |    |                      |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      |       |             |    |                      |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L | ± 0.38      | 1  | 1/25/2016 1:41:00 PM |
| Yield                                                                               | 1.00   |      |      |       |             | 1  | 1/25/2016 1:41:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16010848**  
 Date Reported: **1/26/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 1/12/2016 9:00:00 AM  
**Project:** WESTAZTt8135 (C43666)  
**Lab ID:** 16010848-007 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** C43666-5

| Analyses                                                                            | Result | RL   | Qual | Units | Uncertainty | DF | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|-------|-------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      |       |             |    |                      |
| Radium-226/Radium-228 Combined                                                      | ND     | 2.00 |      | pCi/L | ± 0.71      | 1  | 1/26/2016 3:16:30 PM |
|                                                                                     |        |      |      |       |             |    |                      |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      |       |             |    |                      |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L | ± 0.05      | 1  | 1/26/2016 7:34:00 AM |
| Yield                                                                               | 0.990  |      |      |       |             | 1  | 1/26/2016 7:34:00 AM |
|                                                                                     |        |      |      |       |             |    |                      |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      |       |             |    |                      |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L | ± 0.66      | 1  | 1/25/2016 1:41:00 PM |
| Yield                                                                               | 0.820  |      |      |       |             | 1  | 1/25/2016 1:41:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16010848**  
 Date Reported: **1/26/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 1/12/2016 8:00:00 AM  
**Project:** WESTAZTt8135 (C43666)  
**Lab ID:** 16010848-008 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** C43666-6

| Analyses                                                                            | Result | RL   | Qual | Units                        | Uncertainty | DF                  | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|------------------------------|-------------|---------------------|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      | <b>MBDRA226RA22 E903-904</b> |             | Analyst: <b>BRD</b> |                      |
| Radium-226/Radium-228 Combined                                                      | ND     | 2.00 |      | pCi/L                        | ± 0.54      | 1                   | 1/26/2016 3:16:30 PM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      | <b>E903.0 E903-904</b>       |             | Analyst: <b>BRD</b> |                      |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.06      | 1                   | 1/26/2016 7:35:00 AM |
| Yield                                                                               | 0.970  |      |      |                              |             | 1                   | 1/26/2016 7:35:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      | <b>E904.0 E903-904</b>       |             | Analyst: <b>BRD</b> |                      |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.48      | 1                   | 1/25/2016 1:41:00 PM |
| Yield                                                                               | 0.870  |      |      |                              |             | 1                   | 1/25/2016 1:41:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16010848**  
 Date Reported: **1/26/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 1/12/2016 11:20:00 AM  
**Project:** WESTAZTt8135 (C43666)  
**Lab ID:** 16010848-009 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** C43666-7

| Analyses                                                                            | Result | RL   | Qual | Units | Uncertainty | DF | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|-------|-------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      |       |             |    |                      |
| Radium-226/Radium-228 Combined                                                      | ND     | 2.00 |      | pCi/L | ± 0.45      | 1  | 1/26/2016 3:16:30 PM |
|                                                                                     |        |      |      |       |             |    |                      |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      |       |             |    |                      |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L | ± 0.06      | 1  | 1/26/2016 7:35:00 AM |
| Yield                                                                               | 1.00   |      |      |       |             | 1  | 1/26/2016 7:35:00 AM |
|                                                                                     |        |      |      |       |             |    |                      |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      |       |             |    |                      |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L | ± 0.39      | 1  | 1/25/2016 1:41:00 PM |
| Yield                                                                               | 1.00   |      |      |       |             | 1  | 1/25/2016 1:41:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16010848**  
 Date Reported: **1/26/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 1/12/2016 11:40:00 AM  
**Project:** WESTAZTt8135 (C43666)  
**Lab ID:** 16010848-010 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** C43666-8

| Analyses                                                                            | Result | RL   | Qual | Units                        | Uncertainty | DF                  | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|------------------------------|-------------|---------------------|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      | <b>MBDRA226RA22 E903-904</b> |             | Analyst: <b>BRD</b> |                      |
| Radium-226/Radium-228 Combined                                                      | ND     | 2.00 |      | pCi/L                        | ± 0.43      | 1                   | 1/26/2016 3:16:30 PM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      | <b>E903.0 E903-904</b>       |             | Analyst: <b>BRD</b> |                      |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.07      | 1                   | 1/26/2016 9:03:00 AM |
| Yield                                                                               | 1.00   |      |      |                              |             | 1                   | 1/26/2016 9:03:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      | <b>E904.0 E903-904</b>       |             | Analyst: <b>BRD</b> |                      |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.36      | 1                   | 1/25/2016 1:41:00 PM |
| Yield                                                                               | 1.00   |      |      |                              |             | 1                   | 1/25/2016 1:41:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16010848**  
 Date Reported: **1/26/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 1/13/2016 11:15:00 AM  
**Project:** WESTAZTt8135 (C43666)  
**Lab ID:** 16010848-011 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** C43666-9

| Analyses                                                                            | Result | RL   | Qual | Units | Uncertainty | DF | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|-------|-------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      |       |             |    |                      |
| Radium-226/Radium-228 Combined                                                      | ND     | 2.00 |      | pCi/L | ± 0.7       | 1  | 1/26/2016 3:16:30 PM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      |       |             |    |                      |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L | ± 0.07      | 1  | 1/26/2016 9:03:00 AM |
| Yield                                                                               | 1.00   |      |      |       |             | 1  | 1/26/2016 9:03:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      |       |             |    |                      |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L | ± 0.63      | 1  | 1/25/2016 1:41:00 PM |
| Yield                                                                               | 0.840  |      |      |       |             | 1  | 1/25/2016 1:41:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16010848**  
 Date Reported: **1/26/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 1/13/2016 9:40:00 AM  
**Project:** WESTAZTt8135 (C43666)  
**Lab ID:** 16010848-012 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** C43666-10

| Analyses                                                                            | Result | RL   | Qual | Units                        | Uncertainty | DF                  | Date Analyzed        |
|-------------------------------------------------------------------------------------|--------|------|------|------------------------------|-------------|---------------------|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 ANALYSIS (903.0/904.0)</b> |        |      |      | <b>MBDRA226RA22 E903-904</b> |             | Analyst: <b>BRD</b> |                      |
| Radium-226/Radium-228 Combined                                                      | ND     | 2.00 |      | pCi/L                        | ± 0.48      | 1                   | 1/26/2016 3:16:30 PM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 ANALYSIS (903.0)</b>                    |        |      |      | <b>E903.0 E903-904</b>       |             | Analyst: <b>BRD</b> |                      |
| Radium-226                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.05      | 1                   | 1/26/2016 9:03:00 AM |
| Yield                                                                               | 1.00   |      |      |                              |             | 1                   | 1/26/2016 9:03:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 ANALYSIS (904.0)</b>                    |        |      |      | <b>E904.0 E903-904</b>       |             | Analyst: <b>BRD</b> |                      |
| Radium-228                                                                          | ND     | 1.00 |      | pCi/L                        | ± 0.43      | 1                   | 1/25/2016 2:14:00 PM |
| Yield                                                                               | 1.00   |      |      |                              |             | 1                   | 1/25/2016 2:14:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



Accutest ID and PO#: C43666  
 2105 Lundy Avenue, San Jose, CA 95131 Phone : (408)588-0200 Fax: (408)588-0201

## Subcontract Chain of Custody

Subcontract Lab: Summit Environmental Technologies, Inc.  
 Date Sent: 01/14/16  
 Date Due: Standard Turnaround

16010848-001012  
 LSC

Project Name: WESTAZT8135 (C43666)  
 Project Location:

| Accutest Lab Number  | Customer Sample Name/Field Point ID | Matrix | Method                                                       | Collect Date | Collect Time |
|----------------------|-------------------------------------|--------|--------------------------------------------------------------|--------------|--------------|
| C43666-1             | LB-MW3-011216                       | GW     | Combined RA-226 & RA-228<br>*EPA 900 Series*                 | 01/12/16     | 1250         |
| C43666-2             | LB-MW3-011216-D                     | GW     | Combined RA-226 & RA-228<br>*EPA 900 Series*                 | 01/12/16     | --           |
| C43666-3<br>*MS/MSD* | LB-MW7-011216<br>**MS/MSD**         | GW     | Combined RA-226 & RA-228<br>*EPA 900 Series*<br>(RUN MS/MSD) | 01/12/16     | 1440         |
| C43666-4             | LB-EB1-011316                       | WEB    | Combined RA-226 & RA-228<br>*EPA 900 Series*                 | 01/13/16     | --           |
| C43666-5             | LB-SW1-011216                       | GW     | Combined RA-226 & RA-228<br>*EPA 900 Series*                 | 01/12/16     | 0900         |
| C43666-6             | LB-SW2-011216                       | GW     | Combined RA-226 & RA-228<br>*EPA 900 Series*                 | 01/12/16     | 0800         |
| C43666-7             | LB-MW1-011216                       | GW     | Combined RA-226 & RA-228<br>*EPA 900 Series*                 | 01/12/16     | 1120         |
| C43666-8             | LB-MW2-011216                       | GW     | Combined RA-226 & RA-228<br>*EPA 900 Series*                 | 01/12/16     | 1140         |
| C43666-9             | LB-MW4-011316                       | GW     | Combined RA-226 & RA-228<br>*EPA 900 Series*                 | 01/13/16     | 1115         |
| C43666-10            | LB-MW5-011316                       | GW     | Combined RA-226 & RA-228<br>*EPA 900 Series*                 | 01/13/16     | 0940         |

\*Run MS/MSD for sample C43666-3 (LB-MW7-011216), Extra Volume provided for MS/MSD  
 \*\*1-Gallon Container provided with Nitric Acid preservative

**Comments:** Samples are from "New Mexico" (Ground water Samples)

|                                          |                               |                  |               |
|------------------------------------------|-------------------------------|------------------|---------------|
| Relinquished By:<br><i>Maureen Adams</i> | Received By: FedEx            | Date: 01/14/16   | Time: 15:00   |
| Relinquished By: FedEx                   | Received By:<br><i>Cheryl</i> | Date:<br>1-15-16 | Time:<br>1015 |
| Relinquished By:                         | Received By:                  | Date:            | Time:         |

Send Report to: [MaureenC@accutest.com](mailto:MaureenC@accutest.com)

### Summit Environmental Technologies, Inc. Cooler Receipt Form

Client: Acute Initials of person inspecting cooler and samples: CSL  
 Date Received: 1-15-16 Time Received: 1015 Order Number: 16010848  
 Date cooler(s) opened and samples inspected: 1-15-16

Number of Coolers/Boxes: \_\_\_\_\_ N/A  
 Shipper: FED EX UPS DHL Airborne US Postal Walk-in Pickup Other: \_\_\_\_\_

Packaging: Peanuts Bubble Wrap Paper Foam None Other: \_\_\_\_\_  
 Tape on cooler/box: \_\_\_\_\_ N N/A

Custody Seals Intact \_\_\_\_\_ N/A  
 C-O-C in plastic Y N N/A  
Y N N/A

Ice \_\_\_\_\_ Blue ice \_\_\_\_\_ present / absent / melted N/A  
 Sample Temperature IR Gun #16020459 CF 0.0 °C 10.8 °C N/A

Radiological Testing Instrument serial #35127 Y N N/A  
 (see page 2 for scan results)  
 \*\*Use 1 sheet per sample for Radiological Testing. If sample is HOT, the Radiological Safety Officer must be notified immediately.

C-O-C filled out properly Y N N/A  
 Samples in separate bags Y N N/A  
 Sample containers intact\* Y N N/A  
 \*If no, list broken sample(s): \_\_\_\_\_

Sample label(s) complete (ID, date, etc.) Y N N/A  
 Label(s) agree with C-O-C Y N N/A  
 Correct containers used Y N N/A  
 Sufficient sample received Y N N/A  
 Samples received within holding time Y N N/A  
 Bubbles absent from 40 mL vials\*\* Y N N/A

\*\* Samples with bubbles <6mm are acceptable. Indicate bubble size if >6mm. \_\_\_\_\_  
 Was client contacted about samples Y N  
 Will client send new samples Y N

Client contact: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Logged in by: \_\_\_\_\_  
 Comments: \_\_\_\_\_

Summit Environmental Technologies, Inc.  
Sample Receipt

pH and Chlorine test on samples

pH strip SET (0-14) OBS-01-0207      pH strip (2.8-4.8) SETS OES-01-0149  
Total DPD packet SETS      Free DPD packet SETS  
Dep. Pipette SETS WC-03-0810

| ID | Method | pH | Chlorine<br>(±) | Comments |
|----|--------|----|-----------------|----------|
| 1  |        | 2  |                 |          |
| 2  |        | 1  |                 |          |
| 3  |        |    |                 |          |
| 4  |        |    |                 |          |
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| 6  |        |    |                 |          |
| 7  |        |    |                 |          |
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| 10 |        |    |                 |          |
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Radiological scan on sample

| ID | scan | CPM |
|----|------|-----|
| 1  | ✓    | 26  |
| 2  |      | 26  |
| 3  |      | 30  |
| 4  |      | 33  |
| 5  |      | 26  |
| 6  |      | 27  |
| 7  |      | 27  |
| 8  |      | 26  |
| 9  |      | 28  |
| 10 |      | 30  |
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Permanganate interference  
 1.1, 508, 515.1, 525.2, 547, 548.1, 549.1, 531.2, 1613 methods checked for Total chlorine  
 1.2 checked for Free chlorine  
 2 pH is checked for ~3.8 (SETS OES-01-0149)  
 2 = pH and Chlorine checked at bench and not log in department



## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody



PHOENIX

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

1 of 5

Accutest Tracking # 8016 0436 1190
Accutest Order #
Bottle Order Control #
Accutest NC Job #: C 043666

Client / Reporting Information, Project Information, Requested Analysis, Matrix Codes, Collection, Turnaround Time, Data Deliverable Information, Sample Custody table, Relinquished/Received by table.

31 3



### CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131  
 (408) 588-0200 FAX: (408) 588-0201

20FS

FEDT Tracking # **0060 3210 5095**  
 Accutest Quote #  
 Bottle Order Control #  
 Accutest NC Job #: **C 043666**

| Client / Reporting Information                                                                                                                                                                               |  | Project Information                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                           |  |                                 |           | Requested Analysis                                                                                                                                                                                                                                                                                                                                                                    |          |                                 |        |                                           |     |                                 |       |                                 |      | Matrix Codes                                                                                                                                                                                                                                                                                                                                          |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------|--|---------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------|--------|-------------------------------------------|-----|---------------------------------|-------|---------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Company Name: <b>Weston Solutions</b>                                                                                                                                                                        |  | Project Name: <b>LA BAJADA mine site</b>                                                                                                                                                                                                                                                                                                                                                                                                                |  |                           |  |                                 |           | <p>DISSEMINATED<br/>           LEPA 200-71 200-8)<br/>           COMPOUND BA 236/238<br/>           LEPA 903/904)<br/>           TDS (SM 2540C)<br/>           TOTAL ALKALINITY (COPROD.WE<br/>           DISSEMINATED)<br/>           (SM/23200)<br/>           CHLORIDE / SULFATE<br/>           (EPA 800.0)<br/>           NITRATE (or-NITRITE) / TAN<br/>           (SM 4500)</p> |          |                                 |        |                                           |     |                                 |       |                                 |      | Matrix Codes                                                                                                                                                                                                                                                                                                                                          |              |
| Address: <b>960 W. Elliot Rd., #101</b>                                                                                                                                                                      |  | Street: <b>SANTA FE NATIONAL FOREST</b>                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                           |  |                                 |           |                                                                                                                                                                                                                                                                                                                                                                                       |          |                                 |        |                                           |     |                                 |       |                                 |      | WW- Wastewater                                                                                                                                                                                                                                                                                                                                        |              |
| City: <b>Tempe</b> State: <b>AZ</b> Zip: <b>85284</b>                                                                                                                                                        |  | City: <b>SANTA FE COUNTY</b> State: <b>NM</b>                                                                                                                                                                                                                                                                                                                                                                                                           |  |                           |  |                                 |           |                                                                                                                                                                                                                                                                                                                                                                                       |          |                                 |        |                                           |     |                                 |       |                                 |      | GW- Ground Water                                                                                                                                                                                                                                                                                                                                      |              |
| Project Contact: <b>BARB WELINGTON</b>                                                                                                                                                                       |  | Project #: <b>12767.201.001.0020</b>                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                           |  |                                 |           |                                                                                                                                                                                                                                                                                                                                                                                       |          |                                 |        |                                           |     |                                 |       |                                 |      | SW- Surface Water                                                                                                                                                                                                                                                                                                                                     |              |
| Phone #: <b>(480) 477-4911</b>                                                                                                                                                                               |  | EMAIL: <b>B.WELINGTON@WESTONSOLUTIONS.COM</b>                                                                                                                                                                                                                                                                                                                                                                                                           |  |                           |  |                                 |           |                                                                                                                                                                                                                                                                                                                                                                                       |          |                                 |        |                                           |     |                                 |       |                                 |      | SO- Soil                                                                                                                                                                                                                                                                                                                                              |              |
| Sampler's Name: <b>G. ROUSSOS</b>                                                                                                                                                                            |  | Client Purchase Order #                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                           |  |                                 |           | CO-GI                                                                                                                                                                                                                                                                                                                                                                                 |          |                                 |        |                                           |     |                                 |       |                                 |      |                                                                                                                                                                                                                                                                                                                                                       |              |
| Turnaround Time (Business days)                                                                                                                                                                              |  | Data Deliverable Information                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                           |  |                                 |           | Comments / Remarks                                                                                                                                                                                                                                                                                                                                                                    |          |                                 |        |                                           |     |                                 |       |                                 |      | LAB USE ONLY                                                                                                                                                                                                                                                                                                                                          |              |
| <input type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |  | Approved By / Date: _____<br><input type="checkbox"/> Commercial "A" - Results only<br><input type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "D+" - Results, QC, and chromatograms<br><input type="checkbox"/> FULLY - Level 4 data package<br><input type="checkbox"/> EDF for Geotracker <input type="checkbox"/> EDD Format _____<br>Provide EDF Global ID: _____<br>Provide EDF Logcode: _____ |  |                           |  |                                 |           | <p>↓ please perform MS/MSD on<br/>           LB-MW7-011216*</p>                                                                                                                                                                                                                                                                                                                       |          |                                 |        |                                           |     |                                 |       |                                 |      | <input type="checkbox"/> WW<br><input type="checkbox"/> GW<br><input type="checkbox"/> SW<br><input type="checkbox"/> SO<br><input type="checkbox"/> CO-GI<br><input type="checkbox"/> WVP-Wipe<br><input type="checkbox"/> LIO- Non-aqueous Liquid<br><input type="checkbox"/> AIR<br><input type="checkbox"/> DW- Drinking Water (Perchlorate Only) |              |
| Collection                                                                                                                                                                                                   |  | Number of preserved Bottles                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                           |  | Matrix                          | Sample ID | Date                                                                                                                                                                                                                                                                                                                                                                                  | Time     | Sampled by                      | Matrix | # of bottles                              | USE | BATCH                           | INSTR | ANAL                            | METH | OTHER                                                                                                                                                                                                                                                                                                                                                 | LAB USE ONLY |
| 3                                                                                                                                                                                                            |  | LB-MW7-011216                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                           |  | GR                              | GW        | 8                                                                                                                                                                                                                                                                                                                                                                                     | 11/12/16 | 1440                            | GR     | 2                                         | 1   |                                 |       |                                 |      |                                                                                                                                                                                                                                                                                                                                                       |              |
| 4                                                                                                                                                                                                            |  | LB-ES1-011316                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                           |  | GR                              | W         | 2                                                                                                                                                                                                                                                                                                                                                                                     | 11/13/16 |                                 | GR     | 2                                         | 2   |                                 |       |                                 |      |                                                                                                                                                                                                                                                                                                                                                       |              |
| XXXX LAST item                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                           |  |                                 |           |                                                                                                                                                                                                                                                                                                                                                                                       |          |                                 |        |                                           |     |                                 |       |                                 |      |                                                                                                                                                                                                                                                                                                                                                       |              |
| Emergency TIA data available VIA Lablink                                                                                                                                                                     |  | Sample Custody must be documented below each time samples change possession, including courier delivery.                                                                                                                                                                                                                                                                                                                                                |  |                           |  |                                 |           |                                                                                                                                                                                                                                                                                                                                                                                       |          |                                 |        |                                           |     |                                 |       |                                 |      |                                                                                                                                                                                                                                                                                                                                                       |              |
| Relinquished by Sampler: <b>[Signature]</b>                                                                                                                                                                  |  | Date Time: <b>11/13/16</b>                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Received By: <b>Fedex</b> |  | Date Time: <b>11/14/16 9:15</b> |           | Received By: <b>[Signature]</b>                                                                                                                                                                                                                                                                                                                                                       |          | Date Time: <b>11/14/16 9:15</b> |        | Received By: <b>[Signature]</b>           |     | Date Time: <b>11/14/16 9:15</b> |       | Received By: <b>[Signature]</b> |      |                                                                                                                                                                                                                                                                                                                                                       |              |
| Relinquished by:                                                                                                                                                                                             |  | Date Time: <b>1400</b>                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | Received By:              |  | Date Time:                      |           | Received By:                                                                                                                                                                                                                                                                                                                                                                          |          | Date Time:                      |        | Received By:                              |     |                                 |       |                                 |      |                                                                                                                                                                                                                                                                                                                                                       |              |
| Relinquished by:                                                                                                                                                                                             |  | Date Time:                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | Received By:              |  | Date Time:                      |           | Received By:                                                                                                                                                                                                                                                                                                                                                                          |          | Date Time:                      |        | Received By:                              |     |                                 |       |                                 |      |                                                                                                                                                                                                                                                                                                                                                       |              |
| Custody Seal # <b>12767</b>                                                                                                                                                                                  |  | Appropriate Bottle / Pres. Y / N                                                                                                                                                                                                                                                                                                                                                                                                                        |  | Headspace Y / N           |  | On Ice Y / N                    |           | Cooler Temp.                                                                                                                                                                                                                                                                                                                                                                          |          | Labels match Coc? Y / N         |        | Separate Receiving Check List used: Y / N |     |                                 |       |                                 |      |                                                                                                                                                                                                                                                                                                                                                       |              |

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Field/Matrix # **8016 0436 1204**  
 Accutest Quote #  
 Bottle Order Control #  
 Accutest NC Job #: **C 043666**

| Client / Reporting Information      |                                               |            |      | Project Information                        |                             |              |    |     |      |       |      |      |      |      | Requested Analysis |      |      |         |      |      | Matrix Codes                                                                                                                                                                                        |   |   |
|-------------------------------------|-----------------------------------------------|------------|------|--------------------------------------------|-----------------------------|--------------|----|-----|------|-------|------|------|------|------|--------------------|------|------|---------|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
| Company Name<br>Weston Solutions    |                                               |            |      | Project Name: LA BAJADA MINE SITE          |                             |              |    |     |      |       |      |      |      |      |                    |      |      |         |      |      | WW- Wastewater<br>GW- Ground Water<br>SW- Surface Water<br>SO- Soil<br>CI- Oil<br>WF- Wipe<br>LIQ- Non-aqueous Liquid<br>AIR<br>DW- Drinking Water<br>(Perchlorate Only)<br><br><b>LAB USE ONLY</b> |   |   |
| Address<br>900 W. Elliot Rd, #101   |                                               |            |      | Street<br>SANTA FE NATIONAL FOREST         |                             |              |    |     |      |       |      |      |      |      |                    |      |      |         |      |      |                                                                                                                                                                                                     |   |   |
| City<br>Tempe                       |                                               |            |      | City<br>SANTA FE COUNTY                    |                             |              |    |     |      |       |      |      |      |      |                    |      |      |         |      |      |                                                                                                                                                                                                     |   |   |
| State<br>AZ                         |                                               |            |      | State<br>NM                                |                             |              |    |     |      |       |      |      |      |      |                    |      |      |         |      |      |                                                                                                                                                                                                     |   |   |
| Zip<br>85284                        |                                               |            |      | Project #<br>12767.201.001.0020            |                             |              |    |     |      |       |      |      |      |      |                    |      |      |         |      |      |                                                                                                                                                                                                     |   |   |
| Project Contact:<br>Barb Wethington |                                               |            |      | EMAIL:<br>B.Wethington@westonsolutions.com |                             |              |    |     |      |       |      |      |      |      |                    |      |      |         |      |      |                                                                                                                                                                                                     |   |   |
| Phone #<br>(480) 477-4911           |                                               |            |      | Client Purchase Order #<br>L201            |                             |              |    |     |      |       |      |      |      |      |                    |      |      |         |      |      |                                                                                                                                                                                                     |   |   |
| Sampler's Name<br>G. Roussos        |                                               |            |      |                                            |                             |              |    |     |      |       |      |      |      |      |                    |      |      |         |      |      |                                                                                                                                                                                                     |   |   |
| Accutest Sample ID                  | Sample ID / Field Point / Point of Collection | Collection |      |                                            | Number of preserved Bottles |              |    |     |      |       |      |      |      |      |                    |      |      | BIODISK |      |      |                                                                                                                                                                                                     |   |   |
|                                     |                                               | Date       | Time | Sampled by                                 | Matrix                      | # of bottles | IC | HAZ | INOC | PCSOA | NONE | UNDO | RECO | TRIS | TRIS               | TRIS | TRIS |         | TRIS | TRIS |                                                                                                                                                                                                     |   |   |
| 5                                   | LB-SW1-011216                                 | 1/12/16    | 0900 | GR                                         | SW                          | 4            |    |     | 2    | 1     | 1    |      |      |      |                    |      | X    | X       | X    | X    | X                                                                                                                                                                                                   | X |   |
| 6                                   | LB-SW2-011216                                 | 1/14/16    | 0800 | GR                                         | SW                          | 4            |    |     | 2    | 1     | 1    |      |      |      |                    |      | X    | X       | X    | X    | X                                                                                                                                                                                                   | X |   |
|                                     | <del>HAZ item</del>                           |            |      |                                            |                             |              |    |     |      |       |      |      |      |      |                    |      |      |         |      |      |                                                                                                                                                                                                     |   | X |

Turnaround Time (Business days)

Approved By / Date: \_\_\_\_\_

Commercial "A" - Results only  
 Commercial "B" - Results with QC summaries  
 Commercial "B\*" - Results, GC, and chromatograms  
 FULL1 - Level 4 data package  
 EDF for Geotracker  EDD Format \_\_\_\_\_  
 Provide EDF Global ID \_\_\_\_\_  
 Provide EDF Logcode: \_\_\_\_\_

Emergency TIA data available VIA Lablink

| Sample Custody must be documented below each time samples change possession, including courier delivery. |           |             |           |                       |                                         |                 |              |
|----------------------------------------------------------------------------------------------------------|-----------|-------------|-----------|-----------------------|-----------------------------------------|-----------------|--------------|
| Relinquished by                                                                                          | Date/Time | Received By | Date/Time | Relinquished by       | Date/Time                               | Received By     | Date/Time    |
| <i>Gay King</i>                                                                                          | 1/13/16   | 1 FedEx     |           | 2 <i>Felix</i>        | 1/14/16 0915                            | 2 <i>Brouss</i> |              |
| 3                                                                                                        |           | 3           |           | 4                     |                                         | 4               |              |
| 5                                                                                                        |           | 5           |           | Custody Seal #        | Appropriate Bottle / Pres. Y/N          | Headspace Y/N   | On Ice Y/N   |
|                                                                                                          |           |             |           | Labels match Coc? Y/N | Separate Receiving Check List used? Y/N |                 | Cooler Temp. |
|                                                                                                          |           |             |           |                       |                                         |                 | 4.1   32 °C  |



PHOENIX CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131  
 (408) 588-0200 FAX: (408) 588-0201

4 of 5

Order # **0516 04361215** Bottle Order Control #  
 Accutest Quote # **C43666** Accutest NC Job #: C

| Client / Reporting Information         |  | Project Information                        |  | Requested Analysis                                                                                                                                                                                                       |  |  |  |  |  | Matrix Codes      |
|----------------------------------------|--|--------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|-------------------|
| Company Name<br>Weston Solutions, Inc. |  | Project Name<br>La Bajada Mine Site        |  | Dissolved METALS (EPA 231.7/230.3)<br>Composite (20-230/230)<br>(EPA 903/904)<br>TDS, Total Alk, CO2, DI, Carb, Hydrate (SM 2344)<br>Colimide, Sulphate (SM 23248)<br>(EPA 300.0)<br>Nitrate + Nitrite /TKN<br>(SM 4150) |  |  |  |  |  | WW- Wastewater    |
| Address<br>900 W. Elliot Rd, #101      |  | Street<br>Santa Fe National Forest         |  |                                                                                                                                                                                                                          |  |  |  |  |  | GW- Ground Water  |
| City<br>Tempe                          |  | City<br>Santa Fe County                    |  |                                                                                                                                                                                                                          |  |  |  |  |  | SW- Surface Water |
| State<br>AZ                            |  | State<br>NM                                |  |                                                                                                                                                                                                                          |  |  |  |  |  | SD- Soil          |
| Zip<br>85284                           |  | Project #<br>12767.201.001.0020            |  |                                                                                                                                                                                                                          |  |  |  |  |  | OI- Oil           |
| Project Contact<br>Barb Wethington     |  | Project #                                  |  | WP- Wipe                                                                                                                                                                                                                 |  |  |  |  |  |                   |
| Phone #<br>(480) 477-4911              |  | EMAIL:<br>B.Wethington@westonsolutions.com |  | LIQ- Non-aqueous Liquid                                                                                                                                                                                                  |  |  |  |  |  |                   |
| Sampler's Name<br>G. Roussos           |  | Client Purchase Order #                    |  | AIR                                                                                                                                                                                                                      |  |  |  |  |  |                   |
|                                        |  |                                            |  | DW- Drinking Water (Peri-State Only)                                                                                                                                                                                     |  |  |  |  |  |                   |

| Sample ID | Sample ID / Field Point / Point of Collection | Date    | Time | Collection |        | Number of preserved Bottles |   |      |      |      |      |      |      |      |      | LAB USE ONLY |      |   |   |   |   |   |  |   |
|-----------|-----------------------------------------------|---------|------|------------|--------|-----------------------------|---|------|------|------|------|------|------|------|------|--------------|------|---|---|---|---|---|--|---|
|           |                                               |         |      | Sampled by | Matrix | # of bottles                | Q | PHOS | PHOS | PHOS | PHOS | PHOS | PHOS | PHOS | PHOS |              | PHOS |   |   |   |   |   |  |   |
| 1         | LB-MW1-011216                                 | 1/12/16 | 1020 | GR         | GW     | 4                           |   | 2    | 1    | 1    |      |      |      |      |      |              |      | X | X | X | X | X |  |   |
| 2         | LB-MW2-011216                                 | 1/12/16 | 1140 | GR         | GW     | 4                           |   | 2    | 1    | 1    |      |      |      |      |      |              |      | X | X | X | X | X |  |   |
| XX        | AST Item                                      |         |      |            |        |                             |   |      |      |      |      |      |      |      |      |              |      |   |   |   |   |   |  | X |

| Turnaround Time (Business days)                                                                                                                                                                              | Approved By / Date: | Data Deliverable Information                                                                                                                                                                                                                                                                                                                                                                              | Comments / Remarks |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <input type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |                     | <input type="checkbox"/> Commercial "A" - Results only<br><input type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "D*" - Results, QC, and chromatograms<br><input type="checkbox"/> FULLT1 - Level 4 data package<br><input type="checkbox"/> EDF for Geotracker <input type="checkbox"/> EDD Format<br>Provide EDF Global ID:<br>Provide EDF Logcode: |                    |

Emergency TIA data available VIA Lablink

| Relinquished by Sampler | Date/Time | Received By: | Date/Time    | Relinquished By: | Date/Time | Received By: | Date/Time |
|-------------------------|-----------|--------------|--------------|------------------|-----------|--------------|-----------|
| 1                       | 1/13/16   | Fedex        | 1/14/16 9:15 | 2                |           |              |           |
| 3                       | 1400      |              |              | 4                |           |              |           |
| 5                       |           |              |              |                  |           |              |           |

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PHOENIX

CHAIN OF CUSTODY

50F5

ACCUTEST LABORATORIES

2105 Lundy Ave, San Jose, CA 95131 (408) 588-0200 FAX: (408) 588-0201

FED. ID # 901004361224 Accutest Quote # Bottle Order Control # Accutest NC Job #: C 043666

| Client / Reporting Information                                                                                                                                                                               |                      | Project Information                                                                                      |              | Requested Analysis                                                                                                                                                                                                                                                                                                                                                                                      |        |              |    |    |    |    |    |    |    |    |    | Matrix Codes                     |                                           |              |              |    |    |    |    |    |  |    |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|----|----|----|----|----|----|----|----|----|----------------------------------|-------------------------------------------|--------------|--------------|----|----|----|----|----|--|----|--|
| Company Name: Weston Solutions                                                                                                                                                                               |                      | Project Name: LB Bajada Mine Site                                                                        |              | Dissolved Metals (EPA 200.7/200.8) combined EA 226/228 (EPA 903/904) TDS (SM 2540 C) Total ALE / carbonate bicarb/hydroxide (SM 2320 B) Chloride / Sulfate (EPA 300.0) Nitrate / Nitrite / TEN (SM 4500)                                                                                                                                                                                                |        |              |    |    |    |    |    |    |    |    |    | WW- Wastewater                   |                                           |              |              |    |    |    |    |    |  |    |  |
| Address: 960 W. Elliot Rd, #101                                                                                                                                                                              |                      | Street: Santa Fe National Forest                                                                         |              |                                                                                                                                                                                                                                                                                                                                                                                                         |        |              |    |    |    |    |    |    |    |    |    | GW- Ground Water                 |                                           |              |              |    |    |    |    |    |  |    |  |
| City: Tempe AZ Zip: 85204                                                                                                                                                                                    |                      | City: Santa Fe County NM                                                                                 |              |                                                                                                                                                                                                                                                                                                                                                                                                         |        |              |    |    |    |    |    |    |    |    |    | SW- Surface Water                |                                           |              |              |    |    |    |    |    |  |    |  |
| Project Contact: Barb Wetnington                                                                                                                                                                             |                      | Project #: 12767.24p.001.0020                                                                            |              |                                                                                                                                                                                                                                                                                                                                                                                                         |        |              |    |    |    |    |    |    |    |    |    | SO- Soil                         |                                           |              |              |    |    |    |    |    |  |    |  |
| Phone #: (480) 477-4911                                                                                                                                                                                      |                      | EMAIL: B.Wetnington@westonsolutions.com                                                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                         |        |              |    |    |    |    |    |    |    |    |    | GI-01                            |                                           |              |              |    |    |    |    |    |  |    |  |
| Sampler's Name: G. ROUSSOS                                                                                                                                                                                   |                      | Client Purchase Order #:                                                                                 |              | WP- Wipe                                                                                                                                                                                                                                                                                                                                                                                                |        |              |    |    |    |    |    |    |    |    |    |                                  |                                           |              |              |    |    |    |    |    |  |    |  |
|                                                                                                                                                                                                              |                      |                                                                                                          |              | LIQ- Non-aqueous Liquid                                                                                                                                                                                                                                                                                                                                                                                 |        |              |    |    |    |    |    |    |    |    |    |                                  |                                           |              |              |    |    |    |    |    |  |    |  |
|                                                                                                                                                                                                              |                      |                                                                                                          |              | AIR                                                                                                                                                                                                                                                                                                                                                                                                     |        |              |    |    |    |    |    |    |    |    |    |                                  |                                           |              |              |    |    |    |    |    |  |    |  |
|                                                                                                                                                                                                              |                      |                                                                                                          |              | DW- Drinking Water (Perf. State Only)                                                                                                                                                                                                                                                                                                                                                                   |        |              |    |    |    |    |    |    |    |    |    |                                  |                                           |              |              |    |    |    |    |    |  |    |  |
|                                                                                                                                                                                                              |                      |                                                                                                          |              | LAB USE ONLY                                                                                                                                                                                                                                                                                                                                                                                            |        |              |    |    |    |    |    |    |    |    |    |                                  |                                           |              |              |    |    |    |    |    |  |    |  |
| Accutest Sample ID                                                                                                                                                                                           |                      | Collection                                                                                               |              | Number of preserved Bottles                                                                                                                                                                                                                                                                                                                                                                             |        |              |    |    |    |    |    |    |    |    |    |                                  |                                           |              |              |    |    |    |    |    |  |    |  |
| Sample ID / Field Point / Point of Collection                                                                                                                                                                |                      | Date                                                                                                     | Time         | Sampled by                                                                                                                                                                                                                                                                                                                                                                                              | Matrix | # of bottles | TO | BO | MO | DO | CO | SO | NO | PO | SI | TI                               | TA                                        | TR           | TS           | TT | TV | TX | TY | TZ |  |    |  |
| 9                                                                                                                                                                                                            | LB-MW 4 - 011316     | 11/13/16                                                                                                 | 1125         | GR                                                                                                                                                                                                                                                                                                                                                                                                      | GW     | 4            |    |    |    |    |    | 2  | 1  | 1  |    |                                  |                                           |              |              |    |    |    |    |    |  |    |  |
| 10                                                                                                                                                                                                           | LB-MW 5 - 011316     | 11/13/16                                                                                                 | 940          | GR                                                                                                                                                                                                                                                                                                                                                                                                      | GW     | 4            |    |    |    |    |    | 2  | 1  | 1  |    |                                  |                                           |              |              |    |    |    |    |    |  |    |  |
|                                                                                                                                                                                                              | <del>last item</del> |                                                                                                          |              |                                                                                                                                                                                                                                                                                                                                                                                                         |        |              |    |    |    |    |    |    |    |    |    |                                  |                                           |              |              |    |    |    |    |    |  | XX |  |
| Turnaround Time ( Business days)                                                                                                                                                                             |                      | Approved By / Date:                                                                                      |              | Data Deliverable Information                                                                                                                                                                                                                                                                                                                                                                            |        |              |    |    |    |    |    |    |    |    |    | Comments / Remarks               |                                           |              |              |    |    |    |    |    |  |    |  |
| <input type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |                      |                                                                                                          |              | <input type="checkbox"/> Commercial "A" - Results only<br><input type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B+" - Results, QC, and chromatograms<br><input type="checkbox"/> FURT1 - Level 4 data package<br><input type="checkbox"/> EDF for Geotracker <input type="checkbox"/> EDD Format<br>Provide EDF Global ID<br>Provide EDF Logcode: |        |              |    |    |    |    |    |    |    |    |    |                                  |                                           |              |              |    |    |    |    |    |  |    |  |
| Emergency TIA data available VIA Lablink                                                                                                                                                                     |                      | Sample Custody must be documented below each time samples change possession, including courier delivery. |              |                                                                                                                                                                                                                                                                                                                                                                                                         |        |              |    |    |    |    |    |    |    |    |    |                                  |                                           |              |              |    |    |    |    |    |  |    |  |
| Relinquished by Sampler:                                                                                                                                                                                     |                      | Date Time:                                                                                               | Received By: | Relinquished By:                                                                                                                                                                                                                                                                                                                                                                                        |        |              |    |    |    |    |    |    |    |    |    | Date Time:                       | Received By:                              |              |              |    |    |    |    |    |  |    |  |
| 1                                                                                                                                                                                                            |                      | 11/13/16                                                                                                 | Fedex        | 2                                                                                                                                                                                                                                                                                                                                                                                                       |        |              |    |    |    |    |    |    |    |    |    | 11/14/16 09:15                   | 2                                         |              |              |    |    |    |    |    |  |    |  |
| Relinquished by:                                                                                                                                                                                             |                      | Date Time:                                                                                               | Received By: | Relinquished By:                                                                                                                                                                                                                                                                                                                                                                                        |        |              |    |    |    |    |    |    |    |    |    | Date Time:                       | Received By:                              |              |              |    |    |    |    |    |  |    |  |
| 3                                                                                                                                                                                                            |                      | 1400                                                                                                     |              | 4                                                                                                                                                                                                                                                                                                                                                                                                       |        |              |    |    |    |    |    |    |    |    |    |                                  | 4                                         |              |              |    |    |    |    |    |  |    |  |
| Relinquished by:                                                                                                                                                                                             |                      | Date Time:                                                                                               | Received By: | Custody Seal #                                                                                                                                                                                                                                                                                                                                                                                          |        |              |    |    |    |    |    |    |    |    |    | Appropriate Bottle / Pres. Y / N | Headspace Y / N                           | On Ice Y / N | Cooler Temp. |    |    |    |    |    |  |    |  |
| 5                                                                                                                                                                                                            |                      |                                                                                                          |              | INACT                                                                                                                                                                                                                                                                                                                                                                                                   |        |              |    |    |    |    |    |    |    |    |    | Labels match Cool? Y / N         | Separate Receiving Check List used: Y / N | 2.3 / 1.4    | LB           |    |    |    |    |    |  |    |  |

C43666X: Chain of Custody

Page 5 of 6

## Accutest Laboratories Sample Receipt Summary

**Accutest Job Number:** C43666      **Client:** WESTON SOLUTIONS      **Project:** LA BAJADA MINE SITE  
**Date / Time Received:** 1/14/2016 9:15:00 AM      **Delivery Method:** \_\_\_\_\_      **Airbill #s:** 807604361190  
**Cooler Temps (Initial/Adjusted):** #1: (3.1/2.2); #2: (4/3.1); #3: (4.1/3.2); #4: (1.7/0.8); #5: (2.3/1.4);

**Cooler Security**      Y or N      Y or N  
 1. Custody Seals Present:        3. COC Present:    
 2. Custody Seals Intact:        4. SmpI Dates/Time OK

**Cooler Temperature**      Y or N  
 1. Temp criteria achieved:    
 2. Therm ID: \_\_\_\_\_ IR3;  
 3. Cooler media: \_\_\_\_\_ Ice (Bag)  
 4. No. Coolers: \_\_\_\_\_ 5

**Quality Control Preservation**      Y or N      N/A  
 1. Trip Blank present / cooler:     
 2. Trip Blank listed on COC:     
 3. Samples preserved properly:    
 4. VOCs headspace free:

**Sample Integrity - Documentation**      Y or N  
 1. Sample labels present on bottles:    
 2. Container labeling complete:    
 3. Sample container label / COC agree:

**Sample Integrity - Condition**      Y or N  
 1. Sample recvd within HT:    
 2. All containers accounted for:    
 3. Condition of sample: \_\_\_\_\_ Intact

**Sample Integrity - Instructions**      Y or N      N/A  
 1. Analysis requested is clear:    
 2. Bottles received for unspecified tests:    
 3. Sufficient volume recvd for analysis:    
 4. Compositing instructions clear:     
 5. Filtering instructions clear:

Comments

31  
3

### Technical Report for

Weston Solutions, Inc.

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

12767.201.001.0020

SGS Accutest Job Number: C45945

Sampling Date: 05/23/16

Report to:

Weston Solutions, Inc.  
960 West Elliot Road Suite 101  
Tempe, AZ 85284  
b.wethington@westonsolutions.com

ATTN: Barbara Wethington

Total number of pages in report: **64**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy  
Lab Director

Client Service contact: Maureen Coloma 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925)  
DoD ELAP (L-A-B L2242)

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Test results relate only to samples analyzed.

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## Sample Summary

Weston Solutions, Inc.

**Job No:** C45945

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
 Project No: 12767.201.001.0020

| Sample Number | Collected |          | Matrix Received | Code | Type                 | Client Sample ID |
|---------------|-----------|----------|-----------------|------|----------------------|------------------|
|               | Date      | Time By  |                 |      |                      |                  |
| C45945-1      | 05/23/16  | 15:10 GR | 05/25/16        | AQ   | Ground Water         | LB-MW1-052316    |
| C45945-1F     | 05/23/16  | 15:10 GR | 05/25/16        | AQ   | Groundwater Filtered | LB-MW1-052316    |
| C45945-2      | 05/23/16  | 16:15 GR | 05/25/16        | AQ   | Ground Water         | LB-MW2-052316    |
| C45945-2F     | 05/23/16  | 16:15 GR | 05/25/16        | AQ   | Groundwater Filtered | LB-MW2-052316    |
| C45945-3      | 05/23/16  | 14:09 GR | 05/25/16        | AQ   | Ground Water         | LB-SW1-052316    |
| C45945-3F     | 05/23/16  | 14:09 GR | 05/25/16        | AQ   | Groundwater Filtered | LB-SW1-052316    |
| C45945-4      | 05/23/16  | 13:00 GR | 05/25/16        | AQ   | Ground Water         | LB-SW2-052316    |
| C45945-4F     | 05/23/16  | 13:00 GR | 05/25/16        | AQ   | Groundwater Filtered | LB-SW2-052316    |
| C45945-5      | 05/23/16  | 13:30 GR | 05/25/16        | AQ   | Ground Water         | LB-MW5-052416    |
| C45945-5F     | 05/23/16  | 13:30 GR | 05/25/16        | AQ   | Groundwater Filtered | LB-MW5-052416    |
| C45945-6      | 05/23/16  | 14:00 GR | 05/25/16        | AQ   | Ground Water         | LB-MW4-052416    |
| C45945-6F     | 05/23/16  | 14:00 GR | 05/25/16        | AQ   | Groundwater Filtered | LB-MW4-052416    |
| C45945-7      | 05/23/16  | 11:33 GR | 05/25/16        | AQ   | Ground Water         | LB-MW7-052416    |



## Sample Summary

(continued)

Weston Solutions, Inc.

**Job No:** C45945

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
 Project No: 12767.201.001.0020

| Sample Number | Collected |          | Matrix Received | Code | Type                 | Client Sample ID |
|---------------|-----------|----------|-----------------|------|----------------------|------------------|
|               | Date      | Time By  |                 |      |                      |                  |
| C45945-7D     | 05/23/16  | 11:33 GR | 05/25/16        | AQ   | Water Dup/MSD        | LB-MW7-052416    |
| C45945-7F     | 05/23/16  | 11:33 GR | 05/25/16        | AQ   | Groundwater Filtered | LB-MW7-052416    |
| C45945-7FD    | 05/23/16  | 11:33 GR | 05/25/16        | AQ   | Ground Water         | LB-MW7-052416    |
| C45945-7FS    | 05/23/16  | 11:33 GR | 05/25/16        | AQ   | Ground Water         | LB-MW7-052416    |
| C45945-7S     | 05/23/16  | 11:33 GR | 05/25/16        | AQ   | Water Matrix Spike   | LB-MW7-052416    |
| C45945-8      | 05/23/16  | 08:13 GR | 05/25/16        | AQ   | Ground Water         | LB-MW3-052416    |
| C45945-8F     | 05/23/16  | 08:13 GR | 05/25/16        | AQ   | Groundwater Filtered | LB-MW3-052416    |
| C45945-9      | 05/23/16  | 08:13 GR | 05/25/16        | AQ   | Ground Water         | LB-MW3-052416-D  |
| C45945-9F     | 05/23/16  | 08:13 GR | 05/25/16        | AQ   | Groundwater Filtered | LB-MW3-052416-D  |

## Summary of Hits

**Job Number:** C45945  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 05/23/16

2

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

**C45945-1 LB-MW1-052316**

|                                        |      |     |      |      |                     |
|----------------------------------------|------|-----|------|------|---------------------|
| Alkalinity, Bicarbonate                | 307  | 5.0 | 5.0  | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO <sub>3</sub> | 307  | 5.0 | 1.5  | mg/l | SM2320 B-97         |
| Chloride                               | 69.8 | 5.0 | 0.98 | mg/l | EPA 300/SW846 9056A |
| Solids, Total Dissolved                | 542  | 10  | 5.3  | mg/l | SM2540 C-97         |
| Sulfate                                | 71.4 | 5.0 | 1.0  | mg/l | EPA 300/SW846 9056A |

**C45945-1F LB-MW1-052316**

|            |          |        |         |      |           |
|------------|----------|--------|---------|------|-----------|
| Arsenic    | 0.0084 J | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium     | 0.0594 J | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron      | 0.232    | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Calcium    | 68.3     | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Cobalt     | 0.0013 J | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper     | 0.0077 J | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium  | 13.7     | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese  | 0.0121 J | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum | 0.0034 J | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel     | 0.0065   | 0.0050 | 0.00060 | mg/l | EPA 200.7 |
| Potassium  | 6.55 J   | 10     | 0.035   | mg/l | EPA 200.7 |
| Sodium     | 101      | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium  | 0.559    | 0.010  | 0.00020 | mg/l | EPA 200.7 |
| Uranium    | 0.0032   | 0.0010 | 0.00010 | mg/l | EPA 200.8 |
| Vanadium   | 0.0057 J | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Zinc       | 0.0040 J | 0.020  | 0.0031  | mg/l | EPA 200.7 |

**C45945-2 LB-MW2-052316**

|                                        |        |      |       |      |                     |
|----------------------------------------|--------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate                | 267    | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO <sub>3</sub> | 267    | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                               | 47.3   | 5.0  | 0.98  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite            | 0.13   | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.17 J | 0.20 | 0.10  | mg/l | EPA 351.2           |
| Solids, Total Dissolved                | 488    | 10   | 5.3   | mg/l | SM2540 C-97         |
| Sulfate                                | 74.3   | 5.0  | 1.0   | mg/l | EPA 300/SW846 9056A |

**C45945-2F LB-MW2-052316**

|         |           |        |         |      |           |
|---------|-----------|--------|---------|------|-----------|
| Arsenic | 0.0176    | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium  | 0.0774 J  | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron   | 0.181     | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Calcium | 64.9      | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Cobalt  | 0.00050 J | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper  | 0.0049 J  | 0.010  | 0.0018  | mg/l | EPA 200.7 |

## Summary of Hits

**Job Number:** C45945  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 05/23/16

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL       | MDL    | Units   | Method         |
|---------------|------------------|-----------------|----------|--------|---------|----------------|
|               |                  | Magnesium       | 12.9     | 5.0    | 0.023   | mg/l EPA 200.7 |
|               |                  | Manganese       | 0.0020 J | 0.015  | 0.00020 | mg/l EPA 200.7 |
|               |                  | Molybdenum      | 0.0095 J | 0.020  | 0.00060 | mg/l EPA 200.7 |
|               |                  | Nickel          | 0.0036 J | 0.0050 | 0.00060 | mg/l EPA 200.7 |
|               |                  | Potassium       | 11.1     | 10     | 0.035   | mg/l EPA 200.7 |
|               |                  | Sodium          | 84.4     | 10     | 0.025   | mg/l EPA 200.7 |
|               |                  | Strontium       | 0.600    | 0.010  | 0.00020 | mg/l EPA 200.7 |
|               |                  | Uranium         | 0.0067   | 0.0010 | 0.00010 | mg/l EPA 200.8 |
|               |                  | Vanadium        | 0.0064 J | 0.010  | 0.00060 | mg/l EPA 200.7 |
|               |                  | Zinc            | 0.0059 J | 0.020  | 0.0031  | mg/l EPA 200.7 |

**C45945-3 LB-SW1-052316**

|                                        |        |      |       |      |                     |
|----------------------------------------|--------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate                | 172    | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Carbonate                  | 35.6   | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO <sub>3</sub> | 208    | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                               | 58.3   | 5.0  | 0.98  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite            | 0.11   | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.15 J | 0.20 | 0.10  | mg/l | EPA 351.2           |
| Solids, Total Dissolved                | 426    | 10   | 5.3   | mg/l | SM2540 C-97         |
| Sulfate                                | 57.4   | 5.0  | 1.0   | mg/l | EPA 300/SW846 9056A |

**C45945-3F LB-SW1-052316**

|            |           |        |         |      |           |
|------------|-----------|--------|---------|------|-----------|
| Aluminum   | 0.0722 J  | 0.20   | 0.027   | mg/l | EPA 200.7 |
| Arsenic    | 0.0069 J  | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium     | 0.0736 J  | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron      | 0.175     | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Calcium    | 52.0      | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Cobalt     | 0.00090 J | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper     | 0.0033 J  | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium  | 9.17      | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese  | 0.0188    | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum | 0.0019 J  | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel     | 0.0040 J  | 0.0050 | 0.00060 | mg/l | EPA 200.7 |
| Potassium  | 11.7      | 10     | 0.035   | mg/l | EPA 200.7 |
| Sodium     | 75.1      | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium  | 0.344     | 0.010  | 0.00020 | mg/l | EPA 200.7 |
| Uranium    | 0.0042    | 0.0010 | 0.00010 | mg/l | EPA 200.8 |
| Vanadium   | 0.0049 J  | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Zinc       | 0.0132 J  | 0.020  | 0.0031  | mg/l | EPA 200.7 |

**C45945-4 LB-SW2-052316**

|                         |     |     |     |      |             |
|-------------------------|-----|-----|-----|------|-------------|
| Alkalinity, Bicarbonate | 192 | 5.0 | 5.0 | mg/l | SM2320 B-97 |
|-------------------------|-----|-----|-----|------|-------------|

## Summary of Hits

**Job Number:** C45945  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 05/23/16

2

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

|                             |  |         |      |       |      |                     |
|-----------------------------|--|---------|------|-------|------|---------------------|
| Alkalinity, Carbonate       |  | 20.2    | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3  |  | 212     | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                    |  | 58.9    | 5.0  | 0.98  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite |  | 0.089 J | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Solids, Total Dissolved     |  | 411     | 10   | 5.3   | mg/l | SM2540 C-97         |
| Sulfate                     |  | 54.9    | 5.0  | 1.0   | mg/l | EPA 300/SW846 9056A |

**C45945-4F LB-SW2-052316**

|            |  |          |        |         |      |           |
|------------|--|----------|--------|---------|------|-----------|
| Aluminum   |  | 0.270    | 0.20   | 0.027   | mg/l | EPA 200.7 |
| Arsenic    |  | 0.0065 J | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium     |  | 0.0804 J | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron      |  | 0.166    | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Calcium    |  | 54.7     | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Cobalt     |  | 0.0014 J | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper     |  | 0.0034 J | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium  |  | 9.63     | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese  |  | 0.0308   | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum |  | 0.0014 J | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel     |  | 0.0048 J | 0.0050 | 0.00060 | mg/l | EPA 200.7 |
| Potassium  |  | 10.9     | 10     | 0.035   | mg/l | EPA 200.7 |
| Sodium     |  | 70.4     | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium  |  | 0.363    | 0.010  | 0.00020 | mg/l | EPA 200.7 |
| Uranium    |  | 0.0043   | 0.0010 | 0.00010 | mg/l | EPA 200.8 |
| Vanadium   |  | 0.0052 J | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Zinc       |  | 0.0129 J | 0.020  | 0.0031  | mg/l | EPA 200.7 |

**C45945-5 LB-MW5-052416**

|                                       |  |        |      |       |      |                     |
|---------------------------------------|--|--------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate               |  | 283    | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3            |  | 283    | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                              |  | 60.4   | 5.0  | 0.98  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite           |  | 0.16   | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Nitrogen, Total Kjeldahl <sup>a</sup> |  | 0.12 J | 0.20 | 0.10  | mg/l | EPA 351.2           |
| Solids, Total Dissolved               |  | 470    | 10   | 5.3   | mg/l | SM2540 C-97         |
| Sulfate                               |  | 71.1   | 5.0  | 1.0   | mg/l | EPA 300/SW846 9056A |

**C45945-5F LB-MW5-052416**

|          |  |           |        |         |      |           |
|----------|--|-----------|--------|---------|------|-----------|
| Arsenic  |  | 0.0098 J  | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium   |  | 0.0502 J  | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron    |  | 0.171     | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Calcium  |  | 64.0      | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Chromium |  | 0.00070 J | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Cobalt   |  | 0.0025 J  | 0.0050 | 0.00040 | mg/l | EPA 200.7 |

## Summary of Hits

**Job Number:** C45945  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 05/23/16

2

| Lab Sample ID | Client Sample ID | Result/<br>Analyte | RL | MDL | Units | Method |
|---------------|------------------|--------------------|----|-----|-------|--------|
|---------------|------------------|--------------------|----|-----|-------|--------|

|            |  |          |        |         |      |           |
|------------|--|----------|--------|---------|------|-----------|
| Copper     |  | 0.0034 J | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium  |  | 14.9     | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese  |  | 0.554    | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum |  | 0.0093 J | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel     |  | 0.0074   | 0.0050 | 0.00060 | mg/l | EPA 200.7 |
| Potassium  |  | 7.52 J   | 10     | 0.035   | mg/l | EPA 200.7 |
| Sodium     |  | 80.2     | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium  |  | 0.531    | 0.010  | 0.00020 | mg/l | EPA 200.7 |
| Uranium    |  | 0.0146   | 0.0010 | 0.00010 | mg/l | EPA 200.8 |
| Vanadium   |  | 0.0029 J | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Zinc       |  | 0.0040 J | 0.020  | 0.0031  | mg/l | EPA 200.7 |

**C45945-6 LB-MW4-052416**

|                             |  |      |      |       |      |                     |
|-----------------------------|--|------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate     |  | 280  | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3  |  | 280  | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                    |  | 60.4 | 10   | 2.0   | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite |  | 0.29 | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Solids, Total Dissolved     |  | 691  | 10   | 5.3   | mg/l | SM2540 C-97         |
| Sulfate                     |  | 183  | 10   | 2.1   | mg/l | EPA 300/SW846 9056A |

**C45945-6F LB-MW4-052416**

|            |  |           |        |         |      |           |
|------------|--|-----------|--------|---------|------|-----------|
| Arsenic    |  | 0.0089 J  | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium     |  | 0.0765 J  | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron      |  | 0.187     | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Calcium    |  | 89.4      | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Chromium   |  | 0.00070 J | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Cobalt     |  | 0.00050 J | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper     |  | 0.0056 J  | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium  |  | 28.1      | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese  |  | 0.0020 J  | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum |  | 0.0046 J  | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel     |  | 0.0048 J  | 0.0050 | 0.00060 | mg/l | EPA 200.7 |
| Potassium  |  | 8.55 J    | 10     | 0.035   | mg/l | EPA 200.7 |
| Sodium     |  | 89.7      | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium  |  | 0.672     | 0.010  | 0.00020 | mg/l | EPA 200.7 |
| Uranium    |  | 0.0658    | 0.0010 | 0.00010 | mg/l | EPA 200.8 |
| Vanadium   |  | 0.0073 J  | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Zinc       |  | 0.0050 J  | 0.020  | 0.0031  | mg/l | EPA 200.7 |

**C45945-7 LB-MW7-052416**

|                            |  |     |     |     |      |             |
|----------------------------|--|-----|-----|-----|------|-------------|
| Alkalinity, Bicarbonate    |  | 265 | 5.0 | 5.0 | mg/l | SM2320 B-97 |
| Alkalinity, Total as CaCO3 |  | 265 | 5.0 | 1.5 | mg/l | SM2320 B-97 |

# Summary of Hits

**Job Number:** C45945  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 05/23/16

2

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

|                             |  |      |      |       |      |                     |
|-----------------------------|--|------|------|-------|------|---------------------|
| Chloride                    |  | 60.4 | 5.0  | 0.98  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite |  | 0.19 | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Solids, Total Dissolved     |  | 500  | 10   | 5.3   | mg/l | SM2540 C-97         |
| Sulfate                     |  | 76.8 | 5.0  | 1.0   | mg/l | EPA 300/SW846 9056A |

**C45945-7F LB-MW7-052416**

|            |  |           |        |         |      |           |
|------------|--|-----------|--------|---------|------|-----------|
| Arsenic    |  | 0.0104    | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium     |  | 0.0443 J  | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron      |  | 0.187     | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Cadmium    |  | 0.00030 J | 0.0020 | 0.00030 | mg/l | EPA 200.7 |
| Calcium    |  | 69.7      | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Copper     |  | 0.0033 J  | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium  |  | 15.6      | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese  |  | 0.0014 J  | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum |  | 0.0044 J  | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel     |  | 0.0050    | 0.0050 | 0.00060 | mg/l | EPA 200.7 |
| Potassium  |  | 5.52 J    | 10     | 0.035   | mg/l | EPA 200.7 |
| Silver     |  | 0.0016 J  | 0.0050 | 0.0015  | mg/l | EPA 200.7 |
| Sodium     |  | 84.3      | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium  |  | 0.544     | 0.010  | 0.00020 | mg/l | EPA 200.7 |
| Uranium    |  | 0.0169    | 0.0010 | 0.00010 | mg/l | EPA 200.8 |
| Vanadium   |  | 0.0078 J  | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Zinc       |  | 0.0034 J  | 0.020  | 0.0031  | mg/l | EPA 200.7 |

**C45945-8 LB-MW3-052416**

|                             |  |         |      |       |      |                     |
|-----------------------------|--|---------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate     |  | 568     | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3  |  | 568     | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                    |  | 35.4    | 2.5  | 0.49  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite |  | 0.067 J | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Solids, Total Dissolved     |  | 1830    | 10   | 5.3   | mg/l | SM2540 C-97         |
| Sulfate                     |  | 799     | 50   | 10    | mg/l | EPA 300/SW846 9056A |

**C45945-8F LB-MW3-052416**

|           |  |          |        |         |      |           |
|-----------|--|----------|--------|---------|------|-----------|
| Arsenic   |  | 0.0053 J | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium    |  | 0.0414 J | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron     |  | 0.274    | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Calcium   |  | 240      | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Chromium  |  | 0.0011 J | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Cobalt    |  | 0.0272   | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper    |  | 0.0045 J | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium |  | 114      | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese |  | 0.398    | 0.015  | 0.00020 | mg/l | EPA 200.7 |

## Summary of Hits

**Job Number:** C45945  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 05/23/16

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL     | MDL     | Units | Method    |
|---------------|------------------|-----------------|--------|---------|-------|-----------|
|               |                  | 0.0071 J        | 0.020  | 0.00060 | mg/l  | EPA 200.7 |
|               |                  | 0.0623          | 0.0050 | 0.00060 | mg/l  | EPA 200.7 |
|               |                  | 16.8            | 10     | 0.035   | mg/l  | EPA 200.7 |
|               |                  | 146             | 10     | 0.025   | mg/l  | EPA 200.7 |
|               |                  | 1.84            | 0.010  | 0.00020 | mg/l  | EPA 200.7 |
|               |                  | 0.358           | 0.0010 | 0.00010 | mg/l  | EPA 200.8 |
|               |                  | 0.0052 J        | 0.020  | 0.0031  | mg/l  | EPA 200.7 |

**C45945-9 LB-MW3-052416-D**

|                             |      |      |       |      |                     |
|-----------------------------|------|------|-------|------|---------------------|
| Alkalinity, Bicarbonate     | 566  | 5.0  | 5.0   | mg/l | SM2320 B-97         |
| Alkalinity, Total as CaCO3  | 566  | 5.0  | 1.5   | mg/l | SM2320 B-97         |
| Chloride                    | 35.4 | 2.5  | 0.49  | mg/l | EPA 300/SW846 9056A |
| Nitrogen, Nitrate + Nitrite | 0.11 | 0.10 | 0.041 | mg/l | SM4500-NO3 E-00     |
| Solids, Total Dissolved     | 1810 | 10   | 5.3   | mg/l | SM2540 C-97         |
| Sulfate                     | 798  | 50   | 10    | mg/l | EPA 300/SW846 9056A |

**C45945-9F LB-MW3-052416-D**

|            |           |        |         |      |           |
|------------|-----------|--------|---------|------|-----------|
| Arsenic    | 0.0049 J  | 0.010  | 0.0025  | mg/l | EPA 200.7 |
| Barium     | 0.0409 J  | 0.20   | 0.00050 | mg/l | EPA 200.7 |
| Boron      | 0.273     | 0.10   | 0.0032  | mg/l | EPA 200.7 |
| Cadmium    | 0.00030 J | 0.0020 | 0.00030 | mg/l | EPA 200.7 |
| Calcium    | 236       | 5.0    | 0.069   | mg/l | EPA 200.7 |
| Chromium   | 0.00070 J | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Cobalt     | 0.0265    | 0.0050 | 0.00040 | mg/l | EPA 200.7 |
| Copper     | 0.0050 J  | 0.010  | 0.0018  | mg/l | EPA 200.7 |
| Magnesium  | 112       | 5.0    | 0.023   | mg/l | EPA 200.7 |
| Manganese  | 0.385     | 0.015  | 0.00020 | mg/l | EPA 200.7 |
| Molybdenum | 0.0075 J  | 0.020  | 0.00060 | mg/l | EPA 200.7 |
| Nickel     | 0.0606    | 0.0050 | 0.00060 | mg/l | EPA 200.7 |
| Potassium  | 16.7      | 10     | 0.035   | mg/l | EPA 200.7 |
| Sodium     | 145       | 10     | 0.025   | mg/l | EPA 200.7 |
| Strontium  | 1.82      | 0.010  | 0.00020 | mg/l | EPA 200.7 |
| Uranium    | 0.348     | 0.0010 | 0.00010 | mg/l | EPA 200.8 |
| Zinc       | 0.0072 J  | 0.020  | 0.0031  | mg/l | EPA 200.7 |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

Sample Results

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Report of Analysis

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# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW1-052316                                        | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-1                                                | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## General Chemistry

| Analyte                                | Result  | RL   | MDL   | Units | DF | Analyzed          | By            | Method |
|----------------------------------------|---------|------|-------|-------|----|-------------------|---------------|--------|
| Alkalinity, Bicarbonate                | 307     | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Carbonate                  | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Total as CaCO <sub>3</sub> | 307     | 5.0  | 1.5   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Chloride                               | 69.8    | 5.0  | 0.98  | mg/l  | 10 | 06/08/16 00:44 PH | EPA 300/SW846 | 9056A  |
| Hydroxide Alkalinity                   | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Nitrogen, Nitrate + Nitrite            | 0.041 U | 0.10 | 0.041 | mg/l  | 1  | 06/08/16 10:00 EB | SM4500-NO3    | E-00   |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.10 U  | 0.20 | 0.10  | mg/l  | 1  | 05/27/16          | ATXEPA        | 351.2  |
| Solids, Total Dissolved                | 542     | 10   | 5.3   | mg/l  | 1  | 05/26/16 09:50 EA | SM2540        | C-97   |
| Sulfate                                | 71.4    | 5.0  | 1.0   | mg/l  | 10 | 06/08/16 00:44 PH | EPA 300/SW846 | 9056A  |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |  |                                |
|-------------------------------------------------------------------------------|--|--------------------------------|
| <b>Client Sample ID:</b> LB-MW1-052316                                        |  | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-1F                                               |  | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      |  | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |  |                                |

### Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0084 J  | 0.010  | 0.0025  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0594 J  | 0.20   | 0.00050 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.232     | 0.10   | 0.0032  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 68.3      | 5.0    | 0.069   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.0013 J  | 0.0050 | 0.00040 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0077 J  | 0.010  | 0.0018  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 13.7      | 5.0    | 0.023   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.0121 J  | 0.015  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0034 J  | 0.020  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0065    | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 6.55 J    | 10     | 0.035   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 101       | 10     | 0.025   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 0.559     | 0.010  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.0032    | 0.0010 | 0.00010 | mg/l  | 1  | 06/03/16 | 06/07/16 RS | EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.0057 J  | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0040 J  | 0.020  | 0.0031  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |

(1) Instrument QC Batch: MA5925

(2) Instrument QC Batch: MA5928

(3) Prep QC Batch: MP11420

(4) Prep QC Batch: MP11421

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW2-052316                                        | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-2                                                | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                                | Result | RL   | MDL   | Units | DF | Analyzed          | By | Method              |
|----------------------------------------|--------|------|-------|-------|----|-------------------|----|---------------------|
| Alkalinity, Bicarbonate                | 267    | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ |    | SM2320 B-97         |
| Alkalinity, Carbonate                  | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ |    | SM2320 B-97         |
| Alkalinity, Total as CaCO <sub>3</sub> | 267    | 5.0  | 1.5   | mg/l  | 1  | 06/01/16 10:00 DQ |    | SM2320 B-97         |
| Chloride                               | 47.3   | 5.0  | 0.98  | mg/l  | 10 | 06/08/16 01:01 PH |    | EPA 300/SW846 9056A |
| Hydroxide Alkalinity                   | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ |    | SM2320 B-97         |
| Nitrogen, Nitrate + Nitrite            | 0.13   | 0.10 | 0.041 | mg/l  | 1  | 06/08/16 10:00 EB |    | SM4500-NO3 E-00     |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.17 J | 0.20 | 0.10  | mg/l  | 1  | 05/27/16          |    | ATXEPA 351.2        |
| Solids, Total Dissolved                | 488    | 10   | 5.3   | mg/l  | 1  | 05/26/16 09:50 EA |    | SM2540 C-97         |
| Sulfate                                | 74.3   | 5.0  | 1.0   | mg/l  | 10 | 06/08/16 01:01 PH |    | EPA 300/SW846 9056A |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW2-052316                                        | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-2F                                               | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0176    | 0.010  | 0.0025  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0774 J  | 0.20   | 0.00050 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.181     | 0.10   | 0.0032  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 64.9      | 5.0    | 0.069   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.00050 J | 0.0050 | 0.00040 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0049 J  | 0.010  | 0.0018  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 12.9      | 5.0    | 0.023   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.0020 J  | 0.015  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0095 J  | 0.020  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0036 J  | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 11.1      | 10     | 0.035   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 84.4      | 10     | 0.025   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 0.600     | 0.010  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.0067    | 0.0010 | 0.00010 | mg/l  | 1  | 06/03/16 | 06/07/16 RS | EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.0064 J  | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0059 J  | 0.020  | 0.0031  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |

- (1) Instrument QC Batch: MA5925
- (2) Instrument QC Batch: MA5928
- (3) Prep QC Batch: MP11420
- (4) Prep QC Batch: MP11421

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW1-052316                                        | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-3                                                | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                                | Result | RL   | MDL   | Units | DF | Analyzed          | By            | Method |
|----------------------------------------|--------|------|-------|-------|----|-------------------|---------------|--------|
| Alkalinity, Bicarbonate                | 172    | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Carbonate                  | 35.6   | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Total as CaCO <sub>3</sub> | 208    | 5.0  | 1.5   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Chloride                               | 58.3   | 5.0  | 0.98  | mg/l  | 10 | 06/08/16 01:19 PH | EPA 300/SW846 | 9056A  |
| Hydroxide Alkalinity                   | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Nitrogen, Nitrate + Nitrite            | 0.11   | 0.10 | 0.041 | mg/l  | 1  | 06/08/16 10:00 EB | SM4500-NO3    | E-00   |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.15 J | 0.20 | 0.10  | mg/l  | 1  | 05/27/16          | ATXEPA        | 351.2  |
| Solids, Total Dissolved                | 426    | 10   | 5.3   | mg/l  | 1  | 05/26/16 09:50 EA | SM2540        | C-97   |
| Sulfate                                | 57.4   | 5.0  | 1.0   | mg/l  | 10 | 06/08/16 01:19 PH | EPA 300/SW846 | 9056A  |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW1-052316                                        | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-3F                                               | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.0722 J  | 0.20   | 0.027   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0069 J  | 0.010  | 0.0025  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0736 J  | 0.20   | 0.00050 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.175     | 0.10   | 0.0032  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 52.0      | 5.0    | 0.069   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.00090 J | 0.0050 | 0.00040 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0033 J  | 0.010  | 0.0018  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 9.17      | 5.0    | 0.023   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.0188    | 0.015  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0019 J  | 0.020  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0040 J  | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 11.7      | 10     | 0.035   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 75.1      | 10     | 0.025   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 0.344     | 0.010  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.0042    | 0.0010 | 0.00010 | mg/l  | 1  | 06/03/16 | 06/07/16 RS | EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.0049 J  | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0132 J  | 0.020  | 0.0031  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |

(1) Instrument QC Batch: MA5925

(2) Instrument QC Batch: MA5928

(3) Prep QC Batch: MP11420

(4) Prep QC Batch: MP11421

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW2-052316                                        | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-4                                                | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## General Chemistry

| Analyte                                | Result  | RL   | MDL   | Units | DF | Analyzed          | By            | Method |
|----------------------------------------|---------|------|-------|-------|----|-------------------|---------------|--------|
| Alkalinity, Bicarbonate                | 192     | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Carbonate                  | 20.2    | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Total as CaCO <sub>3</sub> | 212     | 5.0  | 1.5   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Chloride                               | 58.9    | 5.0  | 0.98  | mg/l  | 10 | 06/08/16 01:36 PH | EPA 300/SW846 | 9056A  |
| Hydroxide Alkalinity                   | 5.0 U   | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Nitrogen, Nitrate + Nitrite            | 0.089 J | 0.10 | 0.041 | mg/l  | 1  | 06/08/16 10:00 EB | SM4500-NO3    | E-00   |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.10 U  | 0.20 | 0.10  | mg/l  | 1  | 05/27/16          | ATXEPA 351.2  |        |
| Solids, Total Dissolved                | 411     | 10   | 5.3   | mg/l  | 1  | 05/26/16 09:50 EA | SM2540        | C-97   |
| Sulfate                                | 54.9    | 5.0  | 1.0   | mg/l  | 10 | 06/08/16 01:36 PH | EPA 300/SW846 | 9056A  |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW2-052316                                        | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-4F                                               | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.270     | 0.20   | 0.027   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0065 J  | 0.010  | 0.0025  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0804 J  | 0.20   | 0.00050 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.166     | 0.10   | 0.0032  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 54.7      | 5.0    | 0.069   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.0014 J  | 0.0050 | 0.00040 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0034 J  | 0.010  | 0.0018  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 9.63      | 5.0    | 0.023   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.0308    | 0.015  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0014 J  | 0.020  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0048 J  | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 10.9      | 10     | 0.035   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 70.4      | 10     | 0.025   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 0.363     | 0.010  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.0043    | 0.0010 | 0.00010 | mg/l  | 1  | 06/03/16 | 06/07/16 RS | EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.0052 J  | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0129 J  | 0.020  | 0.0031  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |

- (1) Instrument QC Batch: MA5925
- (2) Instrument QC Batch: MA5928
- (3) Prep QC Batch: MP11420
- (4) Prep QC Batch: MP11421

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW5-052416                                        | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-5                                                | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                                | Result | RL   | MDL   | Units | DF | Analyzed          | By            | Method |
|----------------------------------------|--------|------|-------|-------|----|-------------------|---------------|--------|
| Alkalinity, Bicarbonate                | 283    | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Carbonate                  | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Total as CaCO <sub>3</sub> | 283    | 5.0  | 1.5   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Chloride                               | 60.4   | 5.0  | 0.98  | mg/l  | 10 | 06/08/16 10:56 PH | EPA 300/SW846 | 9056A  |
| Hydroxide Alkalinity                   | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Nitrogen, Nitrate + Nitrite            | 0.16   | 0.10 | 0.041 | mg/l  | 1  | 06/08/16 10:00 EB | SM4500-NO3    | E-00   |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.12 J | 0.20 | 0.10  | mg/l  | 1  | 05/27/16          | ATXEPA        | 351.2  |
| Solids, Total Dissolved                | 470    | 10   | 5.3   | mg/l  | 1  | 05/26/16 09:50 EA | SM2540        | C-97   |
| Sulfate                                | 71.1   | 5.0  | 1.0   | mg/l  | 10 | 06/08/16 10:56 PH | EPA 300/SW846 | 9056A  |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW5-052416                                        | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-5F                                               | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0098 J  | 0.010  | 0.0025  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0502 J  | 0.20   | 0.00050 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.171     | 0.10   | 0.0032  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 64.0      | 5.0    | 0.069   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00070 J | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.0025 J  | 0.0050 | 0.00040 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0034 J  | 0.010  | 0.0018  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 14.9      | 5.0    | 0.023   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.554     | 0.015  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0093 J  | 0.020  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0074    | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 7.52 J    | 10     | 0.035   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 80.2      | 10     | 0.025   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 0.531     | 0.010  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.0146    | 0.0010 | 0.00010 | mg/l  | 1  | 06/03/16 | 06/07/16 RS | EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.0029 J  | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0040 J  | 0.020  | 0.0031  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |

(1) Instrument QC Batch: MA5925

(2) Instrument QC Batch: MA5928

(3) Prep QC Batch: MP11420

(4) Prep QC Batch: MP11421

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW4-052416                                        | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-6                                                | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## General Chemistry

| Analyte                                | Result | RL   | MDL   | Units | DF | Analyzed          | By            | Method |
|----------------------------------------|--------|------|-------|-------|----|-------------------|---------------|--------|
| Alkalinity, Bicarbonate                | 280    | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Carbonate                  | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Total as CaCO <sub>3</sub> | 280    | 5.0  | 1.5   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Chloride                               | 60.4   | 10   | 2.0   | mg/l  | 20 | 06/08/16 11:13 PH | EPA 300/SW846 | 9056A  |
| Hydroxide Alkalinity                   | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Nitrogen, Nitrate + Nitrite            | 0.29   | 0.10 | 0.041 | mg/l  | 1  | 06/08/16 10:00 EB | SM4500-NO3    | E-00   |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.10 U | 0.20 | 0.10  | mg/l  | 1  | 05/27/16          | ATXEPA 351.2  |        |
| Solids, Total Dissolved                | 691    | 10   | 5.3   | mg/l  | 1  | 05/26/16 09:50 EA | SM2540        | C-97   |
| Sulfate                                | 183    | 10   | 2.1   | mg/l  | 20 | 06/08/16 11:13 PH | EPA 300/SW846 | 9056A  |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW4-052416                                        | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-6F                                               | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0089 J  | 0.010  | 0.0025  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0765 J  | 0.20   | 0.00050 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.187     | 0.10   | 0.0032  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 89.4      | 5.0    | 0.069   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00070 J | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.00050 J | 0.0050 | 0.00040 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0056 J  | 0.010  | 0.0018  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 28.1      | 5.0    | 0.023   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.0020 J  | 0.015  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0046 J  | 0.020  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0048 J  | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 8.55 J    | 10     | 0.035   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 89.7      | 10     | 0.025   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 0.672     | 0.010  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.0658    | 0.0010 | 0.00010 | mg/l  | 1  | 06/03/16 | 06/07/16 RS | EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.0073 J  | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0050 J  | 0.020  | 0.0031  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |

(1) Instrument QC Batch: MA5925

(2) Instrument QC Batch: MA5928

(3) Prep QC Batch: MP11420

(4) Prep QC Batch: MP11421

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW7-052416                                        | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-7                                                | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                                | Result | RL   | MDL   | Units | DF | Analyzed          | By            | Method |
|----------------------------------------|--------|------|-------|-------|----|-------------------|---------------|--------|
| Alkalinity, Bicarbonate                | 265    | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Carbonate                  | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Total as CaCO <sub>3</sub> | 265    | 5.0  | 1.5   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Chloride                               | 60.4   | 5.0  | 0.98  | mg/l  | 10 | 06/08/16 11:31 PH | EPA 300/SW846 | 9056A  |
| Hydroxide Alkalinity                   | 5.0 U  | 5.0  | 5.0   | mg/l  | 1  | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Nitrogen, Nitrate + Nitrite            | 0.19   | 0.10 | 0.041 | mg/l  | 1  | 06/08/16 10:00 EB | SM4500-NO3    | E-00   |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.10 U | 0.20 | 0.10  | mg/l  | 1  | 05/27/16          | ATXEPA        | 351.2  |
| Solids, Total Dissolved                | 500    | 10   | 5.3   | mg/l  | 1  | 05/26/16 09:50 EA | SM2540        | C-97   |
| Sulfate                                | 76.8   | 5.0  | 1.0   | mg/l  | 10 | 06/08/16 11:31 PH | EPA 300/SW846 | 9056A  |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW7-052416                                        | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-7F                                               | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0104    | 0.010  | 0.0025  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0443 J  | 0.20   | 0.00050 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.187     | 0.10   | 0.0032  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 J | 0.0020 | 0.00030 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 69.7      | 5.0    | 0.069   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.00040 U | 0.0050 | 0.00040 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0033 J  | 0.010  | 0.0018  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 15.6      | 5.0    | 0.023   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.0014 J  | 0.015  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0044 J  | 0.020  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0050    | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 5.52 J    | 10     | 0.035   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0016 J  | 0.0050 | 0.0015  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 84.3      | 10     | 0.025   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 0.544     | 0.010  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.0169    | 0.0010 | 0.00010 | mg/l  | 1  | 06/03/16 | 06/07/16 RS | EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.0078 J  | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0034 J  | 0.020  | 0.0031  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |

(1) Instrument QC Batch: MA5925

(2) Instrument QC Batch: MA5928

(3) Prep QC Batch: MP11420

(4) Prep QC Batch: MP11421

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-052416                                        | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-8                                                | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## General Chemistry

| Analyte                                | Result  | RL   | MDL   | Units | DF  | Analyzed          | By            | Method |
|----------------------------------------|---------|------|-------|-------|-----|-------------------|---------------|--------|
| Alkalinity, Bicarbonate                | 568     | 5.0  | 5.0   | mg/l  | 1   | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Carbonate                  | 5.0 U   | 5.0  | 5.0   | mg/l  | 1   | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Total as CaCO <sub>3</sub> | 568     | 5.0  | 1.5   | mg/l  | 1   | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Chloride                               | 35.4    | 2.5  | 0.49  | mg/l  | 5   | 06/08/16 12:05 PH | EPA 300/SW846 | 9056A  |
| Hydroxide Alkalinity                   | 5.0 U   | 5.0  | 5.0   | mg/l  | 1   | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Nitrogen, Nitrate + Nitrite            | 0.067 J | 0.10 | 0.041 | mg/l  | 1   | 06/08/16 10:00 EB | SM4500-NO3    | E-00   |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.10 U  | 0.20 | 0.10  | mg/l  | 1   | 05/27/16          | ATXEPA        | 351.2  |
| Solids, Total Dissolved                | 1830    | 10   | 5.3   | mg/l  | 1   | 05/26/16 09:50 EA | SM2540        | C-97   |
| Sulfate                                | 799     | 50   | 10    | mg/l  | 100 | 06/08/16 11:48 PH | EPA 300/SW846 | 9056A  |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-052416                                        | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-8F                                               | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0053 J  | 0.010  | 0.0025  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0414 J  | 0.20   | 0.00050 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.274     | 0.10   | 0.0032  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 U | 0.0020 | 0.00030 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 240       | 5.0    | 0.069   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.0011 J  | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.0272    | 0.0050 | 0.00040 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0045 J  | 0.010  | 0.0018  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 114       | 5.0    | 0.023   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.398     | 0.015  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0071 J  | 0.020  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0623    | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 16.8      | 10     | 0.035   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 146       | 10     | 0.025   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 1.84      | 0.010  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.358     | 0.0010 | 0.00010 | mg/l  | 1  | 06/03/16 | 06/07/16 RS | EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0052 J  | 0.020  | 0.0031  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |

(1) Instrument QC Batch: MA5925

(2) Instrument QC Batch: MA5928

(3) Prep QC Batch: MP11420

(4) Prep QC Batch: MP11421

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-052416-D                                      | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-9                                                | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## General Chemistry

| Analyte                                | Result | RL   | MDL   | Units | DF  | Analyzed          | By            | Method |
|----------------------------------------|--------|------|-------|-------|-----|-------------------|---------------|--------|
| Alkalinity, Bicarbonate                | 566    | 5.0  | 5.0   | mg/l  | 1   | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Carbonate                  | 5.0 U  | 5.0  | 5.0   | mg/l  | 1   | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Alkalinity, Total as CaCO <sub>3</sub> | 566    | 5.0  | 1.5   | mg/l  | 1   | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Chloride                               | 35.4   | 2.5  | 0.49  | mg/l  | 5   | 06/08/16 12:40 PH | EPA 300/SW846 | 9056A  |
| Hydroxide Alkalinity                   | 5.0 U  | 5.0  | 5.0   | mg/l  | 1   | 06/01/16 10:00 DQ | SM2320        | B-97   |
| Nitrogen, Nitrate + Nitrite            | 0.11   | 0.10 | 0.041 | mg/l  | 1   | 06/08/16 10:00 EB | SM4500-NO3    | E-00   |
| Nitrogen, Total Kjeldahl <sup>a</sup>  | 0.10 U | 0.20 | 0.10  | mg/l  | 1   | 05/27/16          | ATXEPA        | 351.2  |
| Solids, Total Dissolved                | 1810   | 10   | 5.3   | mg/l  | 1   | 05/26/16 12:09 EA | SM2540        | C-97   |
| Sulfate                                | 798    | 50   | 10    | mg/l  | 100 | 06/08/16 12:23 PH | EPA 300/SW846 | 9056A  |

(a) Analysis performed at Accutest Laboratories, Houston, TX.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-052416-D                                      | <b>Date Sampled:</b> 05/23/16  |
| <b>Lab Sample ID:</b> C45945-9F                                               | <b>Date Received:</b> 05/25/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte    | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                 | Prep Method            |
|------------|-----------|--------|---------|-------|----|----------|-------------|------------------------|------------------------|
| Aluminum   | 0.027 U   | 0.20   | 0.027   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Antimony   | 0.0012 U  | 0.0060 | 0.0012  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Arsenic    | 0.0049 J  | 0.010  | 0.0025  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Barium     | 0.0409 J  | 0.20   | 0.00050 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Beryllium  | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Boron      | 0.273     | 0.10   | 0.0032  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cadmium    | 0.00030 J | 0.0020 | 0.00030 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Calcium    | 236       | 5.0    | 0.069   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Chromium   | 0.00070 J | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Cobalt     | 0.0265    | 0.0050 | 0.00040 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Copper     | 0.0050 J  | 0.010  | 0.0018  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Magnesium  | 112       | 5.0    | 0.023   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Manganese  | 0.385     | 0.015  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Molybdenum | 0.0075 J  | 0.020  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Nickel     | 0.0606    | 0.0050 | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Potassium  | 16.7      | 10     | 0.035   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Silver     | 0.0015 U  | 0.0050 | 0.0015  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Sodium     | 145       | 10     | 0.025   | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Strontium  | 1.82      | 0.010  | 0.00020 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Thallium   | 0.0048 U  | 0.010  | 0.0048  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Uranium    | 0.348     | 0.0010 | 0.00010 | mg/l  | 1  | 06/03/16 | 06/07/16 RS | EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>4</sup> |
| Vanadium   | 0.00060 U | 0.010  | 0.00060 | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |
| Zinc       | 0.0072 J  | 0.020  | 0.0031  | mg/l  | 1  | 06/03/16 | 06/08/16 RS | EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>3</sup> |

(1) Instrument QC Batch: MA5925

(2) Instrument QC Batch: MA5928

(3) Prep QC Batch: MP11420

(4) Prep QC Batch: MP11421

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

Misc. Forms

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Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody

# PHOENIX

# CHAIN OF CUSTODY

808539024883

1075



2105 Lundy Ave, San Jose, CA 95131  
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking #  
Accutest Quote #  
Bottle Order Control #  
Accutest NC Job #: **C45945**

| Client / Reporting Information             |                                               | Project Information                              |             |            |           |              |                             |          |          |          |    |    |    |    | Requested Analysis                                                                                                                                                                            |    |     |     |     |     | Matrix Codes                                                                                                                                                            |     |     |     |     |     |     |     |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------------------------|-----------------------------------------------|--------------------------------------------------|-------------|------------|-----------|--------------|-----------------------------|----------|----------|----------|----|----|----|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----|-----|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|----|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name<br><b>Weston Solutions</b>    |                                               | Project Name: <b>LA BAJADA</b>                   |             |            |           |              |                             |          |          |          |    |    |    |    |                                                                                                                                                                                               |    |     |     |     |     | WW - Wastewater<br>GW - Groundwater<br>SW - Surface Water<br>SD - Soil<br>CL-CL<br>WP-Wipe<br>LIQ - Non-aqueous Liquid<br>AIR<br>DW - Drinking Water (Perchlorate Only) |     |     |     |     |     |     |     |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Address<br><b>960 W. Elliot Rd. #101</b>   |                                               | Street                                           |             |            |           |              |                             |          |          |          |    |    |    |    | <b>Disolved Metals</b><br><b>RA 226 + RA 228</b><br><b>TBS</b><br><b>Total PAH (Carbon AIC)</b><br><b>Bicarbonate / Hydroxide</b><br><b>Chloride / Sulfate</b><br><b>Nitrate Nitric / TKN</b> |    |     |     |     |     | LAB USE ONLY                                                                                                                                                            |     |     |     |     |     |     |     |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| City<br><b>Tempe AZ</b>                    |                                               | City State                                       |             |            |           |              |                             |          |          |          |    |    |    |    |                                                                                                                                                                                               |    |     |     |     |     |                                                                                                                                                                         |     |     |     |     |     |     |     |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| State Zip<br><b>AZ 85284</b>               |                                               | State                                            |             |            |           |              |                             |          |          |          |    |    |    |    |                                                                                                                                                                                               |    |     |     |     |     |                                                                                                                                                                         |     |     |     |     |     |     |     |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Contact:<br><b>Burd Wellington</b> |                                               | Project #                                        |             |            |           |              |                             |          |          |          |    |    |    |    |                                                                                                                                                                                               |    |     |     |     |     |                                                                                                                                                                         |     |     |     |     |     |     |     |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phone #<br><b>480-477-4911</b>             |                                               | EMAIL:<br><b>BWellington@westonsolutions.com</b> |             |            |           |              |                             |          |          |          |    |    |    |    |                                                                                                                                                                                               |    |     |     |     |     |                                                                                                                                                                         |     |     |     |     |     |     |     |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sampler's Name<br><b>Greg Rousseo</b>      |                                               | Client Purchase Order #                          |             |            |           |              |                             |          |          |          |    |    |    |    |                                                                                                                                                                                               |    |     |     |     |     |                                                                                                                                                                         |     |     |     |     |     |     |     |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Accutest Sample ID                         | Sample ID / Field Point / Point of Collection | Date                                             | Time        | Sampled by | Matrix    | # of bottles | Number of preserved Bottles |          |          |          |    |    |    |    |                                                                                                                                                                                               |    | EDF | EDD | EDC | EDR | EDS                                                                                                                                                                     | EDT | EDU | EDV | EDW | EDX | EDY | EDZ |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                            |                                               |                                                  |             |            |           |              | ED                          | ND       | MD       | PD       | SD | TD | UD | VD | WD                                                                                                                                                                                            | XD |     |     |     |     |                                                                                                                                                                         |     |     |     |     |     |     |     | YD | ZD |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>1</b>                                   | <b>LB-MW1-052316</b>                          | <b>5/23/16</b>                                   | <b>1510</b> | <b>GR</b>  | <b>GW</b> | <b>4</b>     |                             | <b>2</b> | <b>1</b> | <b>1</b> |    |    |    |    |                                                                                                                                                                                               |    |     |     |     |     |                                                                                                                                                                         |     |     |     |     |     |     |     |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <b>2</b>                                   | <b>LB-MW2-052316</b>                          | <b>5/23/16</b>                                   | <b>1615</b> | <b>GR</b>  | <b>GW</b> | <b>4</b>     |                             | <b>2</b> | <b>1</b> | <b>1</b> |    |    |    |    |                                                                                                                                                                                               |    |     |     |     |     |                                                                                                                                                                         |     |     |     |     |     |     |     |    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Turnaround Time (Business days):  
 10 Day  
 5 Day  
 3 Day  
 2 Day  
 1 Day  
 Same Day

Approved By / Date: \_\_\_\_\_

Data Deliverable Information:  
 Commercial "A" - Results only  
 Commercial "B" - Results with QC summaries  
 Commercial "B+" - Results, QC, and chromatograms  
 FULLY - Level 4 data package  
 EDF for Geotracuer  EDF Format  
 Provide EDF Global ID  
 Provide EDF Logcode: \_\_\_\_\_

Emergency TIA data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery.

|                                         |                              |                              |                                   |                                  |                                   |                                     |                                   |
|-----------------------------------------|------------------------------|------------------------------|-----------------------------------|----------------------------------|-----------------------------------|-------------------------------------|-----------------------------------|
| Relinquished By:<br><b>Greg Rousseo</b> | Date Time:<br><b>5/24/16</b> | Received By:<br><b>FEDEX</b> | Date Time:<br><b>5/25/16 0915</b> | Relinquished By:<br><b>FEDEX</b> | Date Time:<br><b>5/25/16 0915</b> | Received By:<br><b>Greg Rousseo</b> | Date Time:<br><b>5/25/16 1700</b> |
| Relinquished By:                        | Date Time:                   | Received By:                 | Date Time:                        | Relinquished By:                 | Date Time:                        | Received By:                        | Date Time:                        |

Custody Seal # **NONE**  
 Appropriate Bottle / Pres. Y / N  
 Labels match Coc? Y / N  
 Headspace Y / N  
 On Ice Y / N  
 Cooler Temp: **4.25.2**

4.1  
4



PHOENIX

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131  
(408) 588-0200 FAX: (408) 588-0201

8085 3902 4861

2 of 5 AZ 5/25

|                   |                        |
|-------------------|------------------------|
| FED-EX Tracking # | Bottle Order Control # |
| Accutest Quote #  | Accutest NC Job #: C   |
|                   | C45945<br>C45940       |

|                                    |                                               |                                           |      |                    |        |                             |    |      |      |        |        |          |      |           |          |                                                                                                                                                                               |  |              |   |   |   |   |   |   |  |
|------------------------------------|-----------------------------------------------|-------------------------------------------|------|--------------------|--------|-----------------------------|----|------|------|--------|--------|----------|------|-----------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|---|---|---|---|---|---|--|
| Client / Reporting Information     |                                               | Project Information                       |      | Requested Analysis |        |                             |    |      |      |        |        |          |      |           |          | Matrix Codes                                                                                                                                                                  |  |              |   |   |   |   |   |   |  |
| Company Name<br>Weston Solutions   |                                               | Project Name<br>LA BAJADA                 |      |                    |        |                             |    |      |      |        |        |          |      |           |          | WW - Wastewater<br>GW - Ground Water<br>SW - Surface Water<br>SO - Soil<br>GI - Oil<br>WP - Wipe<br>LIQ - Non-aqueous Liquid<br>AIR<br>DW - Drinking Water (Perchlorate Only) |  |              |   |   |   |   |   |   |  |
| Address<br>900 W. Elliot Road #101 |                                               | Street                                    |      |                    |        |                             |    |      |      |        |        |          |      |           |          |                                                                                                                                                                               |  |              |   |   |   |   |   |   |  |
| City<br>Tempe AZ 85284             |                                               | City State                                |      |                    |        |                             |    |      |      |        |        |          |      |           |          |                                                                                                                                                                               |  |              |   |   |   |   |   |   |  |
| Project Contact<br>Barb Wettington |                                               | Project #                                 |      |                    |        |                             |    |      |      |        |        |          |      |           |          |                                                                                                                                                                               |  |              |   |   |   |   |   |   |  |
| Phone #<br>480-477-                |                                               | EMAIL<br>b.wettington@westonsolutions.com |      |                    |        |                             |    |      |      |        |        |          |      |           |          |                                                                                                                                                                               |  |              |   |   |   |   |   |   |  |
| Sampler's Name<br>Greg Roussos     |                                               | Client Purchase Order #                   |      |                    |        |                             |    |      |      |        |        |          |      |           |          |                                                                                                                                                                               |  |              |   |   |   |   |   |   |  |
| Accutest Sample ID                 | Sample ID / Field Point / Point of Collection | Collection                                |      |                    |        | Number of preserved Bottles |    |      |      |        |        |          |      |           |          |                                                                                                                                                                               |  | LAB USE ONLY |   |   |   |   |   |   |  |
|                                    |                                               | Date                                      | Time | Sampled by         | Matrix | # of bottles                | VE | ZINC | LEAD | COPPER | NICKEL | CHROMIUM | IRON | MANGANESE | AMMONIUM | SILICA                                                                                                                                                                        |  |              |   |   |   |   |   |   |  |
| 3                                  | LB-SW1-052316                                 | 5/23/16                                   | 1109 | GR                 | SW     | 4                           |    |      |      |        |        |          |      |           |          |                                                                                                                                                                               |  | X            | X | X | X | X | X | X |  |
| 4                                  | LB-SW2-052316                                 | 5/23/16                                   | 1300 | GR                 | SW     | 4                           |    |      |      |        |        |          |      |           |          |                                                                                                                                                                               |  | X            | X | X | X | X | X | X |  |

RADIUM (226/228)  
 DISSOLVED METALS  
 TDS  
 TOTAL ALKALINITY  
 BORON  
 CHLORIDE / SULFATE  
 NITRATE + NITRITE

|                                                                                                                                                                                                              |                     |                                                                                                                                                                                                                                                                                                                                                                                                         |                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Turnaround Time (Business days)                                                                                                                                                                              | Approved By / Date: | Data Deliverable Information                                                                                                                                                                                                                                                                                                                                                                            | Comments / Remarks |
| <input type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |                     | <input type="checkbox"/> Commercial "A" - Results only<br><input type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B+" - Results, QC, and chromatograms<br><input type="checkbox"/> FULLT - Level 4 data package<br><input type="checkbox"/> EDF for Geotracker <input type="checkbox"/> EDF Format<br>Provide EDF Global ID<br>Provide EDF Logcode: |                    |

|                                                                                                          |                    |                    |                        |                                  |                          |              |                         |
|----------------------------------------------------------------------------------------------------------|--------------------|--------------------|------------------------|----------------------------------|--------------------------|--------------|-------------------------|
| Emergency TIA data available VIA Lablink                                                                 |                    |                    |                        |                                  |                          |              |                         |
| Sample Custody must be documented below each time samples change possession, including courier delivery. |                    |                    |                        |                                  |                          |              |                         |
| Relinquished by: [Signature]                                                                             | Date Time: 5/24/16 | Received By: FEDEX | Relinquished By: FEDEX | Date Time: 5/25/16 0915          | Received By: [Signature] |              |                         |
| Relinquished by:                                                                                         | Date Time: 1700    | Received By:       | Relinquished By:       | Date Time:                       | Received By:             |              |                         |
| Relinquished by:                                                                                         | Date Time:         | Received By:       | Custody Seal #         | Appropriate Bottle / Pres. Y / N | Headspace Y / N          | On Ice Y / N | Labels match Coc? Y / N |
| 5                                                                                                        |                    |                    | NONE                   |                                  |                          |              |                         |

AZ  
 C45945  
 157



**PHOENIX**

**CHAIN OF CUSTODY**

**ACCUTEST**  
LABORATORIES

2105 Lundy Ave, San Jose, CA 95131  
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking # 8085 3902 4850  
Bottle Order Control # 39#5  
Accutest Quote # C45945  
Accutest NC Job #: C 045949  
A23/25

| Client / Reporting Information                                                                                                                                                                               |                                               | Project Information                                                                                      |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       | Requested Analysis                                                                                                                                                                       |       |                 |       |                          |       | Matrix Codes                                                                                                                                                                           |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------|------|--------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------------------|-------|--------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------|-------|--------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------|--|--------------------------|--|------------------------------|--|------------------------|--|--------------------------|--|------------------------------|--|------------------------|--|--------------------------|--|--|
| Company Name: <b>Weston solutions</b>                                                                                                                                                                        |                                               | Project Name: <b>LA SHADA</b>                                                                            |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       | Dissolved Metals<br>200.7 / 200.8<br>LA 226 + LA 228<br>TDS<br>Nitrate + Nitrite / TRW<br>Chloride / Sulfate<br>P-P, A-K, Carbo-nic / Bicarbonate / Hydroxide<br>Nitrate + Nitrite / TRW |       |                 |       |                          |       | WW - Wastewater<br>GW - Ground Water<br>SW - Surface Water<br>SD - Soil<br>GC - Gas<br>WP - Wipe<br>LIQ - Non-aqueous Liquid<br>AIR - Air<br>DW - Drinking Water<br>(Perchlorate Only) |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
| Address: <b>960 W. Elliot Rd #101</b>                                                                                                                                                                        |                                               | Street:                                                                                                  |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       | <b>LAB USE ONLY</b>                                                                                                                                                                    |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
| City: <b>Tempe</b> State: <b>AZ</b> Zip: <b>85284</b>                                                                                                                                                        |                                               | City: State:                                                                                             |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
| Project Contact: <b>Barb Wettington</b>                                                                                                                                                                      |                                               | Project #:                                                                                               |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
| Phone # <b>(480) 477-4911</b>                                                                                                                                                                                |                                               | EMAIL: <b>B.Wettington@westonsolutions.com</b>                                                           |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
| Sampler's Name: <b>Greg Rousses</b>                                                                                                                                                                          |                                               | Client Purchase Order #:                                                                                 |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
| Accutest Sample ID                                                                                                                                                                                           | Sample ID / Field Point / Point of Collection | Collection                                                                                               |      |                          |        | Number of preserved Bottles                                                                                                                                                                                                                                                                                                                                                                                           |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               | Date                                                                                                     | Time | Sampled by               | Matrix | # of bottles                                                                                                                                                                                                                                                                                                                                                                                                          | TE | MSA                     | MSA-2 | MSA-3                    | MSA-4 | MSA-5                                                                                                                                                                                    | MSA-6 | MSA-7           | MSA-8 |                          | MSA-9 | MSA-10                                                                                                                                                                                 | MSA-11 | MSA-12                 |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
| 5<br>6                                                                                                                                                                                                       | LB-MWS-052416                                 | 5/24/16                                                                                                  | 1330 |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              | LB-MWT-052416                                 | 5/24/16                                                                                                  | 1400 |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
| Turnaround Time (Business days)                                                                                                                                                                              |                                               | Approved By / Date:                                                                                      |      |                          |        | Data Deliverable Information                                                                                                                                                                                                                                                                                                                                                                                          |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       | Comments / Remarks       |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
| <input type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |                                               |                                                                                                          |      |                          |        | <input type="checkbox"/> Commercial "A" - Results only<br><input type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B*" - Results, QC, and chromatograms<br><input type="checkbox"/> FULLT1 - Level 4 data package<br><input type="checkbox"/> EDF for GoTrackers <input type="checkbox"/> EDD Format<br>Provide EDF Global ID: _____<br>Provide EDF Logcode: _____ |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
| Emergency TIA data available VIA Lablink                                                                                                                                                                     |                                               | Sample Custody must be documented below each time samples change possession, including courier delivery. |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
| Relinquished by Sampler:                                                                                                                                                                                     |                                               | Date Time: 5/24/16                                                                                       |      | Received By: [Signature] |        | Relinquished By: [Signature]                                                                                                                                                                                                                                                                                                                                                                                          |    | Date Time: 5/25/16 0915 |       | Received By: [Signature] |       | Relinquished By: [Signature]                                                                                                                                                             |       | Date Time: 1700 |       | Received By: [Signature] |       | Relinquished By: [Signature]                                                                                                                                                           |        | Date Time: [Signature] |  | Received By: [Signature] |  | Relinquished By: [Signature] |  | Date Time: [Signature] |  | Received By: [Signature] |  | Relinquished By: [Signature] |  | Date Time: [Signature] |  | Received By: [Signature] |  |  |
| Relinquished by:                                                                                                                                                                                             |                                               | Date Time:                                                                                               |      | Received By:             |        | Relinquished By:                                                                                                                                                                                                                                                                                                                                                                                                      |    | Date Time:              |       | Received By:             |       | Relinquished By:                                                                                                                                                                         |       | Date Time:      |       | Received By:             |       | Relinquished By:                                                                                                                                                                       |        | Date Time:             |  | Received By:             |  | Relinquished By:             |  | Date Time:             |  | Received By:             |  | Relinquished By:             |  | Date Time:             |  | Received By:             |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |
|                                                                                                                                                                                                              |                                               |                                                                                                          |      |                          |        |                                                                                                                                                                                                                                                                                                                                                                                                                       |    |                         |       |                          |       |                                                                                                                                                                                          |       |                 |       |                          |       |                                                                                                                                                                                        |        |                        |  |                          |  |                              |  |                        |  |                          |  |                              |  |                        |  |                          |  |  |

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PHOENIX

CHAIN OF CUSTODY

8085 3902 4894 40FS AZ 5125



2105 Lundy Ave, San Jose, CA 95131  
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking #  
Accutest Quota #  
Bottle Order Control # 245945  
Accutest NC Job # C 045945

| Client / Reporting Information                                                                                                                                                                               |               | Project Information                                                                                      |              | Requested Analysis                                                                                                                                                                                                                                                                                                                                                                                       |              |                    |    |                              |      |                    |      |                                  |      |                    |      |                              |      |                                           | Matrix Codes            |                          |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------|----|------------------------------|------|--------------------|------|----------------------------------|------|--------------------|------|------------------------------|------|-------------------------------------------|-------------------------|--------------------------|--|
| Company Name<br>Weston Solutions                                                                                                                                                                             |               | Project Name:                                                                                            |              | Dissolved Metals<br>RA 226 of RA 228<br>TDS<br>Total Nitrogen (Component)<br>Bicarbonate / Hydroxide<br>Chloride / Sulfate<br>Nitrate + Nitrite + Nitrogen                                                                                                                                                                                                                                               |              |                    |    |                              |      |                    |      |                                  |      |                    |      |                              |      |                                           | WW- Wastewater          |                          |  |
| Address<br>960 W. Elliot Rd. #101                                                                                                                                                                            |               | Street                                                                                                   |              |                                                                                                                                                                                                                                                                                                                                                                                                          |              |                    |    |                              |      |                    |      |                                  |      |                    |      |                              |      |                                           | GW- Ground Water        |                          |  |
| City State Zip<br>Tempe AZ 85284                                                                                                                                                                             |               | City State                                                                                               |              |                                                                                                                                                                                                                                                                                                                                                                                                          |              |                    |    |                              |      |                    |      |                                  |      |                    |      |                              |      |                                           | SW- Surface Water       |                          |  |
| Project Contact<br>Barb Wethington                                                                                                                                                                           |               | Project #                                                                                                |              |                                                                                                                                                                                                                                                                                                                                                                                                          |              |                    |    |                              |      |                    |      |                                  |      |                    |      |                              |      |                                           | SO- Sed                 |                          |  |
| Phone #<br>(480) 477-4911                                                                                                                                                                                    |               | EMAIL:<br>b.wethington@westonsolutions.com                                                               |              |                                                                                                                                                                                                                                                                                                                                                                                                          |              |                    |    |                              |      |                    |      |                                  |      |                    |      |                              |      |                                           | GI- GI                  |                          |  |
| Sampler's Name<br>Greg Roussos                                                                                                                                                                               |               | Client Purchase Order #                                                                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                          |              |                    |    |                              |      |                    |      |                                  |      |                    |      |                              |      |                                           | WP- Wipe                |                          |  |
| Accutest Sample ID                                                                                                                                                                                           |               | Collection                                                                                               |              | Number of preserved Bottles                                                                                                                                                                                                                                                                                                                                                                              |              |                    |    |                              |      |                    |      |                                  |      |                    |      |                              |      |                                           | LRB- Non-aqueous Liquid |                          |  |
| 7                                                                                                                                                                                                            | LB-MW7-052416 | Date<br>5/24/16                                                                                          | Time<br>1133 | Sampled by<br>GR                                                                                                                                                                                                                                                                                                                                                                                         | Matrix<br>GW | # of bottles<br>12 | IC | SOB                          | INDO | ASO                | ASO2 | ASO3                             | ASO4 | ASO5               | ASO6 | ASO7                         | ASO8 | ASO9                                      | AIR                     |                          |  |
| Turnaround Time (Business days)                                                                                                                                                                              |               | Approved By / Date:                                                                                      |              | Data Deliverable Information                                                                                                                                                                                                                                                                                                                                                                             |              |                    |    |                              |      |                    |      |                                  |      |                    |      |                              |      |                                           | LAB USE ONLY            |                          |  |
| <input type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |               |                                                                                                          |              | <input type="checkbox"/> Commercial "A" - Results only<br><input type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B+" - Results, QC, and chromatograms<br><input type="checkbox"/> FULL1 - Level 4 data package<br><input type="checkbox"/> EDF for Geotracker <input type="checkbox"/> EDF Format<br>Provide EDF Global ID:<br>Provide EDF Logcode: |              |                    |    |                              |      |                    |      |                                  |      |                    |      |                              |      |                                           |                         |                          |  |
| Emergency TIA data available VIA Lablink                                                                                                                                                                     |               | Sample Custody must be documented below each time samples change possession, including courier delivery. |              |                                                                                                                                                                                                                                                                                                                                                                                                          |              |                    |    |                              |      |                    |      |                                  |      |                    |      |                              |      |                                           |                         |                          |  |
| Relinquished by: [Signature]                                                                                                                                                                                 |               | Date Time: 5/24/16                                                                                       |              | Received By: [Signature]                                                                                                                                                                                                                                                                                                                                                                                 |              | Date Time: 5/24/16 |    | Relinquished by: [Signature] |      | Date Time: 5/24/16 |      | Received By: [Signature]         |      | Date Time: 5/24/16 |      | Relinquished by: [Signature] |      | Date Time: 5/24/16                        |                         | Received By: [Signature] |  |
| 1                                                                                                                                                                                                            |               | 2                                                                                                        |              | 3                                                                                                                                                                                                                                                                                                                                                                                                        |              | 4                  |    | 5                            |      | Custody Seal #     |      | Appropriate Bottle / Pres. Y / N |      | Headspace Y / N    |      | On Ice Y / N                 |      | Separate Receiving Check List used: Y / N |                         | Custody Seal #           |  |
|                                                                                                                                                                                                              |               |                                                                                                          |              | NOWG                                                                                                                                                                                                                                                                                                                                                                                                     |              |                    |    |                              |      |                    |      |                                  |      |                    |      |                              |      |                                           |                         | 2.7/3.75                 |  |

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# PHOENIX CHAIN OF CUSTODY

ACCUTEST LABORATORIES  
 2105 Lundy Ave, San Jose, CA 95131  
 (408) 588-0200 FAX: (408) 588-0201

8085 3902 4872

5975  
 AZ 5/25

|                   |                        |
|-------------------|------------------------|
| FED-EX Tracking # | Bottle Order Control # |
| Accutest Quote #  | Accutest NC Job #: C   |
|                   | 045945<br>C45949       |

**Client / Reporting Information**

Company Name: Weston Solutions

Address: 970 W. Elliot Rd #101

City: Tempe State: AZ Zip: 85284

Project Contact: Barb Wethington

Phone #: 480-477-4911

Sampler's Name: Greg Roussos

**Project Information**

Project Name: LA BAJADA

Street: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Project #: \_\_\_\_\_

EMAIL: D.wethington@westonsolutions.com

Client Purchase Order #: \_\_\_\_\_

| Accutest Sample ID | Sample ID / Field Point / Point of Collection | Collection |      | Matrix | # of bottles | Number of preserved Bottles |      |     |      |      |       |      |       |  | DUSP# | LAB USE ONLY |   |   |   |   |   |   |  |  |
|--------------------|-----------------------------------------------|------------|------|--------|--------------|-----------------------------|------|-----|------|------|-------|------|-------|--|-------|--------------|---|---|---|---|---|---|--|--|
|                    |                                               | Date       | Time |        |              | SP                          | PROP | MOD | CCO# | NONL | INORG | MICH | OTHER |  |       |              |   |   |   |   |   |   |  |  |
| 81                 | LB-MW3-0524116                                | 5/24/16    | 0813 | GR     | GW           | 4                           |      |     |      |      | 2     | 1    | 1     |  |       | X            | X | X | X | X | X | X |  |  |
| 92                 | LB-MW3-0524116-D                              | 5/24/16    | 0813 | GR     | GW           | 4                           |      |     |      |      | 2     | 1    | 1     |  |       | X            | X | X | X | X | X | X |  |  |

Requested Analysis:

Disinfectant

LA 220 & LA 228

TPS

TOTAL AIX / GYCO / ATRK

Bicarbonate / Hypochlorite

Chloride / Sulfide

Nitrate + Nitrite / TEN

Matrix Codes

- WW- Wastewater
- GW- Ground Water
- SW- Surface Water
- SO- Soil
- CO- Oil
- WP- Waste
- LTD- Non-aqueous Liquid
- AIR
- DW- Drinking Water (Perchlorate Only)

**Turnaround Time (Business days)**

- 10 Day
- 5 Day
- 3 Day
- 2 Day
- 1 Day
- Same Day

Approved By / Date: \_\_\_\_\_

**Data Deliverable Information**

Commercial "A" - Results only

Commercial "B" - Results with QC summaries

Commercial "B\*" - Results, QC, and chromatograms

FULLT1 - Level 4 data package

EDF for Geotracker  EDF Format \_\_\_\_\_

Provide EDF Global ID: \_\_\_\_\_

Provide EDF Logcode: \_\_\_\_\_

Comments / Remarks

Emergency TIA data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery.

|                                     |                           |                           |                               |                                           |                                              |
|-------------------------------------|---------------------------|---------------------------|-------------------------------|-------------------------------------------|----------------------------------------------|
| Relinquished by: <u>[Signature]</u> | Date/Time: <u>5/24/16</u> | Received By: <u>Fedex</u> | Relinquished By: <u>Fedex</u> | Date/Time: <u>5/25/16 09:15</u>           | Received By: <u>Ali Zengham</u>              |
| Relinquished by: _____              | Date/Time: <u>1700</u>    | Received By: _____        | Relinquished By: _____        | Date/Time: _____                          | Received By: _____                           |
| Relinquished by: _____              | Date/Time: _____          | Received By: _____        | Custody Seal # <u>NONE</u>    | Appropriate Bottle / Pres. Y/N            | Headspace Y/N                                |
| _____                               | _____                     | _____                     | Labels match Coc? Y / N       | Separate Receiving Check List used: Y / N | On Ice <input checked="" type="checkbox"/> N |
| _____                               | _____                     | _____                     | Cooler Temp. <u>5.1/6.1</u>   |                                           |                                              |

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## SGS Accutest Sample Receipt Summary

**Job Number:** C45945

**Client:** WESTON SOLUTIONS

**Project:** LA BAJADA

**Date / Time Received:** 5/25/2016 9:15:00 AM

**Delivery Method:** FedEx

**Airbill #s:** 808539024883

**Cooler Temps (Initial/Adjusted):** #1: (4.2/5.2); #2: (4.2/5.2); #3: (3.5/4.5); #4: (2.9/3.9); #5: (2.7/3.7); #6: (5.1/6.1);

**Cooler Security**

Y or N

Y or N

- |                           |                          |                                     |                       |                                     |                          |
|---------------------------|--------------------------|-------------------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3. COC Present:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input type="checkbox"/> | <input type="checkbox"/>            | 4. SmpI Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Cooler Temperature**

Y or N

- |                            |                                     |                          |
|----------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Therm ID:               | IR3; IR3;                           |                          |
| 3. Cooler media:           | Ice (Bag)                           |                          |
| 4. No. Coolers:            | 1                                   |                          |

**Quality Control Preservation**

Y or N N/A

- |                                 |                                     |                          |                                     |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC:    | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |                                     |
| 4. VOCs headspace free:         | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**Sample Integrity - Documentation**

Y or N

- |                                        |                                     |                          |
|----------------------------------------|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Sample Integrity - Condition**

Y or N

- |                                  |                                     |                          |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample:          | <u>Intact</u>                       |                          |

**Sample Integrity - Instructions**

Y or N N/A

- |                                           |                                     |                                     |                                     |
|-------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Comments

**C45945: Chain of Custody**

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**Metals Analysis**

**QC Data Summaries**

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Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: C45945  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP11420  
Matrix Type: AQUEOUS

Methods: EPA 200.7  
Units: ug/l

Prep Date: 06/03/16

| Metal      | RL    | IDL | MDL | MB<br>raw | final  |
|------------|-------|-----|-----|-----------|--------|
| Aluminum   | 200   | 14  | 27  | -9.8      | <200   |
| Antimony   | 6.0   | 1.2 | 1.2 | -1.0      | <6.0   |
| Arsenic    | 10    | 1.6 | 2.5 | 3.4       | <10    |
| Barium     | 200   | .2  | .5  | 0.10      | <200   |
| Beryllium  | 5.0   | .2  | .6  | 0.0       | <5.0   |
| Boron      | 100   | 1.8 | 3.2 | -0.80     | <100   |
| Cadmium    | 2.0   | .2  | .3  | -0.10     | <2.0   |
| Calcium    | 5000  | 28  | 69  | -32       | <5000  |
| Chromium   | 10    | .4  | .6  | -0.10     | <10    |
| Cobalt     | 5.0   | .3  | .4  | -0.10     | <5.0   |
| Copper     | 10    | 1.2 | 1.8 | 0.50      | <10    |
| Iron       | 200   | 5.3 | 11  |           |        |
| Lead       | 10    | 1   | 1.7 |           |        |
| Magnesium  | 5000  | 16  | 23  | 8.5       | <5000  |
| Manganese  | 15    | .2  | .2  | 0.0       | <15    |
| Molybdenum | 20    | .5  | .6  | -0.80     | <20    |
| Nickel     | 5.0   | .4  | .6  | 0.10      | <5.0   |
| Potassium  | 10000 | 35  | 35  | -260      | <10000 |
| Selenium   | 10    | 1.7 | 3.3 |           |        |
| Silicon    | 100   | 2.4 | 2.4 |           |        |
| Silver     | 5.0   | .5  | 1.5 | -0.30     | <5.0   |
| Sodium     | 10000 | 11  | 25  | -200      | <10000 |
| Strontium  | 10    | .1  | .2  | -0.40     | <10    |
| Thallium   | 10    | 1.7 | 4.8 | 1.4       | <10    |
| Tin        | 50    | .8  | 1.3 |           |        |
| Titanium   | 10    | .8  | .8  |           |        |
| Vanadium   | 10    | .6  | .6  | -0.30     | <10    |
| Zinc       | 20    | .5  | 3.1 | 2.0       | <20    |

Associated samples MP11420: C45945-1F, C45945-2F, C45945-3F, C45945-4F, C45945-5F, C45945-6F, C45945-7F, C45945-8F, C45945-9F

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C45945  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP11420  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 06/03/16

| Metal      | C45945-7F<br>Original MS |       | Spike/lot<br>MPIR5 | % Rec | QC<br>Limits |
|------------|--------------------------|-------|--------------------|-------|--------------|
| Aluminum   | 0.0                      | 12300 | 12500              | 98.4  | 70-130       |
| Antimony   | 0.0                      | 515   | 500                | 103.0 | 70-130       |
| Arsenic    | 10.4                     | 532   | 500                | 104.3 | 70-130       |
| Barium     | 44.3                     | 549   | 500                | 100.9 | 70-130       |
| Beryllium  | 0.0                      | 501   | 500                | 100.2 | 70-130       |
| Boron      | 187                      | 709   | 500                | 104.4 | 70-130       |
| Cadmium    | 0.30                     | 522   | 500                | 104.3 | 70-130       |
| Calcium    | 69700                    | 80200 | 12500              | 84.0  | 70-130       |
| Chromium   | 0.0                      | 503   | 500                | 100.6 | 70-130       |
| Cobalt     | 0.0                      | 497   | 500                | 99.4  | 70-130       |
| Copper     | 3.3                      | 509   | 500                | 101.1 | 70-130       |
| Iron       |                          |       |                    |       |              |
| Lead       |                          |       |                    |       |              |
| Magnesium  | 15600                    | 27300 | 12500              | 93.6  | 70-130       |
| Manganese  | 1.4                      | 506   | 500                | 100.9 | 70-130       |
| Molybdenum | 4.4                      | 482   | 500                | 95.5  | 70-130       |
| Nickel     | 5.0                      | 498   | 500                | 98.6  | 70-130       |
| Potassium  | 5520                     | 10500 | 5000               | 98.9  | 70-130       |
| Selenium   |                          |       |                    |       |              |
| Silicon    | anr                      |       |                    |       |              |
| Silver     | 1.6                      | 500   | 500                | 99.7  | 70-130       |
| Sodium     | 84300                    | 96800 | 12500              | 100.0 | 70-130       |
| Strontium  | 544                      | 1040  | 500                | 99.2  | -            |
| Thallium   | 2.6                      | 538   | 500                | 107.1 | 70-130       |
| Tin        | anr                      |       |                    |       |              |
| Titanium   |                          |       |                    |       |              |
| Vanadium   | 7.8                      | 507   | 500                | 99.8  | 70-130       |
| Zinc       | 3.4                      | 509   | 500                | 101.1 | 70-130       |

Associated samples MP11420: C45945-1F, C45945-2F, C45945-3F, C45945-4F, C45945-5F, C45945-6F, C45945-7F, C45945-8F, C45945-9F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

5.1.2  
 5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C45945  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP11420  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 06/03/16

| Metal      | C45945-7F<br>Original MSD | 12400 | SpikeLot<br>MPIR5 | % Rec | MSD<br>RPD | QC<br>Limit |
|------------|---------------------------|-------|-------------------|-------|------------|-------------|
| Aluminum   | 0.0                       | 12400 | 12500             | 99.2  | 0.8        | 20          |
| Antimony   | 0.0                       | 504   | 500               | 100.8 | 2.2        | 20          |
| Arsenic    | 10.4                      | 524   | 500               | 102.7 | 1.5        | 20          |
| Barium     | 44.3                      | 547   | 500               | 100.5 | 0.4        | 20          |
| Beryllium  | 0.0                       | 503   | 500               | 100.6 | 0.4        | 20          |
| Boron      | 187                       | 701   | 500               | 102.8 | 1.1        | 20          |
| Cadmium    | 0.30                      | 520   | 500               | 103.9 | 0.4        | 20          |
| Calcium    | 69700                     | 81600 | 12500             | 95.2  | 1.7        | 20          |
| Chromium   | 0.0                       | 502   | 500               | 100.4 | 0.2        | 20          |
| Cobalt     | 0.0                       | 494   | 500               | 98.8  | 0.6        | 20          |
| Copper     | 3.3                       | 507   | 500               | 100.7 | 0.4        | 20          |
| Iron       |                           |       |                   |       |            |             |
| Lead       |                           |       |                   |       |            |             |
| Magnesium  | 15600                     | 27900 | 12500             | 98.4  | 2.2        | 20          |
| Manganese  | 1.4                       | 506   | 500               | 100.9 | 0.0        | 20          |
| Molybdenum | 4.4                       | 481   | 500               | 95.3  | 0.2        | 20          |
| Nickel     | 5.0                       | 496   | 500               | 98.2  | 0.4        | 20          |
| Potassium  | 5520                      | 10700 | 5000              | 104.1 | 1.9        | 20          |
| Selenium   |                           |       |                   |       |            |             |
| Silicon    | anr                       |       |                   |       |            |             |
| Silver     | 1.6                       | 505   | 500               | 100.7 | 1.0        | 20          |
| Sodium     | 84300                     | 99200 | 12500             | 119.2 | 2.4        | 20          |
| Strontium  | 544                       | 1060  | 500               | 103.2 | 1.9        |             |
| Thallium   | 2.6                       | 538   | 500               | 107.1 | 0.0        | 20          |
| Tin        | anr                       |       |                   |       |            |             |
| Titanium   |                           |       |                   |       |            |             |
| Vanadium   | 7.8                       | 505   | 500               | 99.4  | 0.4        | 20          |
| Zinc       | 3.4                       | 508   | 500               | 100.9 | 0.2        | 20          |

Associated samples MP11420: C45945-1F, C45945-2F, C45945-3F, C45945-4F, C45945-5F, C45945-6F, C45945-7F, C45945-8F, C45945-9F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C45945  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP11420  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 06/03/16

| Metal      | BSP Result | Spikelot MPIR5 | % Rec | QC Limits |
|------------|------------|----------------|-------|-----------|
| Aluminum   | 11400      | 12500          | 91.2  | 85-115    |
| Antimony   | 447        | 500            | 89.4  | 85-115    |
| Arsenic    | 480        | 500            | 96.0  | 85-115    |
| Barium     | 469        | 500            | 93.8  | 85-115    |
| Beryllium  | 469        | 500            | 93.8  | 85-115    |
| Boron      | 501        | 500            | 100.2 | 85-115    |
| Cadmium    | 495        | 500            | 99.0  | 85-115    |
| Calcium    | 11100      | 12500          | 88.8  | 85-115    |
| Chromium   | 482        | 500            | 96.4  | 85-115    |
| Cobalt     | 484        | 500            | 96.8  | 85-115    |
| Copper     | 466        | 500            | 93.2  | 85-115    |
| Iron       |            |                |       |           |
| Lead       |            |                |       |           |
| Magnesium  | 11200      | 12500          | 89.6  | 85-115    |
| Manganese  | 486        | 500            | 97.2  | 85-115    |
| Molybdenum | 438        | 500            | 87.6  | 85-115    |
| Nickel     | 461        | 500            | 92.2  | 85-115    |
| Potassium  | 4460       | 5000           | 89.2  | 85-115    |
| Selenium   |            |                |       |           |
| Silicon    | anr        |                |       |           |
| Silver     | 432        | 500            | 86.4  | 85-115    |
| Sodium     | 11700      | 12500          | 93.6  | 85-115    |
| Strontium  | 467        | 500            | 93.4  | -         |
| Thallium   | 530        | 500            | 106.0 | 85-115    |
| Tin        | anr        |                |       |           |
| Titanium   |            |                |       |           |
| Vanadium   | 469        | 500            | 93.8  | 85-115    |
| Zinc       | 501        | 500            | 100.2 | 85-115    |

Associated samples MP11420: C45945-1F, C45945-2F, C45945-3F, C45945-4F, C45945-5F, C45945-6F, C45945-7F, C45945-8F, C45945-9F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: C45945  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP11420  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 06/03/16

| Metal      | C45945-7F |         | %DIF     | QC Limits |
|------------|-----------|---------|----------|-----------|
|            | Original  | SDL 1:5 |          |           |
| Aluminum   | 0.00      | 0.00    | NC       | 0-10      |
| Antimony   | 0.00      | 0.00    | NC       | 0-10      |
| Arsenic    | 10.4      | 18.3    | 76.0 (a) | 0-10      |
| Barium     | 44.3      | 46.9    | 5.9      | 0-10      |
| Beryllium  | 0.00      | 0.00    | NC       | 0-10      |
| Boron      | 187       | 181     | 3.4      | 0-10      |
| Cadmium    | 0.300     | 0.00    | 100.0(a) | 0-10      |
| Calcium    | 69700     | 72600   | 4.1      | 0-10      |
| Chromium   | 0.00      | 0.00    | NC       | 0-10      |
| Cobalt     | 0.00      | 0.00    | NC       | 0-10      |
| Copper     | 3.30      | 0.00    | 100.0(a) | 0-10      |
| Iron       |           |         |          |           |
| Lead       |           |         |          |           |
| Magnesium  | 15600     | 16000   | 2.6      | 0-10      |
| Manganese  | 1.40      | 0.00    | 100.0(a) | 0-10      |
| Molybdenum | 4.40      | 3.00    | 31.8 (a) | 0-10      |
| Nickel     | 5.00      | 5.10    | 2.0      | 0-10      |
| Potassium  | 5520      | 5260    | 4.9      | 0-10      |
| Selenium   |           |         |          |           |
| Silicon    | anr       |         |          |           |
| Silver     | 1.60      | 0.00    | 100.0(a) | 0-10      |
| Sodium     | 84300     | 84200   | 0.1      | 0-10      |
| Strontium  | 544       | 559     | 2.8      | 0-        |
| Thallium   | 2.60      | 0.00    | 100.0(a) | 0-10      |
| Tin        | anr       |         |          |           |
| Titanium   |           |         |          |           |
| Vanadium   | 7.80      | 7.60    | 2.6      | 0-10      |
| Zinc       | 3.40      | 5.30    | 55.9 (a) | 0-10      |

Associated samples MP11420: C45945-1F, C45945-2F, C45945-3F, C45945-4F, C45945-5F, C45945-6F, C45945-7F, C45945-8F, C45945-9F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested  
 (a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: C45945  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP11421  
Matrix Type: AQUEOUS

Methods: EPA 200.8  
Units: ug/l

Prep Date: 06/03/16

| Metal      | RL   | IDL   | MDL  | MB<br>raw | final |
|------------|------|-------|------|-----------|-------|
| Aluminum   | 50   | 6.7   | 13   |           |       |
| Antimony   | 0.50 | .057  | .11  |           |       |
| Arsenic    | 1.0  | .052  | .081 |           |       |
| Barium     | 1.0  | .041  | .059 |           |       |
| Beryllium  | 0.50 | .044  | .044 |           |       |
| Boron      | 5.0  | .25   | 2    |           |       |
| Cadmium    | 0.50 | .032  | .043 |           |       |
| Calcium    | 500  | 11    | 99   |           |       |
| Chromium   | 4.0  | .028  | .11  |           |       |
| Cobalt     | 0.50 | .045  | .045 |           |       |
| Copper     | 4.0  | .13   | 1.9  |           |       |
| Iron       | 50   | 1.4   | 11   |           |       |
| Lead       | 0.50 | .024  | .048 |           |       |
| Magnesium  | 500  | 1.6   | 28   |           |       |
| Manganese  | 1.0  | .14   | .14  |           |       |
| Molybdenum | 1.0  | .24   | .24  |           |       |
| Nickel     | 4.0  | .085  | .15  |           |       |
| Potassium  | 500  | 10    | 23   |           |       |
| Selenium   | 1.0  | .15   | .15  |           |       |
| Silver     | 2.0  | .011  | .11  |           |       |
| Sodium     | 500  | 5.7   | 25   |           |       |
| Strontium  | 5.0  | .082  | .21  |           |       |
| Thallium   | 0.50 | .031  | .093 |           |       |
| Tin        | 5.0  | .12   | .87  |           |       |
| Titanium   | 1.0  | .13   | .16  |           |       |
| Vanadium   | 4.0  | .51   | .52  |           |       |
| Uranium    | 1.0  | .0056 | .1   | 0.0076    | <1.0  |
| Zinc       | 4.0  | .68   | 1.7  |           |       |

Associated samples MP11421: C45945-1F, C45945-2F, C45945-3F, C45945-4F, C45945-5F, C45945-6F, C45945-7F, C45945-8F, C45945-9F

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C45945  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP11421  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 06/03/16

| Metal      | C45945-7F<br>Original MS | SpikeLot<br>MPIR5 | % Rec | QC<br>Limits |
|------------|--------------------------|-------------------|-------|--------------|
| Aluminum   |                          |                   |       |              |
| Antimony   |                          |                   |       |              |
| Arsenic    |                          |                   |       |              |
| Barium     |                          |                   |       |              |
| Beryllium  |                          |                   |       |              |
| Boron      |                          |                   |       |              |
| Cadmium    | anr                      |                   |       |              |
| Calcium    |                          |                   |       |              |
| Chromium   | anr                      |                   |       |              |
| Cobalt     |                          |                   |       |              |
| Copper     | anr                      |                   |       |              |
| Iron       |                          |                   |       |              |
| Lead       | anr                      |                   |       |              |
| Magnesium  |                          |                   |       |              |
| Manganese  |                          |                   |       |              |
| Molybdenum |                          |                   |       |              |
| Nickel     | anr                      |                   |       |              |
| Potassium  |                          |                   |       |              |
| Selenium   |                          |                   |       |              |
| Silver     | anr                      |                   |       |              |
| Sodium     |                          |                   |       |              |
| Strontium  |                          |                   |       |              |
| Thallium   |                          |                   |       |              |
| Tin        |                          |                   |       |              |
| Titanium   |                          |                   |       |              |
| Vanadium   |                          |                   |       |              |
| Uranium    | 16.9                     | 548               | 500   | 106.2 70-130 |
| Zinc       | anr                      |                   |       |              |

Associated samples MP11421: C45945-1F, C45945-2F, C45945-3F, C45945-4F, C45945-5F, C45945-6F, C45945-7F, C45945-8F, C45945-9F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

5.2.2  
 5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C45945  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP11421  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 06/03/16

| Metal      | C45945-7F<br>Original MSD | SpikeLot<br>MPIR5 | % Rec | MSD<br>RPD | QC<br>Limit |    |
|------------|---------------------------|-------------------|-------|------------|-------------|----|
| Aluminum   |                           |                   |       |            |             |    |
| Antimony   |                           |                   |       |            |             |    |
| Arsenic    |                           |                   |       |            |             |    |
| Barium     |                           |                   |       |            |             |    |
| Beryllium  |                           |                   |       |            |             |    |
| Boron      |                           |                   |       |            |             |    |
| Cadmium    | anr                       |                   |       |            |             |    |
| Calcium    |                           |                   |       |            |             |    |
| Chromium   | anr                       |                   |       |            |             |    |
| Cobalt     |                           |                   |       |            |             |    |
| Copper     | anr                       |                   |       |            |             |    |
| Iron       |                           |                   |       |            |             |    |
| Lead       | anr                       |                   |       |            |             |    |
| Magnesium  |                           |                   |       |            |             |    |
| Manganese  |                           |                   |       |            |             |    |
| Molybdenum |                           |                   |       |            |             |    |
| Nickel     | anr                       |                   |       |            |             |    |
| Potassium  |                           |                   |       |            |             |    |
| Selenium   |                           |                   |       |            |             |    |
| Silver     | anr                       |                   |       |            |             |    |
| Sodium     |                           |                   |       |            |             |    |
| Strontium  |                           |                   |       |            |             |    |
| Thallium   |                           |                   |       |            |             |    |
| Tin        |                           |                   |       |            |             |    |
| Titanium   |                           |                   |       |            |             |    |
| Vanadium   |                           |                   |       |            |             |    |
| Uranium    | 16.9                      | 536               | 500   | 103.8      | 2.2         | 20 |
| Zinc       | anr                       |                   |       |            |             |    |

Associated samples MP11421: C45945-1F, C45945-2F, C45945-3F, C45945-4F, C45945-5F, C45945-6F, C45945-7F, C45945-8F, C45945-9F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

5.2.2  
 5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C45945  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP11421  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 06/03/16

| Metal      | C45945-9F<br>Original MS | SpikeLot<br>MPIR5 | % Rec | QC<br>Limits |
|------------|--------------------------|-------------------|-------|--------------|
| Aluminum   |                          |                   |       |              |
| Antimony   |                          |                   |       |              |
| Arsenic    |                          |                   |       |              |
| Barium     |                          |                   |       |              |
| Beryllium  |                          |                   |       |              |
| Boron      |                          |                   |       |              |
| Cadmium    | anr                      |                   |       |              |
| Calcium    |                          |                   |       |              |
| Chromium   | anr                      |                   |       |              |
| Cobalt     |                          |                   |       |              |
| Copper     | anr                      |                   |       |              |
| Iron       |                          |                   |       |              |
| Lead       | anr                      |                   |       |              |
| Magnesium  |                          |                   |       |              |
| Manganese  |                          |                   |       |              |
| Molybdenum |                          |                   |       |              |
| Nickel     | anr                      |                   |       |              |
| Potassium  |                          |                   |       |              |
| Selenium   |                          |                   |       |              |
| Silver     | anr                      |                   |       |              |
| Sodium     |                          |                   |       |              |
| Strontium  |                          |                   |       |              |
| Thallium   |                          |                   |       |              |
| Tin        |                          |                   |       |              |
| Titanium   |                          |                   |       |              |
| Vanadium   |                          |                   |       |              |
| Uranium    | 348                      | 873               | 500   | 105.0 70-130 |
| Zinc       | anr                      |                   |       |              |

Associated samples MP11421: C45945-1F, C45945-2F, C45945-3F, C45945-4F, C45945-5F, C45945-6F, C45945-7F, C45945-8F, C45945-9F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

5.2.2  
 5

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: C45945  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP11421  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 06/03/16

| Metal      | C45945-9F<br>Original MSD | SpikeLot<br>MPIR5 | % Rec | MSD<br>RPD | QC<br>Limit |    |
|------------|---------------------------|-------------------|-------|------------|-------------|----|
| Aluminum   |                           |                   |       |            |             |    |
| Antimony   |                           |                   |       |            |             |    |
| Arsenic    |                           |                   |       |            |             |    |
| Barium     |                           |                   |       |            |             |    |
| Beryllium  |                           |                   |       |            |             |    |
| Boron      |                           |                   |       |            |             |    |
| Cadmium    | anr                       |                   |       |            |             |    |
| Calcium    |                           |                   |       |            |             |    |
| Chromium   | anr                       |                   |       |            |             |    |
| Cobalt     |                           |                   |       |            |             |    |
| Copper     | anr                       |                   |       |            |             |    |
| Iron       |                           |                   |       |            |             |    |
| Lead       | anr                       |                   |       |            |             |    |
| Magnesium  |                           |                   |       |            |             |    |
| Manganese  |                           |                   |       |            |             |    |
| Molybdenum |                           |                   |       |            |             |    |
| Nickel     | anr                       |                   |       |            |             |    |
| Potassium  |                           |                   |       |            |             |    |
| Selenium   |                           |                   |       |            |             |    |
| Silver     | anr                       |                   |       |            |             |    |
| Sodium     |                           |                   |       |            |             |    |
| Strontium  |                           |                   |       |            |             |    |
| Thallium   |                           |                   |       |            |             |    |
| Tin        |                           |                   |       |            |             |    |
| Titanium   |                           |                   |       |            |             |    |
| Vanadium   |                           |                   |       |            |             |    |
| Uranium    | 348                       | 868               | 500   | 104.0      | 0.6         | 20 |
| Zinc       | anr                       |                   |       |            |             |    |

Associated samples MP11421: C45945-1F, C45945-2F, C45945-3F, C45945-4F, C45945-5F, C45945-6F, C45945-7F, C45945-8F, C45945-9F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

5.2.2  
 5

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: C45945  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP11421  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 06/03/16

| Metal      | BSP<br>Result | Spikelot<br>MPIR5 | % Rec | QC<br>Limits |
|------------|---------------|-------------------|-------|--------------|
| Aluminum   |               |                   |       |              |
| Antimony   |               |                   |       |              |
| Arsenic    |               |                   |       |              |
| Barium     |               |                   |       |              |
| Beryllium  |               |                   |       |              |
| Boron      |               |                   |       |              |
| Cadmium    | anr           |                   |       |              |
| Calcium    |               |                   |       |              |
| Chromium   | anr           |                   |       |              |
| Cobalt     |               |                   |       |              |
| Copper     | anr           |                   |       |              |
| Iron       |               |                   |       |              |
| Lead       | anr           |                   |       |              |
| Magnesium  |               |                   |       |              |
| Manganese  |               |                   |       |              |
| Molybdenum |               |                   |       |              |
| Nickel     | anr           |                   |       |              |
| Potassium  |               |                   |       |              |
| Selenium   |               |                   |       |              |
| Silver     | anr           |                   |       |              |
| Sodium     |               |                   |       |              |
| Strontium  |               |                   |       |              |
| Thallium   |               |                   |       |              |
| Tin        |               |                   |       |              |
| Titanium   |               |                   |       |              |
| Vanadium   |               |                   |       |              |
| Uranium    | 522           | 500               | 104.4 | 85-115       |
| Zinc       | anr           |                   |       |              |

Associated samples MP11421: C45945-1F, C45945-2F, C45945-3F, C45945-4F, C45945-5F, C45945-6F, C45945-7F, C45945-8F, C45945-9F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

5.2.3  
5

SERIAL DILUTION RESULTS SUMMARY

Login Number: C45945  
 Account: WESTAZT - Weston Solutions, Inc.  
 Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP11421  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 06/03/16

| Metal      | C45945-7F<br>Original SDL 1:5 | %DIF | QC<br>Limits |
|------------|-------------------------------|------|--------------|
| Aluminum   |                               |      |              |
| Antimony   |                               |      |              |
| Arsenic    |                               |      |              |
| Barium     |                               |      |              |
| Beryllium  |                               |      |              |
| Boron      |                               |      |              |
| Cadmium    | anr                           |      |              |
| Calcium    |                               |      |              |
| Chromium   | anr                           |      |              |
| Cobalt     |                               |      |              |
| Copper     | anr                           |      |              |
| Iron       |                               |      |              |
| Lead       | anr                           |      |              |
| Magnesium  |                               |      |              |
| Manganese  |                               |      |              |
| Molybdenum |                               |      |              |
| Nickel     | anr                           |      |              |
| Potassium  |                               |      |              |
| Selenium   |                               |      |              |
| Silver     | anr                           |      |              |
| Sodium     |                               |      |              |
| Strontium  |                               |      |              |
| Thallium   |                               |      |              |
| Tin        |                               |      |              |
| Titanium   |                               |      |              |
| Vanadium   |                               |      |              |
| Uranium    | 16.9                          | 15.6 | 7.5 0-10     |
| Zinc       | anr                           |      |              |

Associated samples MP11421: C45945-1F, C45945-2F, C45945-3F, C45945-4F, C45945-5F, C45945-6F, C45945-7F, C45945-8F, C45945-9F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

5.2.4  
5

**General Chemistry**

**QC Data Summaries**

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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C45945  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                     | Batch ID       | RL   | MB Result | Units | Spike Amount | BSP Result | BSP %Recov | QC Limits |
|-----------------------------|----------------|------|-----------|-------|--------------|------------|------------|-----------|
| Alkalinity, Total as CaCO3  | GN19105        | 5.0  | 0.0       | mg/l  | 250          | 249        | 99.4       | 75-125%   |
| Bromide                     | GP9460/GN19148 | 0.20 | 0.0       | mg/l  | 5            | 4.92       | 98.4       | 90-110%   |
| Chloride                    | GP9460/GN19148 | 0.50 | 0.0       | mg/l  | 5            | 4.84       | 96.8       | 90-110%   |
| Fluoride                    | GP9460/GN19148 | 0.10 | 0.0       | mg/l  | 5            | 4.88       | 97.6       | 90-110%   |
| Nitrogen, Nitrate           | GP9460/GN19148 | 0.10 | 0.0       | mg/l  | 5            | 4.84       | 96.8       | 90-110%   |
| Nitrogen, Nitrate + Nitrite | GN19140        | 0.10 | 0.0       | mg/l  | 0.2          | 0.20       | 99.0       | 85-115%   |
| Nitrogen, Nitrite           | GP9460/GN19148 | 0.10 | 0.0       | mg/l  | 5            | 4.84       | 96.8       | 90-110%   |
| Solids, Total Dissolved     | GN19063        | 10   | 0.0       | mg/l  | 1000         | 977        | 97.7       | 80-120%   |
| Solids, Total Dissolved     | GN19064        | 10   | 0.0       | mg/l  | 1000         | 980        | 98.0       | 80-120%   |
| Sulfate                     | GP9460/GN19148 | 0.50 | 0.0       | mg/l  | 5            | 4.93       | 98.6       | 90-110%   |

Associated Samples:

Batch GP9460: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8, C45945-9  
 Batch GN19063: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8  
 Batch GN19064: C45945-9  
 Batch GN19105: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8, C45945-9  
 Batch GN19140: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8, C45945-9  
 (\*) Outside of QC limits

6.1  
6

BLANK SPIKE DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C45945  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                     | Batch ID       | Units | Spike Amount | BSD Result | RPD | QC Limit |
|-----------------------------|----------------|-------|--------------|------------|-----|----------|
| Alkalinity, Total as CaCO3  | GN19105        | mg/l  | 250          | 255        | 2.4 |          |
| Bromide                     | GP9460/GN19148 | mg/l  | 5            | 4.94       | 0.4 | 25%      |
| Chloride                    | GP9460/GN19148 | mg/l  | 5            | 4.89       | 1.0 | 25%      |
| Fluoride                    | GP9460/GN19148 | mg/l  | 5            | 4.91       | 0.6 | 25%      |
| Nitrogen, Nitrate           | GP9460/GN19148 | mg/l  | 5            | 4.86       | 0.4 | 25%      |
| Nitrogen, Nitrate + Nitrite | GN19140        | mg/l  | 0.2          | 0.20       | 0.4 |          |
| Nitrogen, Nitrite           | GP9460/GN19148 | mg/l  | 5            | 4.90       | 1.2 | 25%      |
| Solids, Total Dissolved     | GN19063        | mg/l  | 1000         | 972        | 0.5 | 5%       |
| Solids, Total Dissolved     | GN19064        | mg/l  | 1000         | 969        | 1.1 | 5%       |
| Sulfate                     | GP9460/GN19148 | mg/l  | 5            | 4.90       | 0.6 | 25%      |

Associated Samples:

Batch GP9460: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8, C45945-9

Batch GN19063: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8

Batch GN19064: C45945-9

Batch GN19105: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8, C45945-9

Batch GN19140: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8, C45945-9

(\*) Outside of QC limits

6.2  
6

DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C45945  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                    | Batch ID | QC Sample | Units | Original Result | DUP Result | RPD | QC Limits |
|----------------------------|----------|-----------|-------|-----------------|------------|-----|-----------|
| Alkalinity, Total as CaCO3 | GN19105  | C45945-7  | mg/l  | 265             | 269        | 1.2 | 0-25%     |
| Solids, Total Dissolved    | GN19063  | C45945-7  | mg/l  | 500             | 507        | 1.4 | 0-5%      |
| Solids, Total Dissolved    | GN19064  | C45934-4  | mg/l  | 1550            | 1510       | 2.1 | 0-5%      |

Associated Samples:

Batch GN19063: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8

Batch GN19064: C45945-9

Batch GN19105: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8, C45945-9

(\*) Outside of QC limits

6.3

6

MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C45945  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                     | Batch ID       | QC Sample | Units | Original Result | Spike Amount | MS Result | %Rec     | QC Limits |
|-----------------------------|----------------|-----------|-------|-----------------|--------------|-----------|----------|-----------|
| Bromide                     | GP9460/GN19148 | C45945-7  | mg/l  | 0.17            | 5            | 5.1       | 98.6     | 80-120%   |
| Chloride                    | GP9460/GN19148 | C45945-7  | mg/l  | 60.4            | 5            | 86.7      | 526.0(a) | 80-120%   |
| Fluoride                    | GP9460/GN19148 | C45945-7  | mg/l  | 0.090           | 5            | 5.5       | 108.2    | 80-120%   |
| Nitrogen, Nitrate           | GP9460/GN19148 | C45945-7  | mg/l  | 0.18            | 5            | 5.0       | 96.4     | 80-120%   |
| Nitrogen, Nitrate + Nitrite | GN19140        | C45945-7  | mg/l  | 0.19            | 0.2          | 0.38      | 98.3     | 75-125%   |
| Nitrogen, Nitrite           | GP9460/GN19148 | C45945-7  | mg/l  | 0.0076 U        | 5            | 5.0       | 100.0    | 80-120%   |
| Sulfate                     | GP9460/GN19148 | C45945-7  | mg/l  | 76.8            | 5            | 95.3      | 370.0(a) | 80-120%   |

Associated Samples:

Batch GP9460: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8, C45945-9  
Batch GN19140: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8, C45945-9

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

6.4  
6

MATRIX SPIKE DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C45945  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                     | Batch ID       | QC Sample | Units | Original Result | Spike Amount | MSD Result | RPD | QC Limit |
|-----------------------------|----------------|-----------|-------|-----------------|--------------|------------|-----|----------|
| Bromide                     | GP9460/GN19148 | C45945-7  | mg/l  | 0.17            | 5            | 5.1        | 0.0 |          |
| Chloride                    | GP9460/GN19148 | C45945-7  | mg/l  | 60.4            | 5            | 86.6       | 0.1 |          |
| Fluoride                    | GP9460/GN19148 | C45945-7  | mg/l  | 0.090           | 5            | 5.5        | 0.0 |          |
| Nitrogen, Nitrate           | GP9460/GN19148 | C45945-7  | mg/l  | 0.18            | 5            | 5.0        | 0.0 |          |
| Nitrogen, Nitrate + Nitrite | GN19140        | C45945-7  | mg/l  | 0.19            | 0.2          | 0.38       | 0.5 |          |
| Nitrogen, Nitrite           | GP9460/GN19148 | C45945-7  | mg/l  | 0.0076 U        | 5            | 5.0        | 0.0 |          |
| Sulfate                     | GP9460/GN19148 | C45945-7  | mg/l  | 76.8            | 5            | 95.1       | 0.2 |          |

Associated Samples:

Batch GP9460: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8, C45945-9  
Batch GN19140: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8, C45945-9  
(\* ) Outside of QC limits  
(N) Matrix Spike Rec. outside of QC limits

6.5  
6

Misc. Forms

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Custody Documents and Other Forms

(SGS Accutest Gulf Coast)

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Includes the following where applicable:

- Chain of Custody



ACCUTEST

CHAIN OF CUSTODY

2105 Lundy Avenue, San Jose, CA 95131  
TEL: 408-588-0200 FAX: 408-588-0201  
www.sgs.com

|                      |                        |
|----------------------|------------------------|
| FED-EX Tracking #    | Bottle Order Control # |
| SGS Accutest Quote # | Accutest Job # C45945  |

| Client / Reporting Information                   |              | Project Information                                                            |       |
|--------------------------------------------------|--------------|--------------------------------------------------------------------------------|-------|
| Company Name:<br>SGS Accutest Laboratories       |              | Project Name:<br>La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |       |
| Street Address:<br>2105 Lundy Avenue             |              | Street                                                                         |       |
| City:<br>San Jose, CA 95131                      | State:<br>CA | City                                                                           | State |
| Project Contact:<br>maurenc maurenc@accutest.com |              | Billing Information (if different from Report to)<br>Company Name              |       |
| Phone #:<br>408-588-0200                         | Fax #        | Street Address                                                                 |       |
| Sampler(s) Name(s):<br>GR                        |              | City State Zip                                                                 |       |
| Phone                                            |              | Attention                                                                      |       |

| Requested Analysis (see TEST CODE sheet) |  |  |  |  |  |  |  |  |  |  |  | Matrix Codes                                                                                                                                                                                                                                                                                   |
|------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                          |  |  |  |  |  |  |  |  |  |  |  | DW - Drinking Water<br>GW - Ground Water<br>WW - Water<br>SW - Surface Water<br>SO - Soil<br>FL - Sludge<br>SED - Sediment<br>OI - Oil<br>LIQ - Other Liquid<br>AIR - Air<br>SOL - Other Solid<br>WP - Wipe<br>FB - Field Blank<br>EB - Equipment Blank<br>RB - Rinse Blank<br>TB - Trip Blank |

| Accutest Sample # | Field ID / Point of Collection | MEOH/DI Vial # | Collection |             | Sampled by | Matrix | # of bottles | Number of preserved Bottles |      |      |       |      |     |         |      |        |  |   | TKN | LAB USE ONLY |
|-------------------|--------------------------------|----------------|------------|-------------|------------|--------|--------------|-----------------------------|------|------|-------|------|-----|---------|------|--------|--|---|-----|--------------|
|                   |                                |                | Date       | Time        |            |        |              | HCl                         | AsH3 | HNO3 | H2SO4 | HNO2 | NO2 | D Water | MEDH | ENCODE |  |   |     |              |
| 1                 | LB-MW1-052316                  |                | 5/23/16    | 3:10:00 PM  | GR         | AQ     |              |                             |      |      |       |      |     |         |      |        |  | X |     |              |
| 2                 | LB-MW2-052316                  |                | 5/23/16    | 4:15:00 PM  | GR         | AQ     |              |                             |      |      |       |      |     |         |      |        |  | X |     |              |
| 3                 | LB-SW1-052316                  |                | 5/23/16    | 2:09:00 PM  | GR         | AQ     |              |                             |      |      |       |      |     |         |      |        |  | X |     |              |
| 4                 | LB-SW2-052316                  |                | 5/23/16    | 1:00:00 PM  | GR         | AQ     |              |                             |      |      |       |      |     |         |      |        |  | X |     |              |
| 5                 | LB-MW5-052416                  |                | 5/23/16    | 1:30:00 PM  | GR         | AQ     |              |                             |      |      |       |      |     |         |      |        |  | X |     |              |
| 6                 | LB-MW4-052416                  |                | 5/23/16    | 2:00:00 PM  | GR         | AQ     |              |                             |      |      |       |      |     |         |      |        |  | X |     |              |
| 7S                | LB-MW7-052416                  |                | 5/23/16    | 11:33:00 AM | GR         | AQ     |              |                             |      |      |       |      |     |         |      |        |  | X |     |              |
| 7D                | LB-MW7-052416                  |                | 5/23/16    | 11:33:00 AM | GR         | AQ     |              |                             |      |      |       |      |     |         |      |        |  | X |     |              |
| 7                 | LB-MW7-052416                  |                | 5/23/16    | 11:33:00 AM | GR         | AQ     |              |                             |      |      |       |      |     |         |      |        |  | X |     |              |
| 8                 | LB-MW3-052416                  |                | 5/23/16    | 8:13:00 AM  | GR         | AQ     |              |                             |      |      |       |      |     |         |      |        |  | X |     |              |
| 9                 | LB-MW3-052416-D                |                | 5/23/16    | 8:13:00 AM  | GR         | AQ     |              |                             |      |      |       |      |     |         |      |        |  | X |     |              |

VERIFIED BY: [Signature]  
 TAGGED BY: [Signature]

|                                 |                                        |                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                      |                                                     |
|---------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Turnaround Time (Business days) | Approved By (SGS Accutest PM): / Date: | <input type="checkbox"/> Commercial "A" (Level 1)<br><input type="checkbox"/> Commercial "B" (Level 2)<br><input type="checkbox"/> FULLT (Level 3+)<br><input type="checkbox"/> NJ Reduced<br><input type="checkbox"/> Commercial "C"<br><small>Commercial "A" = Results Only<br/>Commercial "B" = Results + QC Summary<br/>NJ Reduced = Results + QC Summary + Partial Raw data</small> | <input type="checkbox"/> NYASP Category A<br><input type="checkbox"/> NYASP Category B<br><input checked="" type="checkbox"/> State: COMMIS<br><input type="checkbox"/> EDD Formal<br><input type="checkbox"/> Other | SFND TO ALGC<br>Please RUN MCSMSD FOR LB MW7 052416 |
|---------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|

| Sample Custody must be documented below each time samples change possession, including courier delivery. |                 |                          |            |                              |                    |
|----------------------------------------------------------------------------------------------------------|-----------------|--------------------------|------------|------------------------------|--------------------|
| Relinquished by Sampler: [Signature]                                                                     | Date/Time: 5/25 | Received By: [Signature] | Date/Time: | Relinquished By: [Signature] | Date/Time: 5/26/15 |
| Relinquished by Sampler:                                                                                 | Date/Time:      | Received By:             | Date/Time: | Relinquished By:             | Date/Time:         |
| Relinquished by:                                                                                         | Date/Time:      | Received By:             | Date/Time: | Relinquished By:             | Date/Time:         |
| Relinquished by:                                                                                         | Date/Time:      | Received By:             | Date/Time: | Relinquished By:             | Date/Time:         |

C45945: Chain of Custody  
Page 1 of 4  
SGS Accutest Gulf Coast

Delivered by (circle one): FedEx/UPS ALGC Driver Client

Date: 5/24/16

Client: SGS Acctest

Cooler Number: \_\_\_\_\_  
Thermometer ID: JAG CF, 0.0.0 Corrected Temp, °C 5.7

SAMPLES CONTAINED IN COOLER

Johnson

ORIGIN ID: RBKA (408) 588-0200  
ELVIN KUMAR  
ACCUTEST LABORATORIES  
2108 LINDY AVE  
SAN JOSE, CA 95131  
UNITED STATES US  
SHIP DATE: 25MAY16  
ACTWGT: 15.00 LB  
CRB: 104685527/NET9790  
BILL RECIPIENT

TO SAMPLE MANAGEMENT  
ACCUTEST GULF COAST  
10165 HARWIN DR STE 150

HOUSTON TX 77036

REF: C45945

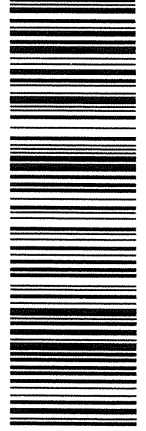


THU - 26 MAY 10:30A  
PRIORITY OVERNIGHT

TRK# 7763 7495 1282

**AB SGRA**

77036  
TX-US IAH



est Custody Seal  
Date 5/25  
E WORLD'S LEADING INSPECTION, VERIFICATION COMPANY  
**SGS**

# SGS Accutest Sample Receipt Summary

**Job Number:** C45945      **Client:** SGS ACCUTEST      **Project:** LA BAJADA  
**Date / Time Received:** \_\_\_\_\_      **Delivery Method:** \_\_\_\_\_      **Airbill #'s:** 776374951282  
**No. Coolers:** 1      **Therm ID:** IR9;      **Temp Adjustment Factor:** 0;  
**Cooler Temps (Initial/Adjusted):** #1: (5.7/5.7);

|                                     |                                                              |                                                                                    |
|-------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Cooler Security</b>              | <u>Y or N</u>                                                | <u>Y or N</u>                                                                      |
| 1. Custody Seals Present:           | <input checked="" type="checkbox"/> <input type="checkbox"/> | 3. COC Present: <input checked="" type="checkbox"/> <input type="checkbox"/>       |
| 2. Custody Seals Intact:            | <input checked="" type="checkbox"/> <input type="checkbox"/> | 4. Smpl Dates/Time OK <input checked="" type="checkbox"/> <input type="checkbox"/> |
| <b>Cooler Temperature</b>           |                                                              |                                                                                    |
|                                     | <u>Y or N</u>                                                |                                                                                    |
| 1. Temp criteria achieved:          | <input checked="" type="checkbox"/> <input type="checkbox"/> |                                                                                    |
| 2. Cooler temp verification:        | _____                                                        |                                                                                    |
| 3. Cooler media:                    | Ice (Bag)                                                    |                                                                                    |
| <b>Quality Control Preservation</b> |                                                              |                                                                                    |
|                                     | <u>Y or N</u>                                                | <u>N/A</u>                                                                         |
| 1. Trip Blank present / cooler:     | <input type="checkbox"/> <input type="checkbox"/>            | <input checked="" type="checkbox"/>                                                |
| 2. Trip Blank listed on COC:        | <input type="checkbox"/> <input type="checkbox"/>            | <input checked="" type="checkbox"/>                                                |
| 3. Samples preserved properly:      | <input checked="" type="checkbox"/> <input type="checkbox"/> |                                                                                    |
| 4. VOCs headspace free:             | <input type="checkbox"/> <input type="checkbox"/>            | <input checked="" type="checkbox"/>                                                |

|                                            |                                     |           |                                     |
|--------------------------------------------|-------------------------------------|-----------|-------------------------------------|
| <b>Sample Integrity - Documentation</b>    | <u>Y</u>                            | <u>or</u> | <u>N</u>                            |
| 1. Sample labels present on bottles:       | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |
| 2. Container labeling complete:            | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |
| 3. Sample container label / COC agree:     | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |
| <b>Sample Integrity - Condition</b>        |                                     |           |                                     |
|                                            | <u>Y</u>                            | <u>or</u> | <u>N</u>                            |
| 1. Sample recvd within HT:                 | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |
| 2. All containers accounted for:           | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |
| 3. Condition of sample:                    | Intact                              |           |                                     |
| <b>Sample Integrity - Instructions</b>     |                                     |           |                                     |
|                                            | <u>Y</u>                            | <u>or</u> | <u>N</u>                            |
| 1. Analysis requested is clear:            | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |
| 2. Bottles received for unspecified tests: | <input type="checkbox"/>            |           | <input checked="" type="checkbox"/> |
| 3. Sufficient volume recvd for analysis:   | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |
| 4. Compositing instructions clear:         | <input type="checkbox"/>            |           | <input type="checkbox"/>            |
| 5. Filtering instructions clear:           | <input type="checkbox"/>            |           | <input checked="" type="checkbox"/> |

Comments

7.1  
7

# Sample Receipt Log

**Job #:** C45945 \_\_\_\_\_

**Date / Time Received:** 5/26/2016 9:40:00 AM \_\_\_\_\_

**Initials:** ds \_\_\_\_\_

**Client:** SGS ACCUTEST \_\_\_\_\_

| Cooler # | Sample ID: | Vol   | Bot # | Location | Pres  | pH     | Therm ID | Initial Temp | Therm CF | Corrected Temp |
|----------|------------|-------|-------|----------|-------|--------|----------|--------------|----------|----------------|
| 1        | C45945-1   | 250ml | 1     | 1W       | H2SO4 | pH < 2 | IR9      | 5.7          | 0        | 5.7            |
| 1        | C45945-2   | 250ml | 1     | 1W       | H2SO4 | pH < 2 | IR9      | 5.7          | 0        | 5.7            |
| 1        | C45945-3   | 250ml | 1     | 1W       | H2SO4 | pH < 2 | IR9      | 5.7          | 0        | 5.7            |
| 1        | C45945-4   | 250ml | 1     | 1W       | H2SO4 | pH < 2 | IR9      | 5.7          | 0        | 5.7            |
| 1        | C45945-5   | 250ml | 1     | 1W       | H2SO4 | pH < 2 | IR9      | 5.7          | 0        | 5.7            |
| 1        | C45945-6   | 250ml | 1     | 1W       | H2SO4 | pH < 2 | IR9      | 5.7          | 0        | 5.7            |
| 1        | C45945-7   | 250ml | 1     | 1W       | H2SO4 | pH < 2 | IR9      | 5.7          | 0        | 5.7            |
| 1        | C45945-8   | 250ml | 1     | 1W       | H2SO4 | pH < 2 | IR9      | 5.7          | 0        | 5.7            |
| 1        | C45945-9   | 250ml | 1     | 1W       | H2SO4 | pH < 2 | IR9      | 5.7          | 0        | 5.7            |

7.1  
7

**C45945: Chain of Custody**

**Page 4 of 4**

**General Chemistry**

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**QC Data Summaries**

(SGS Accutest Gulf Coast)

---

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C45945

Account: ALNCA - Accutest Northern California, Inc.

Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                  | Batch ID        | RL   | MB<br>Result | Units | Spike<br>Amount | BSP<br>Result | BSP<br>%Recov | QC<br>Limits |
|--------------------------|-----------------|------|--------------|-------|-----------------|---------------|---------------|--------------|
| Nitrogen, Total Kjeldahl | GP36437/GN73189 | 0.20 | 0.0          | mg/l  | 2               | 2.00          | 100.0         | 90-110%      |

Associated Samples:

Batch GP36437: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8, C45945-9

(\*) Outside of QC limits

8.1

8

DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C45945  
Account: ALNCA - Accutest Northern California, Inc.  
Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                  | Batch ID        | QC Sample | Units | Original Result | DUP Result | RPD | QC Limits |
|--------------------------|-----------------|-----------|-------|-----------------|------------|-----|-----------|
| Nitrogen, Total Kjeldahl | GP36437/GN73189 | C45945-7  | mg/l  | 0.10 U          | 0.0        | 0.0 | 0-20%     |

Associated Samples:

Batch GP36437: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8, C45945-9  
(\* ) Outside of QC limits

8.2

8

MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: C45945  
Account: ALNCA - Accutest Northern California, Inc.  
Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                  | Batch ID        | QC Sample | Units | Original Result | Spike Amount | MS Result | %Rec | QC Limits |
|--------------------------|-----------------|-----------|-------|-----------------|--------------|-----------|------|-----------|
| Nitrogen, Total Kjeldahl | GP36437/GN73189 | C45945-7  | mg/l  | 0.10 U          | 2            | 1.9       | 95.0 | 90-110%   |

Associated Samples:

Batch GP36437: C45945-1, C45945-2, C45945-3, C45945-4, C45945-5, C45945-6, C45945-7, C45945-8, C45945-9

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits



### Technical Report for

Weston Solutions, Inc.

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

12767.201.001.0020

SGS Accutest Job Number: C45945X

Sampling Dates: 05/23/16 - 05/24/16



Report to:

Weston Solutions, Inc.  
960 West Elliot Road Suite 101  
Tempe, AZ 85284  
b.wethington@westonsolutions.com  
  
ATTN: Barbara Wethington

Total number of pages in report: **29**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

James J. Rhudy  
Lab Director

Client Service contact: Maureen Coloma 408-588-0200

Certifications: CA (ELAP 2910) AK (UST-092) AZ (AZ0762) NV (CA00150) OR (CA300006) WA (C925)  
DoD ELAP (L-A-B L2242)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.  
Test results relate only to samples analyzed.

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## Sample Summary

Weston Solutions, Inc.

Job No: C45945X

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
Project No: 12767.201.001.0020

| Sample Number | Collected |          | Matrix Received | Code | Type               | Client Sample ID |
|---------------|-----------|----------|-----------------|------|--------------------|------------------|
|               | Date      | Time By  |                 |      |                    |                  |
| C45945-1X     | 05/23/16  | 15:10 GR | 05/25/16        | AQ   | Ground Water       | LB-MW1-052316    |
| C45945-2X     | 05/23/16  | 16:15 GR | 05/25/16        | AQ   | Ground Water       | LB-MW2-052316    |
| C45945-3X     | 05/23/16  | 14:09 GR | 05/25/16        | AQ   | Ground Water       | LB-SW1-052316    |
| C45945-4X     | 05/23/16  | 13:00 GR | 05/25/16        | AQ   | Ground Water       | LB-SW2-052316    |
| C45945-5X     | 05/24/16  | 13:30 GR | 05/25/16        | AQ   | Ground Water       | LB-MW5-052416    |
| C45945-6X     | 05/24/16  | 14:00 GR | 05/25/16        | AQ   | Ground Water       | LB-MW4-052416    |
| C45945-7DX    | 05/24/16  | 11:33 GR | 05/25/16        | AQ   | Water Dup/MSD      | LB-MW7-052416    |
| C45945-7SX    | 05/24/16  | 11:33 GR | 05/25/16        | AQ   | Water Matrix Spike | LB-MW7-052416    |
| C45945-7X     | 05/24/16  | 11:33 GR | 05/25/16        | AQ   | Ground Water       | LB-MW7-052416    |
| C45945-8X     | 05/24/16  | 08:13 GR | 05/25/16        | AQ   | Ground Water       | LB-MW3-052416    |
| C45945-9X     | 05/24/16  | 08:13 GR | 05/25/16        | AQ   | Ground Water       | LB-MW3-052416-D  |

Subcontract Lab Data

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Report of Analysis

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Summit Environmental Technologies, Inc.  
3310 Win St.  
Cuyahoga Falls, Ohio 44223  
TEL: (330) 253-8211 FAX: (330) 253-4489  
Website: <http://www.settek.com>

June 23, 2016

Maureen Coloma  
Accutest Laboratories  
2105 Lundy Avenue  
San Jose, CA 95131  
TEL:  
FAX:

RE: La Bajada Mine GW sampling

Dear Maureen Coloma:

Order No.: 16051736

Summit Environmental Technologies, Inc. received 11 sample(s) on 5/25/2016 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Ana C. Slocum  
Project Manager  
3310 Win St.  
Cuyahoga Falls, Ohio 44223

Alabama 41600, Arkansas 88-0735, California 07256CA, Colorado, Connecticut PH-0105, Delaware, Florida NELAC E87688, Georgia E87688 and 943, Idaho OH00923, Illinois 200061 and Reg.5, Indiana C-OH-13, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Louisiana 04061 and LA12004, Maine 2012015, Maryland 339, Massachusetts M-OPH923, Minnesota 409711, Montana CERT0099, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, Ohio Drinking Water 4170, Ohio VAP CL0052, Oklahoma 9940, Oregon OH200001, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-11-5, Region 8 8TMS-L, USDA/APHIS P330-11-00244, Utah OH009232011-1, Vermont VT-87688, Virginia 00440 and 1581, Washington C891, West Virginia 248 and 9957C and E87688, Wisconsin 399013010



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## Case Narrative

WO#: 16051736  
Date: 6/23/2016

---

**CLIENT:** Accutest Laboratories  
**Project:** La Bajada Mine GW sampling

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This report in its entirety consists of the documents listed below. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Paginated Report including Cover Letter, Case Narrative, Analytical Results, Applicable Quality Control Summary Reports, and copies of the Chain of Custody Documents are supplied with this sample set.

Concentrations reported with a J-Flag in the Qualifier Field are values below the Limit of Quantitation (LOQ) but greater than the established Method Detection Limit (MDL).

Method numbers, unless specified as SM (Standard Methods) or ASTM, are EPA methods.

Estimated uncertainty values are available upon request.

Analysis performed by DBM, VRM, or SFG were performed at Summit Labs 2704 Eatonton Highway Haddock, GA 31033

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

This report is believed to meet all of the requirements of NELAC or the accrediting / certifying agency. Any comments or problems with the analytical events associated with this report are noted below.

---

Original  
Page 2 of 15



Summit Environmental Technologies, Inc  
3310 Win S  
Cuyahoga Falls, Ohio 4422  
TEL: (330) 253-8211 FAX: (330) 253-448  
Website: <http://www.settek.co>

## Qualifiers and Acronyms

WO#: 16051736  
Date: 6/23/2016

2

These commonly used Qualifiers and Acronyms may or may not be present in this report.

### Qualifiers

|       |                                                                                                                     |
|-------|---------------------------------------------------------------------------------------------------------------------|
| U     | The compound was analyzed for but was not detected.                                                                 |
| J     | The reported value is greater than the Method Detection Limit but less than the Reporting Limit.                    |
| H     | The hold time for sample preparation and/or analysis was exceeded.                                                  |
| D     | The result is reported from a dilution.                                                                             |
| E     | The result exceeded the linear range of the calibration or is estimated due to interference.                        |
| MC    | The result is below the Minimum Compound Limit.                                                                     |
| *     | The result exceeds the Regulatory Limit or Maximum Contamination Limit.                                             |
| m     | Manual integration was used to determine the area response.                                                         |
| N     | The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.                          |
| P     | The second column confirmation exceeded 25% difference.                                                             |
| C     | The result has been confirmed by GC/MS.                                                                             |
| X     | The result was not confirmed when GC/MS Analysis was performed.                                                     |
| B/MB+ | The analyte was detected in the associated blank.                                                                   |
| G     | The ICB or CCB contained reportable amounts of analyte.                                                             |
| QC-/+ | The CCV recovery failed low (-) or high (+).                                                                        |
| R/QDR | The RPD was outside of accepted recovery limits.                                                                    |
| QL-/+ | The LCS or LCSD recovery failed low (-) or high (+).                                                                |
| QLR   | The LCS/LCSD RPD was outside of accepted recovery limits.                                                           |
| QM-/+ | The MS or MSD recovery failed low (-) or high (+).                                                                  |
| QMR   | The MS/MSD RPD was outside of accepted recovery limits.                                                             |
| QV-/+ | The ICV recovery failed low (-) or high (+).                                                                        |
| S     | The spike result was outside of accepted recovery limits.                                                           |
| Z     | Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information |

### Acronyms

|      |                                     |        |                                      |
|------|-------------------------------------|--------|--------------------------------------|
| ND   | Not Detected                        | RL     | Reporting Limit                      |
| QC   | Quality Control                     | MDL    | Method Detection Limit               |
| MB   | Method Blank                        | LOD    | Level of Detection                   |
| LCS  | Laboratory Control Sample           | LOQ    | Level of Quantitation                |
| LCSD | Laboratory Control Sample Duplicate | PQL    | Practical Quantitation Limit         |
| QCS  | Quality Control Sample              | CRQL   | Contract Required Quantitation Limit |
| DUP  | Duplicate                           | PL     | Permit Limit                         |
| MS   | Matrix Spike                        | RegLvl | Regulatory Limit                     |
| MSD  | Matrix Spike Duplicate              | MCL    | Maximum Contamination Limit          |
| RPD  | Relative Percent Different          | MinCL  | Minimum Compound Limit               |
| ICV  | Initial Calibration Verification    | RA     | Reanalysis                           |
| ICB  | Initial Calibration Blank           | RE     | Reextraction                         |
| CCV  | Continuing Calibration Verification | TIC    | Tentatively Identified Compound      |
| CCB  | Continuing Calibration Blank        | RT     | Retention Time                       |
| RLC  | Reporting Limit Check               | CF     | Calibration Factor                   |
| DF   | Dilution Factor                     | RF     | Response Factor                      |

**This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.**



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## Workorder Sample Summary

WO#: 16051736  
23-Jun-16

**CLIENT:** Accutest Laboratories  
**Project:** La Bajada Mine GW sampling

| Lab SampleID | Client Sample ID | Tag No | Date Collected        | Date Received        | Matrix         |
|--------------|------------------|--------|-----------------------|----------------------|----------------|
| 16051736-001 | LB-MW1-052316    |        | 5/23/2016 3:10:00 PM  | 5/25/2016 9:50:00 AM | Drinking Water |
| 16051736-002 | LB-MW2-052316    |        | 5/23/2016 4:15:00 PM  | 5/25/2016 9:50:00 AM | Drinking Water |
| 16051736-003 | LB-SW1-052316    |        | 5/23/2016 2:09:00 PM  | 5/25/2016 9:50:00 AM | Drinking Water |
| 16051736-004 | LB-SW2-052316    |        | 5/23/2016 1:00:00 PM  | 5/25/2016 9:50:00 AM | Drinking Water |
| 16051736-005 | LB-MW5-052416    |        | 5/24/2016 1:30:00 PM  | 5/25/2016 9:50:00 AM | Drinking Water |
| 16051736-006 | LB-MW4-052416    |        | 5/24/2016 2:00:00 PM  | 5/25/2016 9:50:00 AM | Drinking Water |
| 16051736-007 | LB-MW7-052416    |        | 5/24/2016 11:33:00 AM | 5/25/2016 9:50:00 AM | Drinking Water |
| 16051736-008 | LB-MW7-052416MS  |        | 5/24/2016 11:33:00 AM | 5/25/2016 9:50:00 AM | Drinking Water |
| 16051736-009 | LB-MW7-052416MSD |        | 5/24/2016 11:33:00 AM | 5/25/2016 9:50:00 AM | Drinking Water |
| 16051736-010 | LB-MW3-052416    |        | 5/24/2016 8:13:00 AM  | 5/25/2016 9:50:00 AM | Drinking Water |
| 16051736-011 | LB-MW3-052416-D  |        | 5/24/2016 8:13:00 AM  | 5/25/2016 9:50:00 AM | Drinking Water |



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# Analytical Report

(consolidated)  
 WO#: **16051736**  
 Date Reported: **6/23/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 5/23/2016 3:10:00 PM  
**Project:** La Bajada Mine GW sampling  
**Lab ID:** 16051736-001 **Matrix:** DRINKING WATER  
**Client Sample ID** LB-MW1-052316

| Analyses                                                | Result | RL   | Qual | Units | Uncertainty   | DF | Date Analyzed         |
|---------------------------------------------------------|--------|------|------|-------|---------------|----|-----------------------|
| <b>COMBINEDRADIUM226/228-NPW RADIUM-226 (EPA 903.0)</b> |        |      |      |       | <b>E903.0</b> |    | Analyst: <b>BRD</b>   |
| Radium-226                                              | ND     | 1.00 | U    | pCi/L | ± 0.07        | 1  | 6/22/2016 12:50:00 PM |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/22/2016 12:50:00 PM |
| <b>COMBINEDRADIUM226/228-NPW RADIUM-228 (EPA 904.0)</b> |        |      |      |       | <b>E904.0</b> |    | Analyst: <b>BRD</b>   |
| Radium-228                                              | 1.48   | 1.00 |      | pCi/L | ± 0.66        | 1  | 6/21/2016 3:59:00 PM  |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/21/2016 3:59:00 PM  |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16051736**  
 Date Reported: **6/23/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 5/23/2016 4:15:00 PM  
**Project:** La Bajada Mine GW sampling  
**Lab ID:** 16051736-002 **Matrix:** DRINKING WATER  
**Client Sample ID** LB-MW2-052316

| Analyses                                                | Result | RL   | Qual | Units | Uncertainty   | DF | Date Analyzed         |
|---------------------------------------------------------|--------|------|------|-------|---------------|----|-----------------------|
| <b>COMBINEDRADIUM226/228-NPW RADIUM-226 (EPA 903.0)</b> |        |      |      |       | <b>E903.0</b> |    | Analyst: <b>BRD</b>   |
| Radium-226                                              | ND     | 1.00 | U    | pCi/L | ± 0.09        | 1  | 6/22/2016 12:50:00 PM |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/22/2016 12:50:00 PM |
| <b>COMBINEDRADIUM226/228-NPW RADIUM-228 (EPA 904.0)</b> |        |      |      |       | <b>E904.0</b> |    | Analyst: <b>BRD</b>   |
| Radium-228                                              | ND     | 1.00 | U    | pCi/L | ± 0.71        | 1  | 6/21/2016 3:59:00 PM  |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/21/2016 3:59:00 PM  |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16051736**  
 Date Reported: **6/23/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 5/23/2016 2:09:00 PM  
**Project:** La Bajada Mine GW sampling  
**Lab ID:** 16051736-003 **Matrix:** DRINKING WATER  
**Client Sample ID** LB-SW1-052316

| Analyses                                                | Result | RL   | Qual | Units | Uncertainty   | DF | Date Analyzed         |
|---------------------------------------------------------|--------|------|------|-------|---------------|----|-----------------------|
| <b>COMBINEDRADIUM226/228-NPW RADIUM-226 (EPA 903.0)</b> |        |      |      |       | <b>E903.0</b> |    | Analyst: <b>BRD</b>   |
| Radium-226                                              | ND     | 1.00 | U    | pCi/L | ± 0.1         | 1  | 6/22/2016 12:50:00 PM |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/22/2016 12:50:00 PM |
| <b>COMBINEDRADIUM226/228-NPW RADIUM-228 (EPA 904.0)</b> |        |      |      |       | <b>E904.0</b> |    | Analyst: <b>BRD</b>   |
| Radium-228                                              | 3.28   | 1.00 |      | pCi/L | ± 0.93        | 1  | 6/21/2016 3:59:00 PM  |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/21/2016 3:59:00 PM  |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16051736**  
 Date Reported: **6/23/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 5/23/2016 1:00:00 PM  
**Project:** La Bajada Mine GW sampling  
**Lab ID:** 16051736-004 **Matrix:** DRINKING WATER  
**Client Sample ID** LB-SW2-052316

| Analyses                                                | Result | RL   | Qual | Units | Uncertainty   | DF                  | Date Analyzed         |
|---------------------------------------------------------|--------|------|------|-------|---------------|---------------------|-----------------------|
| <b>COMBINEDRADIUM226/228-NPW RADIUM-226 (EPA 903.0)</b> |        |      |      |       | <b>E903.0</b> | Analyst: <b>BRD</b> |                       |
| Radium-226                                              | ND     | 1.00 | U    | pCi/L | ± 0.1         | 1                   | 6/22/2016 12:50:00 PM |
| Yield                                                   | 1.00   |      |      |       |               | 1                   | 6/22/2016 12:50:00 PM |
| <b>COMBINEDRADIUM226/228-NPW RADIUM-228 (EPA 904.0)</b> |        |      |      |       | <b>E904.0</b> | Analyst: <b>BRD</b> |                       |
| Radium-228                                              | ND     | 1.00 |      | pCi/L | ± 0.7         | 1                   | 6/21/2016 3:59:00 PM  |
| Yield                                                   | 1.00   |      |      |       |               | 1                   | 6/21/2016 3:59:00 PM  |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



Summit Environmental Technologies, Inc.  
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 Cuyahoga Falls, Ohio 44223  
 TEL: (330) 253-8211 FAX: (330) 253-4489  
 Website: <http://www.settek.com>

# Analytical Report

(consolidated)  
 WO#: 16051736  
 Date Reported: 6/23/2016

**CLIENT:** Accutest Laboratories **Collection Date:** 5/24/2016 1:30:00 PM  
**Project:** La Bajada Mine GW sampling  
**Lab ID:** 16051736-005 **Matrix:** DRINKING WATER  
**Client Sample ID** LB-MW5-052416

| Analyses                                                | Result | RL   | Qual | Units | Uncertainty   | DF | Date Analyzed         |
|---------------------------------------------------------|--------|------|------|-------|---------------|----|-----------------------|
| <b>COMBINEDRADIUM226/228-NPW RADIUM-226 (EPA 903.0)</b> |        |      |      |       | <b>E903.0</b> |    | Analyst: BRD          |
| Radium-226                                              | 2.05   | 1.00 |      | pCi/L | ± 0.25        | 1  | 6/22/2016 12:50:00 PM |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/22/2016 12:50:00 PM |
| <b>COMBINEDRADIUM226/228-NPW RADIUM-228 (EPA 904.0)</b> |        |      |      |       | <b>E904.0</b> |    | Analyst: BRD          |
| Radium-228                                              | 4.15   | 1.00 |      | pCi/L | ± 0.96        | 1  | 6/21/2016 4:07:00 PM  |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/21/2016 4:07:00 PM  |

**Qualifiers:**

|                                                      |                                                      |
|------------------------------------------------------|------------------------------------------------------|
| * Value exceeds Maximum Contaminant Level.           | E Value above quantitation range                     |
| H Holding times for preparation or analysis exceeded | M Manual Integration used to determine area response |
| MC Value is below Minimum Compound Limit.            | N Tentatively identified compounds                   |
| ND Not Detected at the Reporting Limit               | O RSD is greater than RSDlimit                       |
| P Second column confirmation exceeds                 | PL Permit Limit                                      |



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# Analytical Report

(consolidated)  
 WO#: **16051736**  
 Date Reported: **6/23/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 5/24/2016 2:00:00 PM  
**Project:** La Bajada Mine GW sampling  
**Lab ID:** 16051736-006 **Matrix:** DRINKING WATER  
**Client Sample ID** LB-MW4-052416

| Analyses                                                | Result | RL   | Qual | Units | Uncertainty   | DF | Date Analyzed         |
|---------------------------------------------------------|--------|------|------|-------|---------------|----|-----------------------|
| <b>COMBINEDRADIUM226/228-NPW RADIUM-226 (EPA 903.0)</b> |        |      |      |       | <b>E903.0</b> |    | Analyst: BRD          |
| Radium-226                                              | ND     | 1.00 | U    | pCi/L | ± 0.08        | 1  | 6/22/2016 12:50:00 PM |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/22/2016 12:50:00 PM |
| <b>COMBINEDRADIUM226/228-NPW RADIUM-228 (EPA 904.0)</b> |        |      |      |       | <b>E904.0</b> |    | Analyst: BRD          |
| Radium-228                                              | ND     | 1.00 |      | pCi/L | ± 0.73        | 1  | 6/21/2016 3:59:00 PM  |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/21/2016 3:59:00 PM  |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 16051736  
 Date Reported: 6/23/2016

**CLIENT:** Accutest Laboratories **Collection Date:** 5/24/2016 11:33:00 AM  
**Project:** La Bajada Mine GW sampling  
**Lab ID:** 16051736-007 **Matrix:** DRINKING WATER  
**Client Sample ID** LB-MW7-052416

| Analyses                                                | Result | RL   | Qual | Units | Uncertainty   | DF           | Date Analyzed         |
|---------------------------------------------------------|--------|------|------|-------|---------------|--------------|-----------------------|
| <b>COMBINEDRADIUM226/228-NPW RADIUM-226 (EPA 903.0)</b> |        |      |      |       | <b>E903.0</b> | Analyst: BRD |                       |
| Radium-226                                              | ND     | 1.00 | U    | pCi/L | ± 0.09        | 1            | 6/22/2016 12:50:00 PM |
| Yield                                                   | 1.00   |      |      |       |               | 1            | 6/22/2016 12:50:00 PM |
| <b>COMBINEDRADIUM226/228-NPW RADIUM-228 (EPA 904.0)</b> |        |      |      |       | <b>E904.0</b> | Analyst: BRD |                       |
| Radium-228                                              | ND     | 1.00 | U    | pCi/L | ± 0.48        | 1            | 6/21/2016 4:00:00 PM  |
| Yield                                                   | 1.00   |      |      |       |               | 1            | 6/21/2016 4:00:00 PM  |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 16051736  
 Date Reported: 6/23/2016

**CLIENT:** Accutest Laboratories **Collection Date:** 5/24/2016 11:33:00 AM  
**Project:** La Bajada Mine GW sampling  
**Lab ID:** 16051736-008 **Matrix:** DRINKING WATER  
**Client Sample ID** LB-MW7-052416MS

| Analyses                                                | Result | RL   | Qual | Units | Uncertainty   | DF | Date Analyzed         |
|---------------------------------------------------------|--------|------|------|-------|---------------|----|-----------------------|
| <b>COMBINEDRADIUM226/228-NPW RADIUM-226 (EPA 903.0)</b> |        |      |      |       | <b>E903.0</b> |    | Analyst: BRD          |
| Radium-226                                              | ND     | 1.00 | U    | pCi/L | ± 0.11        | 1  | 6/22/2016 12:51:00 PM |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/22/2016 12:51:00 PM |
| <b>COMBINEDRADIUM226/228-NPW RADIUM-228 (EPA 904.0)</b> |        |      |      |       | <b>E904.0</b> |    | Analyst: BRD          |
| Radium-228                                              | ND     | 1.00 | U    | pCi/L | ± 0.53        | 1  | 6/21/2016 4:00:00 PM  |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/21/2016 4:00:00 PM  |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16051736**  
 Date Reported: **6/23/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 5/24/2016 11:33:00 AM  
**Project:** La Bajada Mine GW sampling  
**Lab ID:** 16051736-009 **Matrix:** DRINKING WATER  
**Client Sample ID** LB-MW7-052416MSD

| Analyses                                                | Result | RL   | Qual | Units | Uncertainty   | DF                  | Date Analyzed         |
|---------------------------------------------------------|--------|------|------|-------|---------------|---------------------|-----------------------|
| <b>COMBINEDRADIUM226/228-NPW RADIUM-226 (EPA 903.0)</b> |        |      |      |       | <b>E903.0</b> | Analyst: <b>BRD</b> |                       |
| Radium-226                                              | ND     | 1.00 | U    | pCi/L | ± 0.11        | 1                   | 6/22/2016 12:51:00 PM |
| Yield                                                   | 1.00   |      |      |       |               | 1                   | 6/22/2016 12:51:00 PM |
| <b>COMBINEDRADIUM226/228-NPW RADIUM-228 (EPA 904.0)</b> |        |      |      |       | <b>E904.0</b> | Analyst: <b>BRD</b> |                       |
| Radium-228                                              | 1.29   | 1.00 |      | pCi/L | ± 0.69        | 1                   | 6/21/2016 4:00:00 PM  |
| Yield                                                   | 1.00   |      |      |       |               | 1                   | 6/21/2016 4:00:00 PM  |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 16051736  
 Date Reported: 6/23/2016

**CLIENT:** Accutest Laboratories **Collection Date:** 5/24/2016 8:13:00 AM  
**Project:** La Bajada Mine GW sampling  
**Lab ID:** 16051736-010 **Matrix:** DRINKING WATER  
**Client Sample ID** LB-MW3-052416

| Analyses                                                | Result | RL   | Qual | Units | Uncertainty   | DF | Date Analyzed         |
|---------------------------------------------------------|--------|------|------|-------|---------------|----|-----------------------|
| <b>COMBINEDRADIUM226/228-NPW RADIUM-226 (EPA 903.0)</b> |        |      |      |       | <b>E903.0</b> |    | Analyst: BRD          |
| Radium-226                                              | ND     | 1.00 | U    | pCi/L | ± 0.09        | 1  | 6/22/2016 12:51:00 PM |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/22/2016 12:51:00 PM |
| <b>COMBINEDRADIUM226/228-NPW RADIUM-228 (EPA 904.0)</b> |        |      |      |       | <b>E904.0</b> |    | Analyst: BRD          |
| Radium-228                                              | ND     | 1.00 | U    | pCi/L | ± 0.36        | 1  | 6/21/2016 4:52:00 PM  |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/21/2016 4:52:00 PM  |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 16051736  
 Date Reported: 6/23/2016

**CLIENT:** Accutest Laboratories **Collection Date:** 5/24/2016 8:13:00 AM  
**Project:** La Bajada Mine GW sampling  
**Lab ID:** 16051736-011 **Matrix:** DRINKING WATER  
**Client Sample ID** LB-MW3-052416-D

| Analyses                                                | Result | RL   | Qual | Units | Uncertainty   | DF | Date Analyzed        |
|---------------------------------------------------------|--------|------|------|-------|---------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW RADIUM-226 (EPA 903.0)</b> |        |      |      |       | <b>E903.0</b> |    | Analyst: BRD         |
| Radium-226                                              | ND     | 1.00 | U    | pCi/L | ± 0.1         | 1  | 6/22/2016 2:57:00 PM |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/22/2016 2:57:00 PM |
| <b>COMBINEDRADIUM226/228-NPW RADIUM-228 (EPA 904.0)</b> |        |      |      |       | <b>E904.0</b> |    | Analyst: BRD         |
| Radium-228                                              | ND     | 1.00 | U    | pCi/L | ± 0.48        | 1  | 6/21/2016 4:52:00 PM |
| Yield                                                   | 1.00   |      |      |       |               | 1  | 6/21/2016 4:52:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



ACCUTEST

CHAIN OF CUSTODY

2105 Lundy Avenue, San Jose, CA, 95131  
TEL: 408-588-0200 FAX: 408-588-0201  
www.sgs.com

| Client / Reporting Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |         | Project Information                                                                                         |            |        | Requested Analysis (see TEST CODE SHEET)                                                |            |        | Matrix Codes                                                                                                                                                                                                                                                                                            |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|---------|-------------------------------------------------------------------------------------------------------------|------------|--------|-----------------------------------------------------------------------------------------|------------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Company Name:<br>SGS Accutest Laboratories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                |         | Project Name:<br>La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico                              |            |        | Requested Analysis (see TEST CODE SHEET):<br><b>1734-0011</b><br><b>CSL</b>             |            |        | Matrix Codes:<br>DW - Drinking Water<br>GW - Ground Water<br>WW - Wastewater<br>SW - Surface Water<br>SO - Soil<br>SL - Sludge<br>SED - Sediment<br>OI - Oil<br>LI - Other Liquid<br>SOL - Other Solid<br>WP - Waste<br>FB - Field Blank<br>EB - Equipment Blank<br>RB - Rinse Blank<br>TB - Trip Blank |  |
| Street Address:<br>2105 Lundy Avenue<br>City: San Jose, CA 95131                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |         | Billing Information (if different from Report to):<br>Company Name:<br>Street Address:<br>City: State: Zip: |            |        | Number of preserved bottles:<br>CH<br>HORN<br>HNO3<br>H2SO4<br>DI WTR<br>MEOH<br>ENOHRE |            |        | LAB USE ONLY                                                                                                                                                                                                                                                                                            |  |
| Project Contact:<br>mraurenc<br>Email:<br>mraurenc@accutest.com                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |         | Client Purchase Order #:<br>408-588-0200                                                                    |            |        | Matrix # of bottles:<br>GR AQ                                                           |            |        | COMBINED RA-226 & RA-228 "EPA 900 SERIES"                                                                                                                                                                                                                                                               |  |
| Phone #:<br>408-588-0200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |         | Phone Project Manager:<br>GR                                                                                |            |        | Collection:                                                                             |            |        |                                                                                                                                                                                                                                                                                                         |  |
| Account Sample #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Field ID / Point of Collection | Date    | Time                                                                                                        | Sampled By | Matrix | # of bottles                                                                            | Collection | Matrix | Matrix                                                                                                                                                                                                                                                                                                  |  |
| 1X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LB-MW1-052316                  | 5/23/16 | 3:10:00 PM                                                                                                  | GR         | AQ     |                                                                                         |            | X      |                                                                                                                                                                                                                                                                                                         |  |
| 2X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LB-MW2-052316                  | 5/23/16 | 4:15:00 PM                                                                                                  | GR         | AQ     |                                                                                         |            | X      |                                                                                                                                                                                                                                                                                                         |  |
| 3X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LB-SW1-052316                  | 5/23/16 | 2:09:00 PM                                                                                                  | GR         | AQ     |                                                                                         |            | X      |                                                                                                                                                                                                                                                                                                         |  |
| 4X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LB-SW2-052316                  | 5/23/16 | 1:00:00 PM                                                                                                  | GR         | AQ     |                                                                                         |            | X      |                                                                                                                                                                                                                                                                                                         |  |
| 5X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LB-MW5-052416                  | 5/24/16 | 1:30:00 PM                                                                                                  | GR         | AQ     |                                                                                         |            | X      |                                                                                                                                                                                                                                                                                                         |  |
| 6X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LB-MW4-052416                  | 5/24/16 | 2:00:00 PM                                                                                                  | GR         | AQ     |                                                                                         |            | X      |                                                                                                                                                                                                                                                                                                         |  |
| 7X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LB-MW7-052416                  | 5/24/16 | 11:33:00 AM                                                                                                 | GR         | AQ     |                                                                                         |            | X      |                                                                                                                                                                                                                                                                                                         |  |
| 7SX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LB-MW7-052416                  | 5/24/16 | 11:33:00 AM                                                                                                 | GR         | AQ     |                                                                                         |            | X      |                                                                                                                                                                                                                                                                                                         |  |
| 7DX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | LB-MW7-052416                  | 5/24/16 | 11:33:00 AM                                                                                                 | GR         | AQ     |                                                                                         |            | X      |                                                                                                                                                                                                                                                                                                         |  |
| 8X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LB-MW3-052416                  | 5/24/16 | 8:13:00 AM                                                                                                  | GR         | AQ     |                                                                                         |            | X      |                                                                                                                                                                                                                                                                                                         |  |
| 9X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | LB-MW3-052416-D                | 5/24/16 | 8:13:00 AM                                                                                                  | GR         | AQ     |                                                                                         |            | X      |                                                                                                                                                                                                                                                                                                         |  |
| Turnaround Time (Business days):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |         |                                                                                                             |            |        |                                                                                         |            |        |                                                                                                                                                                                                                                                                                                         |  |
| Approved By (SGS Account Mgr.): / Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |         |                                                                                                             |            |        |                                                                                         |            |        |                                                                                                                                                                                                                                                                                                         |  |
| <input type="checkbox"/> Std. 10 Business Days<br><input type="checkbox"/> 5 Day RUSH<br><input type="checkbox"/> 3 Day EMERGENCY<br><input type="checkbox"/> 2 Day EMERGENCY<br><input type="checkbox"/> 1 Day EMERGENCY<br><input checked="" type="checkbox"/> other: Due 6/8/2016<br>Emergency & Rush T/A data available via Lablink                                                                                                                                                                                                                                                                                                                                                      |                                |         |                                                                                                             |            |        |                                                                                         |            |        |                                                                                                                                                                                                                                                                                                         |  |
| Data Deliverable information:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                |         |                                                                                                             |            |        |                                                                                         |            |        |                                                                                                                                                                                                                                                                                                         |  |
| <input type="checkbox"/> Commercial "A" (Level 1)<br><input type="checkbox"/> Commercial "B" (Level 2)<br><input type="checkbox"/> FULL T1 (Level 3+4)<br><input type="checkbox"/> NJ Reduced<br><input type="checkbox"/> Commercial "C"<br><input type="checkbox"/> Commercial "A" = Results Only<br><input type="checkbox"/> Commercial "B" = Results + QC Summary<br><input type="checkbox"/> Commercial "C" = Results + QC Summary + Partial Raw data<br><input checked="" type="checkbox"/> NYASP Category A<br><input type="checkbox"/> NYASP Category B<br><input checked="" type="checkbox"/> State / LUNMB<br><input type="checkbox"/> EDO Format<br><input type="checkbox"/> Other |                                |         |                                                                                                             |            |        |                                                                                         |            |        |                                                                                                                                                                                                                                                                                                         |  |
| SEND TO SUMMIT<br>**PLEASE RUN MS/MSD FOR SAMPLE LB-MW7-052416, EXTRA VOLUME PROVIDED**<br>-1-Gallon Container provided with Nitric Acid preservative<br>-Samples are from "New Mexico" Groundwater samples                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                |         |                                                                                                             |            |        |                                                                                         |            |        |                                                                                                                                                                                                                                                                                                         |  |
| Sample Custody must be documented below each time samples change possession, including courier delivery.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |         |                                                                                                             |            |        |                                                                                         |            |        |                                                                                                                                                                                                                                                                                                         |  |
| Date To: 5/25<br>Received By: [Signature]<br>Date From: 5/25/16<br>Received By: [Signature]<br>Date Time: 5/25/16 9:51:4<br>Received By: [Signature]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                |         |                                                                                                             |            |        |                                                                                         |            |        |                                                                                                                                                                                                                                                                                                         |  |
| Date Time: 5/25/16 9:51:4<br>Received By: [Signature]<br>Date Time: 5/25/16 9:51:4<br>Received By: [Signature]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |         |                                                                                                             |            |        |                                                                                         |            |        |                                                                                                                                                                                                                                                                                                         |  |
| Date Time: 5/25/16 9:51:4<br>Received By: [Signature]<br>Date Time: 5/25/16 9:51:4<br>Received By: [Signature]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |         |                                                                                                             |            |        |                                                                                         |            |        |                                                                                                                                                                                                                                                                                                         |  |
| Date Time: 5/25/16 9:51:4<br>Received By: [Signature]<br>Date Time: 5/25/16 9:51:4<br>Received By: [Signature]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |         |                                                                                                             |            |        |                                                                                         |            |        |                                                                                                                                                                                                                                                                                                         |  |

### Summit Environmental Technologies, Inc. Cooler Receipt Form

Client: Accutest Initials of person inspecting cooler and samples: SC  
Order Number: \_\_\_\_\_

Date Received: 5/26/16 Time Received: 0550 Date cooler(s) opened and samples inspected: 5/26/16

Number of Coolers/Boxes: 4 N/A

Shipper: FED EX UPS DHL Airborne US Postal Walk-in Pickup Other: \_\_\_\_\_

Packaging: Peanuts Bubble Wrap Paper Foam None Other: \_\_\_\_\_

Tape on cooler/box: Y N N/A

Custody Seals intact Y N N/A

C-O-C in plastic Y N N/A

Ice X Blue ice \_\_\_\_\_ present / absent / melted N/A

Sample Temperature IR Gun #16020459 CF 0.0 °C 4.1 °C N/A

Radiological Testing Instrument serial #35127 Y N N/A  
(see page 2 for scan results)

**\*\*Use 1 sheet per sample for Radiological Testing. If sample is HOT, the Radiological Safety Officer must be notified immediately.**

C-O-C filled out properly Y N N/A

Samples in separate bags Y N N/A

Sample containers intact Y N N/A

\*If no, list broken sample(s): \_\_\_\_\_

Sample label(s) complete (ID, date, etc.) Y N N/A

Label(s) agree with C-O-C Y N N/A

Correct containers used Y N N/A

Sufficient sample received Y N N/A

Samples received within holding time Y N N/A

Bubbles absent from 40 mL vials\*\* Y N (N/A)

\*\* Samples with bubbles <6mm are acceptable. Indicate bubble size if >6mm. \_\_\_\_\_

Was client contacted about samples Y N

Will client send new samples Y N

Client contact: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Logged in by: \_\_\_\_\_

Comments: \_\_\_\_\_

**Summit Environmental Technologies, Inc.  
Sample Receipt**

**pH and Chlorine test on samples**

pH strip SET (0-14)# WC-03-0919 pH strip (2.8-4.6) SET#OES-01-0250  
 Total DPD packet SET#OES-02-0239 Free DPD packet SET#OES-01-0290  
 Disp. Pipette SET# WC-03-0510

| ID | Method | pH | Chlorine (±) | Comments |
|----|--------|----|--------------|----------|
| 1  | ✓      | 3  |              |          |
| 2  |        |    |              |          |
| 3  |        |    |              |          |
| 4  |        |    |              |          |
| 5  |        |    |              |          |
| 6  |        |    |              |          |
| 7  |        |    |              |          |
| 8  |        |    |              |          |
| 9  |        |    |              |          |
| 10 |        |    |              |          |
| 11 |        |    |              |          |
|    |        |    |              |          |
|    |        |    |              |          |
|    |        |    |              |          |
|    |        |    |              |          |
|    |        |    |              |          |
|    |        |    |              |          |
|    |        |    |              |          |
|    |        |    |              |          |

**Radiological scan on sample**

| ID | scan | CPM |
|----|------|-----|
| 1  | ✓    | 26  |
| 2  |      | 28  |
| 3  |      | 28  |
| 4  |      | 29  |
| 5  |      | 30  |
| 6  |      | 31  |
| 7  |      | 26  |
| 8  |      | 26  |
| 9  |      | 26  |
| 10 |      | 31  |
| 11 |      | 33  |
|    |      |     |
|    |      |     |
|    |      |     |
|    |      |     |
|    |      |     |
|    |      |     |
|    |      |     |
|    |      |     |

P = Permanganate interference  
 504.1, 508, 515.1, 525.2, 547, 548.1, 549.1, 531.2, 1613 methods checked for **Total** chlorine  
 552.2 checked for **Free** chlorine  
 531.2 pH is checked for ~3.8 (SET# OES-01-0250)  
 524.2 = pH and Chlorine checked at bench and not log in department

Misc. Forms

---

Custody Documents and Other Forms

---

Includes the following where applicable:

- Chain of Custody



PHOENIX

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131  
 (408) 588-0200 FAX: (408) 588-0201

808539024883

1075

FED-EX Tracking #  
 Accutest Quote #  
 Bottle Order Control #  
 Accutest NC Job #: C **045945**

| Client / Reporting Information      |                                               |         | Project Information                       |            |        |              |                             |     | Requested Analysis |       |        |         |          |           |            |             |              |               |                |  |  |  | Matrix Codes                                                                                                                                                               |  |  |  |
|-------------------------------------|-----------------------------------------------|---------|-------------------------------------------|------------|--------|--------------|-----------------------------|-----|--------------------|-------|--------|---------|----------|-----------|------------|-------------|--------------|---------------|----------------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| Company Name<br>Weston solutions    |                                               |         | Project Name: LA BAJADA                   |            |        |              |                             |     |                    |       |        |         |          |           |            |             |              |               |                |  |  |  | WW- Wastewater<br>GW- Ground Water<br>SW- Surface Water<br>SO- Soil<br>OI- Oil<br>WP- Wipe<br>LIQ- Non-aqueous Liquid<br>AIR- Air<br>DW- Drinking Water (Perchlorate Only) |  |  |  |
| Address<br>960 W. Elliot Rd. #101   |                                               |         | Street                                    |            |        |              |                             |     |                    |       |        |         |          |           |            |             |              |               |                |  |  |  |                                                                                                                                                                            |  |  |  |
| City State Zip<br>Tempe AZ 85284    |                                               |         | City State                                |            |        |              |                             |     |                    |       |        |         |          |           |            |             |              |               |                |  |  |  |                                                                                                                                                                            |  |  |  |
| Project Contact:<br>BARD WETHINGTON |                                               |         | Project #                                 |            |        |              |                             |     |                    |       |        |         |          |           |            |             |              |               |                |  |  |  |                                                                                                                                                                            |  |  |  |
| Phone #<br>480-477-4911             |                                               |         | EMAIL:<br>bwethington@westonsolutions.com |            |        |              |                             |     |                    |       |        |         |          |           |            |             |              |               |                |  |  |  |                                                                                                                                                                            |  |  |  |
| Sampler's Name<br>Greg Rousos       |                                               |         | Client Purchase Order #                   |            |        |              |                             |     |                    |       |        |         |          |           |            |             |              |               |                |  |  |  |                                                                                                                                                                            |  |  |  |
| Accutest Sample ID                  | Sample ID / Field Point / Point of Collection | Date    | Time                                      | Sampled by | Matrix | # of bottles | Number of preserved bottles |     |                    |       |        |         |          |           |            |             |              |               |                |  |  |  |                                                                                                                                                                            |  |  |  |
|                                     |                                               |         |                                           |            |        |              | 10                          | 100 | 1000               | 10000 | 100000 | 1000000 | 10000000 | 100000000 | 1000000000 | 10000000000 | 100000000000 | 1000000000000 | 10000000000000 |  |  |  |                                                                                                                                                                            |  |  |  |
| 1                                   | LB-MW1-052316                                 | 5/23/16 | 1510                                      | GR         | GW     | 4            |                             | 2   | 1                  | 1     |        |         |          |           |            |             |              |               |                |  |  |  |                                                                                                                                                                            |  |  |  |
| 2                                   | LB-MW2-052316                                 | 5/23/16 | 1605                                      | GR         | GW     | 4            |                             | 2   | 1                  | 1     |        |         |          |           |            |             |              |               |                |  |  |  |                                                                                                                                                                            |  |  |  |

Dissolved Metals  
 RA 220 + RA 228  
 TDS  
 Total PAH (Carbon A/C)  
 Bicarbonate / Hydroxide  
 Chloride / Sulfate  
 Nitrate Nitric / Nitro

Turnaround Time (Business days)  
 10 Day  
 5 Day  
 3 Day  
 2 Day  
 1 Day  
 Same Day

Approved By / Date: \_\_\_\_\_

Data Deliverable Information  
 Commercial "A" - Results only  
 Commercial "B" - Results with QC summaries  
 Commercial "B+" - Results, QC, and chromatograms  
 FULLY - Level 4 data package  
 EDF for Geotracuer  EDD Format \_\_\_\_\_  
 Provide EDF Global ID \_\_\_\_\_  
 Provide EDF Logcode: \_\_\_\_\_

Comments / Remarks

Emergency TIA data available VIA Lablink

| Sample Custody must be documented below each time samples change possession, including courier delivery. |                              |                         |   |                     |                                  |                 |                  |                     |   |                                           |
|----------------------------------------------------------------------------------------------------------|------------------------------|-------------------------|---|---------------------|----------------------------------|-----------------|------------------|---------------------|---|-------------------------------------------|
| 1                                                                                                        | Relinquished by: [Signature] | Date Time: 5/24/16 1700 | 2 | Received By: FEDEX  | Date Time: 5/25/16 0915          | 3               | Relinquished by: | Date Time:          | 4 | Received By:                              |
| 3                                                                                                        | Relinquished by:             | Date Time:              | 4 | Custody Seal # NONE | Appropriate Bottle / Pres. Y / N | Headspace Y / N | On Ice Y / N     | Cooler Temp: 4.25.2 | 5 | Separate Receiving Check List used: Y / N |

C45945X: Chain of Custody  
 Page 1 of 6



PHOENIX

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

2105 Lundy Ave, San Jose, CA 95131
(408) 588-0200 FAX: (408) 588-0201

8085 3902 4861

2 of 5 AZ 5/25

FED-EX Tracking #, Bottle Order Control #, Accutest Quote #, Accutest NC Job #: C45945

Client / Reporting Information, Project Information, Requested Analysis, Matrix Codes

Table with columns: Accutest Sample ID, Sample ID / Field Point / Point of Collection, Date, Time, Sampled by, Matrix, # of bottles, and various chemical analysis columns (RADIIUM, DISSOLVED METALS, TDS, etc.)

Turnaround Time (Business days), Approved By / Date, Data Deliverable Information, Comments / Remarks

Table for Chain of Custody with columns: Relinquished by, Date/Time, Received by, Date/Time, Relinquished by, Date/Time, Received by, Date/Time



PHOENIX

CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131  
(408) 588-0200 FAX: (408) 588-0201

8085 3902 4894

90FS  
AZ 5/125

ACCUTEST  
LABORATORIES

FED-EX Tracking #  
Accutest Quote #  
Bottle Order Control # 245945  
Accutest NC Job #: C 045945

Client / Reporting Information  
Company Name: Weston Solutions  
Address: 960 W. Elliot Rd. #101  
City: Tempe State: AZ Zip: 85284  
Project Name:  
Project Contact: BARD WETHINGTON  
Phone #: (480) 477-4911  
Sampler's Name: Greg Rousseau

Table with columns: Sample ID, Sample ID / Field Point / Point of Collection, Date, Time, Sampled by, Matrix, # of bottles, and various chemical analysis tests like DISsolved METALS, RA 226, TDS, etc.

Turnaround Time (Business days), Data Deliverable Information, Comments / Remarks

Emergency TIA data available VIA Lablink, Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by: [Signature], Received By: FROCK, Date Time: 5/12/14  
Relinquished by: [Signature], Received By: [Signature], Date Time: 7/20  
Relinquished by: [Signature], Received By: [Signature], Date Time: [Signature]  
Relinquished by: [Signature], Received By: [Signature], Date Time: [Signature]

27/3/14  
2.7/3.751

C45945X: Chain of Custody

Page 4 of 6



CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131  
 (408) 588-0200 FAX: (408) 588-0201

8085 3902 4872

5975  
AZ 5/25

FED-EX Tracking #  
 Bottle Order Control #  
 Accutest Quote #  
 Accutest NC Job #: C

C45945  
C45949

| Client / Reporting Information                              |                                               |         |      | Project Information                              |                             |              |    | Requested Analysis |    |      |       |       |      |       |         |   |   | Matrix Codes                                                                                                                                                                  |  |              |  |
|-------------------------------------------------------------|-----------------------------------------------|---------|------|--------------------------------------------------|-----------------------------|--------------|----|--------------------|----|------|-------|-------|------|-------|---------|---|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|--|
| Company Name<br><b>Weston Solutions</b>                     |                                               |         |      | Project Name<br><b>LA BAJADA</b>                 |                             |              |    |                    |    |      |       |       |      |       |         |   |   | WW- Wastewater<br>GW- Ground Water<br>SW- Surface Water<br>SO- Soil<br>CO- Oil<br>WP- Waste<br>LIQ - Non-aqueous Liquid<br>AIR - Air<br>DW- Drinking Water (Perchlorate Only) |  |              |  |
| Address<br><b>970 W. Elliot Rd #101</b>                     |                                               |         |      | Street                                           |                             |              |    |                    |    |      |       |       |      |       |         |   |   |                                                                                                                                                                               |  |              |  |
| City<br><b>Tempe</b> State<br><b>AZ</b> Zip<br><b>85284</b> |                                               |         |      | City                                             |                             |              |    |                    |    |      |       |       |      |       |         |   |   |                                                                                                                                                                               |  |              |  |
| Project Contact<br><b>Barb Wethington</b>                   |                                               |         |      | Project #                                        |                             |              |    |                    |    |      |       |       |      |       |         |   |   |                                                                                                                                                                               |  |              |  |
| Phone #<br><b>480-477-4911</b>                              |                                               |         |      | EMAIL<br><b>D.wethington@westonsolutions.com</b> |                             |              |    |                    |    |      |       |       |      |       |         |   |   |                                                                                                                                                                               |  |              |  |
| Sampler's Name<br><b>Greg Roussos</b>                       |                                               |         |      | Client Purchase Order #                          |                             |              |    |                    |    |      |       |       |      |       |         |   |   |                                                                                                                                                                               |  |              |  |
| Accutest Collection                                         |                                               |         |      |                                                  | Number of preserved Bottles |              |    |                    |    |      |       |       |      |       |         |   |   |                                                                                                                                                                               |  | LAB USE ONLY |  |
| Sample ID                                                   | Sample ID / Field Point / Point of Collection | Date    | Time | Sampled by                                       | Matrix                      | # of bottles | ED | HAZ                | HD | ECOA | NONLE | MICRO | MICH | MS/MS | DISSECT |   |   |                                                                                                                                                                               |  |              |  |
| 81                                                          | LB-MW3-052416                                 | 5/24/16 | 0813 | GR                                               | GW                          | 4            |    |                    | 2  | 1    | 1     |       |      |       |         | X | X |                                                                                                                                                                               |  |              |  |
| 92                                                          | LB-MW3-052416-D                               | 5/24/16 | 0813 | GR                                               | GW                          | 4            |    |                    | 2  | 1    | 1     |       |      |       |         | X | X |                                                                                                                                                                               |  |              |  |

DISSECTED MATRIS  
 LA 226 ← LA 228  
 TRS  
 TOTAL ANK / CARBONATE / BICARBONATE / HYDROXIDE  
 CHLORIDE / SULFATE  
 NITROGEN + NITRATE / TEN

Turnaround Time (Business days):  10 Day,  5 Day,  3 Day,  2 Day,  1 Day,  Same Day

Approved By / Date: \_\_\_\_\_

Data Deliverable Information:  
 Commercial "A" - Results only  
 Commercial "B" - Results with QC summaries  
 Commercial "D\*" - Results, QC, and chromatograms  
 FULL1 - Level 4 data package  
 EDF for Goosacker  EDF Format  
 Provide EDF Global ID: \_\_\_\_\_  
 Provide EDF Logcode: \_\_\_\_\_

Comments / Remarks

Emergency TIA data available VIA Lablink

Sample Custody must be documented below each time samples change possession, including courier delivery.

|                                                     |                       |                                         |                                             |                                           |                                         |
|-----------------------------------------------------|-----------------------|-----------------------------------------|---------------------------------------------|-------------------------------------------|-----------------------------------------|
| Relinquished by Sampler:<br>1<br><i>[Signature]</i> | Date Time:<br>5/24/16 | Received By:<br>1<br><i>[Signature]</i> | Relinquished By:<br>2<br><i>[Signature]</i> | Date Time:<br>5/25/16 09:15               | Received By:<br>2<br><i>[Signature]</i> |
| Relinquished by:<br>3<br><i>[Signature]</i>         | Date Time:<br>1700    | Received By:<br>3<br><i>[Signature]</i> | Relinquished By:<br>4                       |                                           | Received By:<br>4                       |
| Relinquished by:<br>5                               | Date Time:            | Received By:<br>5                       | Custody Seal #<br>NONE                      | Appropriate Bottle / Pres. Y / N          | Headspace Y / N                         |
|                                                     |                       |                                         | Labels match Coc? Y / N                     | Separate Receiving Check List used: Y / N | On Ice <input type="checkbox"/> N       |
|                                                     |                       |                                         |                                             |                                           | Cooler Temp.<br>5.1/6.1 °C              |

C45945X: Chain of Custody

## SGS Accutest Sample Receipt Summary

**Job Number:** C45945

**Client:** WESTON SOLUTIONS

**Project:** LA BAJADA

**Date / Time Received:** 5/25/2016 9:15:00 AM

**Delivery Method:** FedEx

**Airbill #s:** 808539024883

**Cooler Temps (Initial/Adjusted):** #1: (4.2/5.2); #2: (4.2/5.2); #3: (3.5/4.5); #4: (2.9/3.9); #5: (2.7/3.7); #6: (5.1/6.1);

**Cooler Security**

- |                           | <u>Y or N</u>            |                                     |                       | <u>Y or N</u>                       |                          |
|---------------------------|--------------------------|-------------------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | 3. COC Present:       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input type="checkbox"/> | <input type="checkbox"/>            | 4. SmpI Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

**Cooler Temperature**

- |                            | <u>Y or N</u>                       |                          |
|----------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Therm ID:               | <u>IR3; IR3;</u>                    |                          |
| 3. Cooler media:           | <u>Ice (Bag)</u>                    |                          |
| 4. No. Coolers:            | <u>1</u>                            |                          |

**Quality Control Preservation**

- |                                 | <u>Y</u>                            | <u>or</u> | <u>N</u>                 | <u>N/A</u>                          |
|---------------------------------|-------------------------------------|-----------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/>            |           | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC:    | <input type="checkbox"/>            |           | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |                                     |
| 4. VOCs headspace free:         | <input type="checkbox"/>            |           | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**Sample Integrity - Documentation**

- |                                        | <u>Y</u>                            | <u>or</u> | <u>N</u>                 |
|----------------------------------------|-------------------------------------|-----------|--------------------------|
| 1. Sample labels present on bottles:   | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |

**Sample Integrity - Condition**

- |                                  | <u>Y</u>                            | <u>or</u> | <u>N</u>                 |
|----------------------------------|-------------------------------------|-----------|--------------------------|
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 3. Condition of sample:          | <u>Intact</u>                       |           |                          |

**Sample Integrity - Instructions**

- |                                           | <u>Y</u>                            | <u>or</u> | <u>N</u>                            | <u>N/A</u>                          |
|-------------------------------------------|-------------------------------------|-----------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            |           | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            |           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            |           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Comments

**C45945X: Chain of Custody**

Page 6 of 6

### Technical Report for

Weston Solutions, Inc.

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

12767.201.001.0020

SGS Accutest Job Number: TC93635

Sampling Dates: 10/18/16 - 10/19/16



Report to:

Weston Solutions, Inc.  
960 West Elliot Road Suite 101  
Tempe, AZ 85284  
b.wethington@westonsolutions.com

ATTN: Barbara Wethington

Total number of pages in report: **59**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Richard Rodriguez  
Laboratory Director

Client Service contact: Elvin Kumar 713-271-4700

Certifications: TX (T104704220-16-25) AR (14-016-0) AZ (AZ0769) FL (E87628)  
KS (E-10366) LA (85695/04004) NJ (TX010) OK (2014-172) VA (7654)

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Test results relate only to samples analyzed.

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## Sample Summary

Weston Solutions, Inc.

**Job No:** TC93635

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
 Project No: 12767.201.001.0020

| Sample Number | Collected |          | Matrix Received | Code | Type                 | Client Sample ID |
|---------------|-----------|----------|-----------------|------|----------------------|------------------|
|               | Date      | Time By  |                 |      |                      |                  |
| TC93635-1     | 10/18/16  | 15:30 GR | 10/20/16        | AQ   | Ground Water         | LB-SW1-101816    |
| TC93635-1F    | 10/18/16  | 15:30 GR | 10/20/16        | AQ   | Groundwater Filtered | LB-SW1-101816    |
| TC93635-2     | 10/18/16  | 14:27 GR | 10/20/16        | AQ   | Ground Water         | LB-SW2-101816    |
| TC93635-2F    | 10/18/16  | 14:27 GR | 10/20/16        | AQ   | Groundwater Filtered | LB-SW2-101816    |
| TC93635-3     | 10/18/16  | 16:50 GR | 10/20/16        | AQ   | Ground Water         | LB-MW1-101816    |
| TC93635-3F    | 10/18/16  | 16:50 GR | 10/20/16        | AQ   | Groundwater Filtered | LB-MW1-101816    |
| TC93635-4     | 10/19/16  | 09:25 GR | 10/20/16        | AQ   | Ground Water         | LB-MW2-101916    |
| TC93635-4F    | 10/19/16  | 09:25 GR | 10/20/16        | AQ   | Groundwater Filtered | LB-MW2-101916    |
| TC93635-5     | 10/19/16  | 10:55 GR | 10/20/16        | AQ   | Ground Water         | LB-MW3-101916    |
| TC93635-5F    | 10/19/16  | 10:55 GR | 10/20/16        | AQ   | Groundwater Filtered | LB-MW3-101916    |
| TC93635-6     | 10/19/16  | 10:55 GR | 10/20/16        | AQ   | Ground Water         | LB-MW3-101916-D  |
| TC93635-6F    | 10/19/16  | 10:55 GR | 10/20/16        | AQ   | Groundwater Filtered | LB-MW3-101916-D  |
| TC93635-7     | 10/19/16  | 12:55 GR | 10/20/16        | AQ   | Ground Water         | LB-MW5-101916    |



### Sample Summary

(continued)

Weston Solutions, Inc.

**Job No:** TC93635

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
 Project No: 12767.201.001.0020

| Sample Number | Collected |          | Matrix Received | Code | Type                 | Client Sample ID |
|---------------|-----------|----------|-----------------|------|----------------------|------------------|
|               | Date      | Time By  |                 |      |                      |                  |
| TC93635-7F    | 10/19/16  | 12:55 GR | 10/20/16        | AQ   | Groundwater Filtered | LB-MW5-101916    |
| TC93635-8     | 10/19/16  | 13:55 GR | 10/20/16        | AQ   | Equipment Blank      | LB-EB1-101916    |
| TC93635-8F    | 10/19/16  | 13:55 GR | 10/20/16        | AQ   | Equip Blank Filtered | LB-EB1-101916    |
| TC93635-9     | 10/19/16  | 14:35 GR | 10/20/16        | AQ   | Ground Water         | LB-MW4-101916    |
| TC93635-9F    | 10/19/16  | 14:35 GR | 10/20/16        | AQ   | Groundwater Filtered | LB-MW4-101916    |
| TC93635-10    | 10/19/16  | 15:40 GR | 10/20/16        | AQ   | Ground Water         | LB-MW7-101916    |
| TC93635-10D   | 10/19/16  | 15:40 GR | 10/20/16        | AQ   | Water Dup/MSD        | LB-MW7-101916    |
| TC93635-10F   | 10/19/16  | 15:40 GR | 10/20/16        | AQ   | Groundwater Filtered | LB-MW7-101916    |
| TC93635-10FD  | 10/19/16  | 15:40 GR | 10/20/16        | AQ   | Water Dup/MSD        | LB-MW7-101916    |
| TC93635-10FS  | 10/19/16  | 15:40 GR | 10/20/16        | AQ   | Water Matrix Spike   | LB-MW7-101916    |
| TC93635-10S   | 10/19/16  | 15:40 GR | 10/20/16        | AQ   | Water Matrix Spike   | LB-MW7-101916    |

## Summary of Hits

**Job Number:** TC93635  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 10/18/16 thru 10/19/16

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

**TC93635-1 LB-SW1-101816**

|                             |       |      |       |      |               |
|-----------------------------|-------|------|-------|------|---------------|
| Alkalinity, Bicarbonate     | 138   | 5.0  | 0.66  | mg/l | SM 4500 CO2 D |
| Alkalinity, Carbonate       | 29.0  | 5.0  | 0.66  | mg/l | SM18 2320B    |
| Alkalinity, Total as CaCO3  | 168   | 5.0  | 3.5   | mg/l | SM 2320B-2011 |
| Chloride                    | 73.4  | 2.5  | 1.5   | mg/l | EPA 300       |
| Hydroxide Alkalinity        | 1.1 J | 5.0  | 0.66  | mg/l | SM18 4500CO2D |
| Nitrogen, Nitrate + Nitrite | 1.1   | 0.10 | 0.020 | mg/l | EPA 353.2     |
| Nitrogen, Total Kjeldahl    | 0.38  | 0.20 | 0.10  | mg/l | EPA 351.2     |
| Solids, Total Dissolved     | 436   | 10   | 3.0   | mg/l | SM 2540C-2011 |
| Sulfate                     | 59.9  | 3.0  | 2.9   | mg/l | EPA 300       |

**TC93635-1F LB-SW1-101816**

|                         |          |        |         |      |           |
|-------------------------|----------|--------|---------|------|-----------|
| Aluminum <sup>a</sup>   | 0.0420 J | 0.10   | 0.024   | mg/l | EPA 200.7 |
| Arsenic <sup>a</sup>    | 0.0040 J | 0.010  | 0.0032  | mg/l | EPA 200.7 |
| Barium <sup>a</sup>     | 0.0996   | 0.010  | 0.00090 | mg/l | EPA 200.7 |
| Boron <sup>a</sup>      | 0.249    | 0.10   | 0.0037  | mg/l | EPA 200.7 |
| Calcium <sup>a</sup>    | 63.2     | 0.10   | 0.011   | mg/l | EPA 200.7 |
| Cobalt <sup>a</sup>     | 0.0012 J | 0.010  | 0.00070 | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     | 0.0051 J | 0.010  | 0.0029  | mg/l | EPA 200.7 |
| Magnesium <sup>a</sup>  | 9.67     | 0.10   | 0.039   | mg/l | EPA 200.7 |
| Manganese <sup>a</sup>  | 0.0130   | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> | 0.0057 J | 0.010  | 0.00070 | mg/l | EPA 200.7 |
| Nickel <sup>a</sup>     | 0.0043 J | 0.010  | 0.0012  | mg/l | EPA 200.7 |
| Potassium <sup>a</sup>  | 22.9     | 0.50   | 0.033   | mg/l | EPA 200.7 |
| Silver <sup>a</sup>     | 0.0014 J | 0.010  | 0.0010  | mg/l | EPA 200.7 |
| Sodium <sup>a</sup>     | 82.3     | 0.50   | 0.072   | mg/l | EPA 200.7 |
| Strontium <sup>a</sup>  | 0.371    | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Thallium <sup>a</sup>   | 0.0025 J | 0.0050 | 0.0025  | mg/l | EPA 200.7 |
| Uranium <sup>a</sup>    | 0.0016   | 0.0010 | 0.00023 | mg/l | EPA 200.8 |
| Vanadium <sup>a</sup>   | 0.0064 J | 0.010  | 0.0016  | mg/l | EPA 200.7 |
| Zinc <sup>a</sup>       | 0.0540   | 0.020  | 0.0040  | mg/l | EPA 200.7 |

**TC93635-2 LB-SW2-101816**

|                             |        |      |       |      |               |
|-----------------------------|--------|------|-------|------|---------------|
| Alkalinity, Bicarbonate     | 148    | 5.0  | 0.66  | mg/l | SM 4500 CO2 D |
| Alkalinity, Carbonate       | 14.3   | 5.0  | 0.66  | mg/l | SM18 2320B    |
| Alkalinity, Total as CaCO3  | 163    | 5.0  | 3.5   | mg/l | SM 2320B-2011 |
| Chloride                    | 68.3   | 2.5  | 1.5   | mg/l | EPA 300       |
| Nitrogen, Nitrate + Nitrite | 1.1    | 0.10 | 0.020 | mg/l | EPA 353.2     |
| Nitrogen, Total Kjeldahl    | 0.17 J | 0.20 | 0.10  | mg/l | EPA 351.2     |
| Solids, Total Dissolved     | 430    | 10   | 3.0   | mg/l | SM 2540C-2011 |
| Sulfate                     | 55.6   | 3.0  | 2.9   | mg/l | EPA 300       |

## Summary of Hits

**Job Number:** TC93635  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 10/18/16 thru 10/19/16

2

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

**TC93635-2F LB-SW2-101816**

|                         |          |        |         |      |           |
|-------------------------|----------|--------|---------|------|-----------|
| Aluminum <sup>a</sup>   | 0.0431 J | 0.10   | 0.024   | mg/l | EPA 200.7 |
| Arsenic <sup>a</sup>    | 0.0040 J | 0.010  | 0.0032  | mg/l | EPA 200.7 |
| Barium <sup>a</sup>     | 0.105    | 0.010  | 0.00090 | mg/l | EPA 200.7 |
| Boron <sup>a</sup>      | 0.240    | 0.10   | 0.0037  | mg/l | EPA 200.7 |
| Calcium <sup>a</sup>    | 63.7     | 0.10   | 0.011   | mg/l | EPA 200.7 |
| Cobalt <sup>a</sup>     | 0.0015 J | 0.010  | 0.00070 | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     | 0.0050 J | 0.010  | 0.0029  | mg/l | EPA 200.7 |
| Magnesium <sup>a</sup>  | 9.93     | 0.10   | 0.039   | mg/l | EPA 200.7 |
| Manganese <sup>a</sup>  | 0.0109   | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> | 0.0053 J | 0.010  | 0.00070 | mg/l | EPA 200.7 |
| Nickel <sup>a</sup>     | 0.0043 J | 0.010  | 0.0012  | mg/l | EPA 200.7 |
| Potassium <sup>a</sup>  | 22.0     | 0.50   | 0.033   | mg/l | EPA 200.7 |
| Silver <sup>a</sup>     | 0.0012 J | 0.010  | 0.0010  | mg/l | EPA 200.7 |
| Sodium <sup>a</sup>     | 80.7     | 0.50   | 0.072   | mg/l | EPA 200.7 |
| Strontium <sup>a</sup>  | 0.379    | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Uranium <sup>a</sup>    | 0.0018   | 0.0010 | 0.00023 | mg/l | EPA 200.8 |
| Vanadium <sup>a</sup>   | 0.0060 J | 0.010  | 0.0016  | mg/l | EPA 200.7 |
| Zinc <sup>a</sup>       | 0.0415   | 0.020  | 0.0040  | mg/l | EPA 200.7 |

**TC93635-3 LB-MW1-101816**

|                             |         |      |       |      |               |
|-----------------------------|---------|------|-------|------|---------------|
| Alkalinity, Bicarbonate     | 259     | 5.0  | 0.66  | mg/l | SM 4500 CO2 D |
| Alkalinity, Carbonate       | 1.0 J   | 5.0  | 0.66  | mg/l | SM18 2320B    |
| Alkalinity, Total as CaCO3  | 260     | 5.0  | 3.5   | mg/l | SM 2320B-2011 |
| Chloride                    | 72.1    | 2.5  | 1.5   | mg/l | EPA 300       |
| Nitrogen, Nitrate + Nitrite | 0.049 J | 0.10 | 0.020 | mg/l | EPA 353.2     |
| Solids, Total Dissolved     | 552     | 10   | 3.0   | mg/l | SM 2540C-2011 |
| Sulfate                     | 66.6    | 3.0  | 2.9   | mg/l | EPA 300       |

**TC93635-3F LB-MW1-101816**

|                         |          |       |         |      |           |
|-------------------------|----------|-------|---------|------|-----------|
| Arsenic <sup>a</sup>    | 0.0077 J | 0.010 | 0.0032  | mg/l | EPA 200.7 |
| Barium <sup>a</sup>     | 0.0673   | 0.010 | 0.00090 | mg/l | EPA 200.7 |
| Boron <sup>a</sup>      | 0.255    | 0.10  | 0.0037  | mg/l | EPA 200.7 |
| Calcium <sup>a</sup>    | 87.5     | 0.10  | 0.011   | mg/l | EPA 200.7 |
| Cobalt <sup>a</sup>     | 0.0019 J | 0.010 | 0.00070 | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     | 0.0118   | 0.010 | 0.0029  | mg/l | EPA 200.7 |
| Magnesium <sup>a</sup>  | 18.3     | 0.10  | 0.039   | mg/l | EPA 200.7 |
| Manganese <sup>a</sup>  | 0.0318   | 0.010 | 0.00060 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> | 0.0029 J | 0.010 | 0.00070 | mg/l | EPA 200.7 |
| Nickel <sup>a</sup>     | 0.0083 J | 0.010 | 0.0012  | mg/l | EPA 200.7 |
| Potassium <sup>a</sup>  | 9.25     | 0.50  | 0.033   | mg/l | EPA 200.7 |
| Silver <sup>a</sup>     | 0.0010 J | 0.010 | 0.0010  | mg/l | EPA 200.7 |

## Summary of Hits

**Job Number:** TC93635  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 10/18/16 thru 10/19/16

| Lab Sample ID | Client Sample ID | Result/<br>Analyte | RL | MDL | Units | Method |
|---------------|------------------|--------------------|----|-----|-------|--------|
|---------------|------------------|--------------------|----|-----|-------|--------|

|                        |  |          |        |         |      |           |
|------------------------|--|----------|--------|---------|------|-----------|
| Sodium <sup>a</sup>    |  | 107      | 0.50   | 0.072   | mg/l | EPA 200.7 |
| Strontium <sup>a</sup> |  | 0.682    | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Uranium <sup>a</sup>   |  | 0.0032   | 0.0010 | 0.00023 | mg/l | EPA 200.8 |
| Vanadium <sup>a</sup>  |  | 0.0070 J | 0.010  | 0.0016  | mg/l | EPA 200.7 |
| Zinc <sup>a</sup>      |  | 0.0048 J | 0.020  | 0.0040  | mg/l | EPA 200.7 |

### TC93635-4 LB-MW2-101916

|                             |  |       |      |       |      |               |
|-----------------------------|--|-------|------|-------|------|---------------|
| Alkalinity, Bicarbonate     |  | 244   | 5.0  | 0.66  | mg/l | SM 4500 CO2 D |
| Alkalinity, Carbonate       |  | 1.1 J | 5.0  | 0.66  | mg/l | SM18 2320B    |
| Alkalinity, Total as CaCO3  |  | 245   | 5.0  | 3.5   | mg/l | SM 2320B-2011 |
| Chloride                    |  | 29.3  | 2.5  | 1.5   | mg/l | EPA 300       |
| Nitrogen, Nitrate + Nitrite |  | 0.20  | 0.10 | 0.020 | mg/l | EPA 353.2     |
| Solids, Total Dissolved     |  | 497   | 10   | 3.0   | mg/l | SM 2540C-2011 |
| Sulfate                     |  | 81.8  | 3.0  | 2.9   | mg/l | EPA 300       |

### TC93635-4F LB-MW2-101916

|                         |  |          |        |         |      |           |
|-------------------------|--|----------|--------|---------|------|-----------|
| Aluminum <sup>a</sup>   |  | 0.351    | 0.10   | 0.024   | mg/l | EPA 200.7 |
| Arsenic <sup>a</sup>    |  | 0.0392   | 0.010  | 0.0032  | mg/l | EPA 200.7 |
| Barium <sup>a</sup>     |  | 0.0770   | 0.010  | 0.00090 | mg/l | EPA 200.7 |
| Boron <sup>a</sup>      |  | 0.208    | 0.10   | 0.0037  | mg/l | EPA 200.7 |
| Calcium <sup>a</sup>    |  | 140      | 0.10   | 0.011   | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     |  | 0.0042 J | 0.010  | 0.0029  | mg/l | EPA 200.7 |
| Magnesium <sup>a</sup>  |  | 19.0     | 0.10   | 0.039   | mg/l | EPA 200.7 |
| Manganese <sup>a</sup>  |  | 0.0056 J | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> |  | 0.0301   | 0.010  | 0.00070 | mg/l | EPA 200.7 |
| Nickel <sup>a</sup>     |  | 0.0042 J | 0.010  | 0.0012  | mg/l | EPA 200.7 |
| Potassium <sup>a</sup>  |  | 24.5     | 0.50   | 0.033   | mg/l | EPA 200.7 |
| Silver <sup>a</sup>     |  | 0.0011 J | 0.010  | 0.0010  | mg/l | EPA 200.7 |
| Sodium <sup>a</sup>     |  | 105      | 0.50   | 0.072   | mg/l | EPA 200.7 |
| Strontium <sup>a</sup>  |  | 0.760    | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Uranium <sup>a</sup>    |  | 0.0061   | 0.0010 | 0.00023 | mg/l | EPA 200.8 |
| Vanadium <sup>a</sup>   |  | 0.0094 J | 0.010  | 0.0016  | mg/l | EPA 200.7 |
| Zinc <sup>a</sup>       |  | 0.0129 J | 0.020  | 0.0040  | mg/l | EPA 200.7 |

### TC93635-5 LB-MW3-101916

|                            |  |       |     |      |      |               |
|----------------------------|--|-------|-----|------|------|---------------|
| Alkalinity, Bicarbonate    |  | 496   | 5.0 | 0.66 | mg/l | SM 4500 CO2 D |
| Alkalinity, Carbonate      |  | 4.5 J | 5.0 | 0.66 | mg/l | SM18 2320B    |
| Alkalinity, Total as CaCO3 |  | 500   | 5.0 | 3.5  | mg/l | SM 2320B-2011 |
| Chloride                   |  | 29.5  | 2.5 | 1.5  | mg/l | EPA 300       |
| Solids, Total Dissolved    |  | 1670  | 10  | 3.0  | mg/l | SM 2540C-2011 |
| Sulfate                    |  | 766   | 60  | 57   | mg/l | EPA 300       |

## Summary of Hits

**Job Number:** TC93635  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 10/18/16 thru 10/19/16

2

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

**TC93635-5F LB-MW3-101916**

|                         |          |        |         |      |           |
|-------------------------|----------|--------|---------|------|-----------|
| Aluminum <sup>a</sup>   | 0.0259 J | 0.10   | 0.024   | mg/l | EPA 200.7 |
| Arsenic <sup>a</sup>    | 0.0036 J | 0.010  | 0.0032  | mg/l | EPA 200.7 |
| Barium <sup>a</sup>     | 0.0522   | 0.010  | 0.00090 | mg/l | EPA 200.7 |
| Boron <sup>a</sup>      | 0.340    | 0.10   | 0.0037  | mg/l | EPA 200.7 |
| Calcium <sup>a</sup>    | 263      | 0.10   | 0.011   | mg/l | EPA 200.7 |
| Cobalt <sup>a</sup>     | 0.0062 J | 0.010  | 0.00070 | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     | 0.0029 J | 0.010  | 0.0029  | mg/l | EPA 200.7 |
| Magnesium <sup>a</sup>  | 128      | 0.10   | 0.039   | mg/l | EPA 200.7 |
| Manganese <sup>a</sup>  | 0.862    | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> | 0.0135   | 0.010  | 0.00070 | mg/l | EPA 200.7 |
| Nickel <sup>a</sup>     | 0.0648   | 0.010  | 0.0012  | mg/l | EPA 200.7 |
| Potassium <sup>a</sup>  | 24.6     | 0.50   | 0.033   | mg/l | EPA 200.7 |
| Sodium <sup>a</sup>     | 152      | 0.50   | 0.072   | mg/l | EPA 200.7 |
| Strontium <sup>a</sup>  | 2.09     | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Uranium <sup>a</sup>    | 0.291    | 0.0010 | 0.00023 | mg/l | EPA 200.8 |
| Zinc <sup>a</sup>       | 0.0052 J | 0.020  | 0.0040  | mg/l | EPA 200.7 |

**TC93635-6 LB-MW3-101916-D**

|                            |       |     |      |      |               |
|----------------------------|-------|-----|------|------|---------------|
| Alkalinity, Bicarbonate    | 489   | 5.0 | 0.66 | mg/l | SM 4500 CO2 D |
| Alkalinity, Carbonate      | 1.5 J | 5.0 | 0.66 | mg/l | SM18 2320B    |
| Alkalinity, Total as CaCO3 | 490   | 5.0 | 3.5  | mg/l | SM 2320B-2011 |
| Chloride                   | 34.2  | 2.5 | 1.5  | mg/l | EPA 300       |
| Solids, Total Dissolved    | 1640  | 10  | 3.0  | mg/l | SM 2540C-2011 |
| Sulfate                    | 764   | 60  | 57   | mg/l | EPA 300       |

**TC93635-6F LB-MW3-101916-D**

|                         |          |        |         |      |           |
|-------------------------|----------|--------|---------|------|-----------|
| Aluminum <sup>a</sup>   | 0.179    | 0.10   | 0.024   | mg/l | EPA 200.7 |
| Barium <sup>a</sup>     | 0.0524   | 0.010  | 0.00090 | mg/l | EPA 200.7 |
| Boron <sup>a</sup>      | 0.335    | 0.10   | 0.0037  | mg/l | EPA 200.7 |
| Calcium <sup>a</sup>    | 262      | 0.10   | 0.011   | mg/l | EPA 200.7 |
| Cobalt <sup>a</sup>     | 0.0064 J | 0.010  | 0.00070 | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     | 0.0051 J | 0.010  | 0.0029  | mg/l | EPA 200.7 |
| Magnesium <sup>a</sup>  | 127      | 0.10   | 0.039   | mg/l | EPA 200.7 |
| Manganese <sup>a</sup>  | 0.850    | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> | 0.0131   | 0.010  | 0.00070 | mg/l | EPA 200.7 |
| Nickel <sup>a</sup>     | 0.0636   | 0.010  | 0.0012  | mg/l | EPA 200.7 |
| Potassium <sup>a</sup>  | 24.8     | 0.50   | 0.033   | mg/l | EPA 200.7 |
| Sodium <sup>a</sup>     | 152      | 0.50   | 0.072   | mg/l | EPA 200.7 |
| Strontium <sup>a</sup>  | 2.11     | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Uranium <sup>a</sup>    | 0.279    | 0.0010 | 0.00023 | mg/l | EPA 200.8 |
| Zinc <sup>a</sup>       | 0.0082 J | 0.020  | 0.0040  | mg/l | EPA 200.7 |

## Summary of Hits

**Job Number:** TC93635  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 10/18/16 thru 10/19/16

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

**TC93635-7 LB-MW5-101916**

|                             |        |      |       |      |               |
|-----------------------------|--------|------|-------|------|---------------|
| Alkalinity, Bicarbonate     | 274    | 5.0  | 0.66  | mg/l | SM 4500 CO2 D |
| Alkalinity, Carbonate       | 0.94 J | 5.0  | 0.66  | mg/l | SM18 2320B    |
| Alkalinity, Total as CaCO3  | 275    | 5.0  | 3.5   | mg/l | SM 2320B-2011 |
| Chloride                    | 69.8   | 2.5  | 1.5   | mg/l | EPA 300       |
| Nitrogen, Nitrate + Nitrite | 0.21   | 0.10 | 0.020 | mg/l | EPA 353.2     |
| Solids, Total Dissolved     | 489    | 10   | 3.0   | mg/l | SM 2540C-2011 |
| Sulfate                     | 67.6   | 3.0  | 2.9   | mg/l | EPA 300       |

**TC93635-7F LB-MW5-101916**

|                         |          |        |         |      |           |
|-------------------------|----------|--------|---------|------|-----------|
| Arsenic <sup>a</sup>    | 0.0109   | 0.010  | 0.0032  | mg/l | EPA 200.7 |
| Barium <sup>a</sup>     | 0.0392   | 0.010  | 0.00090 | mg/l | EPA 200.7 |
| Boron <sup>a</sup>      | 0.245    | 0.10   | 0.0037  | mg/l | EPA 200.7 |
| Calcium <sup>a</sup>    | 89.1     | 0.10   | 0.011   | mg/l | EPA 200.7 |
| Cobalt <sup>a</sup>     | 0.0012 J | 0.010  | 0.00070 | mg/l | EPA 200.7 |
| Magnesium <sup>a</sup>  | 22.3     | 0.10   | 0.039   | mg/l | EPA 200.7 |
| Manganese <sup>a</sup>  | 1.29     | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> | 0.0126   | 0.010  | 0.00070 | mg/l | EPA 200.7 |
| Nickel <sup>a</sup>     | 0.0082 J | 0.010  | 0.0012  | mg/l | EPA 200.7 |
| Potassium <sup>a</sup>  | 11.5     | 0.50   | 0.033   | mg/l | EPA 200.7 |
| Sodium <sup>a</sup>     | 93.8     | 0.50   | 0.072   | mg/l | EPA 200.7 |
| Strontium <sup>a</sup>  | 0.753    | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Uranium <sup>a</sup>    | 0.0110   | 0.0010 | 0.00023 | mg/l | EPA 200.8 |

**TC93635-8F LB-EB1-101916**

|                        |           |       |         |      |           |
|------------------------|-----------|-------|---------|------|-----------|
| Barium <sup>a</sup>    | 0.0033 J  | 0.010 | 0.00090 | mg/l | EPA 200.7 |
| Boron <sup>a</sup>     | 0.0121 J  | 0.10  | 0.0037  | mg/l | EPA 200.7 |
| Calcium <sup>a</sup>   | 3.60      | 0.10  | 0.011   | mg/l | EPA 200.7 |
| Cobalt <sup>a</sup>    | 0.00075 J | 0.010 | 0.00070 | mg/l | EPA 200.7 |
| Magnesium <sup>a</sup> | 0.594     | 0.10  | 0.039   | mg/l | EPA 200.7 |
| Manganese <sup>a</sup> | 0.0019 J  | 0.010 | 0.00060 | mg/l | EPA 200.7 |
| Potassium <sup>a</sup> | 0.368 J   | 0.50  | 0.033   | mg/l | EPA 200.7 |
| Sodium <sup>a</sup>    | 3.85      | 0.50  | 0.072   | mg/l | EPA 200.7 |
| Strontium <sup>a</sup> | 0.0246    | 0.010 | 0.00060 | mg/l | EPA 200.7 |

**TC93635-9 LB-MW4-101916**

|                             |      |      |       |      |               |
|-----------------------------|------|------|-------|------|---------------|
| Alkalinity, Bicarbonate     | 290  | 5.0  | 0.66  | mg/l | SM 4500 CO2 D |
| Alkalinity, Total as CaCO3  | 290  | 5.0  | 3.5   | mg/l | SM 2320B-2011 |
| Chloride                    | 61.9 | 2.5  | 1.5   | mg/l | EPA 300       |
| Nitrogen, Nitrate + Nitrite | 0.19 | 0.10 | 0.020 | mg/l | EPA 353.2     |

## Summary of Hits

**Job Number:** TC93635  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 10/18/16 thru 10/19/16

| Lab Sample ID | Client Sample ID | Result/<br>Qual | RL | MDL | Units | Method |
|---------------|------------------|-----------------|----|-----|-------|--------|
|---------------|------------------|-----------------|----|-----|-------|--------|

|                         |  |     |    |     |      |               |
|-------------------------|--|-----|----|-----|------|---------------|
| Solids, Total Dissolved |  | 749 | 10 | 3.0 | mg/l | SM 2540C-2011 |
| Sulfate                 |  | 225 | 12 | 11  | mg/l | EPA 300       |

### TC93635-9F LB-MW4-101916

|                         |  |          |        |         |      |           |
|-------------------------|--|----------|--------|---------|------|-----------|
| Aluminum <sup>a</sup>   |  | 0.499    | 0.10   | 0.024   | mg/l | EPA 200.7 |
| Arsenic <sup>a</sup>    |  | 0.0100   | 0.010  | 0.0032  | mg/l | EPA 200.7 |
| Barium <sup>a</sup>     |  | 0.114    | 0.010  | 0.00090 | mg/l | EPA 200.7 |
| Boron <sup>a</sup>      |  | 0.232    | 0.10   | 0.0037  | mg/l | EPA 200.7 |
| Calcium <sup>a</sup>    |  | 130      | 0.10   | 0.011   | mg/l | EPA 200.7 |
| Cobalt <sup>a</sup>     |  | 0.0020 J | 0.010  | 0.00070 | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     |  | 0.0145   | 0.010  | 0.0029  | mg/l | EPA 200.7 |
| Magnesium <sup>a</sup>  |  | 42.0     | 0.10   | 0.039   | mg/l | EPA 200.7 |
| Manganese <sup>a</sup>  |  | 0.0133   | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> |  | 0.0064 J | 0.010  | 0.00070 | mg/l | EPA 200.7 |
| Nickel <sup>a</sup>     |  | 0.0105   | 0.010  | 0.0012  | mg/l | EPA 200.7 |
| Potassium <sup>a</sup>  |  | 13.1     | 0.50   | 0.033   | mg/l | EPA 200.7 |
| Sodium <sup>a</sup>     |  | 108      | 0.50   | 0.072   | mg/l | EPA 200.7 |
| Strontium <sup>a</sup>  |  | 0.963    | 0.010  | 0.00060 | mg/l | EPA 200.7 |
| Thallium <sup>a</sup>   |  | 0.0045 J | 0.0050 | 0.0025  | mg/l | EPA 200.7 |
| Uranium <sup>a</sup>    |  | 0.0956   | 0.0010 | 0.00023 | mg/l | EPA 200.8 |
| Vanadium <sup>a</sup>   |  | 0.0088 J | 0.010  | 0.0016  | mg/l | EPA 200.7 |
| Zinc <sup>a</sup>       |  | 0.0062 J | 0.020  | 0.0040  | mg/l | EPA 200.7 |

### TC93635-10 LB-MW7-101916

|                             |  |      |      |       |      |               |
|-----------------------------|--|------|------|-------|------|---------------|
| Alkalinity, Bicarbonate     |  | 250  | 5.0  | 0.66  | mg/l | SM 4500 CO2 D |
| Alkalinity, Total as CaCO3  |  | 250  | 5.0  | 3.5   | mg/l | SM 2320B-2011 |
| Chloride                    |  | 62.9 | 5.0  | 3.0   | mg/l | EPA 300       |
| Nitrogen, Nitrate + Nitrite |  | 0.19 | 0.10 | 0.020 | mg/l | EPA 353.2     |
| Solids, Total Dissolved     |  | 500  | 10   | 3.0   | mg/l | SM 2540C-2011 |
| Sulfate                     |  | 68.2 | 6.0  | 5.7   | mg/l | EPA 300       |

### TC93635-10F LB-MW7-101916

|                         |  |           |       |         |      |           |
|-------------------------|--|-----------|-------|---------|------|-----------|
| Aluminum <sup>a</sup>   |  | 0.0535 J  | 0.10  | 0.024   | mg/l | EPA 200.7 |
| Arsenic <sup>a</sup>    |  | 0.0095 J  | 0.010 | 0.0032  | mg/l | EPA 200.7 |
| Barium <sup>a</sup>     |  | 0.0546    | 0.010 | 0.00090 | mg/l | EPA 200.7 |
| Boron <sup>a</sup>      |  | 0.227     | 0.10  | 0.0037  | mg/l | EPA 200.7 |
| Calcium <sup>a</sup>    |  | 84.9      | 0.10  | 0.011   | mg/l | EPA 200.7 |
| Cobalt <sup>a</sup>     |  | 0.00093 J | 0.010 | 0.00070 | mg/l | EPA 200.7 |
| Copper <sup>a</sup>     |  | 0.0044 J  | 0.010 | 0.0029  | mg/l | EPA 200.7 |
| Magnesium <sup>a</sup>  |  | 19.3      | 0.10  | 0.039   | mg/l | EPA 200.7 |
| Manganese <sup>a</sup>  |  | 0.0018 J  | 0.010 | 0.00060 | mg/l | EPA 200.7 |
| Molybdenum <sup>a</sup> |  | 0.0061 J  | 0.010 | 0.00070 | mg/l | EPA 200.7 |

## Summary of Hits

**Job Number:** TC93635  
**Account:** Weston Solutions, Inc.  
**Project:** La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
**Collected:** 10/18/16 thru 10/19/16

| Lab Sample ID          | Client Sample ID | Result/<br>Qual | RL     | MDL     | Units | Method    |
|------------------------|------------------|-----------------|--------|---------|-------|-----------|
| Nickel <sup>a</sup>    |                  | 0.0060 J        | 0.010  | 0.0012  | mg/l  | EPA 200.7 |
| Potassium <sup>a</sup> |                  | 8.84            | 0.50   | 0.033   | mg/l  | EPA 200.7 |
| Sodium <sup>a</sup>    |                  | 105             | 0.50   | 0.072   | mg/l  | EPA 200.7 |
| Strontium <sup>a</sup> |                  | 0.619           | 0.010  | 0.00060 | mg/l  | EPA 200.7 |
| Thallium <sup>a</sup>  |                  | 0.0025 J        | 0.0050 | 0.0025  | mg/l  | EPA 200.7 |
| Uranium <sup>a</sup>   |                  | 0.0142          | 0.0010 | 0.00023 | mg/l  | EPA 200.8 |
| Vanadium <sup>a</sup>  |                  | 0.0121          | 0.010  | 0.0016  | mg/l  | EPA 200.7 |
| Zinc <sup>a</sup>      |                  | 0.0044 J        | 0.020  | 0.0040  | mg/l  | EPA 200.7 |

(a) Analysis performed at SGS Accutest, Lafayette, LA.

Sample Results

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Report of Analysis

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# Report of Analysis

31  
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|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW1-101816                                        | <b>Date Sampled:</b> 10/18/16  |
| <b>Lab Sample ID:</b> TC93635-1                                               | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## General Chemistry

| Analyte                     | Result | RL   | MDL   | Units | DF | Analyzed          | By  | Method        |
|-----------------------------|--------|------|-------|-------|----|-------------------|-----|---------------|
| Alkalinity, Bicarbonate     | 138    | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 4500 CO2 D    |
| Alkalinity, Carbonate       | 29.0   | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 18 2320B      |
| Alkalinity, Total as CaCO3  | 168    | 5.0  | 3.5   | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 2320B-2011    |
| Chloride                    | 73.4   | 2.5  | 1.5   | mg/l  | 5  | 10/25/16 23:26 SM | EPA | 300           |
| Hydroxide Alkalinity        | 1.1 J  | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 18 4500CO2D   |
| Nitrogen, Nitrate + Nitrite | 1.1    | 0.10 | 0.020 | mg/l  | 1  | 10/24/16 14:40 SM | EPA | 353.2         |
| Nitrogen, Total Kjeldahl    | 0.38   | 0.20 | 0.10  | mg/l  | 1  | 10/25/16          | TH  | EPA 351.2     |
| Solids, Total Dissolved     | 436    | 10   | 3.0   | mg/l  | 1  | 10/24/16          | BG  | SM 2540C-2011 |
| Sulfate                     | 59.9   | 3.0  | 2.9   | mg/l  | 5  | 10/25/16 23:26 SM | EPA | 300           |

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW1-101816                                        | <b>Date Sampled:</b> 10/18/16  |
| <b>Lab Sample ID:</b> TC93635-1F                                              | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum <sup>a</sup>   | 0.0420 J  | 0.10   | 0.024   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Antimony <sup>a</sup>   | 0.0033 U  | 0.0060 | 0.0033  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Arsenic <sup>a</sup>    | 0.0040 J  | 0.010  | 0.0032  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Barium <sup>a</sup>     | 0.0996    | 0.010  | 0.00090 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Beryllium <sup>a</sup>  | 0.00080 U | 0.0040 | 0.00080 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Boron <sup>a</sup>      | 0.249     | 0.10   | 0.0037  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cadmium <sup>a</sup>    | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Calcium <sup>a</sup>    | 63.2      | 0.10   | 0.011   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Chromium <sup>a</sup>   | 0.0012 U  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cobalt <sup>a</sup>     | 0.0012 J  | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Copper <sup>a</sup>     | 0.0051 J  | 0.010  | 0.0029  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Magnesium <sup>a</sup>  | 9.67      | 0.10   | 0.039   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Manganese <sup>a</sup>  | 0.0130    | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Molybdenum <sup>a</sup> | 0.0057 J  | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Nickel <sup>a</sup>     | 0.0043 J  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Potassium <sup>a</sup>  | 22.9      | 0.50   | 0.033   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Silver <sup>a</sup>     | 0.0014 J  | 0.010  | 0.0010  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Sodium <sup>a</sup>     | 82.3      | 0.50   | 0.072   | mg/l  | 1  | 10/31/16 | 11/03/16    | ALA EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>5</sup> |
| Strontium <sup>a</sup>  | 0.371     | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Thallium <sup>a</sup>   | 0.0025 J  | 0.0050 | 0.0025  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Uranium <sup>a</sup>    | 0.0016    | 0.0010 | 0.00023 | mg/l  | 1  | 10/22/16 | 10/24/16    | ALA EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium <sup>a</sup>   | 0.0064 J  | 0.010  | 0.0016  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Zinc <sup>a</sup>       | 0.0540    | 0.020  | 0.0040  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |

- (1) Instrument QC Batch: L:MA5359
- (2) Instrument QC Batch: L:MA5442
- (3) Instrument QC Batch: L:MA5491
- (4) Instrument QC Batch: L:MA5505
- (5) Prep QC Batch: L:MP5585
- (6) Prep QC Batch: L:MP5594

(a) Analysis performed at SGS Accutest, Lafayette, LA.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW2-101816                                        | <b>Date Sampled:</b> 10/18/16  |
| <b>Lab Sample ID:</b> TC93635-2                                               | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## General Chemistry

| Analyte                     | Result | RL   | MDL   | Units | DF | Analyzed          | By  | Method        |
|-----------------------------|--------|------|-------|-------|----|-------------------|-----|---------------|
| Alkalinity, Bicarbonate     | 148    | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 4500 CO2 D    |
| Alkalinity, Carbonate       | 14.3   | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 18 2320B      |
| Alkalinity, Total as CaCO3  | 163    | 5.0  | 3.5   | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 2320B-2011    |
| Chloride                    | 68.3   | 2.5  | 1.5   | mg/l  | 5  | 10/25/16 23:42 SM | EPA | 300           |
| Hydroxide Alkalinity        | 0.66 U | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 18 4500CO2D   |
| Nitrogen, Nitrate + Nitrite | 1.1    | 0.10 | 0.020 | mg/l  | 1  | 10/24/16 14:41 SM | EPA | 353.2         |
| Nitrogen, Total Kjeldahl    | 0.17 J | 0.20 | 0.10  | mg/l  | 1  | 10/25/16          | TH  | EPA 351.2     |
| Solids, Total Dissolved     | 430    | 10   | 3.0   | mg/l  | 1  | 10/24/16          | BG  | SM 2540C-2011 |
| Sulfate                     | 55.6   | 3.0  | 2.9   | mg/l  | 5  | 10/25/16 23:42 SM | EPA | 300           |

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-SW2-101816                                        | <b>Date Sampled:</b> 10/18/16  |
| <b>Lab Sample ID:</b> TC93635-2F                                              | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum <sup>a</sup>   | 0.0431 J  | 0.10   | 0.024   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Antimony <sup>a</sup>   | 0.0033 U  | 0.0060 | 0.0033  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Arsenic <sup>a</sup>    | 0.0040 J  | 0.010  | 0.0032  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Barium <sup>a</sup>     | 0.105     | 0.010  | 0.00090 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Beryllium <sup>a</sup>  | 0.00080 U | 0.0040 | 0.00080 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Boron <sup>a</sup>      | 0.240     | 0.10   | 0.0037  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cadmium <sup>a</sup>    | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Calcium <sup>a</sup>    | 63.7      | 0.10   | 0.011   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Chromium <sup>a</sup>   | 0.0012 U  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cobalt <sup>a</sup>     | 0.0015 J  | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Copper <sup>a</sup>     | 0.0050 J  | 0.010  | 0.0029  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Magnesium <sup>a</sup>  | 9.93      | 0.10   | 0.039   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Manganese <sup>a</sup>  | 0.0109    | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Molybdenum <sup>a</sup> | 0.0053 J  | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Nickel <sup>a</sup>     | 0.0043 J  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Potassium <sup>a</sup>  | 22.0      | 0.50   | 0.033   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Silver <sup>a</sup>     | 0.0012 J  | 0.010  | 0.0010  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Sodium <sup>a</sup>     | 80.7      | 0.50   | 0.072   | mg/l  | 1  | 10/31/16 | 11/03/16    | ALA EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>5</sup> |
| Strontium <sup>a</sup>  | 0.379     | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Thallium <sup>a</sup>   | 0.0025 U  | 0.0050 | 0.0025  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Uranium <sup>a</sup>    | 0.0018    | 0.0010 | 0.00023 | mg/l  | 1  | 10/22/16 | 10/24/16    | ALA EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium <sup>a</sup>   | 0.0060 J  | 0.010  | 0.0016  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Zinc <sup>a</sup>       | 0.0415    | 0.020  | 0.0040  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |

- (1) Instrument QC Batch: L:MA5359
- (2) Instrument QC Batch: L:MA5442
- (3) Instrument QC Batch: L:MA5491
- (4) Instrument QC Batch: L:MA5505
- (5) Prep QC Batch: L:MP5585
- (6) Prep QC Batch: L:MP5594

(a) Analysis performed at SGS Accutest, Lafayette, LA.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW1-101816                                        | <b>Date Sampled:</b> 10/18/16  |
| <b>Lab Sample ID:</b> TC93635-3                                               | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                     | Result  | RL   | MDL   | Units | DF | Analyzed          | By  | Method        |
|-----------------------------|---------|------|-------|-------|----|-------------------|-----|---------------|
| Alkalinity, Bicarbonate     | 259     | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 4500 CO2 D    |
| Alkalinity, Carbonate       | 1.0 J   | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 18 2320B      |
| Alkalinity, Total as CaCO3  | 260     | 5.0  | 3.5   | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 2320B-2011    |
| Chloride                    | 72.1    | 2.5  | 1.5   | mg/l  | 5  | 10/25/16 23:57 SM | EPA | 300           |
| Hydroxide Alkalinity        | 0.66 U  | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 18 4500CO2D   |
| Nitrogen, Nitrate + Nitrite | 0.049 J | 0.10 | 0.020 | mg/l  | 1  | 10/24/16 14:46 SM | EPA | 353.2         |
| Nitrogen, Total Kjeldahl    | 0.10 U  | 0.20 | 0.10  | mg/l  | 1  | 10/25/16          | TH  | EPA 351.2     |
| Solids, Total Dissolved     | 552     | 10   | 3.0   | mg/l  | 1  | 10/24/16          | BG  | SM 2540C-2011 |
| Sulfate                     | 66.6    | 3.0  | 2.9   | mg/l  | 5  | 10/25/16 23:57 SM | EPA | 300           |

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW1-101816                                        | <b>Date Sampled:</b> 10/18/16  |
| <b>Lab Sample ID:</b> TC93635-3F                                              | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum <sup>a</sup>   | 0.024 U   | 0.10   | 0.024   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Antimony <sup>a</sup>   | 0.0033 U  | 0.0060 | 0.0033  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Arsenic <sup>a</sup>    | 0.0077 J  | 0.010  | 0.0032  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Barium <sup>a</sup>     | 0.0673    | 0.010  | 0.00090 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Beryllium <sup>a</sup>  | 0.00080 U | 0.0040 | 0.00080 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Boron <sup>a</sup>      | 0.255     | 0.10   | 0.0037  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cadmium <sup>a</sup>    | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Calcium <sup>a</sup>    | 87.5      | 0.10   | 0.011   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Chromium <sup>a</sup>   | 0.0012 U  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cobalt <sup>a</sup>     | 0.0019 J  | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Copper <sup>a</sup>     | 0.0118    | 0.010  | 0.0029  | mg/l  | 1  | 10/31/16 | 11/03/16    | ALA EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>5</sup> |
| Magnesium <sup>a</sup>  | 18.3      | 0.10   | 0.039   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Manganese <sup>a</sup>  | 0.0318    | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Molybdenum <sup>a</sup> | 0.0029 J  | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Nickel <sup>a</sup>     | 0.0083 J  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Potassium <sup>a</sup>  | 9.25      | 0.50   | 0.033   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Silver <sup>a</sup>     | 0.0010 J  | 0.010  | 0.0010  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Sodium <sup>a</sup>     | 107       | 0.50   | 0.072   | mg/l  | 1  | 10/31/16 | 11/03/16    | ALA EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>5</sup> |
| Strontium <sup>a</sup>  | 0.682     | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Thallium <sup>a</sup>   | 0.0025 U  | 0.0050 | 0.0025  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Uranium <sup>a</sup>    | 0.0032    | 0.0010 | 0.00023 | mg/l  | 1  | 10/22/16 | 10/24/16    | ALA EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium <sup>a</sup>   | 0.0070 J  | 0.010  | 0.0016  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Zinc <sup>a</sup>       | 0.0048 J  | 0.020  | 0.0040  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |

- (1) Instrument QC Batch: L:MA5359
- (2) Instrument QC Batch: L:MA5442
- (3) Instrument QC Batch: L:MA5491
- (4) Instrument QC Batch: L:MA5505
- (5) Prep QC Batch: L:MP5585
- (6) Prep QC Batch: L:MP5594

(a) Analysis performed at SGS Accutest, Lafayette, LA.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW2-101916                                        | <b>Date Sampled:</b> 10/19/16  |
| <b>Lab Sample ID:</b> TC93635-4                                               | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                     | Result | RL   | MDL   | Units | DF | Analyzed          | By  | Method        |
|-----------------------------|--------|------|-------|-------|----|-------------------|-----|---------------|
| Alkalinity, Bicarbonate     | 244    | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 4500 CO2 D    |
| Alkalinity, Carbonate       | 1.1 J  | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 18 2320B      |
| Alkalinity, Total as CaCO3  | 245    | 5.0  | 3.5   | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 2320B-2011    |
| Chloride                    | 29.3   | 2.5  | 1.5   | mg/l  | 5  | 10/26/16 00:13 SM | EPA | 300           |
| Hydroxide Alkalinity        | 0.66 U | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 18 4500CO2D   |
| Nitrogen, Nitrate + Nitrite | 0.20   | 0.10 | 0.020 | mg/l  | 1  | 10/24/16 14:48 SM | EPA | 353.2         |
| Nitrogen, Total Kjeldahl    | 0.10 U | 0.20 | 0.10  | mg/l  | 1  | 10/25/16          | TH  | EPA 351.2     |
| Solids, Total Dissolved     | 497    | 10   | 3.0   | mg/l  | 1  | 10/25/16          | BG  | SM 2540C-2011 |
| Sulfate                     | 81.8   | 3.0  | 2.9   | mg/l  | 5  | 10/26/16 00:13 SM | EPA | 300           |

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW2-101916                                        | <b>Date Sampled:</b> 10/19/16  |
| <b>Lab Sample ID:</b> TC93635-4F                                              | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum <sup>a</sup>   | 0.351     | 0.10   | 0.024   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Antimony <sup>a</sup>   | 0.0033 U  | 0.0060 | 0.0033  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Arsenic <sup>a</sup>    | 0.0392    | 0.010  | 0.0032  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Barium <sup>a</sup>     | 0.0770    | 0.010  | 0.00090 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Beryllium <sup>a</sup>  | 0.00080 U | 0.0040 | 0.00080 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Boron <sup>a</sup>      | 0.208     | 0.10   | 0.0037  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cadmium <sup>a</sup>    | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Calcium <sup>a</sup>    | 140       | 0.10   | 0.011   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Chromium <sup>a</sup>   | 0.0012 U  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cobalt <sup>a</sup>     | 0.00070 U | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Copper <sup>a</sup>     | 0.0042 J  | 0.010  | 0.0029  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Magnesium <sup>a</sup>  | 19.0      | 0.10   | 0.039   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Manganese <sup>a</sup>  | 0.0056 J  | 0.010  | 0.00060 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Molybdenum <sup>a</sup> | 0.0301    | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Nickel <sup>a</sup>     | 0.0042 J  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Potassium <sup>a</sup>  | 24.5      | 0.50   | 0.033   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Silver <sup>a</sup>     | 0.0011 J  | 0.010  | 0.0010  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Sodium <sup>a</sup>     | 105       | 0.50   | 0.072   | mg/l  | 1  | 10/31/16 | 11/03/16    | ALA EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>5</sup> |
| Strontium <sup>a</sup>  | 0.760     | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Thallium <sup>a</sup>   | 0.0025 U  | 0.0050 | 0.0025  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Uranium <sup>a</sup>    | 0.0061    | 0.0010 | 0.00023 | mg/l  | 1  | 10/22/16 | 10/24/16    | ALA EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium <sup>a</sup>   | 0.0094 J  | 0.010  | 0.0016  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Zinc <sup>a</sup>       | 0.0129 J  | 0.020  | 0.0040  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |

- (1) Instrument QC Batch: L:MA5359
- (2) Instrument QC Batch: L:MA5442
- (3) Instrument QC Batch: L:MA5491
- (4) Instrument QC Batch: L:MA5505
- (5) Prep QC Batch: L:MP5585
- (6) Prep QC Batch: L:MP5594

(a) Analysis performed at SGS Accutest, Lafayette, LA.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

3.9  
3

|                                                                               |  |                                |
|-------------------------------------------------------------------------------|--|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-101916                                        |  | <b>Date Sampled:</b> 10/19/16  |
| <b>Lab Sample ID:</b> TC93635-5                                               |  | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Ground Water                                              |  | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |  |                                |

### General Chemistry

| Analyte                     | Result  | RL   | MDL   | Units | DF  | Analyzed          | By  | Method        |
|-----------------------------|---------|------|-------|-------|-----|-------------------|-----|---------------|
| Alkalinity, Bicarbonate     | 496     | 5.0  | 0.66  | mg/l  | 1   | 10/21/16 14:45 PA | SM  | 4500 CO2 D    |
| Alkalinity, Carbonate       | 4.5 J   | 5.0  | 0.66  | mg/l  | 1   | 10/21/16 14:45 PA | SM  | 18 2320B      |
| Alkalinity, Total as CaCO3  | 500     | 5.0  | 3.5   | mg/l  | 1   | 10/21/16 14:45 PA | SM  | 2320B-2011    |
| Chloride                    | 29.5    | 2.5  | 1.5   | mg/l  | 5   | 10/26/16 00:28 SM | EPA | 300           |
| Hydroxide Alkalinity        | 0.66 U  | 5.0  | 0.66  | mg/l  | 1   | 10/21/16 14:45 PA | SM  | 18 4500CO2D   |
| Nitrogen, Nitrate + Nitrite | 0.020 U | 0.10 | 0.020 | mg/l  | 1   | 10/24/16 14:50 SM | EPA | 353.2         |
| Nitrogen, Total Kjeldahl    | 0.10 U  | 0.20 | 0.10  | mg/l  | 1   | 10/25/16          | TH  | EPA 351.2     |
| Solids, Total Dissolved     | 1670    | 10   | 3.0   | mg/l  | 1   | 10/25/16          | BG  | SM 2540C-2011 |
| Sulfate                     | 766     | 60   | 57    | mg/l  | 100 | 10/27/16 16:20 SM | EPA | 300           |

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-101916                                        | <b>Date Sampled:</b> 10/19/16  |
| <b>Lab Sample ID:</b> TC93635-5F                                              | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum <sup>a</sup>   | 0.0259 J  | 0.10   | 0.024   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Antimony <sup>a</sup>   | 0.0033 U  | 0.0060 | 0.0033  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Arsenic <sup>a</sup>    | 0.0036 J  | 0.010  | 0.0032  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Barium <sup>a</sup>     | 0.0522    | 0.010  | 0.00090 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Beryllium <sup>a</sup>  | 0.00080 U | 0.0040 | 0.00080 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Boron <sup>a</sup>      | 0.340     | 0.10   | 0.0037  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cadmium <sup>a</sup>    | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Calcium <sup>a</sup>    | 263       | 0.10   | 0.011   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Chromium <sup>a</sup>   | 0.0012 U  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cobalt <sup>a</sup>     | 0.0062 J  | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Copper <sup>a</sup>     | 0.0029 J  | 0.010  | 0.0029  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Magnesium <sup>a</sup>  | 128       | 0.10   | 0.039   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Manganese <sup>a</sup>  | 0.862     | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Molybdenum <sup>a</sup> | 0.0135    | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Nickel <sup>a</sup>     | 0.0648    | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Potassium <sup>a</sup>  | 24.6      | 0.50   | 0.033   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Silver <sup>a</sup>     | 0.0010 U  | 0.010  | 0.0010  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Sodium <sup>a</sup>     | 152       | 0.50   | 0.072   | mg/l  | 1  | 10/31/16 | 11/03/16    | ALA EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>5</sup> |
| Strontium <sup>a</sup>  | 2.09      | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Thallium <sup>a</sup>   | 0.0025 U  | 0.0050 | 0.0025  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Uranium <sup>a</sup>    | 0.291     | 0.0010 | 0.00023 | mg/l  | 1  | 10/22/16 | 10/24/16    | ALA EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium <sup>a</sup>   | 0.0016 U  | 0.010  | 0.0016  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Zinc <sup>a</sup>       | 0.0052 J  | 0.020  | 0.0040  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |

- (1) Instrument QC Batch: L:MA5359
- (2) Instrument QC Batch: L:MA5442
- (3) Instrument QC Batch: L:MA5491
- (4) Instrument QC Batch: L:MA5505
- (5) Prep QC Batch: L:MP5585
- (6) Prep QC Batch: L:MP5594

(a) Analysis performed at SGS Accutest, Lafayette, LA.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-101916-D                                      | <b>Date Sampled:</b> 10/19/16  |
| <b>Lab Sample ID:</b> TC93635-6                                               | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                     | Result  | RL   | MDL   | Units | DF  | Analyzed          | By  | Method        |
|-----------------------------|---------|------|-------|-------|-----|-------------------|-----|---------------|
| Alkalinity, Bicarbonate     | 489     | 5.0  | 0.66  | mg/l  | 1   | 10/21/16 14:45 PA | SM  | 4500 CO2 D    |
| Alkalinity, Carbonate       | 1.5 J   | 5.0  | 0.66  | mg/l  | 1   | 10/21/16 14:45 PA | SM  | 18 2320B      |
| Alkalinity, Total as CaCO3  | 490     | 5.0  | 3.5   | mg/l  | 1   | 10/21/16 14:45 PA | SM  | 2320B-2011    |
| Chloride                    | 34.2    | 2.5  | 1.5   | mg/l  | 5   | 10/26/16 01:15 SM | EPA | 300           |
| Hydroxide Alkalinity        | 0.66 U  | 5.0  | 0.66  | mg/l  | 1   | 10/21/16 14:45 PA | SM  | 18 4500CO2D   |
| Nitrogen, Nitrate + Nitrite | 0.020 U | 0.10 | 0.020 | mg/l  | 1   | 10/24/16 14:51 SM | EPA | 353.2         |
| Nitrogen, Total Kjeldahl    | 0.10 U  | 0.20 | 0.10  | mg/l  | 1   | 10/25/16          | TH  | EPA 351.2     |
| Solids, Total Dissolved     | 1640    | 10   | 3.0   | mg/l  | 1   | 10/25/16          | BG  | SM 2540C-2011 |
| Sulfate                     | 764     | 60   | 57    | mg/l  | 100 | 10/27/16 16:35 SM | EPA | 300           |

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW3-101916-D                                      | <b>Date Sampled:</b> 10/19/16  |
| <b>Lab Sample ID:</b> TC93635-6F                                              | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum <sup>a</sup>   | 0.179     | 0.10   | 0.024   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Antimony <sup>a</sup>   | 0.0033 U  | 0.0060 | 0.0033  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Arsenic <sup>a</sup>    | 0.0032 U  | 0.010  | 0.0032  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Barium <sup>a</sup>     | 0.0524    | 0.010  | 0.00090 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Beryllium <sup>a</sup>  | 0.00080 U | 0.0040 | 0.00080 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Boron <sup>a</sup>      | 0.335     | 0.10   | 0.0037  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cadmium <sup>a</sup>    | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Calcium <sup>a</sup>    | 262       | 0.10   | 0.011   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Chromium <sup>a</sup>   | 0.0012 U  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cobalt <sup>a</sup>     | 0.0064 J  | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Copper <sup>a</sup>     | 0.0051 J  | 0.010  | 0.0029  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Magnesium <sup>a</sup>  | 127       | 0.10   | 0.039   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Manganese <sup>a</sup>  | 0.850     | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Molybdenum <sup>a</sup> | 0.0131    | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Nickel <sup>a</sup>     | 0.0636    | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Potassium <sup>a</sup>  | 24.8      | 0.50   | 0.033   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Silver <sup>a</sup>     | 0.0010 U  | 0.010  | 0.0010  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Sodium <sup>a</sup>     | 152       | 0.50   | 0.072   | mg/l  | 1  | 10/31/16 | 11/03/16    | ALA EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>5</sup> |
| Strontium <sup>a</sup>  | 2.11      | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Thallium <sup>a</sup>   | 0.0025 U  | 0.0050 | 0.0025  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Uranium <sup>a</sup>    | 0.279     | 0.0010 | 0.00023 | mg/l  | 1  | 10/22/16 | 10/24/16    | ALA EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium <sup>a</sup>   | 0.0016 U  | 0.010  | 0.0016  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Zinc <sup>a</sup>       | 0.0082 J  | 0.020  | 0.0040  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |

- (1) Instrument QC Batch: L:MA5359
- (2) Instrument QC Batch: L:MA5442
- (3) Instrument QC Batch: L:MA5491
- (4) Instrument QC Batch: L:MA5505
- (5) Prep QC Batch: L:MP5585
- (6) Prep QC Batch: L:MP5594

(a) Analysis performed at SGS Accutest, Lafayette, LA.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW5-101916                                        | <b>Date Sampled:</b> 10/19/16  |
| <b>Lab Sample ID:</b> TC93635-7                                               | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## General Chemistry

| Analyte                     | Result | RL   | MDL   | Units | DF | Analyzed          | By  | Method        |
|-----------------------------|--------|------|-------|-------|----|-------------------|-----|---------------|
| Alkalinity, Bicarbonate     | 274    | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 4500 CO2 D    |
| Alkalinity, Carbonate       | 0.94 J | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 18 2320B      |
| Alkalinity, Total as CaCO3  | 275    | 5.0  | 3.5   | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 2320B-2011    |
| Chloride                    | 69.8   | 2.5  | 1.5   | mg/l  | 5  | 10/26/16 01:30 SM | EPA | 300           |
| Hydroxide Alkalinity        | 0.66 U | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 18 4500CO2D   |
| Nitrogen, Nitrate + Nitrite | 0.21   | 0.10 | 0.020 | mg/l  | 1  | 10/24/16 14:53 SM | EPA | 353.2         |
| Nitrogen, Total Kjeldahl    | 0.10 U | 0.20 | 0.10  | mg/l  | 1  | 10/25/16          | TH  | EPA 351.2     |
| Solids, Total Dissolved     | 489    | 10   | 3.0   | mg/l  | 1  | 10/25/16          | BG  | SM 2540C-2011 |
| Sulfate                     | 67.6   | 3.0  | 2.9   | mg/l  | 5  | 10/26/16 01:30 SM | EPA | 300           |

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW5-101916                                        | <b>Date Sampled:</b> 10/19/16  |
| <b>Lab Sample ID:</b> TC93635-7F                                              | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum <sup>a</sup>   | 0.024 U   | 0.10   | 0.024   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Antimony <sup>a</sup>   | 0.0033 U  | 0.0060 | 0.0033  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Arsenic <sup>a</sup>    | 0.0109    | 0.010  | 0.0032  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Barium <sup>a</sup>     | 0.0392    | 0.010  | 0.00090 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Beryllium <sup>a</sup>  | 0.00080 U | 0.0040 | 0.00080 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Boron <sup>a</sup>      | 0.245     | 0.10   | 0.0037  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cadmium <sup>a</sup>    | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Calcium <sup>a</sup>    | 89.1      | 0.10   | 0.011   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Chromium <sup>a</sup>   | 0.0012 U  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cobalt <sup>a</sup>     | 0.0012 J  | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Copper <sup>a</sup>     | 0.0029 U  | 0.010  | 0.0029  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Magnesium <sup>a</sup>  | 22.3      | 0.10   | 0.039   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Manganese <sup>a</sup>  | 1.29      | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Molybdenum <sup>a</sup> | 0.0126    | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Nickel <sup>a</sup>     | 0.0082 J  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Potassium <sup>a</sup>  | 11.5      | 0.50   | 0.033   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Silver <sup>a</sup>     | 0.0010 U  | 0.010  | 0.0010  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Sodium <sup>a</sup>     | 93.8      | 0.50   | 0.072   | mg/l  | 1  | 10/31/16 | 11/03/16    | ALA EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>5</sup> |
| Strontium <sup>a</sup>  | 0.753     | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Thallium <sup>a</sup>   | 0.0025 U  | 0.0050 | 0.0025  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Uranium <sup>a</sup>    | 0.0110    | 0.0010 | 0.00023 | mg/l  | 1  | 10/22/16 | 10/24/16    | ALA EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium <sup>a</sup>   | 0.0016 U  | 0.010  | 0.0016  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Zinc <sup>a</sup>       | 0.0040 U  | 0.020  | 0.0040  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |

(1) Instrument QC Batch: L:MA5359

(2) Instrument QC Batch: L:MA5442

(3) Instrument QC Batch: L:MA5491

(4) Instrument QC Batch: L:MA5505

(5) Prep QC Batch: L:MP5585

(6) Prep QC Batch: L:MP5594

(a) Analysis performed at SGS Accutest, Lafayette, LA.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-EB1-101916                                        | <b>Date Sampled:</b> 10/19/16  |
| <b>Lab Sample ID:</b> TC93635-8F                                              | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Equip Blank Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum <sup>a</sup>   | 0.024 U   | 0.10   | 0.024   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Antimony <sup>a</sup>   | 0.0033 U  | 0.0060 | 0.0033  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Arsenic <sup>a</sup>    | 0.0032 U  | 0.010  | 0.0032  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Barium <sup>a</sup>     | 0.0033 J  | 0.010  | 0.00090 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Beryllium <sup>a</sup>  | 0.00080 U | 0.0040 | 0.00080 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Boron <sup>a</sup>      | 0.0121 J  | 0.10   | 0.0037  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cadmium <sup>a</sup>    | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Calcium <sup>a</sup>    | 3.60      | 0.10   | 0.011   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Chromium <sup>a</sup>   | 0.0012 U  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cobalt <sup>a</sup>     | 0.00075 J | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Copper <sup>a</sup>     | 0.0029 U  | 0.010  | 0.0029  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Magnesium <sup>a</sup>  | 0.594     | 0.10   | 0.039   | mg/l  | 1  | 10/31/16 | 11/03/16    | ALA EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>5</sup> |
| Manganese <sup>a</sup>  | 0.0019 J  | 0.010  | 0.00060 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Molybdenum <sup>a</sup> | 0.00070 U | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Nickel <sup>a</sup>     | 0.0012 U  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Potassium <sup>a</sup>  | 0.368 J   | 0.50   | 0.033   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Silver <sup>a</sup>     | 0.0010 U  | 0.010  | 0.0010  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Sodium <sup>a</sup>     | 3.85      | 0.50   | 0.072   | mg/l  | 1  | 10/31/16 | 11/03/16    | ALA EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>5</sup> |
| Strontium <sup>a</sup>  | 0.0246    | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Thallium <sup>a</sup>   | 0.0025 U  | 0.0050 | 0.0025  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Uranium <sup>a</sup>    | 0.00023 U | 0.0010 | 0.00023 | mg/l  | 1  | 10/22/16 | 10/24/16    | ALA EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium <sup>a</sup>   | 0.0016 U  | 0.010  | 0.0016  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Zinc <sup>a</sup>       | 0.0040 U  | 0.020  | 0.0040  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |

- (1) Instrument QC Batch: L:MA5359
- (2) Instrument QC Batch: L:MA5442
- (3) Instrument QC Batch: L:MA5491
- (4) Instrument QC Batch: L:MA5505
- (5) Prep QC Batch: L:MP5585
- (6) Prep QC Batch: L:MP5594

(a) Analysis performed at SGS Accutest, Lafayette, LA.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW4-101916                                        | <b>Date Sampled:</b> 10/19/16  |
| <b>Lab Sample ID:</b> TC93635-9                                               | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## General Chemistry

| Analyte                     | Result | RL   | MDL   | Units | DF | Analyzed          | By  | Method        |
|-----------------------------|--------|------|-------|-------|----|-------------------|-----|---------------|
| Alkalinity, Bicarbonate     | 290    | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 4500 CO2 D    |
| Alkalinity, Carbonate       | 0.66 U | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 18 2320B      |
| Alkalinity, Total as CaCO3  | 290    | 5.0  | 3.5   | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 2320B-2011    |
| Chloride                    | 61.9   | 2.5  | 1.5   | mg/l  | 5  | 10/26/16 01:46 SM | EPA | 300           |
| Hydroxide Alkalinity        | 0.66 U | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 18 4500CO2D   |
| Nitrogen, Nitrate + Nitrite | 0.19   | 0.10 | 0.020 | mg/l  | 1  | 10/24/16 14:55 SM | EPA | 353.2         |
| Nitrogen, Total Kjeldahl    | 0.10 U | 0.20 | 0.10  | mg/l  | 1  | 10/25/16          | TH  | EPA 351.2     |
| Solids, Total Dissolved     | 749    | 10   | 3.0   | mg/l  | 1  | 10/25/16          | BG  | SM 2540C-2011 |
| Sulfate                     | 225    | 12   | 11    | mg/l  | 20 | 10/27/16 16:51 SM | EPA | 300           |

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW4-101916                                        | <b>Date Sampled:</b> 10/19/16  |
| <b>Lab Sample ID:</b> TC93635-9F                                              | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum <sup>a</sup>   | 0.499     | 0.10   | 0.024   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Antimony <sup>a</sup>   | 0.0033 U  | 0.0060 | 0.0033  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Arsenic <sup>a</sup>    | 0.0100    | 0.010  | 0.0032  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Barium <sup>a</sup>     | 0.114     | 0.010  | 0.00090 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Beryllium <sup>a</sup>  | 0.00080 U | 0.0040 | 0.00080 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Boron <sup>a</sup>      | 0.232     | 0.10   | 0.0037  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cadmium <sup>a</sup>    | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Calcium <sup>a</sup>    | 130       | 0.10   | 0.011   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Chromium <sup>a</sup>   | 0.0012 U  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cobalt <sup>a</sup>     | 0.0020 J  | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Copper <sup>a</sup>     | 0.0145    | 0.010  | 0.0029  | mg/l  | 1  | 10/31/16 | 11/03/16    | ALA EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>5</sup> |
| Magnesium <sup>a</sup>  | 42.0      | 0.10   | 0.039   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Manganese <sup>a</sup>  | 0.0133    | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Molybdenum <sup>a</sup> | 0.0064 J  | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Nickel <sup>a</sup>     | 0.0105    | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Potassium <sup>a</sup>  | 13.1      | 0.50   | 0.033   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Silver <sup>a</sup>     | 0.0010 U  | 0.010  | 0.0010  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Sodium <sup>a</sup>     | 108       | 0.50   | 0.072   | mg/l  | 1  | 10/31/16 | 11/03/16    | ALA EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>5</sup> |
| Strontium <sup>a</sup>  | 0.963     | 0.010  | 0.00060 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Thallium <sup>a</sup>   | 0.0045 J  | 0.0050 | 0.0025  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Uranium <sup>a</sup>    | 0.0956    | 0.0010 | 0.00023 | mg/l  | 1  | 10/22/16 | 10/24/16    | ALA EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium <sup>a</sup>   | 0.0088 J  | 0.010  | 0.0016  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Zinc <sup>a</sup>       | 0.0062 J  | 0.020  | 0.0040  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |

- (1) Instrument QC Batch: L:MA5359
- (2) Instrument QC Batch: L:MA5442
- (3) Instrument QC Batch: L:MA5491
- (4) Instrument QC Batch: L:MA5505
- (5) Prep QC Batch: L:MP5585
- (6) Prep QC Batch: L:MP5594

(a) Analysis performed at SGS Accutest, Lafayette, LA.

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

## Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW7-101916                                        | <b>Date Sampled:</b> 10/19/16  |
| <b>Lab Sample ID:</b> TC93635-10                                              | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Ground Water                                              | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

### General Chemistry

| Analyte                     | Result | RL   | MDL   | Units | DF | Analyzed          | By  | Method        |
|-----------------------------|--------|------|-------|-------|----|-------------------|-----|---------------|
| Alkalinity, Bicarbonate     | 250    | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 4500 CO2 D    |
| Alkalinity, Carbonate       | 0.66 U | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 18 2320B      |
| Alkalinity, Total as CaCO3  | 250    | 5.0  | 3.5   | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 2320B-2011    |
| Chloride                    | 62.9   | 5.0  | 3.0   | mg/l  | 10 | 10/25/16 22:40 SM | EPA | 300           |
| Hydroxide Alkalinity        | 0.66 U | 5.0  | 0.66  | mg/l  | 1  | 10/21/16 14:45 PA | SM  | 18 4500CO2D   |
| Nitrogen, Nitrate + Nitrite | 0.19   | 0.10 | 0.020 | mg/l  | 1  | 10/24/16 14:38 SM | EPA | 353.2         |
| Nitrogen, Total Kjeldahl    | 0.10 U | 0.20 | 0.10  | mg/l  | 1  | 10/25/16          | TH  | EPA 351.2     |
| Solids, Total Dissolved     | 500    | 10   | 3.0   | mg/l  | 1  | 10/25/16          | BG  | SM 2540C-2011 |
| Sulfate                     | 68.2   | 6.0  | 5.7   | mg/l  | 10 | 10/25/16 22:40 SM | EPA | 300           |

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
J = Indicates a result > = MDL but < RL

# Report of Analysis

|                                                                               |                                |
|-------------------------------------------------------------------------------|--------------------------------|
| <b>Client Sample ID:</b> LB-MW7-101916                                        | <b>Date Sampled:</b> 10/19/16  |
| <b>Lab Sample ID:</b> TC93635-10F                                             | <b>Date Received:</b> 10/20/16 |
| <b>Matrix:</b> AQ - Groundwater Filtered                                      | <b>Percent Solids:</b> n/a     |
| <b>Project:</b> La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico |                                |

## Dissolved Metals Analysis

| Analyte                 | Result    | RL     | MDL     | Units | DF | Prep     | Analyzed By | Method                     | Prep Method            |
|-------------------------|-----------|--------|---------|-------|----|----------|-------------|----------------------------|------------------------|
| Aluminum <sup>a</sup>   | 0.0535 J  | 0.10   | 0.024   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Antimony <sup>a</sup>   | 0.0033 U  | 0.0060 | 0.0033  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Arsenic <sup>a</sup>    | 0.0095 J  | 0.010  | 0.0032  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Barium <sup>a</sup>     | 0.0546    | 0.010  | 0.00090 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Beryllium <sup>a</sup>  | 0.00080 U | 0.0040 | 0.00080 | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Boron <sup>a</sup>      | 0.227     | 0.10   | 0.0037  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cadmium <sup>a</sup>    | 0.00060 U | 0.0050 | 0.00060 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Calcium <sup>a</sup>    | 84.9      | 0.10   | 0.011   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Chromium <sup>a</sup>   | 0.0012 U  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Cobalt <sup>a</sup>     | 0.00093 J | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Copper <sup>a</sup>     | 0.0044 J  | 0.010  | 0.0029  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Magnesium <sup>a</sup>  | 19.3      | 0.10   | 0.039   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Manganese <sup>a</sup>  | 0.0018 J  | 0.010  | 0.00060 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Molybdenum <sup>a</sup> | 0.0061 J  | 0.010  | 0.00070 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Nickel <sup>a</sup>     | 0.0060 J  | 0.010  | 0.0012  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Potassium <sup>a</sup>  | 8.84      | 0.50   | 0.033   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Silver <sup>a</sup>     | 0.0010 U  | 0.010  | 0.0010  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Sodium <sup>a</sup>     | 105       | 0.50   | 0.072   | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>4</sup> | EPA 200.7 <sup>5</sup> |
| Strontium <sup>a</sup>  | 0.619     | 0.010  | 0.00060 | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Thallium <sup>a</sup>   | 0.0025 J  | 0.0050 | 0.0025  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |
| Uranium <sup>a</sup>    | 0.0142    | 0.0010 | 0.00023 | mg/l  | 1  | 10/22/16 | 10/24/16    | ALA EPA 200.8 <sup>1</sup> | EPA 200.8 <sup>6</sup> |
| Vanadium <sup>a</sup>   | 0.0121    | 0.010  | 0.0016  | mg/l  | 1  | 10/31/16 | 11/02/16    | ALA EPA 200.7 <sup>3</sup> | EPA 200.7 <sup>5</sup> |
| Zinc <sup>a</sup>       | 0.0044 J  | 0.020  | 0.0040  | mg/l  | 1  | 10/25/16 | 10/31/16    | ALA EPA 200.7 <sup>2</sup> | EPA 200.7 <sup>5</sup> |

- (1) Instrument QC Batch: L:MA5359
- (2) Instrument QC Batch: L:MA5442
- (3) Instrument QC Batch: L:MA5491
- (4) Instrument QC Batch: L:MA5495
- (5) Prep QC Batch: L:MP5585
- (6) Prep QC Batch: L:MP5594

(a) Analysis performed at SGS Accutest, Lafayette, LA.

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 J = Indicates a result > = MDL but < RL

Misc. Forms

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Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody



PHOENIX  
ACCUTEST

CHAIN OF CUSTODY

2105 Lundy Ave, San Jose, CA 95131  
(408) 588-0200 FAX: (408) 588-0201

|                      |                           |
|----------------------|---------------------------|
| FED-EX Tracking #    | Bottle Order Control #    |
| SGS Accutest Quote # | SGS Accutest NC Job # : C |

TC93635

| Client / Reporting Information                                                                                                                                                                                          |                 |  | Project Information                                                                                      |                           |            |                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |    |      |                                  |                                           |              | Requested Analysis                                                                                                                                         |                          |    |  |  |  |  |  |  |  | Matrix Codes                                                                                                                                                          |      |      |      |      |      |      |      |      |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--|----------------------------------------------------------------------------------------------------------|---------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----|------|----------------------------------|-------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----|--|--|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|--|--|--|
| Company Name: <b>WESTON SOLUTIONS</b>                                                                                                                                                                                   |                 |  | Project Name: <b>LA BAJADA</b>                                                                           |                           |            |                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |    |      |                                  |                                           |              | DISSOLVED METALS<br>Combined RA 224 / 228<br>TDS<br>Total Alkalinity / Carbonate / Bicarbonate / Hydroxide<br>Chloride / Sulfate<br>Nitrate + Nitrite / TN |                          |    |  |  |  |  |  |  |  | WW- Wastewater<br>GW- Ground Water<br>SW- Surface Water<br>SO- Soil<br>OI- Oil<br>WP- Wipe<br>LIQ- Non-aqueous Liquid<br>AIR<br>DW- Drinking Water (Perchlorate Only) |      |      |      |      |      |      |      |      |  |  |  |
| Address: <b>900 W. Elliot Rd #101</b>                                                                                                                                                                                   |                 |  | Street: <b>LA BAJADA</b>                                                                                 |                           |            |                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |    |      |                                  |                                           |              |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| City: <b>Tempe</b> State: <b>AZ</b> Zip: <b>85284</b>                                                                                                                                                                   |                 |  | City: _____ State: _____                                                                                 |                           |            |                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |    |      |                                  |                                           |              |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| Project Contact: <b>Barb Wethington</b>                                                                                                                                                                                 |                 |  | Project # _____                                                                                          |                           |            |                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |    |      |                                  |                                           |              |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| Phone #: <b>480-477-4911</b>                                                                                                                                                                                            |                 |  | EMAIL: <b>b.wethington@westonsolutions.com</b>                                                           |                           |            |                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |    |      |                                  |                                           |              |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| Sampler's Name: <b>Greg Roussos</b>                                                                                                                                                                                     |                 |  | Client Purchase Order # _____                                                                            |                           |            |                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |    |      |                                  |                                           |              |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| SGS Accutest Sample ID                                                                                                                                                                                                  |                 |  | Collection                                                                                               |                           |            | Number of preserved Bottles                                                                                                                                                                                                                                                                                                                                                                                               |                            |    |      |                                  |                                           |              |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  | LAB USE ONLY                                                                                                                                                          |      |      |      |      |      |      |      |      |  |  |  |
| Sample ID / Field Point / Point of Collection                                                                                                                                                                           |                 |  | Date                                                                                                     | Time                      | Sampled by | Matrix                                                                                                                                                                                                                                                                                                                                                                                                                    | # of bottles               | PC | NO3H | PHOS                             | AS04                                      | NO3N         |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  | NO2N                                                                                                                                                                  | NO3S | NO2S | NO3O | NO2O | NO3C | NO2C | NO3M | NO2M |  |  |  |
| 1                                                                                                                                                                                                                       | LB-SW2-101816   |  | 10/18/16                                                                                                 | 1530                      | GR         | GW                                                                                                                                                                                                                                                                                                                                                                                                                        | 4                          |    |      | 2                                | 1                                         | 1            |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| 2                                                                                                                                                                                                                       | LB-SW2-101816   |  | ↓                                                                                                        | 1427                      |            |                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                          |    |      | 2                                | 1                                         | 1            |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| 3                                                                                                                                                                                                                       | LB-MW2-101816   |  | ↓                                                                                                        | 1650                      |            |                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                          |    |      | 2                                | 1                                         | 1            |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| 4                                                                                                                                                                                                                       | LB-MW2-101916   |  | ⊕                                                                                                        | 10/19/16                  | 0925       |                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                          |    |      | 1                                | 1                                         | 2            |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| 5                                                                                                                                                                                                                       | LB-MW3-101916   |  | ⊕                                                                                                        | ↓                         | 1055       |                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                          |    |      | 1                                | 1                                         | 2            |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| 6                                                                                                                                                                                                                       | LB-MW3-101916-D |  | ⊕                                                                                                        | ↓                         | 1055       |                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                          |    |      | 1                                | 1                                         | 2            |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| 7                                                                                                                                                                                                                       | LB-MW5-101916   |  | ⊕                                                                                                        | ↓                         | 1255       |                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                          |    |      | 1                                | 1                                         | 2            |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| 8                                                                                                                                                                                                                       | LB-EB1-101916   |  | ⊕                                                                                                        | ↓                         | 1355       |                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                          |    |      | 1                                | 1                                         |              |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| 9                                                                                                                                                                                                                       | LB-MW4-101916   |  | ⊕                                                                                                        | ↓                         | 1435       |                                                                                                                                                                                                                                                                                                                                                                                                                           | 4                          |    |      | 1                                | 1                                         | 2            |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| 10                                                                                                                                                                                                                      | LB-MW7-101916   |  | ⊕                                                                                                        | ↓                         | 1540       |                                                                                                                                                                                                                                                                                                                                                                                                                           | 12                         |    |      | 3                                | 3                                         | 6            |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| Turnaround Time (Business days)                                                                                                                                                                                         |                 |  | Data Deliverable Information                                                                             |                           |            |                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |    |      |                                  |                                           |              | Comments / Remarks                                                                                                                                         |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| <input checked="" type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day |                 |  | Approved By / Date:                                                                                      |                           |            | <input type="checkbox"/> Commercial "A" - Results only<br><input type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B+" - Results, QC, and chromatograms<br><input type="checkbox"/> FULT1 - Level 4 data package<br><input type="checkbox"/> EDF for Geotracker <input type="checkbox"/> EDD Format _____<br>Provide EDF Global ID _____<br>Provide EDF Logcode: _____ |                            |    |      |                                  |                                           |              | * MS/MSD on LB-MW7-101916<br>* preserve Radium bottles upon arrival<br>on all ⊕ samples                                                                    |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| Emergency TIA data available VIA Lablink                                                                                                                                                                                |                 |  | Sample Custody must be documented below each time samples change possession, including courier delivery. |                           |            |                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |    |      |                                  |                                           |              |                                                                                                                                                            |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| Relinquished by:                                                                                                                                                                                                        |                 |  | Date Time: 10/19/16 1800                                                                                 | Received By: <b>FEDEX</b> |            |                                                                                                                                                                                                                                                                                                                                                                                                                           | Relinquished By: <b>MP</b> |    |      | Date Time:                       | Received By:                              |              |                                                                                                                                                            | Date Time: 10/20/16 0930 |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| Relinquished by:                                                                                                                                                                                                        |                 |  | Date Time:                                                                                               | Received By:              |            |                                                                                                                                                                                                                                                                                                                                                                                                                           | Relinquished By:           |    |      | Date Time:                       | Received By:                              |              |                                                                                                                                                            | Date Time:               |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| Relinquished by:                                                                                                                                                                                                        |                 |  | Date Time:                                                                                               | Received By:              |            |                                                                                                                                                                                                                                                                                                                                                                                                                           | Custody Seal #             |    |      | Appropriate Bottle / Pres. Y / N | Headspace Y / N                           | On Ice Y / N | Cooler Temp.                                                                                                                                               |                          |    |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |
| Relinquished by:                                                                                                                                                                                                        |                 |  | Date Time:                                                                                               | Received By:              |            |                                                                                                                                                                                                                                                                                                                                                                                                                           |                            |    |      | Labels match Coc? Y / N          | Separate Receiving Check List used: Y / N | 3.0          | 2.6                                                                                                                                                        | 2.4                      | OC |  |  |  |  |  |  |  |                                                                                                                                                                       |      |      |      |      |      |      |      |      |  |  |  |

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TC93635: Chain of Custody

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# SGS Accutest Sample Receipt Summary

**Job Number:** TC93635      **Client:** WESTON SOLUTIONS      **Project:** LA BAJADA  
**Date / Time Received:** \_\_\_\_\_      **Delivery Method:** \_\_\_\_\_      **Airbill #'s:** 564246198302,564246198287,564246198298,5642  
**No. Coolers:** 4      **Therm ID:** IR9;      **Temp Adjustment Factor:** 0;  
**Cooler Temps (Initial/Adjusted):** #1: (3/3); #2: (2.6/2.6); #3: (3.1/3.1); #4: (3.6/3.6);

|                           |                                                              |                       |                                                              |
|---------------------------|--------------------------------------------------------------|-----------------------|--------------------------------------------------------------|
| <b>Cooler Security</b>    | <u>Y or N</u>                                                |                       | <u>Y or N</u>                                                |
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> <input type="checkbox"/> | 3. COC Present:       | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input checked="" type="checkbox"/> <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> <input type="checkbox"/> |

|                              |                                                              |
|------------------------------|--------------------------------------------------------------|
| <b>Cooler Temperature</b>    | <u>Y or N</u>                                                |
| 1. Temp criteria achieved:   | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Cooler temp verification: | _____                                                        |
| 3. Cooler media:             | Ice (Bag)                                                    |

|                                     |                          |                                     |                                     |            |                          |                          |
|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|------------|--------------------------|--------------------------|
| <b>Quality Control Preservation</b> | <u>Y</u>                 | <u>or</u>                           | <u>N</u>                            | <u>N/A</u> | <u>WTB</u>               | <u>STB</u>               |
| 1. Trip Blank present / cooler:     | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |            | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC:        | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |            |                          |                          |
| 3. Samples preserved properly:      | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                                     |            |                          |                          |
| 4. VOCs headspace free:             | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |            |                          |                          |

|                                         |                                     |                          |          |
|-----------------------------------------|-------------------------------------|--------------------------|----------|
| <b>Sample Integrity - Documentation</b> | <u>Y</u>                            | <u>or</u>                | <u>N</u> |
| 1. Sample labels present on bottles:    | <input checked="" type="checkbox"/> | <input type="checkbox"/> |          |
| 2. Container labeling complete:         | <input checked="" type="checkbox"/> | <input type="checkbox"/> |          |
| 3. Sample container label / COC agree:  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |          |

|                                     |                                     |                          |          |
|-------------------------------------|-------------------------------------|--------------------------|----------|
| <b>Sample Integrity - Condition</b> | <u>Y</u>                            | <u>or</u>                | <u>N</u> |
| 1. Sample recvd within HT:          | <input checked="" type="checkbox"/> | <input type="checkbox"/> |          |
| 2. All containers accounted for:    | <input checked="" type="checkbox"/> | <input type="checkbox"/> |          |
| 3. Condition of sample:             | Intact                              |                          |          |

|                                           |                                     |                                     |          |                                     |
|-------------------------------------------|-------------------------------------|-------------------------------------|----------|-------------------------------------|
| <b>Sample Integrity - Instructions</b>    | <u>Y</u>                            | <u>or</u>                           | <u>N</u> | <u>N/A</u>                          |
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |          |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |          |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |          |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            | <input type="checkbox"/>            |          | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            | <input type="checkbox"/>            |          | <input checked="" type="checkbox"/> |

Comments Received RAD226/228 unpreserved , lab added 16mls of HNO3 lot # 6022632 to all samples excdpt for MW-1 (8mls) and EB-1 (12mls)

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TC93635: Chain of Custody

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## Problem Resolution

Accutest Job Number: TC93635

CSR: \_\_\_\_\_

Response Date: \_\_\_\_\_

Response:

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TC93635: Chain of Custody

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# Sample Receipt Log

Job #: TC93635 \_\_\_\_\_

Date / Time Received: 10/20/2016 \_\_\_\_\_

Initials: BG \_\_\_\_\_

Client: WESTON SOLUTIONS \_\_\_\_\_

| Cooler # | Sample ID: | Vol    | Bot # | Location | Pres  | pH                                           | Therm ID | Initial Temp | Therm CF | Corrected Temp |
|----------|------------|--------|-------|----------|-------|----------------------------------------------|----------|--------------|----------|----------------|
|          | TC93635-1  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-1  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-1  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |
|          | TC93635-1  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-2  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-2  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-2  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |
|          | TC93635-2  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-3  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-3  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-3  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |
|          | TC93635-3  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-4  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-4  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-4  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |
|          | TC93635-4  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-5  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-5  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-5  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |
|          | TC93635-5  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-6  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-6  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-6  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |

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TC93635: Chain of Custody

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# Sample Receipt Log

Job #: TC93635 \_\_\_\_\_

Date / Time Received: 10/20/2016 \_\_\_\_\_

Initials: BG \_\_\_\_\_

Client: WESTON SOLUTIONS \_\_\_\_\_

| Cooler # | Sample ID: | Vol    | Bot # | Location | Pres  | pH                                           | Therm ID | Initial Temp | Therm CF | Corrected Temp |
|----------|------------|--------|-------|----------|-------|----------------------------------------------|----------|--------------|----------|----------------|
|          | TC93635-6  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-7  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-7  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-7  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |
|          | TC93635-7  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-8  | GALLON | 1     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-8  | 250ml  | 2     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-9  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-9  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-9  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |
|          | TC93635-9  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
| 1        | TC93635-10 | GALLON | 1     | sub      | HNO3  | pH < 2                                       | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | GALLON | 5     | SUB      | HNO3  | pH < 2                                       | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 500ml  | 6     | 3G       | N/P   | Note #2 - Preservative check not applicable. | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 250ml  | 7     | 1-O      | H2SO4 | pH < 2                                       | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 250ml  | 8     | SUB      | HNO3  | pH < 2                                       | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | GALLON | 9     | SUB      | N/P   | Note #2 - Preservative check not applicable. | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 500ml  | 10    | 3G       | N/P   | Note #2 - Preservative check not applicable. | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 250ml  | 11    | 1-O      | H2SO4 | pH < 2                                       | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 250ml  | 12    | SUB      | HNO3  | pH < 2                                       | IR9      | 3            | 0        | 3              |

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TC93635: Chain of Custody

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**General Chemistry**

**QC Data Summaries**

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Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: TC93635  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                     | Batch ID        | RL   | MB Result | Units | Spike Amount | BSP Result | BSP %Recov | QC Limits |
|-----------------------------|-----------------|------|-----------|-------|--------------|------------|------------|-----------|
| Alkalinity, Bicarbonate     | GN76890         | 5.0  | 2.0       | mg/l  |              |            |            |           |
| Alkalinity, Carbonate       | GN76891         | 5.0  | 0.0       | mg/l  |              |            |            |           |
| Alkalinity, Total as CaCO3  | GN76889         | 5.0  | 0.0       | mg/l  | 100          | 92.0       | 92.0       | 90-100%   |
| Chloride                    | GP38895/GN76977 | 0.50 | 0.0       | mg/l  | 10           | 10.6       | 106.0      | 90-110%   |
| Chloride                    | GP38937/GN77035 | 0.50 | 0.0       | mg/l  | 10           | 9.74       | 97.4       | 90-110%   |
| Hydroxide Alkalinity        | GN76892         | 5.0  | 0.0       | mg/l  |              |            |            |           |
| Nitrogen, Nitrate + Nitrite | GP38858/GN76921 | 0.10 | 0.0       | mg/l  | 1            | 0.939      | 93.9       | 90-113%   |
| Nitrogen, Total Kjeldahl    | GP38879/GN76946 | 0.20 | 0.0       | mg/l  | 2            | 1.94       | 97.0       | 90-110%   |
| Solids, Total Dissolved     | GN76925         | 10   | 0.0       | mg/l  | 500          | 482        | 96.4       | 88-110%   |
| Solids, Total Dissolved     | GN76942         | 10   | 0.0       | mg/l  | 500          | 489        | 97.8       | 88-110%   |
| Sulfate                     | GP38895/GN76977 | 0.60 | 0.0       | mg/l  | 10           | 10.4       | 104.0      | 90-110%   |
| Sulfate                     | GP38937/GN77035 | 0.60 | 0.0       | mg/l  | 10           | 9.89       | 98.9       | 90-110%   |

Associated Samples:

Batch GN76889: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GN76890: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GN76891: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GN76892: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GN76925: TC93635-1, TC93635-2, TC93635-3  
 Batch GN76942: TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GP38858: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GP38879: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GP38895: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GP38937: TC93635-5, TC93635-6, TC93635-9  
 (\*) Outside of QC limits

51  
5

DUPLICATE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: TC93635  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                     | Batch ID        | QC Sample  | Units | Original Result | DUP Result | RPD | QC Limits |
|-----------------------------|-----------------|------------|-------|-----------------|------------|-----|-----------|
| Alkalinity, Bicarbonate     | GN76890         | TC93635-10 | mg/l  | 250             | 250        | 0.0 | 0-10%     |
| Alkalinity, Carbonate       | GN76891         | TC93635-10 | mg/l  | 0.66 U          | 0.0        | 0.0 | 0-20%     |
| Alkalinity, Total as CaCO3  | GN76889         | TC93635-10 | mg/l  | 250             | 250        | 0.0 | 0-10%     |
| Chloride                    | GP38895/GN76977 | TC93635-10 | mg/l  | 62.9            | 62.3       | 1.0 | 0-20%     |
| Chloride                    | GP38937/GN77035 | TC93837-1  | mg/l  | 0.0             | 0.0        | 0.0 | 0-20%     |
| Hydroxide Alkalinity        | GN76892         | TC93635-10 | mg/l  | 0.66 U          | 0.0        |     | 0-%       |
| Nitrogen, Nitrate + Nitrite | GP38858/GN76921 | TC93635-10 | mg/l  | 0.19            | 0.18       | 5.4 | 0-16%     |
| Nitrogen, Total Kjeldahl    | GP38879/GN76946 | TC93635-10 | mg/l  | 0.10 U          | 0.0        | 0.0 | 0-20%     |
| Solids, Total Dissolved     | GN76925         | LA26760-1  | mg/l  | 20500           | 20600      | 0.5 | 0-5%      |
| Solids, Total Dissolved     | GN76942         | TC93635-10 | mg/l  | 500             | 497        | 0.6 | 0-5%      |
| Sulfate                     | GP38895/GN76977 | TC93635-10 | mg/l  | 68.2            | 67.8       | 0.6 | 0-20%     |
| Sulfate                     | GP38937/GN77035 | TC93837-1  | mg/l  | 0.0             | 0.0        | 0.0 | 0-20%     |

Associated Samples:

Batch GN76889: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GN76890: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GN76891: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GN76892: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GN76925: TC93635-1, TC93635-2, TC93635-3  
 Batch GN76942: TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GP38858: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GP38879: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GP38895: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GP38937: TC93635-5, TC93635-6, TC93635-9  
 (\*) Outside of QC limits

5.2  
5

MATRIX SPIKE RESULTS SUMMARY  
GENERAL CHEMISTRY

Login Number: TC93635  
Account: WESTAZT - Weston Solutions, Inc.  
Project: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

| Analyte                     | Batch ID        | QC Sample  | Units | Original Result | Spike Amount | MS Result | %Rec  | QC Limits |
|-----------------------------|-----------------|------------|-------|-----------------|--------------|-----------|-------|-----------|
| Alkalinity, Total as CaCO3  | GN76889         | TC93635-10 | mg/l  | 250             | 25           | 270       | 88.0  | 75-117%   |
| Chloride                    | GP38895/GN76977 | TC93635-10 | mg/l  | 62.9            | 100          | 178       | 115.1 | 80-120%   |
| Chloride                    | GP38937/GN77035 | TC93837-1  | mg/l  | 0.0             | 10           | 11.0      | 110.0 | 80-120%   |
| Nitrogen, Nitrate + Nitrite | GP38858/GN76921 | TC93635-10 | mg/l  | 0.19            | 1            | 1.2       | 101.0 | 90-110%   |
| Nitrogen, Total Kjeldahl    | GP38879/GN76946 | TC93635-10 | mg/l  | 0.10 U          | 2            | 2.1       | 105.0 | 90-110%   |
| Sulfate                     | GP38895/GN76977 | TC93635-10 | mg/l  | 68.2            | 100          | 183       | 114.8 | 80-120%   |
| Sulfate                     | GP38937/GN77035 | TC93837-1  | mg/l  | 0.0             | 10           | 11.0      | 110.0 | 80-120%   |

Associated Samples:

Batch GN76889: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GP38858: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GP38879: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GP38895: TC93635-1, TC93635-2, TC93635-3, TC93635-4, TC93635-5, TC93635-6, TC93635-7, TC93635-9, TC93635-10  
 Batch GP38937: TC93635-5, TC93635-6, TC93635-9

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

5.3  
5

Misc. Forms

Custody Documents and Other Forms

(SGS Accutest Lafayette)

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Includes the following where applicable:

- Chain of Custody



ACCUTEST

CHAIN OF CUSTODY

10165 Harwin Drive, Houston, TX 77036  
TEL: 713-271-4700 FAX: 713-271-4770  
www.sgs.com

|                      |                             |
|----------------------|-----------------------------|
| FED EX Tracking #    | Bottle Order Control #      |
| SGS Accutest Quote # | SGS Accutest Job<br>TC93635 |

| Client / Reporting Information                                                                                                                                                                                                                                                                                                           |                                  |                                      | Project Information                                                                   |                                             |                           |                |                           |                    |                           |                |                           |                    | Requested Analysis ( see TEST CODE sheet)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                           |                    |                           |                |                           |  |  |  | Matrix Codes                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------|---------------------------|----------------|---------------------------|--------------------|---------------------------|----------------|---------------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------|--------------------|---------------------------|----------------|---------------------------|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| Company Name:<br><b>SGS Accutest</b>                                                                                                                                                                                                                                                                                                     |                                  |                                      | Project Name:<br><b>La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico</b> |                                             |                           |                |                           |                    |                           |                |                           |                    | AG, AL, AS, B, BA, CA, CD, CO, CR, CU, K, MG, MN, MO, NA, NI, SF, SR, TL, UMS, V, ZN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                           |                    |                           |                |                           |  |  |  | DW - Drinking Water<br>GW - Ground Water<br>WW - Water<br>SW - Surface Water<br>SO - Soil<br>SL - Sludge<br>SED - Sediment<br>CI - Oil<br>LIQ - Other Liquid<br>AIR - Air<br>SOL - Other Solid<br>WP - Wipo<br>FB - Field Blank<br>EB - Equipment Blank<br>RB - Rinse Blank<br>TB - Trip Blank |  |  |  |  |  |  |  |  |  |
| Street Address:<br><b>10165 Harwin Drive</b>                                                                                                                                                                                                                                                                                             |                                  |                                      | Street:<br><b>La Bajada Mine</b>                                                      |                                             |                           |                |                           |                    |                           |                |                           |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    |                           |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| City State Zip:<br><b>Houston TX 77035</b>                                                                                                                                                                                                                                                                                               |                                  |                                      | Billing Information ( If different from Report to )<br>Company Name:                  |                                             |                           |                |                           |                    |                           |                |                           |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    |                           |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| Project Contact:<br><b>long.nguyen2@sgs.com</b>                                                                                                                                                                                                                                                                                          |                                  |                                      | Project #:                                                                            |                                             |                           |                |                           |                    |                           |                |                           |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    |                           |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| Phone #:<br><b>713-271-4700</b>                                                                                                                                                                                                                                                                                                          |                                  |                                      | Client Purchase Order #:                                                              |                                             |                           |                |                           |                    |                           |                |                           |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    |                           |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| Sample(s) Name(s):                                                                                                                                                                                                                                                                                                                       |                                  |                                      | Project Manager:                                                                      |                                             |                           |                |                           |                    |                           |                |                           |                    | Attention:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                           |                    |                           |                |                           |  |  |  | Matrix Codes                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |  |  |  |
| SGS Accutest Sample #                                                                                                                                                                                                                                                                                                                    | Field ID / Point of Collection   |                                      | MECH/VAL #                                                                            | Date                                        |                           | Time           | Sampled by                | Matrix             | # of bottles              | HCl            | MCH                       | HRD                | HBOA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | NONE           | DI Water                  | MCH                | ENOCITE                   | LAB USE ONLY   |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| 1F                                                                                                                                                                                                                                                                                                                                       | LB-SW1-101816                    |                                      |                                                                                       | 10/18/16                                    | 3:30:00                   | PM             | AQ                        | 1                  |                           |                | X                         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    | X                         |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| 2F                                                                                                                                                                                                                                                                                                                                       | LB-SW2-101816                    |                                      |                                                                                       | 10/18/16                                    | 2:27:00                   | PM             | AQ                        | 1                  |                           |                | X                         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    | X                         |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| 3F                                                                                                                                                                                                                                                                                                                                       | LB-MW1-101816                    |                                      |                                                                                       | 10/18/16                                    | 4:50:00                   | PM             | AQ                        | 1                  |                           |                | X                         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    | X                         |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| 4F                                                                                                                                                                                                                                                                                                                                       | LB-MW2-101916                    |                                      |                                                                                       | 10/19/16                                    | 9:25:00                   | AM             | AQ                        | 1                  |                           |                | X                         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    | X                         |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| 5F                                                                                                                                                                                                                                                                                                                                       | LB-MW3-101916                    |                                      |                                                                                       | 10/19/16                                    | 10:55:00                  | AM             | AQ                        | 1                  |                           |                | X                         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    | X                         |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| 6F                                                                                                                                                                                                                                                                                                                                       | LB-MW3-101916-D                  |                                      |                                                                                       | 10/19/16                                    | 10:55:00                  | AM             | AQ                        | 1                  |                           |                | X                         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    | X                         |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| 7F                                                                                                                                                                                                                                                                                                                                       | LB-MW5-101916                    |                                      |                                                                                       | 10/19/16                                    | 12:55:00                  | PM             | AQ                        | 1                  |                           |                | X                         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    | X                         |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| 8F                                                                                                                                                                                                                                                                                                                                       | LB-EB1-101916                    |                                      |                                                                                       | 10/19/16                                    | 1:55:00                   | PM             | AQ                        | 1                  |                           |                | X                         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    | X                         |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| 9F                                                                                                                                                                                                                                                                                                                                       | LB-MW4-101916                    |                                      |                                                                                       | 10/19/16                                    | 2:35:00                   | PM             | AQ                        | 1                  |                           |                | X                         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    | X                         |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| 10F                                                                                                                                                                                                                                                                                                                                      | LB-MW7-101916                    |                                      |                                                                                       | 10/19/16                                    | 3:40:00                   | PM             | AQ                        | 1                  |                           |                | X                         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    | X                         |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| 10FD                                                                                                                                                                                                                                                                                                                                     | LB-MW7-101916 MSD                |                                      |                                                                                       | 10/19/16                                    | 3:40:00                   | PM             | AQ                        | 1                  |                           |                | X                         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    | X                         |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| 10FS                                                                                                                                                                                                                                                                                                                                     | LB-MW7-101916 MS                 |                                      |                                                                                       | 10/19/16                                    | 3:40:00                   | PM             | AQ                        | 1                  |                           |                | X                         |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    | X                         |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| Turnaround Time ( Business days )                                                                                                                                                                                                                                                                                                        |                                  |                                      | Data Deliverable Information                                                          |                                             |                           |                |                           |                    |                           |                |                           |                    | Comments / Special Instructions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    |                           |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| <input type="checkbox"/> Std. 10 Business Days<br><input type="checkbox"/> 5 Day RUSH<br><input type="checkbox"/> 3 Day EMERGENCY<br><input type="checkbox"/> 2 Day EMERGENCY<br><input type="checkbox"/> 1 Day EMERGENCY<br><input checked="" type="checkbox"/> other Due 11/3/2016<br>Emergency & Rush T/A rates available VIA Loblink |                                  |                                      | Approved By (SGS Accutest PM): / Date:<br>_____<br>_____<br>_____<br>_____<br>_____   |                                             |                           |                |                           |                    |                           |                |                           |                    | <input type="checkbox"/> Commercial "A" (Level 1) <input type="checkbox"/> NYASP Category A<br><input type="checkbox"/> Commercial "B" (Level 2) <input type="checkbox"/> NYASP Category B<br><input type="checkbox"/> FULLT1 (Level 3+4) <input type="checkbox"/> State Forms<br><input type="checkbox"/> NJ Reduced <input type="checkbox"/> EDD Format<br><input type="checkbox"/> Commercial "C" <input checked="" type="checkbox"/> Other COMMB<br>Commercial "A" = Results Only<br>Commercial "B" = Results + QC Summary<br>NJ Reduced = Results + QC Summary + Partial Raw data |                |                           |                    |                           |                |                           |  |  |  | (302)                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |  |  |  |
| Sample Custody must be documented below each time samples change possession, including courier delivery.                                                                                                                                                                                                                                 |                                  |                                      |                                                                                       |                                             |                           |                |                           |                    |                           |                |                           |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    |                           |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| Relinquished By: 1                                                                                                                                                                                                                                                                                                                       | Date Time: 10/21/16 6:00         | Received By: 2                       | Date Time: 10/21/16 6:00                                                              | Relinquished By: 3                          | Date Time: 10/21/16 11:00 | Received By: 4 | Date Time: 10/21/16 11:00 | Relinquished By: 5 | Date Time: 10/21/16 11:00 | Received By: 5 | Date Time: 10/21/16 11:00 | Relinquished By: 5 | Date Time: 10/21/16 11:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Received By: 5 | Date Time: 10/21/16 11:00 | Relinquished By: 5 | Date Time: 10/21/16 11:00 | Received By: 5 | Date Time: 10/21/16 11:00 |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |
| Customer Sign: CADC                                                                                                                                                                                                                                                                                                                      | Impact: <input type="checkbox"/> | Not Impact: <input type="checkbox"/> | Preserved where applicable: EL                                                        | On Ice: <input checked="" type="checkbox"/> | Cooler Temp: 3.9          | DUAL: 60       |                           |                    |                           |                |                           |                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                           |                    |                           |                |                           |  |  |  |                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |

TC93635: Chain of Custody  
Page 1 of 5  
SGS Accutest Lafayette

6.1 6

Date / Time: 10/21/2016 12:43:51 PM

CSR: LONGN

Job #: TC93635

Client Project: La Bajada Mine GW Sampling - Santo Domingo Pu

Deliverable: COMMB

TAT: Due 11/3/2016

Sub Lab: Accutest Gulf Coast Louisiana

Address: 500 Ambassador Caffery Prkway

City: Scott

State: LA

Zip: 70583

Contact: Sample Receiving

Phone: 800-304-5227

| SGS Accutest Sample # | Client Sample Description | Analysis                                                              | Location | Sampled By | Date Sampled | Time Sampled | Aliquot |
|-----------------------|---------------------------|-----------------------------------------------------------------------|----------|------------|--------------|--------------|---------|
| TC93635-1F            | LB-SW1-101816             | AG,AL,AS,B,BA,CA,CD,CO,CR,CU,K<br>MG,MN,MO,NA,NI,SB,SR,TL,UMS,V<br>ZN |          |            | 10/18/2016   | 3:30:00 PM   |         |
| TC93635-2F            | LB-SW2-101816             | AG,AL,AS,B,BA,CA,CD,CO,CR,CU,K<br>MG,MN,MO,NA,NI,SB,SR,TL,UMS,V<br>ZN |          |            | 10/18/2016   | 2:27:00 PM   |         |
| TC93635-3F            | LB-MW1-101816             | AG,AL,AS,B,BA,CA,CD,CO,CR,CU,K<br>MG,MN,MO,NA,NI,SB,SR,TL,UMS,V<br>ZN |          |            | 10/18/2016   | 4:50:00 PM   |         |
| TC93635-4F            | LB-MW2-101916             | AG,AL,AS,B,BA,CA,CD,CO,CR,CU,K<br>MG,MN,MO,NA,NI,SB,SR,TL,UMS,V<br>ZN |          |            | 10/19/2016   | 9:25:00 AM   |         |
| TC93635-5F            | LB-MW3-101916             | AG,AL,AS,B,BA,CA,CD,CO,CR,CU,K<br>MG,MN,MO,NA,NI,SB,SR,TL,UMS,V<br>ZN |          |            | 10/19/2016   | 10:55:00 AM  |         |
| TC93635-6F            | LB-MW3-101916-D           | AG,AL,AS,B,BA,CA,CD,CO,CR,CU,K<br>MG,MN,MO,NA,NI,SB,SR,TL,UMS,V<br>ZN |          |            | 10/19/2016   | 10:55:00 AM  |         |
| TC93635-7F            | LB-MW5-101916             | AG,AL,AS,B,BA,CA,CD,CO,CR,CU,K<br>MG,MN,MO,NA,NI,SB,SR,TL,UMS,V<br>ZN |          |            | 10/19/2016   | 12:55:00 PM  |         |
| TC93635-8F            | LB-EB1-101916             | AG,AL,AS,B,BA,CA,CD,CO,CR,CU,K<br>MG,MN,MO,NA,NI,SB,SR,TL,UMS,V<br>ZN |          |            | 10/19/2016   | 1:55:00 PM   |         |
| TC93635-9F            | LB-MW4-101916             | AG,AL,AS,B,BA,CA,CD,CO,CR,CU,K<br>MG,MN,MO,NA,NI,SB,SR,TL,UMS,V<br>ZN |          |            | 10/19/2016   | 2:35:00 PM   |         |

#70 (3) 350ml (1103)(303)  
 #1 100ml + 9 350ml (1103)(303)

TC93635: Chain of Custody

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|              |                   |                                                                                            |            |            |
|--------------|-------------------|--------------------------------------------------------------------------------------------|------------|------------|
| TC93635-10F  | LB-MW7-101916     | AG, AL, AS, B, BA, CA, CD, CO, CR, CU, K,<br>MG, MN, MO, NA, NI, SB, SR, TL, UMS, V,<br>Zn | 10/19/2016 | 3:40:00 PM |
| TC93635-10FD | LB-MW7-101916 MSD | AG, AL, AS, B, BA, CA, CD, CO, CR, CU, K,<br>MG, MN, MO, NA, NI, SB, SR, TL, UMS, V,<br>Zn | 10/19/2016 | 3:40:00 PM |
| TC93635-10FS | LB-MW7-101916 MS  | AG, AL, AS, B, BA, CA, CD, CO, CR, CU, K,<br>MG, MN, MO, NA, NI, SB, SR, TL, UMS, V,<br>Zn | 10/19/2016 | 3:40:00 PM |

Comments:

Sample Management Receipt: \_\_\_\_\_

Date: \_\_\_\_\_

**TC93635: Chain of Custody**  
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**PHOENIX**  
**ACCUTEST**

**CHAIN OF CUSTODY**

2105 Lundy Ave, San Jose, CA 95131  
(408) 588-0200 FAX: (408) 588-0201

FED-EX Tracking # \_\_\_\_\_ Bottle Order Control # \_\_\_\_\_  
SGS Accutest Quote # \_\_\_\_\_ SGS Accutest NC Job #: C **TC93635**

| Client / Reporting Information                                                                                                                                                                                                                                      |                                               |                    |      | Project Information                               |        |                      |     |                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                           |     | Requested Analysis                                                                    |      |               |       |                      |        |   |   |   |   | Matrix Codes                                                                                                                                                            |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--------------------|------|---------------------------------------------------|--------|----------------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------------------------------------------|-----|---------------------------------------------------------------------------------------|------|---------------|-------|----------------------|--------|---|---|---|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name<br><b>WESTON SOLUTIONS</b>                                                                                                                                                                                                                             |                                               |                    |      | Project Name:<br><b>LA BAJADA</b>                 |        |                      |     |                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                           |     |                                                                                       |      |               |       |                      |        |   |   |   |   | WW- Wastewater<br>GW- Ground Water<br>SW- Surface Water<br>SO- Soil<br>DL-Oil<br>WP-Wipe<br>LIQ - Non-aqueous Liquid<br>AIR<br>DW- Drinking Water<br>(Perchlorate Only) |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Address<br><b>900 W. Elliot Rd #101</b>                                                                                                                                                                                                                             |                                               |                    |      | Street                                            |        |                      |     |                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                           |     |                                                                                       |      |               |       |                      |        |   |   |   |   | LAB USE ONLY                                                                                                                                                            |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| City<br><b>Tempe</b>                                                                                                                                                                                                                                                |                                               | State<br><b>AZ</b> |      | Zip<br><b>85284</b>                               |        | City                 |     | State                                                                                                                                                                                                                                                                                                                                                                                                                     |      |                                           |     |                                                                                       |      |               |       |                      |        |   |   |   |   |                                                                                                                                                                         |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Contact<br><b>Barb Wethington</b>                                                                                                                                                                                                                           |                                               |                    |      | Project #                                         |        |                      |     |                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                           |     |                                                                                       |      |               |       |                      |        |   |   |   |   |                                                                                                                                                                         |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phone #<br><b>480-477-4911</b>                                                                                                                                                                                                                                      |                                               |                    |      | EMAIL:<br><b>B.Wethington@westonsolutions.com</b> |        |                      |     |                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                           |     |                                                                                       |      |               |       |                      |        |   |   |   |   |                                                                                                                                                                         |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Samplers Name<br><b>Greg Roussos</b>                                                                                                                                                                                                                                |                                               |                    |      | Client Purchase Order #                           |        |                      |     |                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                           |     |                                                                                       |      |               |       |                      |        |   |   |   |   |                                                                                                                                                                         |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SGS Accutest Sample ID                                                                                                                                                                                                                                              | Sample ID / Field Point / Point of Collection | Date               | Time | Sampled by                                        | Matrix | # of bottles         | ACI | NADH                                                                                                                                                                                                                                                                                                                                                                                                                      | INOS | ASCA                                      | NO3 | NO2                                                                                   | PHOS | AMON          | AMON2 | MEDH                 | ENCORE |   |   |   |   |                                                                                                                                                                         |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1                                                                                                                                                                                                                                                                   | LB-SW1-101816                                 | 10/18/16           | 1530 | GR                                                | GW     | 4                    |     |                                                                                                                                                                                                                                                                                                                                                                                                                           | 2    | 1                                         | 1   |                                                                                       |      |               |       |                      |        | X | X | X | X | X                                                                                                                                                                       | X | X |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2                                                                                                                                                                                                                                                                   | LB-SW2-101816                                 | ↓                  | 1427 |                                                   |        | 4                    |     |                                                                                                                                                                                                                                                                                                                                                                                                                           | 2    | 1                                         | 1   |                                                                                       |      |               |       |                      |        | X | X | X | X | X                                                                                                                                                                       | X | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3                                                                                                                                                                                                                                                                   | LB-MW1-101816                                 | ↓                  | 1650 |                                                   |        | 4                    |     |                                                                                                                                                                                                                                                                                                                                                                                                                           | 2    | 1                                         | 1   |                                                                                       |      |               |       |                      |        | X | X | X | X | X                                                                                                                                                                       | X | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4                                                                                                                                                                                                                                                                   | LB-MW2-101916                                 | Ⓟ 10/19/16         | 0925 |                                                   |        | 4                    |     |                                                                                                                                                                                                                                                                                                                                                                                                                           | 1    | 1                                         | 2   |                                                                                       |      |               |       |                      |        | X | X | X | X | X                                                                                                                                                                       | X | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                                                                                                                                                                                                                                                                   | LB-MW3-101916                                 | Ⓟ                  | 1055 |                                                   |        | 4                    |     |                                                                                                                                                                                                                                                                                                                                                                                                                           | 1    | 1                                         | 2   |                                                                                       |      |               |       |                      |        | X | X | X | X | X                                                                                                                                                                       | X | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6                                                                                                                                                                                                                                                                   | LB-MW3-101916-B                               | Ⓟ                  | 1055 |                                                   |        | 4                    |     |                                                                                                                                                                                                                                                                                                                                                                                                                           | 1    | 1                                         | 2   |                                                                                       |      |               |       |                      |        | X | X | X | X | X                                                                                                                                                                       | X | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7                                                                                                                                                                                                                                                                   | LB-MW5-101916                                 | Ⓟ                  | 1255 |                                                   |        | 4                    |     |                                                                                                                                                                                                                                                                                                                                                                                                                           | 1    | 1                                         | 2   |                                                                                       |      |               |       |                      |        | X | X | X | X | X                                                                                                                                                                       | X | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8                                                                                                                                                                                                                                                                   | LB-EB1-101916                                 | Ⓟ                  | 1355 |                                                   |        | 2                    |     |                                                                                                                                                                                                                                                                                                                                                                                                                           | 1    | 1                                         |     |                                                                                       |      |               |       |                      |        | X | X |   |   |                                                                                                                                                                         |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9                                                                                                                                                                                                                                                                   | LB-MW4-101916                                 | Ⓟ                  | 1435 |                                                   |        | 4                    |     |                                                                                                                                                                                                                                                                                                                                                                                                                           | 1    | 1                                         | 2   |                                                                                       |      |               |       |                      |        | Y | X | X | X | X                                                                                                                                                                       | X | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                                                                                                                                                                                                                                                                  | LB-MW7-101916                                 | Ⓟ                  | 1540 |                                                   |        | 12                   |     |                                                                                                                                                                                                                                                                                                                                                                                                                           | 3    | 3                                         | 6   |                                                                                       |      |               |       |                      |        | X | X | X | X | X                                                                                                                                                                       | X | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Turnaround Time (Business days)                                                                                                                                                                                                                                     |                                               |                    |      | Data Deliverable Information                      |        |                      |     |                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                           |     | Comments / Remarks                                                                    |      |               |       |                      |        |   |   |   |   |                                                                                                                                                                         |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| <input checked="" type="checkbox"/> 10 Day<br><input type="checkbox"/> 5 Day<br><input type="checkbox"/> 3 Day<br><input type="checkbox"/> 2 Day<br><input type="checkbox"/> 1 Day<br><input type="checkbox"/> Same Day<br>Emergency T/A data available VIA Lablink |                                               |                    |      | Approved By/ Date: _____<br>_____                 |        |                      |     | <input type="checkbox"/> Commercial "A" - Results only<br><input type="checkbox"/> Commercial "B" - Results with QC summaries<br><input type="checkbox"/> Commercial "B+" - Results, QC, and chromatograms<br><input type="checkbox"/> FULT1 - Level 4 data package<br><input type="checkbox"/> EDF for Geotracker <input type="checkbox"/> EDD Format _____<br>Provide EDF Global ID _____<br>Provide EDF Logcode: _____ |      |                                           |     | MS/MSD on LB-MW7-101916<br>* preserve Radium bottles upon arrival<br>on all Ⓟ samples |      |               |       |                      |        |   |   |   |   |                                                                                                                                                                         |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sample Custody must be documented below each time samples change possession, including courier delivery.                                                                                                                                                            |                                               |                    |      |                                                   |        |                      |     |                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                           |     |                                                                                       |      |               |       |                      |        |   |   |   |   |                                                                                                                                                                         |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by Sampler:                                                                                                                                                                                                                                            |                                               | Date Time:         |      | Received By:                                      |        | Relinquished By:     |     | Date Time:                                                                                                                                                                                                                                                                                                                                                                                                                |      | Received By:                              |     | Relinquished By:                                                                      |      | Date Time:    |       | Received By:         |        |   |   |   |   |                                                                                                                                                                         |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 <i>[Signature]</i>                                                                                                                                                                                                                                                |                                               | 10/19/16 1800      |      | 1 <b>FEDUX</b>                                    |        | 2 <i>[Signature]</i> |     | 10/20/16 0930                                                                                                                                                                                                                                                                                                                                                                                                             |      | 3 <i>[Signature]</i>                      |     | 4 <i>[Signature]</i>                                                                  |      | 10/20/16 0930 |       | 5 <i>[Signature]</i> |        |   |   |   |   |                                                                                                                                                                         |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by:                                                                                                                                                                                                                                                    |                                               | Date Time:         |      | Received By:                                      |        | Custody Seal #       |     | Appropriate Bottle / Pres. Y / N                                                                                                                                                                                                                                                                                                                                                                                          |      | Headspace Y / N                           |     | On Ice Y / N                                                                          |      | Cooler Temp.  |       |                      |        |   |   |   |   |                                                                                                                                                                         |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 <i>[Signature]</i>                                                                                                                                                                                                                                                |                                               | 10/20/16 1520      |      | 5                                                 |        |                      |     | Labels match Coc? Y / N                                                                                                                                                                                                                                                                                                                                                                                                   |      | Separate Receiving Check List used: Y / N |     | 3.0                                                                                   |      | 2.6 2.4 oc    |       |                      |        |   |   |   |   |                                                                                                                                                                         |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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TC93635: Chain of Custody

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## Accutest Laboratories Sample Receipt Summary

Job Number: TC93635

Client: SGS ACCUTEST

Project: WESTON SOLUTIONS

Date / Time Received: 10/21/2016 11:00:00 AM

Delivery Method: Accutest Courier

Airbill #s: \_\_\_\_\_

Cooler Temps (Initial/Adjusted): #1: (3.7/3.7):

**Cooler Security**

- |                           |                                     |           |                          |                       |                                     |           |                          |
|---------------------------|-------------------------------------|-----------|--------------------------|-----------------------|-------------------------------------|-----------|--------------------------|
|                           | <u>Y</u>                            | <u>or</u> | <u>N</u>                 |                       | <u>Y</u>                            | <u>or</u> | <u>N</u>                 |
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> | 3. COC Present:       | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 2. Custody Seals Intact:  | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |

**Cooler Temperature**

- |                            |                                     |           |                          |
|----------------------------|-------------------------------------|-----------|--------------------------|
|                            | <u>Y</u>                            | <u>or</u> | <u>N</u>                 |
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 2. Thermometer ID:         | <u>DV260;</u>                       |           |                          |
| 3. Cooler media:           | <u>Ice (direct contact)</u>         |           |                          |
| 4. No. Coolers:            | <u>1</u>                            |           |                          |

**Quality Control Preservation**

- |                                 |                                     |           |                          |                                     |
|---------------------------------|-------------------------------------|-----------|--------------------------|-------------------------------------|
|                                 | <u>Y</u>                            | <u>or</u> | <u>N</u>                 | <u>N/A</u>                          |
| 1. Trip Blank present / cooler: | <input type="checkbox"/>            |           | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC:    | <input type="checkbox"/>            |           | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly:  | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |                                     |
| 4. VOCs headspace free:         | <input type="checkbox"/>            |           | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

**Sample Integrity - Documentation**

- |                                        |                                     |           |                          |
|----------------------------------------|-------------------------------------|-----------|--------------------------|
|                                        | <u>Y</u>                            | <u>or</u> | <u>N</u>                 |
| 1. Sample labels present on bottles:   | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 2. Container labeling complete:        | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |

**Sample Integrity - Condition**

- |                                  |                                     |           |                          |
|----------------------------------|-------------------------------------|-----------|--------------------------|
|                                  | <u>Y</u>                            | <u>or</u> | <u>N</u>                 |
| 1. Sample recvd within HT:       | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> |           | <input type="checkbox"/> |
| 3. Condition of sample:          | <u>Intact</u>                       |           |                          |

**Sample Integrity - Instructions**

- |                                           |                                     |           |                                     |                                     |
|-------------------------------------------|-------------------------------------|-----------|-------------------------------------|-------------------------------------|
|                                           | <u>Y</u>                            | <u>or</u> | <u>N</u>                            | <u>N/A</u>                          |
| 1. Analysis requested is clear:           | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |                                     |
| 2. Bottles received for unspecified tests | <input type="checkbox"/>            |           | <input checked="" type="checkbox"/> |                                     |
| 3. Sufficient volume recvd for analysis:  | <input checked="" type="checkbox"/> |           | <input type="checkbox"/>            |                                     |
| 4. Compositing instructions clear:        | <input type="checkbox"/>            |           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear:          | <input type="checkbox"/>            |           | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

Comments

TC93635: Chain of Custody

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## Metals Analysis

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### QC Data Summaries

(SGS Accutest Lafayette)

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Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: TC93635  
Account: ALGC - SGS Accutest Gulf Coast  
Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP5585  
Matrix Type: AQUEOUS

Methods: EPA 200.7  
Units: ug/l

Prep Date: 10/31/16

| Metal      | RL  | IDL | MDL | MB<br>raw | final |
|------------|-----|-----|-----|-----------|-------|
| Aluminum   | 100 | 14  | 24  | -14       | <100  |
| Antimony   | 6.0 | 1.2 | 3.3 | 0.19      | <6.0  |
| Arsenic    | 10  | 1.1 | 3.2 | 2.6       | <10   |
| Barium     | 10  | .21 | .9  | -3.0      | <10   |
| Beryllium  | 4.0 | .03 | .8  | 0.080     | <4.0  |
| Boron      | 100 | .95 | 3.7 | 7.2       | <100  |
| Cadmium    | 5.0 | .13 | .6  | -0.51     | <5.0  |
| Calcium    | 100 | 5.1 | 11  | 2.3       | <100  |
| Chromium   | 10  | .29 | 1.2 | -1.8      | <10   |
| Cobalt     | 10  | .15 | .7  | 0.17      | <10   |
| Copper     | 10  | .43 | 2.9 | -0.96     | <10   |
| Iron       | 100 | 2.8 | 14  |           |       |
| Lead       | 10  | .9  | 2.6 |           |       |
| Magnesium  | 100 | 18  | 39  | 7.1       | <100  |
| Manganese  | 10  | .05 | .6  | 0.40      | <10   |
| Molybdenum | 10  | .15 | .7  | 0.39      | <10   |
| Nickel     | 10  | .3  | 1.2 | 0.040     | <10   |
| Potassium  | 500 | 25  | 33  | -21       | <500  |
| Selenium   | 10  | 1.7 | 4.2 |           |       |
| Silver     | 10  | .32 | 1   | 0.40      | <10   |
| Sodium     | 500 | 75  | 72  | -5.0      | <500  |
| Strontium  | 10  | .09 | .6  | 0.66      | <10   |
| Thallium   | 5.0 | 1.3 | 2.5 | 2.8       | <5.0  |
| Tin        | 10  | .47 | .7  |           |       |
| Titanium   | 10  | .46 | 1   |           |       |
| Vanadium   | 10  | .33 | 1.6 | 0.31      | <10   |
| Zinc       | 20  | .63 | 4   | 6.0       | <20   |

Associated samples MP5585: TC93635-1F, TC93635-2F, TC93635-3F, TC93635-4F, TC93635-5F, TC93635-6F, TC93635-7F, TC93635-8F, TC93635-9F, TC93635-10F

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

7.1.1  
7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC93635  
 Account: ALGC - SGS Accutest Gulf Coast  
 Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP5585  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 10/31/16

| Metal      | TC93635-10F<br>Original MS |        | SpikeLot<br>ICPSPK1% Rec | QC<br>Limits |        |
|------------|----------------------------|--------|--------------------------|--------------|--------|
| Aluminum   | 53.5                       | 1270   | 1000                     | 121.7        | 70-130 |
| Antimony   | 0.0                        | 1200   | 1000                     | 120.0        | 70-130 |
| Arsenic    | 9.5                        | 1220   | 1000                     | 121.1        | 70-130 |
| Barium     | 59.4                       | 1230   | 1000                     | 117.5        | 70-130 |
| Beryllium  | 0.36                       | 1280   | 1000                     | 128.0        | 70-130 |
| Boron      | 227                        | 1400   | 1000                     | 117.3        | 70-130 |
| Cadmium    | 0.17                       | 1190   | 1000                     | 119.0        | 70-130 |
| Calcium    | 84900                      | 86800  | 1000                     | 190.0(a)     | 70-130 |
| Chromium   | 0.43                       | 1130   | 1000                     | 113.0        | 70-130 |
| Cobalt     | 0.88                       | 1110   | 1000                     | 110.9        | 70-130 |
| Copper     | 4.4                        | 1150   | 1000                     | 114.6        | 70-130 |
| Iron       |                            |        |                          |              |        |
| Lead       |                            |        |                          |              |        |
| Magnesium  | 19300                      | 20700  | 1000                     | 140.0(a)     | 70-130 |
| Manganese  | 1.8                        | 1150   | 1000                     | 114.8        | 70-130 |
| Molybdenum | 7.1                        | 1110   | 1000                     | 110.4        | 70-130 |
| Nickel     | 6.3                        | 1120   | 1000                     | 111.4        | 70-130 |
| Potassium  | 8490                       | 22600  | 10000                    | 137.6N(b)    | 70-130 |
| Selenium   |                            |        |                          |              |        |
| Silver     | 0.0                        | 217    | 1000                     | 21.7N(b)     | 70-130 |
| Sodium     | 105000                     | 116000 | 10000                    | 110.0        | 70-130 |
| Strontium  | 619                        | 1190   | 500                      | 114.2        | 70-130 |
| Thallium   | 0.0                        | 1100   | 1000                     | 109.8        | 70-130 |
| Tin        |                            |        |                          |              |        |
| Titanium   |                            |        |                          |              |        |
| Vanadium   | 12.1                       | 1280   | 1000                     | 126.8        | 70-130 |
| Zinc       | 4.4                        | 1180   | 1000                     | 117.6        | 70-130 |

Associated samples MP5585: TC93635-1F, TC93635-2F, TC93635-3F, TC93635-4F, TC93635-5F, TC93635-6F, TC93635-7F, TC93635-8F, TC93635-9F, TC93635-10F

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

(b) Spike recovery indicates possible matrix interference or sample non-homogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC93635  
 Account: ALGC - SGS Accutest Gulf Coast  
 Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP5585  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 10/31/16

| Metal      | TC93635-10F<br>Original MSD | Spikelot<br>ICPSPIKE1% Rec | MSD<br>RPD | QC<br>Limit |     |    |
|------------|-----------------------------|----------------------------|------------|-------------|-----|----|
| Aluminum   | 53.5                        | 1320                       | 1000       | 126.7       | 3.9 | 20 |
| Antimony   | 0.0                         | 1190                       | 1000       | 119.0       | 0.8 | 20 |
| Arsenic    | 9.5                         | 1220                       | 1000       | 121.1       | 0.0 | 20 |
| Barium     | 59.4                        | 1180                       | 1000       | 112.5       | 4.1 | 20 |
| Beryllium  | 0.36                        | 1260                       | 1000       | 126.0       | 1.6 | 20 |
| Boron      | 227                         | 1380                       | 1000       | 115.3       | 1.4 | 20 |
| Cadmium    | 0.17                        | 1180                       | 1000       | 118.0       | 0.8 | 20 |
| Calcium    | 84900                       | 84400                      | 1000       | -50.0(a)    | 2.8 | 20 |
| Chromium   | 0.43                        | 1130                       | 1000       | 113.0       | 0.0 | 20 |
| Cobalt     | 0.88                        | 1100                       | 1000       | 109.9       | 0.9 | 20 |
| Copper     | 4.4                         | 1160                       | 1000       | 115.6       | 0.9 | 20 |
| Iron       |                             |                            |            |             |     |    |
| Lead       |                             |                            |            |             |     |    |
| Magnesium  | 19300                       | 20000                      | 1000       | 70.0        | 3.4 | 20 |
| Manganese  | 1.8                         | 1150                       | 1000       | 114.8       | 0.0 | 20 |
| Molybdenum | 7.1                         | 1100                       | 1000       | 109.4       | 0.9 | 20 |
| Nickel     | 6.3                         | 1120                       | 1000       | 111.4       | 0.0 | 20 |
| Potassium  | 8490                        | 22000                      | 10000      | 131.6N(b)   | 2.7 | 20 |
| Selenium   |                             |                            |            |             |     |    |
| Silver     | 0.0                         | 225                        | 1000       | 22.5N(b)    | 3.6 | 20 |
| Sodium     | 105000                      | 117000                     | 10000      | 120.0       | 0.9 | 20 |
| Strontium  | 619                         | 1130                       | 500        | 102.2       | 5.2 | 20 |
| Thallium   | 0.0                         | 1100                       | 1000       | 109.8       | 0.0 | 20 |
| Tin        |                             |                            |            |             |     |    |
| Titanium   |                             |                            |            |             |     |    |
| Vanadium   | 12.1                        | 1260                       | 1000       | 124.8       | 1.6 | 20 |
| Zinc       | 4.4                         | 1160                       | 1000       | 115.6       | 1.7 | 20 |

Associated samples MP5585: TC93635-1F, TC93635-2F, TC93635-3F, TC93635-4F, TC93635-5F, TC93635-6F, TC93635-7F, TC93635-8F, TC93635-9F, TC93635-10F

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

(b) Spike recovery indicates possible matrix interference or sample non-homogeneity.

7.1.2  
 7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC93635  
 Account: ALGC - SGS Accutest Gulf Coast  
 Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP5585  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 10/31/16 10/31/16

| Metal      | BSP Result | Spikelot ICPSPK1% Rec | QC Limits | BSP Result | Spikelot AG-LOW % Rec | QC Limits        |
|------------|------------|-----------------------|-----------|------------|-----------------------|------------------|
| Aluminum   | 1050       | 1000                  | 105.0     | 85-115     |                       |                  |
| Antimony   | 1160       | 1000                  | 116.0*(a) | 85-115     |                       |                  |
| Arsenic    | 1150       | 1000                  | 115.0     | 85-115     |                       |                  |
| Barium     | 1130       | 1000                  | 113.0     | 85-115     |                       |                  |
| Beryllium  | 1140       | 1000                  | 114.0     | 85-115     |                       |                  |
| Boron      | 1130       | 1000                  | 113.0     | 85-115     |                       |                  |
| Cadmium    | 1160       | 1000                  | 116.0*(a) | 85-115     |                       |                  |
| Calcium    | 1100       | 1000                  | 110.0     | 85-115     |                       |                  |
| Chromium   | 1120       | 1000                  | 112.0     | 85-115     |                       |                  |
| Cobalt     | 1110       | 1000                  | 111.0     | 85-115     |                       |                  |
| Copper     | 1150       | 1000                  | 115.0     | 85-115     |                       |                  |
| Iron       |            |                       |           |            |                       |                  |
| Lead       |            |                       |           |            |                       |                  |
| Magnesium  | 1010       | 1000                  | 101.0     | 85-115     |                       |                  |
| Manganese  | 1150       | 1000                  | 115.0     | 85-115     |                       |                  |
| Molybdenum | 1060       | 1000                  | 106.0     | 85-115     |                       |                  |
| Nickel     | 1120       | 1000                  | 112.0     | 85-115     |                       |                  |
| Potassium  | 11100      | 10000                 | 111.0     | 85-115     |                       |                  |
| Selenium   |            |                       |           |            |                       |                  |
| Silver     |            |                       |           | 127        | 100                   | 127.0*(a) 85-115 |
| Sodium     | 11400      | 10000                 | 114.0     | 85-115     |                       |                  |
| Strontium  | 559        | 500                   | 111.8     | 85-115     |                       |                  |
| Thallium   | 1150       | 1000                  | 115.0     | 85-115     |                       |                  |
| Tin        |            |                       |           |            |                       |                  |
| Titanium   |            |                       |           |            |                       |                  |
| Vanadium   | 1140       | 1000                  | 114.0     | 85-115     |                       |                  |
| Zinc       | 1150       | 1000                  | 115.0     | 85-115     |                       |                  |

Associated samples MP5585: TC93635-1F, TC93635-2F, TC93635-3F, TC93635-4F, TC93635-5F, TC93635-6F, TC93635-7F, TC93635-8F, TC93635-9F, TC93635-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested  
 (a) All reported results < RL

7.1.3  
7

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC93635  
 Account: ALGC - SGS Accutest Gulf Coast  
 Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP5585  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date: 10/31/16

| Metal      | TC93635-10F<br>Original | SDL 1:5 | %DIF      | QC<br>Limits |
|------------|-------------------------|---------|-----------|--------------|
| Aluminum   | 53.5                    | 808     | 1410.8(a) | 0-10         |
| Antimony   | 0.00                    | 0.00    | NC        | 0-10         |
| Arsenic    | 9.50                    | 6.10    | 35.8 (a)  | 0-10         |
| Barium     | 59.4                    | 34.2    | 37.4 (a)  | 0-10         |
| Beryllium  | 0.360                   | 0.00    | 100.0(a)  | 0-10         |
| Boron      | 227                     | 182     | 20.1*(b)  | 0-10         |
| Cadmium    | 0.00                    | 0.00    | NC        | 0-10         |
| Calcium    | 84900                   | 74400   | 12.4*(b)  | 0-10         |
| Chromium   | 0.00                    | 0.00    | NC        | 0-10         |
| Cobalt     | 0.880                   | 1.96    | 110.8(a)  | 0-10         |
| Copper     | 4.35                    | 0.00    | 100.0(a)  | 0-10         |
| Iron       |                         |         |           |              |
| Lead       |                         |         |           |              |
| Magnesium  | 19300                   | 16500   | 14.5*(b)  | 0-10         |
| Manganese  | 1.78                    | 1.67    | 6.2       | 0-10         |
| Molybdenum | 7.07                    | 7.53    | 22.8 (a)  | 0-10         |
| Nickel     | 6.27                    | 5.19    | 13.9 (a)  | 0-10         |
| Potassium  | 8490                    | 6780    | 23.3*(b)  | 0-10         |
| Selenium   |                         |         |           |              |
| Silver     | 0.00                    | 9.90    | NC        | 0-10         |
| Sodium     | 105000                  | 97400   | 7.0       | 0-10         |
| Strontium  | 619                     | 537     | 13.3*(b)  | 0-10         |
| Thallium   | 0.00                    | 0.00    | NC (a)    | 0-10         |
| Tin        |                         |         |           |              |
| Titanium   |                         |         |           |              |
| Vanadium   | 12.1                    | 11.1    | 8.1       | 0-10         |
| Zinc       | 4.43                    | 119     | 2578.1(a) | 0-10         |

Associated samples MP5585: TC93635-1F, TC93635-2F, TC93635-3F, TC93635-4F, TC93635-5F, TC93635-6F, TC93635-7F, TC93635-8F, TC93635-9F, TC93635-10F

Results < IDL are shown as zero for calculation purposes

(\*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

(b) Serial dilution indicates possible matrix interference.

7.1.4  
7

POST DIGESTATE SPIKE SUMMARY

Login Number: TC93635  
 Account: ALGC - SGS Accutest Gulf Coast  
 Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP5585  
 Matrix Type: AQUEOUS

Methods: EPA 200.7  
 Units: ug/l

Prep Date:

10/31/16

| Metal      | Sample ml | Final ml | TC93635-10F Raw | PS Corr.** | PS ug/l | Spike ml | Spike ug/ml | Spike ug/l | % Rec | QC Limits |
|------------|-----------|----------|-----------------|------------|---------|----------|-------------|------------|-------|-----------|
| Antimony   |           |          |                 |            |         |          |             |            |       |           |
| Arsenic    |           |          |                 |            |         |          |             |            |       |           |
| Barium     |           |          |                 |            |         |          |             |            |       |           |
| Beryllium  |           |          |                 |            |         |          |             |            |       |           |
| Boron      |           |          |                 |            |         |          |             |            |       |           |
| Cadmium    |           |          |                 |            |         |          |             |            |       |           |
| Chromium   |           |          |                 |            |         |          |             |            |       |           |
| Cobalt     |           |          |                 |            |         |          |             |            |       |           |
| Copper     |           |          |                 |            |         |          |             |            |       |           |
| Iron       |           |          |                 |            |         |          |             |            |       |           |
| Lead       |           |          |                 |            |         |          |             |            |       |           |
| Manganese  |           |          |                 |            |         |          |             |            |       |           |
| Molybdenum |           |          |                 |            |         |          |             |            |       |           |
| Nickel     |           |          |                 |            |         |          |             |            |       |           |
| Potassium  | 2         | 10       | 8487.5          | 1768.76    | 3513.1  | 0.02     | 1000        | 2000       | 87.2  | 75-125    |
| Selenium   |           |          |                 |            |         |          |             |            |       |           |
| Silver     | 2         | 10       |                 |            | 215.3   | 0.02     | 100         | 200        | 107.7 | 75-125    |
| Strontium  |           |          |                 |            |         |          |             |            |       |           |
| Thallium   |           |          |                 |            |         |          |             |            |       |           |
| Tin        |           |          |                 |            |         |          |             |            |       |           |
| Titanium   |           |          |                 |            |         |          |             |            |       |           |
| Zinc       |           |          |                 |            |         |          |             |            |       |           |

Associated samples MP5585: TC93635-1F, TC93635-2F, TC93635-3F, TC93635-4F, TC93635-5F, TC93635-6F, TC93635-7F, TC93635-8F, TC93635-9F, TC93635-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (\*\*) Corr. sample result = Raw \* (sample volume / final volume)  
 (anr) Analyte not requested

7.1.5  
7

BLANK RESULTS SUMMARY  
Part 2 - Method Blanks

Login Number: TC93635  
Account: ALGC - SGS Accutest Gulf Coast  
Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP5594  
Matrix Type: AQUEOUS

Methods: EPA 200.8  
Units: ug/l

Prep Date: 10/22/16

| Metal      | RL  | IDL   | MDL  | MB<br>raw | final |
|------------|-----|-------|------|-----------|-------|
| Aluminum   | 50  | 6.4   | 9.2  |           |       |
| Antimony   | 5.0 | .027  | 1    |           |       |
| Arsenic    | 4.0 | .07   | .49  |           |       |
| Barium     | 5.0 | .016  | .71  |           |       |
| Beryllium  | 2.0 | .023  | .25  |           |       |
| Boron      | 20  | .26   | 15   |           |       |
| Cadmium    | 2.0 | .0015 | .21  |           |       |
| Calcium    | 200 | 22    | 44   |           |       |
| Chromium   | 4.0 | .018  | .81  |           |       |
| Cobalt     | 2.0 | .0048 | .36  |           |       |
| Copper     | 2.0 | .02   | .4   |           |       |
| Iron       | 100 | 3.2   | 38   |           |       |
| Lithium    | 2.0 | .071  | .33  |           |       |
| Lead       | 1.0 | .0042 | .1   |           |       |
| Magnesium  | 50  | 3.2   | 23   |           |       |
| Manganese  | 2.0 | .0085 | .52  |           |       |
| Molybdenum | 2.0 | .083  | .5   |           |       |
| Nickel     | 2.0 | .047  | .39  |           |       |
| Potassium  | 75  | 4.1   | 28   |           |       |
| Selenium   | 5.0 | .085  | 1.5  |           |       |
| Silver     | 1.0 | .015  | .15  |           |       |
| Sodium     | 100 | 3     | 47   |           |       |
| Strontium  | 1.0 | .011  | .047 |           |       |
| Thallium   | 2.0 | .0012 | .25  |           |       |
| Tin        | 4.0 | .036  | .83  |           |       |
| Titanium   | 2.0 | .079  | .9   |           |       |
| Uranium    | 1.0 | .0012 | .23  | -0.0050   | <1.0  |
| Vanadium   | 10  | .11   | 1.6  |           |       |
| Zinc       | 6.0 | .83   | 1.8  |           |       |

Associated samples MP5594: TC93635-1F, TC93635-2F, TC93635-3F, TC93635-4F, TC93635-5F, TC93635-6F, TC93635-7F, TC93635-8F, TC93635-9F, TC93635-10F

Results < IDL are shown as zero for calculation purposes  
(\* ) Outside of QC limits  
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC93635  
 Account: ALGC - SGS Accutest Gulf Coast  
 Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP5594  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 10/22/16

| Metal      | TC93635-10F<br>Original MS | SpikeLot<br>MPICPMS5 % Rec | QC<br>Limits |       |        |
|------------|----------------------------|----------------------------|--------------|-------|--------|
| Aluminum   |                            |                            |              |       |        |
| Antimony   |                            |                            |              |       |        |
| Arsenic    |                            |                            |              |       |        |
| Barium     |                            |                            |              |       |        |
| Beryllium  |                            |                            |              |       |        |
| Boron      |                            |                            |              |       |        |
| Cadmium    |                            |                            |              |       |        |
| Calcium    |                            |                            |              |       |        |
| Chromium   |                            |                            |              |       |        |
| Cobalt     |                            |                            |              |       |        |
| Copper     |                            |                            |              |       |        |
| Iron       |                            |                            |              |       |        |
| Lithium    |                            |                            |              |       |        |
| Lead       |                            |                            |              |       |        |
| Magnesium  |                            |                            |              |       |        |
| Manganese  |                            |                            |              |       |        |
| Molybdenum |                            |                            |              |       |        |
| Nickel     |                            |                            |              |       |        |
| Potassium  |                            |                            |              |       |        |
| Selenium   |                            |                            |              |       |        |
| Silver     |                            |                            |              |       |        |
| Sodium     |                            |                            |              |       |        |
| Strontium  |                            |                            |              |       |        |
| Thallium   |                            |                            |              |       |        |
| Tin        |                            |                            |              |       |        |
| Titanium   |                            |                            |              |       |        |
| Uranium    | 14.2                       | 122                        | 100          | 107.8 | 70-130 |
| Vanadium   |                            |                            |              |       |        |
| Zinc       |                            |                            |              |       |        |

Associated samples MP5594: TC93635-1F, TC93635-2F, TC93635-3F, TC93635-4F, TC93635-5F, TC93635-6F, TC93635-7F, TC93635-8F, TC93635-9F, TC93635-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

7.2.2  
 7

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC93635  
 Account: ALGC - SGS Accutest Gulf Coast  
 Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP5594  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 10/22/16

| Metal      | TC93635-10F<br>Original MSD | SpikeLot<br>MPICPMS5 % Rec | MSD<br>RPD | QC<br>Limit |     |    |
|------------|-----------------------------|----------------------------|------------|-------------|-----|----|
| Aluminum   |                             |                            |            |             |     |    |
| Antimony   |                             |                            |            |             |     |    |
| Arsenic    |                             |                            |            |             |     |    |
| Barium     |                             |                            |            |             |     |    |
| Beryllium  |                             |                            |            |             |     |    |
| Boron      |                             |                            |            |             |     |    |
| Cadmium    |                             |                            |            |             |     |    |
| Calcium    |                             |                            |            |             |     |    |
| Chromium   |                             |                            |            |             |     |    |
| Cobalt     |                             |                            |            |             |     |    |
| Copper     |                             |                            |            |             |     |    |
| Iron       |                             |                            |            |             |     |    |
| Lithium    |                             |                            |            |             |     |    |
| Lead       |                             |                            |            |             |     |    |
| Magnesium  |                             |                            |            |             |     |    |
| Manganese  |                             |                            |            |             |     |    |
| Molybdenum |                             |                            |            |             |     |    |
| Nickel     |                             |                            |            |             |     |    |
| Potassium  |                             |                            |            |             |     |    |
| Selenium   |                             |                            |            |             |     |    |
| Silver     |                             |                            |            |             |     |    |
| Sodium     |                             |                            |            |             |     |    |
| Strontium  |                             |                            |            |             |     |    |
| Thallium   |                             |                            |            |             |     |    |
| Tin        |                             |                            |            |             |     |    |
| Titanium   |                             |                            |            |             |     |    |
| Uranium    | 14.2                        | 122                        | 100        | 107.8       | 0.0 | 20 |
| Vanadium   |                             |                            |            |             |     |    |
| Zinc       |                             |                            |            |             |     |    |

Associated samples MP5594: TC93635-1F, TC93635-2F, TC93635-3F, TC93635-4F, TC93635-5F, TC93635-6F, TC93635-7F, TC93635-8F, TC93635-9F, TC93635-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (N) Matrix Spike Rec. outside of QC limits  
 (anr) Analyte not requested

7.2.2  
 7

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC93635  
 Account: ALGC - SGS Accutest Gulf Coast  
 Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP5594  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 10/22/16

| Metal      | BSP Result | Spikelot MPICPMS5 | % Rec | QC Limits |
|------------|------------|-------------------|-------|-----------|
| Aluminum   |            |                   |       |           |
| Antimony   |            |                   |       |           |
| Arsenic    |            |                   |       |           |
| Barium     |            |                   |       |           |
| Beryllium  |            |                   |       |           |
| Boron      |            |                   |       |           |
| Cadmium    |            |                   |       |           |
| Calcium    |            |                   |       |           |
| Chromium   |            |                   |       |           |
| Cobalt     |            |                   |       |           |
| Copper     |            |                   |       |           |
| Iron       |            |                   |       |           |
| Lithium    |            |                   |       |           |
| Lead       |            |                   |       |           |
| Magnesium  |            |                   |       |           |
| Manganese  |            |                   |       |           |
| Molybdenum |            |                   |       |           |
| Nickel     |            |                   |       |           |
| Potassium  |            |                   |       |           |
| Selenium   |            |                   |       |           |
| Silver     |            |                   |       |           |
| Sodium     |            |                   |       |           |
| Strontium  |            |                   |       |           |
| Thallium   |            |                   |       |           |
| Tin        |            |                   |       |           |
| Titanium   |            |                   |       |           |
| Uranium    | 100        | 100               | 100.0 | 85-115    |
| Vanadium   |            |                   |       |           |
| Zinc       |            |                   |       |           |

Associated samples MP5594: TC93635-1F, TC93635-2F, TC93635-3F, TC93635-4F, TC93635-5F, TC93635-6F, TC93635-7F, TC93635-8F, TC93635-9F, TC93635-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

7.2.3  
 7

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC93635  
 Account: ALGC - SGS Accutest Gulf Coast  
 Project: WESTAZT: La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

QC Batch ID: MP5594  
 Matrix Type: AQUEOUS

Methods: EPA 200.8  
 Units: ug/l

Prep Date: 10/22/16

| Metal | TC93635-10F<br>Original SDL 1:5 | %DIF | QC<br>Limits |
|-------|---------------------------------|------|--------------|
|-------|---------------------------------|------|--------------|

|            |      |      |          |
|------------|------|------|----------|
| Aluminum   |      |      |          |
| Antimony   |      |      |          |
| Arsenic    |      |      |          |
| Barium     |      |      |          |
| Beryllium  |      |      |          |
| Boron      |      |      |          |
| Cadmium    |      |      |          |
| Calcium    |      |      |          |
| Chromium   |      |      |          |
| Cobalt     |      |      |          |
| Copper     |      |      |          |
| Iron       |      |      |          |
| Lithium    |      |      |          |
| Lead       |      |      |          |
| Magnesium  |      |      |          |
| Manganese  |      |      |          |
| Molybdenum |      |      |          |
| Nickel     |      |      |          |
| Potassium  |      |      |          |
| Selenium   |      |      |          |
| Silver     |      |      |          |
| Sodium     |      |      |          |
| Strontium  |      |      |          |
| Thallium   |      |      |          |
| Tin        |      |      |          |
| Titanium   |      |      |          |
| Uranium    | 14.2 | 12.9 | 9.0 0-10 |
| Vanadium   |      |      |          |
| Zinc       |      |      |          |

Associated samples MP5594: TC93635-1F, TC93635-2F, TC93635-3F, TC93635-4F, TC93635-5F, TC93635-6F, TC93635-7F, TC93635-8F, TC93635-9F, TC93635-10F

Results < IDL are shown as zero for calculation purposes  
 (\*) Outside of QC limits  
 (anr) Analyte not requested

7.2.4  
7

### Technical Report for

Weston Solutions, Inc.

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico

12767.201.001.0020

SGS Accutest Job Number: TC93635X

Sampling Dates: 10/18/16 - 10/19/16



Report to:

Weston Solutions, Inc.  
960 West Elliot Road Suite 101  
Tempe, AZ 85284  
b.wethington@westonsolutions.com

ATTN: Barbara Wethington

Total number of pages in report: **35**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Richard Rodriguez  
Laboratory Director

Client Service contact: Elvin Kumar 713-271-4700

Certifications: TX (T104704220-16-25) AR (14-016-0) AZ (AZ0769) FL (E87628)  
KS (E-10366) LA (85695/04004) NJ (TX010) OK (2014-172) VA (7654)

This report shall not be reproduced, except in its entirety, without the written approval of SGS Accutest.  
Test results relate only to samples analyzed.

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### Sample Summary

Weston Solutions, Inc.

**Job No:** TC93635X

La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico  
 Project No: 12767.201.001.0020

| Sample Number | Collected |          | Received | Matrix |                    | Client Sample ID |
|---------------|-----------|----------|----------|--------|--------------------|------------------|
|               | Date      | Time By  |          | Code   | Type               |                  |
| TC93635-1X    | 10/18/16  | 15:30    | 10/20/16 | AQ     | Ground Water       | LB-SW1-101816    |
| TC93635-2X    | 10/18/16  | 14:27    | 10/20/16 | AQ     | Ground Water       | LB-SW2-101816    |
| TC93635-3X    | 10/18/16  | 16:50    | 10/20/16 | AQ     | Ground Water       | LB-MW1-101816    |
| TC93635-4X    | 10/19/16  | 09:25    | 10/20/16 | AQ     | Ground Water       | LB-MW2-101916    |
| TC93635-5X    | 10/19/16  | 10:55    | 10/20/16 | AQ     | Ground Water       | LB-MW3-101916    |
| TC93635-6X    | 10/19/16  | 10:55    | 10/20/16 | AQ     | Ground Water       | LB-MW3-101916-D  |
| TC93635-7X    | 10/19/16  | 12:55    | 10/20/16 | AQ     | Ground Water       | LB-MW5-101916    |
| TC93635-8X    | 10/19/16  | 13:55    | 10/20/16 | AQ     | Ground Water       | LB-EB1-101916    |
| TC93635-9X    | 10/19/16  | 14:35    | 10/20/16 | AQ     | Ground Water       | LB-MW4-101916    |
| TC93635-10DX  | 10/19/16  | 15:40 GR | 10/20/16 | AQ     | Water Dup/MSD      | LB-MW7-101916    |
| TC93635-10SX  | 10/19/16  | 15:40 GR | 10/20/16 | AQ     | Water Matrix Spike | LB-MW7-101916    |
| TC93635-10X   | 10/19/16  | 15:40    | 10/20/16 | AQ     | Ground Water       | LB-MW7-101916    |

Subcontract Lab Data

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Report of Analysis

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Summit Environmental Technologies, Inc.  
3310 Win St.  
Cuyahoga Falls, Ohio 44223  
TEL: (330) 253-8211 FAX: (330) 253-4489  
Website: <http://www.settek.com>

November 10, 2016

Anita Patel  
Accutest Laboratories  
10165 Harwin Dr. Ste 150  
Houston, TX 77036  
TEL: 713-271-4700  
FAX: 713-271-4770

RE: La Bajada Mine GW Sampling/TC93635X

Dear Anita Patel:

Order No.: 16101340

Summit Environmental Technologies, Inc. received 12 sample(s) on 10/25/2016 for the analyses presented in the following report.

There were no problems with the analytical events associated with this report unless noted in the Case Narrative.

Quality control data is within laboratory defined or method specified acceptance limits except where noted.

If you have any questions regarding these tests results, please feel free to call the laboratory.

Sincerely,

Soha Gouilos

Project Manager

3310 Win St.  
Cuyahoga Falls, Ohio 44223

Alabama 41600, Arkansas 88-0735, California 07256CA, Colorado, Connecticut PH-0105, Delaware, Florida NELAC E87688, Georgia E87688, Idaho OH00923, Illinois 200061, Indiana C-OH-13, Kansas E-10347, Kentucky (Underground Storage Tank) 3, Kentucky 90146, Louisiana 04061, Maryland 339, Massachusetts M-OPH923, Minnesota 409711, New Hampshire 2996, New Jersey OH006, New York 11777, North Carolina 39705 and 631, North Dakota R-201, Ohio Drinking Water 4170, Ohio VAP CL0052, Oklahoma 9940, Oregon OH200001, Rhode Island LA000317, South Carolina 92016001, Texas T104704466-11-5, Region 8 8TMS-L, USDA/APHIS P330-11-00244, Utah OH009232011-1, Vermont VT-87688, Virginia 00440 and 1581, Washington C891, West Virginia 248 and 9957C and E87688, Wisconsin 399013010



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## Case Narrative

WO#: 16101340

Date: 11/10/2016

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**CLIENT:** Accutest Laboratories  
**Project:** La Bajada Mine GW Sampling/TC93635X

---

### WorkOrder Narrative:

16101340: This report in its entirety consists of the documents listed below. All documents contain the Summit Environmental Technologies, Inc., Work Order Number assigned to this report.

Paginated Report including Cover Letter, Case Narrative, Analytical Results, Applicable Quality Control Summary Reports, and copies of the Chain of Custody Documents are supplied with this sample set.

Concentrations reported with a J-Flag in the Qualifier Field are values below the Limit of Quantitation (LOQ) but greater than the established Method Detection Limit (MDL).

Method numbers, unless specified as SM (Standard Methods) or ASTM, are EPA methods.

Estimated uncertainty values are available upon request.

Analysis performed by DBM, VRM, or SFG were performed at Summit Labs 2608 Eatonton Highway Haddock, GA 31033

All results for Solid Samples are reported on an "as received" or "wet weight" basis unless indicated as "dry weight" using the "-dry" designation on the reporting units.

Summit Environmental Technologies, Inc., holds the accreditations/certifications listed at the bottom of the cover letter that may or may not pertain to this report.

The information contained in this analytical report is the sole property of Summit Environmental Technologies, Inc. and that of the customer. It cannot be reproduced in any form without the consent of Summit Environmental Technologies, Inc. or the customer for which this report was issued. The results contained in this report are only representative of the samples received. Conditions can vary at different times and at different sampling conditions. Summit Environmental Technologies, Inc. is not responsible for use or interpretation of the data included herein.

This report is believed to meet all of the requirements of NELAC or the accrediting / certifying agency. Any comments or problems with the analytical events associated with this report are noted below.

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## Case Narrative

WO#: 16101340  
Date: 11/10/2016

---

**CLIENT:** Accutest Laboratories  
**Project:** La Bajada Mine GW Sampling/TC93635X

---

### WorkOrder Comments:

16101340: Sample 11 is the MS and Sample 12 is the MSD per COC.

### Analytical Sequence QC Comments:

lcsd-23820 1011041: Analytical Comments for Radium-228\_DW(904.0), Sample lcsd-23820, Batch ID 23820 : RPD is above the acceptance Range. The spike recovery for the LCS and LCSD is within limits.

16101340-011aMS 1011121: Analytical Comments for Radium-226\_DW(903.0), Sample 16101340-011aMS, Batch ID 23820 : MS outside of acceptance limits; however, the LCS and LCSD were within required limits.

16101340-012aMSD 1011122: Analytical Comments for Radium-226\_DW(903.0), Sample 16101340-012aMSD, Batch ID 23820 : MSD outside of acceptance limits; however, the LCS and LCSD were within required limits.

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Summit Environmental Technologies, Inc  
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## Qualifiers and Acronyms

WO#: 16101340  
Date: 11/10/2016

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These commonly used Qualifiers and Acronyms may or may not be present in this report.

### Qualifiers

|       |                                                                                                                     |
|-------|---------------------------------------------------------------------------------------------------------------------|
| U     | The compound was analyzed for but was not detected.                                                                 |
| J     | The reported value is greater than the Method Detection Limit but less than the Reporting Limit.                    |
| H     | The hold time for sample preparation and/or analysis was exceeded.                                                  |
| D     | The result is reported from a dilution.                                                                             |
| E     | The result exceeded the linear range of the calibration or is estimated due to interference.                        |
| MC    | The result is below the Minimum Compound Limit.                                                                     |
| *     | The result exceeds the Regulatory Limit or Maximum Contamination Limit.                                             |
| m     | Manual integration was used to determine the area response.                                                         |
| N     | The result is presumptive based on a Mass Spectral library search assuming a 1:1 response.                          |
| P     | The second column confirmation exceeded 25% difference.                                                             |
| C     | The result has been confirmed by GC/MS.                                                                             |
| X     | The result was not confirmed when GC/MS Analysis was performed.                                                     |
| B/MB+ | The analyte was detected in the associated blank.                                                                   |
| G     | The ICB or CCB contained reportable amounts of analyte.                                                             |
| QC-/+ | The CCV recovery failed low (-) or high (+).                                                                        |
| R/QDR | The RPD was outside of accepted recovery limits.                                                                    |
| QL-/+ | The LCS or LCSD recovery failed low (-) or high (+).                                                                |
| QLR   | The LCS/LCSD RPD was outside of accepted recovery limits.                                                           |
| QM-/+ | The MS or MSD recovery failed low (-) or high (+).                                                                  |
| QMR   | The MS/MSD RPD was outside of accepted recovery limits.                                                             |
| QV-/+ | The ICV recovery failed low (-) or high (+).                                                                        |
| S     | The spike result was outside of accepted recovery limits.                                                           |
| Z     | Deviation; A deviation from the method was performed; Please refer to the Case Narrative for additional information |

### Acronyms

|      |                                     |        |                                      |
|------|-------------------------------------|--------|--------------------------------------|
| ND   | Not Detected                        | RL     | Reporting Limit                      |
| QC   | Quality Control                     | MDL    | Method Detection Limit               |
| MB   | Method Blank                        | LOD    | Level of Detection                   |
| LCS  | Laboratory Control Sample           | LOQ    | Level of Quantitation                |
| LCSD | Laboratory Control Sample Duplicate | PQL    | Practical Quantitation Limit         |
| QCS  | Quality Control Sample              | CRQL   | Contract Required Quantitation Limit |
| DUP  | Duplicate                           | PL     | Permit Limit                         |
| MS   | Matrix Spike                        | RegLvl | Regulatory Limit                     |
| MSD  | Matrix Spike Duplicate              | MCL    | Maximum Contamination Limit          |
| RPD  | Relative Percent Different          | MinCL  | Minimum Compound Limit               |
| ICV  | Initial Calibration Verification    | RA     | Reanalysis                           |
| ICB  | Initial Calibration Blank           | RE     | Reextraction                         |
| CCV  | Continuing Calibration Verification | TIC    | Tentatively Identified Compound      |
| CCB  | Continuing Calibration Blank        | RT     | Retention Time                       |
| RLC  | Reporting Limit Check               | CF     | Calibration Factor                   |
| DF   | Dilution Factor                     | RF     | Response Factor                      |

**This list of Qualifiers and Acronyms reflects the most commonly utilized Qualifiers and Acronyms for reporting. Please refer to the Analytical Notes in the Case Narrative for any Qualifiers or Acronyms that do not appear in this list or for additional information regarding the use of these Qualifiers on reported data.**

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## Workorder Sample Summary

WO#: **16101340**  
**10-Nov-16**

**CLIENT:** Accutest Laboratories  
**Project:** La Bajada Mine GW Sampling/TC93635X

| Lab SampleID | Client Sample ID  | Tag No | Date Collected         | Date Received          | Matrix            |
|--------------|-------------------|--------|------------------------|------------------------|-------------------|
| 16101340-001 | LB-SW1-101816     |        | 10/18/2016 3:30:00 PM  | 10/25/2016 10:45:00 AM | Non-Potable Water |
| 16101340-002 | LB-SW2-101816     |        | 10/18/2016 2:27:00 PM  | 10/25/2016 10:45:00 AM | Non-Potable Water |
| 16101340-003 | LB-MW1-101816     |        | 10/18/2016 4:50:00 PM  | 10/25/2016 10:45:00 AM | Non-Potable Water |
| 16101340-004 | LB-MW2-101816     |        | 10/19/2016 9:25:00 AM  | 10/25/2016 10:45:00 AM | Non-Potable Water |
| 16101340-005 | LB-MW3-101916     |        | 10/19/2016 10:55:00 AM | 10/25/2016 10:45:00 AM | Non-Potable Water |
| 16101340-006 | LB-MW3-101916-D   |        | 10/19/2016 10:55:00 AM | 10/25/2016 10:45:00 AM | Non-Potable Water |
| 16101340-007 | LB-MW5-101916     |        | 10/19/2016 12:55:00 PM | 10/25/2016 10:45:00 AM | Non-Potable Water |
| 16101340-008 | LB-EB1-101916     |        | 10/19/2016 1:55:00 PM  | 10/25/2016 10:45:00 AM | Non-Potable Water |
| 16101340-009 | LB-MW4-101916     |        | 10/19/2016 2:35:00 PM  | 10/25/2016 10:45:00 AM | Non-Potable Water |
| 16101340-010 | LB-MW7-101916     |        | 10/19/2016 3:40:00 PM  | 10/25/2016 10:45:00 AM | Non-Potable Water |
| 16101340-011 | LB-MW7-101916 MS  |        | 10/19/2016 3:40:00 PM  | 10/25/2016 10:45:00 AM | Non-Potable Water |
| 16101340-012 | LB-MW7-101916 MSD |        | 10/19/2016 3:40:00 PM  | 10/25/2016 10:45:00 AM | Non-Potable Water |



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# DATES REPORT

WO#: 16101340  
10-Nov-16

**Client:** Accutest Laboratories  
**Project:** La Bajada Mine GW Sampling/TC93635X

| Sample ID     | Client Sample ID | Collection Date        | Matrix            | Test Name                                 | Leachate Date | Prep Date             | Analysis Date        |
|---------------|------------------|------------------------|-------------------|-------------------------------------------|---------------|-----------------------|----------------------|
| 16101340-001A | LB-SW1-101816    | 10/18/2016 3:30:00 PM  | Non-Potable Water | Combined Radium-226/228 (EPA 903.0/904.0) |               | 11/1/2016 12:38:43 PM | 11/4/2016            |
|               |                  |                        |                   | Radium-226 (EPA 9315)                     |               | 11/1/2016 12:38:43 PM | 11/4/2016 8:19:00 AM |
|               |                  |                        |                   | Radium-228 (EPA 9320)                     |               | 11/1/2016 12:38:43 PM | 11/3/2016 2:15:00 PM |
| 16101340-002A | LB-SW2-101816    | 10/18/2016 2:27:00 PM  |                   | Combined Radium-226/228 (EPA 903.0/904.0) |               | 11/1/2016 12:38:43 PM | 11/4/2016            |
|               |                  |                        |                   | Radium-226 (EPA 9315)                     |               | 11/1/2016 12:38:43 PM | 11/4/2016 8:20:00 AM |
|               |                  |                        |                   | Radium-228 (EPA 9320)                     |               | 11/1/2016 12:38:43 PM | 11/3/2016 2:15:00 PM |
| 16101340-003A | LB-MW1-101816    | 10/18/2016 4:50:00 PM  |                   | Combined Radium-226/228 (EPA 903.0/904.0) |               | 11/1/2016 12:38:43 PM | 11/4/2016            |
|               |                  |                        |                   | Radium-226 (EPA 9315)                     |               | 11/1/2016 12:38:43 PM | 11/4/2016 8:20:00 AM |
|               |                  |                        |                   | Radium-228 (EPA 9320)                     |               | 11/1/2016 12:38:43 PM | 11/3/2016 2:15:00 PM |
| 16101340-004A | LB-MW2-101816    | 10/19/2016 9:25:00 AM  |                   | Combined Radium-226/228 (EPA 903.0/904.0) |               | 11/1/2016 12:38:43 PM | 11/4/2016            |
|               |                  |                        |                   | Radium-226 (EPA 9315)                     |               | 11/1/2016 12:38:43 PM | 11/4/2016 8:20:00 AM |
|               |                  |                        |                   | Radium-228 (EPA 9320)                     |               | 11/1/2016 12:38:43 PM | 11/3/2016 2:15:00 PM |
| 16101340-005A | LB-MW3-101916    | 10/19/2016 10:55:00 AM |                   | Combined Radium-226/228 (EPA 903.0/904.0) |               | 11/1/2016 12:38:43 PM | 11/4/2016            |
|               |                  |                        |                   | Radium-226 (EPA 9315)                     |               | 11/1/2016 12:38:43 PM | 11/4/2016 8:20:00 AM |
|               |                  |                        |                   | Radium-228 (EPA 9320)                     |               | 11/1/2016 12:38:43 PM | 11/3/2016 2:15:00 PM |
| 16101340-006A | LB-MW3-101916-D  |                        |                   | Combined Radium-226/228 (EPA 903.0/904.0) |               | 11/1/2016 12:38:43 PM | 11/4/2016            |
|               |                  |                        |                   | Radium-226 (EPA 9315)                     |               | 11/1/2016 12:38:43 PM | 11/4/2016 8:17:00 AM |
|               |                  |                        |                   | Radium-228 (EPA 9320)                     |               | 11/1/2016 12:38:43 PM | 11/3/2016 2:15:00 PM |
| 16101340-007A | LB-MW5-101916    | 10/19/2016 12:55:00 PM |                   | Combined Radium-226/228 (EPA 903.0/904.0) |               | 11/1/2016 12:38:43 PM | 11/4/2016            |
|               |                  |                        |                   | Radium-226 (EPA 9315)                     |               | 11/1/2016 12:38:43 PM | 11/4/2016 8:17:00 AM |

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Summit Environmental Technologies, Inc.  
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# DATES REPORT

WO#: 16101340  
10-Nov-16

**Client:** Accutest Laboratories  
**Project:** La Bajada Mine GW Sampling/TC93635X

| Sample ID     | Client Sample ID  | Collection Date        | Matrix            | Test Name                                 | Leachate Date | Prep Date             | Analysis Date        |
|---------------|-------------------|------------------------|-------------------|-------------------------------------------|---------------|-----------------------|----------------------|
| 16101340-007A | LB-MW5-101916     | 10/19/2016 12:55:00 PM | Non-Potable Water | Radium-228 (EPA 9320)                     |               | 11/1/2016 12:38:43 PM | 11/3/2016 2:15:00 PM |
| 16101340-008A | LB-EB1-101916     | 10/19/2016 1:55:00 PM  |                   | Combined Radium-226/228 (EPA 903.0/904.0) |               | 11/1/2016 12:38:43 PM | 11/4/2016            |
|               |                   |                        |                   | Radium-226 (EPA 9315)                     |               | 11/1/2016 12:38:43 PM | 11/4/2016 8:17:00 AM |
|               |                   |                        |                   | Radium-228 (EPA 9320)                     |               | 11/1/2016 12:38:43 PM | 11/3/2016 2:15:00 PM |
| 16101340-009A | LB-MW4-101916     | 10/19/2016 2:35:00 PM  |                   | Combined Radium-226/228 (EPA 903.0/904.0) |               | 11/1/2016 12:38:43 PM | 11/4/2016            |
|               |                   |                        |                   | Radium-226 (EPA 9315)                     |               | 11/1/2016 12:38:43 PM | 11/4/2016 9:54:00 AM |
|               |                   |                        |                   | Radium-228 (EPA 9320)                     |               | 11/1/2016 12:38:43 PM | 11/3/2016 3:13:00 PM |
| 16101340-010A | LB-MW7-101916     | 10/19/2016 3:40:00 PM  |                   | Combined Radium-226/228 (EPA 903.0/904.0) |               | 11/1/2016 12:38:43 PM | 11/4/2016            |
|               |                   |                        |                   | Radium-226 (EPA 9315)                     |               | 11/1/2016 12:38:43 PM | 11/4/2016 8:19:00 AM |
|               |                   |                        |                   | Radium-228 (EPA 9320)                     |               | 11/1/2016 12:38:43 PM | 11/3/2016 2:14:00 PM |
| 16101340-011A | LB-MW7-101916 MS  |                        |                   | Combined Radium-226/228 (EPA 903.0/904.0) |               | 11/1/2016 12:38:43 PM | 11/4/2016            |
|               |                   |                        |                   | Radium-226 (EPA 9315)                     |               | 11/1/2016 12:38:43 PM | 11/4/2016 8:19:00 AM |
|               |                   |                        |                   | Radium-228 (EPA 9320)                     |               | 11/1/2016 12:38:43 PM | 11/3/2016 2:14:00 PM |
| 16101340-012A | LB-MW7-101916 MSD |                        |                   | Combined Radium-226/228 (EPA 903.0/904.0) |               | 11/1/2016 12:38:43 PM | 11/4/2016            |
|               |                   |                        |                   | Radium-226 (EPA 9315)                     |               | 11/1/2016 12:38:43 PM | 11/4/2016 8:19:00 AM |
|               |                   |                        |                   | Radium-228 (EPA 9320)                     |               | 11/1/2016 12:38:43 PM | 11/3/2016 2:14:00 PM |



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# Analytical Report

(consolidated)  
 WO#: 16101340  
 Date Reported: 11/10/2016

**CLIENT:** Accutest Laboratories **Collection Date:** 10/18/2016 3:30:00 PM  
**Project:** La Bajada Mine GW Sampling/TC93635X  
**Lab ID:** 16101340-001 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** LB-SW1-101816

| Analyses                                                                       | Result | RL   | Qual | Units | Uncertainty | DF | Date Analyzed        |
|--------------------------------------------------------------------------------|--------|------|------|-------|-------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 (EPA 903.0/904.0)</b> |        |      |      |       |             |    |                      |
| Radium-226/Radium-228 Combined                                                 | ND     | 2.00 | U    | pCi/L | ± 0.82      | 1  | 11/4/2016            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 (EPA 9315)</b>                     |        |      |      |       |             |    |                      |
| Radium-226                                                                     | ND     | 1.00 | U    | pCi/L | ± 0.13      | 1  | 11/4/2016 8:19:00 AM |
| Yield                                                                          | 1.00   |      |      |       |             | 1  | 11/4/2016 8:19:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 (EPA 9320)</b>                     |        |      |      |       |             |    |                      |
| Radium-228                                                                     | 1.13   | 1.00 |      | pCi/L | ± 0.69      | 1  | 11/3/2016 2:15:00 PM |
| Yield                                                                          | 1.00   |      |      |       |             | 1  | 11/3/2016 2:15:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 16101340  
 Date Reported: 11/10/2016

**CLIENT:** Accutest Laboratories **Collection Date:** 10/18/2016 2:27:00 PM  
**Project:** La Bajada Mine GW Sampling/TC93635X  
**Lab ID:** 16101340-002 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** LB-SW2-101816

| Analyses                                         | Result | RL   | Qual | Units                        | Uncertainty | DF           | Date Analyzed        |
|--------------------------------------------------|--------|------|------|------------------------------|-------------|--------------|----------------------|
| <b>COMBINEDRADIUM226/228-NPW</b>                 |        |      |      | <b>MBDRA226RA22 E903-904</b> |             | Analyst: BRD |                      |
| <b>COMBINED RADIUM-226/228 (EPA 903.0/904.0)</b> |        |      |      |                              |             |              |                      |
| Radium-226/Radium-228 Combined                   | ND     | 2.00 | U    | pCi/L                        | ± 0.94      | 1            | 11/4/2016            |
| <b>COMBINEDRADIUM226/228-NPW</b>                 |        |      |      | <b>SW9315 E903-904</b>       |             | Analyst: BRD |                      |
| <b>RADIUM-226 (EPA 9315)</b>                     |        |      |      |                              |             |              |                      |
| Radium-226                                       | ND     | 1.00 | U    | pCi/L                        | ± 0.11      | 1            | 11/4/2016 8:20:00 AM |
| Yield                                            | 1.00   |      |      |                              |             | 1            | 11/4/2016 8:20:00 AM |
| <b>COMBINEDRADIUM226/228-NPW</b>                 |        |      |      | <b>SW9320 E903-904</b>       |             | Analyst: BRD |                      |
| <b>RADIUM-228 (EPA 9320)</b>                     |        |      |      |                              |             |              |                      |
| Radium-228                                       | 0.760  | 1.00 | J    | pCi/L                        | ± 0.83      | 1            | 11/3/2016 2:15:00 PM |
| Yield                                            | 0.960  |      |      |                              |             | 1            | 11/3/2016 2:15:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16101340**  
 Date Reported: **11/10/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 10/18/2016 4:50:00 PM  
**Project:** La Bajada Mine GW Sampling/TC93635X  
**Lab ID:** 16101340-003 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** LB-MW1-101816

| Analyses                                                                       | Result | RL   | Qual | Units | Uncertainty                  | DF | Date Analyzed        |
|--------------------------------------------------------------------------------|--------|------|------|-------|------------------------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 (EPA 903.0/904.0)</b> |        |      |      |       | <b>MBDRA226RA22 E903-904</b> |    | Analyst: <b>BRD</b>  |
| Radium-226/Radium-228 Combined                                                 | ND     | 2.00 | U    | pCi/L | ± 0.91                       | 1  | 11/4/2016            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 (EPA 9315)</b>                     |        |      |      |       | <b>SW9315 E903-904</b>       |    | Analyst: <b>BRD</b>  |
| Radium-226                                                                     | ND     | 1.00 | U    | pCi/L | ± 0.16                       | 1  | 11/4/2016 8:20:00 AM |
| Yield                                                                          | 1.00   |      |      |       |                              | 1  | 11/4/2016 8:20:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 (EPA 9320)</b>                     |        |      |      |       | <b>SW9320 E903-904</b>       |    | Analyst: <b>BRD</b>  |
| Radium-228                                                                     | ND     | 1.00 | U    | pCi/L | ± 0.75                       | 1  | 11/3/2016 2:15:00 PM |
| Yield                                                                          | 1.00   |      |      |       |                              | 1  | 11/3/2016 2:15:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16101340**  
 Date Reported: **11/10/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 10/19/2016 9:25:00 AM  
**Project:** La Bajada Mine GW Sampling/TC93635X  
**Lab ID:** 16101340-004 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** LB-MW2-101816

| Analyses                                                                       | Result | RL   | Qual | Units | Uncertainty | DF | Date Analyzed        |
|--------------------------------------------------------------------------------|--------|------|------|-------|-------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 (EPA 903.0/904.0)</b> |        |      |      |       |             |    |                      |
| Radium-226/Radium-228 Combined                                                 | ND     | 2.00 | U    | pCi/L | ± 0.84      | 1  | 11/4/2016            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 (EPA 9315)</b>                     |        |      |      |       |             |    |                      |
| Radium-226                                                                     | ND     | 1.00 | U    | pCi/L | ± 0.09      | 1  | 11/4/2016 8:20:00 AM |
| Yield                                                                          | 1.00   |      |      |       |             | 1  | 11/4/2016 8:20:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 (EPA 9320)</b>                     |        |      |      |       |             |    |                      |
| Radium-228                                                                     | ND     | 1.00 | U    | pCi/L | ± 0.75      | 1  | 11/3/2016 2:15:00 PM |
| Yield                                                                          | 1.00   |      |      |       |             | 1  | 11/3/2016 2:15:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 16101340  
 Date Reported: 11/10/2016

**CLIENT:** Accutest Laboratories **Collection Date:** 10/19/2016 10:55:00 AM  
**Project:** La Bajada Mine GW Sampling/TC93635X  
**Lab ID:** 16101340-005 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** LB-MW3-101916

| Analyses                                                                       | Result | RL   | Qual | Units | Uncertainty | DF | Date Analyzed        |
|--------------------------------------------------------------------------------|--------|------|------|-------|-------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 (EPA 903.0/904.0)</b> |        |      |      |       |             |    |                      |
| Radium-226/Radium-228 Combined                                                 | ND     | 2.00 | U    | pCi/L | ± 1.02      | 1  | 11/4/2016            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 (EPA 9315)</b>                     |        |      |      |       |             |    |                      |
| Radium-226                                                                     | ND     | 1.00 | U    | pCi/L | ± 0.15      | 1  | 11/4/2016 8:20:00 AM |
| Yield                                                                          | 1.00   |      |      |       |             | 1  | 11/4/2016 8:20:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 (EPA 9320)</b>                     |        |      |      |       |             |    |                      |
| Radium-228                                                                     | 1.19   | 1.00 |      | pCi/L | ± 0.87      | 1  | 11/3/2016 2:15:00 PM |
| Yield                                                                          | 0.760  |      |      |       |             | 1  | 11/3/2016 2:15:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16101340**  
 Date Reported: **11/10/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 10/19/2016 10:55:00 AM  
**Project:** La Bajada Mine GW Sampling/TC93635X  
**Lab ID:** 16101340-006 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** LB-MW3-101916-D

| Analyses                                                                       | Result | RL   | Qual | Units                        | Uncertainty         | DF | Date Analyzed        |
|--------------------------------------------------------------------------------|--------|------|------|------------------------------|---------------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 (EPA 903.0/904.0)</b> |        |      |      | <b>MBDRA226RA22 E903-904</b> | Analyst: <b>BRD</b> |    |                      |
| Radium-226/Radium-228 Combined                                                 | ND     | 2.00 | U    | pCi/L                        | ± 0.8               | 1  | 11/4/2016            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 (EPA 9315)</b>                     |        |      |      | <b>SW9315 E903-904</b>       | Analyst: <b>BRD</b> |    |                      |
| Radium-226                                                                     | ND     | 1.00 | U    | pCi/L                        | ± 0.11              | 1  | 11/4/2016 8:17:00 AM |
| Yield                                                                          | 1.00   |      |      |                              |                     | 1  | 11/4/2016 8:17:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 (EPA 9320)</b>                     |        |      |      | <b>SW9320 E903-904</b>       | Analyst: <b>BRD</b> |    |                      |
| Radium-228                                                                     | 0.870  | 1.00 | J    | pCi/L                        | ± 0.69              | 1  | 11/3/2016 2:15:00 PM |
| Yield                                                                          | 0.880  |      |      |                              |                     | 1  | 11/3/2016 2:15:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16101340**  
 Date Reported: **11/10/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 10/19/2016 12:55:00 PM  
**Project:** La Bajada Mine GW Sampling/TC93635X  
**Lab ID:** 16101340-007 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** LB-MW5-101916

| Analyses                                                                       | Result | RL   | Qual | Units | Uncertainty                  | DF | Date Analyzed        |
|--------------------------------------------------------------------------------|--------|------|------|-------|------------------------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 (EPA 903.0/904.0)</b> |        |      |      |       | <b>MBDRA226RA22 E903-904</b> |    | Analyst: <b>BRD</b>  |
| Radium-226/Radium-228 Combined                                                 | ND     | 2.00 | U    | pCi/L | ± 0.51                       | 1  | 11/4/2016            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 (EPA 9315)</b>                     |        |      |      |       | <b>SW9315 E903-904</b>       |    | Analyst: <b>BRD</b>  |
| Radium-226                                                                     | ND     | 1.00 | U    | pCi/L | ± 0.07                       | 1  | 11/4/2016 8:17:00 AM |
| Yield                                                                          | 1.00   |      |      |       |                              | 1  | 11/4/2016 8:17:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 (EPA 9320)</b>                     |        |      |      |       | <b>SW9320 E903-904</b>       |    | Analyst: <b>BRD</b>  |
| Radium-228                                                                     | ND     | 1.00 | U    | pCi/L | ± 0.44                       | 1  | 11/3/2016 2:15:00 PM |
| Yield                                                                          | 1.00   |      |      |       |                              | 1  | 11/3/2016 2:15:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: **16101340**  
 Date Reported: **11/10/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 10/19/2016 1:55:00 PM  
**Project:** La Bajada Mine GW Sampling/TC93635X  
**Lab ID:** 16101340-008 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** LB-EB1-101916

| Analyses                                                                       | Result | RL   | Qual | Units | Uncertainty | DF | Date Analyzed        |
|--------------------------------------------------------------------------------|--------|------|------|-------|-------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 (EPA 903.0/904.0)</b> |        |      |      |       |             |    |                      |
| Radium-226/Radium-228 Combined                                                 | ND     | 2.00 | U    | pCi/L | ± 0.88      | 1  | 11/4/2016            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 (EPA 9315)</b>                     |        |      |      |       |             |    |                      |
| Radium-226                                                                     | ND     | 1.00 | U    | pCi/L | ± 0.1       | 1  | 11/4/2016 8:17:00 AM |
| Yield                                                                          | 1.00   |      |      |       |             | 1  | 11/4/2016 8:17:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 (EPA 9320)</b>                     |        |      |      |       |             |    |                      |
| Radium-228                                                                     | ND     | 1.00 | U    | pCi/L | ± 0.78      | 1  | 11/3/2016 2:15:00 PM |
| Yield                                                                          | 0.790  |      |      |       |             | 1  | 11/3/2016 2:15:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 16101340  
 Date Reported: 11/10/2016

2

**CLIENT:** Accutest Laboratories **Collection Date:** 10/19/2016 2:35:00 PM  
**Project:** La Bajada Mine GW Sampling/TC93635X  
**Lab ID:** 16101340-009 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** LB-MW4-101916

| Analyses                                                                       | Result | RL   | Qual | Units | Uncertainty                  | DF | Date Analyzed        |
|--------------------------------------------------------------------------------|--------|------|------|-------|------------------------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 (EPA 903.0/904.0)</b> |        |      |      |       | <b>MBDRA226RA22 E903-904</b> |    | Analyst: BRD         |
| Radium-226/Radium-228 Combined                                                 | ND     | 2.00 | U    | pCi/L | ± 0.72                       | 1  | 11/4/2016            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 (EPA 9315)</b>                     |        |      |      |       | <b>SW9315 E903-904</b>       |    | Analyst: BRD         |
| Radium-226                                                                     | ND     | 1.00 | U    | pCi/L | ± 0.1                        | 1  | 11/4/2016 9:54:00 AM |
| Yield                                                                          | 1.00   |      |      |       |                              | 1  | 11/4/2016 9:54:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 (EPA 9320)</b>                     |        |      |      |       | <b>SW9320 E903-904</b>       |    | Analyst: BRD         |
| Radium-228                                                                     | ND     | 1.00 | U    | pCi/L | ± 0.62                       | 1  | 11/3/2016 3:13:00 PM |
| Yield                                                                          | 0.980  |      |      |       |                              | 1  | 11/3/2016 3:13:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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# Analytical Report

(consolidated)  
 WO#: 16101340  
 Date Reported: 11/10/2016

**CLIENT:** Accutest Laboratories **Collection Date:** 10/19/2016 3:40:00 PM  
**Project:** La Bajada Mine GW Sampling/TC93635X  
**Lab ID:** 16101340-010 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** LB-MW7-101916

| Analyses                                                                       | Result | RL   | Qual | Units | Uncertainty                  | DF | Date Analyzed        |
|--------------------------------------------------------------------------------|--------|------|------|-------|------------------------------|----|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 (EPA 903.0/904.0)</b> |        |      |      |       | <b>MBDRA226RA22 E903-904</b> |    | Analyst: BRD         |
| Radium-226/Radium-228 Combined                                                 | ND     | 2.00 | U    | pCi/L | ± 0.98                       | 1  | 11/4/2016            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 (EPA 9315)</b>                     |        |      |      |       | <b>SW9315 E903-904</b>       |    | Analyst: BRD         |
| Radium-226                                                                     | ND     | 1.00 | U    | pCi/L | ± 0.11                       | 1  | 11/4/2016 8:19:00 AM |
| Yield                                                                          | 1.00   |      |      |       |                              | 1  | 11/4/2016 8:19:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 (EPA 9320)</b>                     |        |      |      |       | <b>SW9320 E903-904</b>       |    | Analyst: BRD         |
| Radium-228                                                                     | 0.954  | 1.00 | J    | pCi/L | ± 0.88                       | 1  | 11/3/2016 2:14:00 PM |
| Yield                                                                          | 0.890  |      |      |       |                              | 1  | 11/3/2016 2:14:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



Summit Environmental Technologies, Inc.  
 3310 Win St.  
 Cuyahoga Falls, Ohio 44223  
 TEL: (330) 253-8211 FAX: (330) 253-4489  
 Website: <http://www.settek.com>

# Analytical Report

(consolidated)  
 WO#: **16101340**  
 Date Reported: **11/10/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 10/19/2016 3:40:00 PM  
**Project:** La Bajada Mine GW Sampling/TC93635X  
**Lab ID:** 16101340-011 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** LB-MW7-101916 MS

| Analyses                                                                       | Result | RL   | Qual | Units                        | Uncertainty | DF                  | Date Analyzed        |
|--------------------------------------------------------------------------------|--------|------|------|------------------------------|-------------|---------------------|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 (EPA 903.0/904.0)</b> |        |      |      | <b>MBDRA226RA22 E903-904</b> |             | Analyst: <b>BRD</b> |                      |
| Radium-226/Radium-228 Combined                                                 | 6.88   | 2.00 |      | pCi/L                        | ± 1.43      | 1                   | 11/4/2016            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 (EPA 9315)</b>                     |        |      |      | <b>SW9315 E903-904</b>       |             | Analyst: <b>BRD</b> |                      |
| Radium-226                                                                     | 3.11   | 1.00 |      | pCi/L                        | ± 0.37      | 1                   | 11/4/2016 8:19:00 AM |
| Yield                                                                          | 1.00   |      |      |                              |             | 1                   | 11/4/2016 8:19:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 (EPA 9320)</b>                     |        |      |      | <b>SW9320 E903-904</b>       |             | Analyst: <b>BRD</b> |                      |
| Radium-228                                                                     | 3.77   | 1.00 |      | pCi/L                        | ± 1.06      | 1                   | 11/3/2016 2:14:00 PM |
| Yield                                                                          | 0.930  |      |      |                              |             | 1                   | 11/3/2016 2:14:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |

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 3310 Win St.  
 Cuyahoga Falls, Ohio 44223  
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# Analytical Report

(consolidated)  
 WO#: **16101340**  
 Date Reported: **11/10/2016**

**CLIENT:** Accutest Laboratories **Collection Date:** 10/19/2016 3:40:00 PM  
**Project:** La Bajada Mine GW Sampling/TC93635X  
**Lab ID:** 16101340-012 **Matrix:** NON-POTABLE WATER  
**Client Sample ID** LB-MW7-101916 MSD

| Analyses                                                                       | Result | RL   | Qual | Units                        | Uncertainty | DF                  | Date Analyzed        |
|--------------------------------------------------------------------------------|--------|------|------|------------------------------|-------------|---------------------|----------------------|
| <b>COMBINEDRADIUM226/228-NPW<br/>COMBINED RADIUM-226/228 (EPA 903.0/904.0)</b> |        |      |      | <b>MBDRA226RA22 E903-904</b> |             | Analyst: <b>BRD</b> |                      |
| Radium-226/Radium-228 Combined                                                 | 5.72   | 2.00 |      | pCi/L                        | ± 1.28      | 1                   | 11/4/2016            |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-226 (EPA 9315)</b>                     |        |      |      | <b>SW9315 E903-904</b>       |             | Analyst: <b>BRD</b> |                      |
| Radium-226                                                                     | 2.64   | 1.00 |      | pCi/L                        | ± 0.34      | 1                   | 11/4/2016 8:19:00 AM |
| Yield                                                                          | 1.00   |      |      | pCi/L                        |             | 1                   | 11/4/2016 8:19:00 AM |
| <b>COMBINEDRADIUM226/228-NPW<br/>RADIUM-228 (EPA 9320)</b>                     |        |      |      | <b>SW9320 E903-904</b>       |             | Analyst: <b>BRD</b> |                      |
| Radium-228                                                                     | 3.08   | 1.00 |      | pCi/L                        | ± 0.94      | 1                   | 11/3/2016 2:14:00 PM |
| Yield                                                                          | 1.00   |      |      |                              |             | 1                   | 11/3/2016 2:14:00 PM |

**Qualifiers:**

|    |                                                    |    |                                                    |
|----|----------------------------------------------------|----|----------------------------------------------------|
| *  | Value exceeds Maximum Contaminant Level.           | E  | Value above quantitation range                     |
| H  | Holding times for preparation or analysis exceeded | M  | Manual Integration used to determine area response |
| MC | Value is below Minimum Compound Limit.             | N  | Tentatively identified compounds                   |
| ND | Not Detected at the Reporting Limit                | O  | RSD is greater than RSDlimit                       |
| P  | Second column confirmation exceeds                 | PL | Permit Limit                                       |



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## Accreditation Program Analytes Report

WO#: 16101340  
 10-Nov-16

**Client:** Accutest Laboratories  
**Project:** La Bajada Mine GW Sampling/TC93635

| Program Name          | Sample ID     | ClientSampleID    | Matrix           | Test Name             | Analyte    | Status |
|-----------------------|---------------|-------------------|------------------|-----------------------|------------|--------|
| Conneticut Department | 16101340-001A | LB-SW1-101816     | Ion-Potable Wate | Radium-228 (EPA 9320) | Radium-228 |        |
|                       | 16101340-002A | LB-SW2-101816     |                  |                       | Radium-228 |        |
|                       | 16101340-003A | LB-MW1-101816     |                  |                       | Radium-228 |        |
|                       | 16101340-004A | LB-MW2-101816     |                  |                       | Radium-228 |        |
|                       | 16101340-005A | LB-MW3-101916     |                  |                       | Radium-228 |        |
|                       | 16101340-006A | LB-MW3-101916-D   |                  |                       | Radium-228 |        |
|                       | 16101340-007A | LB-MW5-101916     |                  |                       | Radium-228 |        |
|                       | 16101340-008A | LB-EB1-101916     |                  |                       | Radium-228 |        |
|                       | 16101340-009A | LB-MW4-101916     |                  |                       | Radium-228 |        |
|                       | 16101340-010A | LB-MW7-101916     |                  |                       | Radium-228 |        |
|                       | 16101340-011A | LB-MW7-101916 MS  |                  |                       | Radium-228 |        |
|                       | 16101340-012A | LB-MW7-101916 MSD |                  |                       | Radium-228 |        |

ACCRED

Original #16101340# v1  
 Page 20 of 20



ACCUTEST

# CHAIN OF CUSTODY

10165 Harwin Drive, Houston, TX 77036  
TEL 713-271-4700 FAX 713-271-4770  
www.sgs.com

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                 |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Client / Reporting Information</b><br>Company Name: <b>SGS Accutest</b><br>Street Address: <b>10165 Harwin Drive</b><br>City: <b>Houston TX 77036</b><br>Project Contact: <b>anita.patel@sgs.com</b><br>Phone #: <b>713-271-4700</b><br>Fax #: <b>713-271-4770</b><br>Project Manager:                                                                                                                                                                                                                                                                                            |  | <b>Project Information</b><br>Project Name: <b>La Bajada Mine GW Sampling - Santo Domingo Pueblo, New Mexico</b><br>Billing Information (if different from Report to):<br>Company Name:<br>Street Address:<br>City: State: Zip:<br>Attention:                                                                                                                                                                        |  | <b>Requested Analysis ( see TEST CODE sheet)</b><br><div style="font-size: 2em; text-align: center; font-weight: bold;">16101340-001<br/>01244</div> |  | <b>Matrix Codes</b><br>GW - Drinking Water<br>GW - Ground Water<br>SW - Surface Water<br>SO - Soil<br>SL - Sludge<br>SED - Sediment<br>OI - Oil<br>LIQ - Other Liquid<br>AIR - Air<br>SOL - Other Solid<br>WP - Waste<br>FB - Field Blank<br>EB - Equipment Blank<br>RB - Rinse Blank<br>TB - Trip Blank<br><b>LAB USE ONLY</b> |  |
| <b>Field ID / Point of Collection</b><br>Field ID: <b>LB-SW1-101816</b><br>Date: <b>10/18/16</b> Time: <b>3:30:00 PM</b><br>Date: <b>10/18/16</b> Time: <b>2:27:00 PM</b><br>Date: <b>10/18/16</b> Time: <b>4:50:00 PM</b><br>Date: <b>10/19/16</b> Time: <b>9:25:00 AM</b><br>Date: <b>10/19/16</b> Time: <b>10:55:00 AM</b><br>Date: <b>10/19/16</b> Time: <b>10:55:00 AM</b><br>Date: <b>10/19/16</b> Time: <b>12:55:00 PM</b><br>Date: <b>10/19/16</b> Time: <b>1:55:00 PM</b><br>Date: <b>10/19/16</b> Time: <b>2:35:00 PM</b><br>Date: <b>10/19/16</b> Time: <b>3:40:00 PM</b> |  | <b>Number of preserved bottles</b><br>MECH: <input type="checkbox"/> ENCORE: <input type="checkbox"/><br>DI WATER: <input type="checkbox"/> HNO3: <input type="checkbox"/><br>H2SO4: <input type="checkbox"/> NONE: <input type="checkbox"/><br>HSCA: <input type="checkbox"/> HFOH: <input type="checkbox"/><br>HNOH: <input type="checkbox"/>                                                                      |  | <b>Matrix</b><br>AQ: <input checked="" type="checkbox"/>                                                                                             |  | <b>Comments / Special Instructions</b><br>Send Gallon Cubes<br>*Groundwater samples from New Mexico<br>*Run MS/MSD for Sample LB-MW7-101916                                                                                                                                                                                     |  |
| <b>Turnaround Time ( Business days)</b><br><input type="checkbox"/> Std. 10 Business Days<br><input type="checkbox"/> 5 Day RUSH<br><input type="checkbox"/> 3 Day EMERGENCY<br><input type="checkbox"/> 2 Day EMERGENCY<br><input type="checkbox"/> 1 Day EMERGENCY<br><input checked="" type="checkbox"/> other Due 11/02/2016<br>Emergency & Rush T/A data available VIA Lablink                                                                                                                                                                                                  |  | <b>Data Deliverable Information</b><br><input type="checkbox"/> Commercial "A" (Level 1)<br><input type="checkbox"/> Commercial "B" (Level 2)<br><input type="checkbox"/> FULLT1 (Level 3+4)<br><input type="checkbox"/> NJ Reduced<br><input type="checkbox"/> Commercial "C"<br>Commercial "A" = Results Only<br>Commercial "B" = Results + QC Summary<br>Commercial "C" = Results + QC Summary + Partial Raw data |  | <b>Approved By (BOS Accutest PM) / Date:</b><br>_____                                                                                                |  | <b>Comments / Special Instructions</b>                                                                                                                                                                                                                                                                                          |  |
| <b>Signature of Sampler:</b><br>Date T1: <b>10-24-16</b><br>Date T2: _____<br>Date T3: _____<br>Date T4: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | <b>Signature of Sampler:</b><br>Date T1: <b>10-24-16</b><br>Date T2: _____<br>Date T3: _____<br>Date T4: _____                                                                                                                                                                                                                                                                                                       |  | <b>Signature of Sampler:</b><br>Date T1: <b>10-24-16</b><br>Date T2: _____<br>Date T3: _____<br>Date T4: _____                                       |  | <b>Signature of Sampler:</b><br>Date T1: <b>10-24-16</b><br>Date T2: _____<br>Date T3: _____<br>Date T4: _____                                                                                                                                                                                                                  |  |
| <b>Requisitioned By:</b><br>Date: _____<br>Received By: _____<br>Date: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | <b>Requisitioned By:</b><br>Date: _____<br>Received By: _____<br>Date: _____                                                                                                                                                                                                                                                                                                                                         |  | <b>Requisitioned By:</b><br>Date: _____<br>Received By: _____<br>Date: _____                                                                         |  | <b>Requisitioned By:</b><br>Date: _____<br>Received By: _____<br>Date: _____                                                                                                                                                                                                                                                    |  |
| <b>Emergency &amp; Rush T/A data available VIA Lablink</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | <b>Emergency &amp; Rush T/A data available VIA Lablink</b>                                                                                                                                                                                                                                                                                                                                                           |  | <b>Emergency &amp; Rush T/A data available VIA Lablink</b>                                                                                           |  | <b>Emergency &amp; Rush T/A data available VIA Lablink</b>                                                                                                                                                                                                                                                                      |  |

Date / Time: 10/24/2016 12:25:27 PM

CSR: ANITAP

Job #: TC93635X

Client Project: La Bajada Mine GW Sampling - Santo Domingo Pu

Deliverable: COMMB

TAT: Due 11/3/2016

Sub Lab: Summit Environmental Tech, Inc

Address: 3310 Win Street

City: Cuyahoga Falls

State: OH

Zip: 44223

Contact: Sample Management

Phone: 330-253-8211

| SGS Accutest Sample # | Client Sample Description | Analysis                                   | Location | Sampled By | Date Sampled | Time Sampled | Aliquot |
|-----------------------|---------------------------|--------------------------------------------|----------|------------|--------------|--------------|---------|
| IC93635-1X            | LB-SW1-101816             | Combined Radium 226 & 228 (EPA 900 Series) |          |            | 10/18/2016   | 3:30:00 PM   |         |
| IC93635-2X            | LB-SW2-101816             | Combined Radium 226 & 228 (EPA 900 Series) |          |            | 10/18/2016   | 2:27:00 PM   |         |
| IC93635-3X            | LB-MW1-101816             | Combined Radium 226 & 228 (EPA 900 Series) |          |            | 10/18/2016   | 4:50:00 PM   |         |
| IC93635-4X            | LB-MW2-101916             | Combined Radium 226 & 228 (EPA 900 Series) |          |            | 10/19/2016   | 9:25:00 AM   |         |
| IC93635-5X            | LB-MW3-101916             | Combined Radium 226 & 228 (EPA 900 Series) |          |            | 10/19/2016   | 10:55:00 AM  |         |
| IC93635-6X            | LB-MW3-101916-D           | Combined Radium 226 & 228 (EPA 900 Series) |          |            | 10/19/2016   | 10:55:00 AM  |         |
| IC93635-7X            | LB-MW5-101916             | Combined Radium 226 & 228 (EPA 900 Series) |          |            | 10/19/2016   | 12:55:00 PM  |         |
| IC93635-8X            | LB-EB1-101916             | Combined Radium 226 & 228 (EPA 900 Series) |          |            | 10/19/2016   | 1:55:00 PM   |         |
| IC93635-9X            | LB-MW4-101916             | Combined Radium 226 & 228 (EPA 900 Series) |          |            | 10/19/2016   | 2:35:00 PM   |         |
| IC93635-10X           | LB-MW7-101916             | Combined Radium 226 & 228 (EPA 900 Series) |          |            | 10/19/2016   | 3:40:00 PM   |         |

Comments: Send Gallon Cubes

- Groundwater samples from New Mexico
- Run MS/MSD for Sample LB-MW7-101916



Sample Management Receipt:

Date: 10-25-16

Summit Environmental Technologies, Inc.  
Cooler Receipt Form

Client: Accutest Initials of person inspecting cooler and samples: SC  
 Order Number: 16101340  
 Date Received: 10-25-16 Time Received: 1005 Date cooler(s) opened and samples inspected: 10-25-16  
 Number of Coolers/Boxes: 1 N/A  
 Shipper:  FEDEX  UPS  DHL  Airborne  US Postal  Walk-in  Pickup  Other: \_\_\_\_\_  
 Packaging:  Peanuts  Bubble Wrap  Paper  Foam  None  Other: \_\_\_\_\_  
 Tape on cooler/box:  Y  N  N/A  
 Custody Seals intact  Y  N  N/A  
 C-O-C in plastic  Y  N  N/A  
 Ice \_\_\_\_\_ Blue ice \_\_\_\_\_  present /  absent /  melted N/A  
 Sample Temperature IR Gun #16020459 CF 0.0 °C 4.5 °C N/A  
 Radiological Testing Instrument serial #35127  Y  N  N/A  
 (see page 2 for scan results)  
**\*\*Use 1 sheet per sample for Radiological Testing. If sample is HOT, the Radiological Safety Officer must be notified immediately.**  
 C-O-C filled out properly  Y  N  N/A  
 Samples in separate bags  Y  N  N/A  
 Sample containers intact\*  Y  N  N/A  
 \*If no, list broken sample(s): \_\_\_\_\_  


---

 Sample label(s) complete (ID, date, etc.)  Y  N  N/A  
 Label(s) agree with C-O-C  Y  N  N/A  
 Correct containers used  Y  N  N/A  
 Sufficient sample received  Y  N  N/A  
 Samples received within holding time  Y  N  N/A  
 Bubbles absent from 40 mL vials\*\*  Y  N  N/A  
 \*\* Samples with bubbles <6mm are acceptable. Indicate bubble size if >6mm. \_\_\_\_\_  
 Was client contacted about samples  Y  N  
 Will client send new samples  Y  N  
 Client contact: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Logged in by: \_\_\_\_\_  
 Comments: \_\_\_\_\_

Summit Environmental Technologies, Inc.  
Sample Receipt

pH and Chlorine test on samples

Radiological scan on sample

pH strip SET (0-14)# WC-03-1174 pH strip (2.8-4.6) SET#OES-01-0250  
Total DPD packet SET#OES-02-0239 Free DPD packet SET#OES-01-0290  
Disp. Pipette SET# WC-03-0510

| Sample or OMEGA ID | Method | pH | Chlorine (±) | Comments |
|--------------------|--------|----|--------------|----------|
| 1                  | ✓      | 2  |              |          |
| 2                  |        | 2  |              |          |
| 3                  |        | 2  |              |          |
| 4                  |        | 2  |              |          |
| 5                  |        | 2  |              |          |
| 6                  |        | 2  |              |          |
| 7                  |        | 2  |              |          |
| 8                  |        | 2  |              |          |
| 9                  |        | 2  |              |          |
| 10                 |        | 2  |              |          |
| 11 MS              |        |    | 2            |          |
| 12 MSD             | 2      |    |              |          |
|                    |        |    |              |          |
|                    |        |    |              |          |
|                    |        |    |              |          |
|                    |        |    |              |          |
|                    |        |    |              |          |
|                    |        |    |              |          |
|                    |        |    |              |          |
|                    |        |    |              |          |
|                    |        |    |              |          |
|                    |        |    |              |          |

| ID | scan | CPM |
|----|------|-----|
| 1  | ✓    | 16  |
| 2  |      | 19  |
| 3  |      | 19  |
| 4  |      | 14  |
| 5  |      | 15  |
| 6  |      | 21  |
| 7  |      | 22  |
| 8  |      | 21  |
| 9  |      | 20  |
| 10 |      | 14  |
| 11 |      | 14  |
| 12 | ↓    | 14  |
|    |      |     |
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|    |      |     |
|    |      |     |

P = Permanganate interference  
504.1, 508, 515.1, 525.2, 547, 548.1, 549.1, 531.2, 1613 methods checked for **Total** chlorine  
552.2 checked for **Free** chlorine  
531.2 pH is checked for ~3.8 (SET# OES-01-0250)  
524.2 = pH and Chlorine checked at bench and not log in department

## Misc. Forms

---

### Custody Documents and Other Forms

---

Includes the following where applicable:

- Chain of Custody



# SGS Accutest Sample Receipt Summary

**Job Number:** TC93635      **Client:** WESTON SOLUTIONS      **Project:** LA BAJADA  
**Date / Time Received:** \_\_\_\_\_      **Delivery Method:** \_\_\_\_\_      **Airbill #'s:** 564246198302,564246198287,564246198298,5642  
**No. Coolers:** 4      **Therm ID:** IR9;      **Temp Adjustment Factor:** 0;  
**Cooler Temps (Initial/Adjusted):** #1: (3/3); #2: (2.6/2.6); #3: (3.1/3.1); #4: (3.6/3.6);

**Cooler Security**      Y or N      Y or N  
 1. Custody Seals Present:        3. COC Present:    
 2. Custody Seals Intact:        4. Smpl Dates/Time OK:

**Cooler Temperature**      Y or N  
 1. Temp criteria achieved:    
 2. Cooler temp verification: \_\_\_\_\_  
 3. Cooler media: Ice (Bag)

**Quality Control Preservation**      Y      or      N      N/A      WTB      STB  
 1. Trip Blank present / cooler:            
 2. Trip Blank listed on COC:     
 3. Samples preserved properly:    
 4. VOCs headspace free:

**Sample Integrity - Documentation**      Y      or      N  
 1. Sample labels present on bottles:    
 2. Container labeling complete:    
 3. Sample container label / COC agree:

**Sample Integrity - Condition**      Y      or      N  
 1. Sample recvd within HT:    
 2. All containers accounted for:    
 3. Condition of sample: Intact

**Sample Integrity - Instructions**      Y      or      N      N/A  
 1. Analysis requested is clear:    
 2. Bottles received for unspecified tests:    
 3. Sufficient volume recvd for analysis:    
 4. Compositing instructions clear:     
 5. Filtering instructions clear:

Comments Received RAD226/228 unpreserved , lab added 16mls of HNO3 lot # 6022632 to all samples excdpt for MW-1 (8mls) and EB-1 (12mls)



## Problem Resolution

Accutest Job Number: TC93635

CSR: \_\_\_\_\_

Response Date: \_\_\_\_\_

Response:

3.1  
3

**TC93635X: Chain of Custody**  
**Page 3 of 5**

# Sample Receipt Log

Job #: TC93635 \_\_\_\_\_

Date / Time Received: 10/20/2016 \_\_\_\_\_

Initials: BG \_\_\_\_\_

Client: WESTON SOLUTIONS \_\_\_\_\_

| Cooler # | Sample ID: | Vol    | Bot # | Location | Pres  | pH                                           | Therm ID | Initial Temp | Therm CF | Corrected Temp |
|----------|------------|--------|-------|----------|-------|----------------------------------------------|----------|--------------|----------|----------------|
|          | TC93635-1  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-1  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-1  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |
|          | TC93635-1  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-2  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-2  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-2  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |
|          | TC93635-2  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-3  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-3  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-3  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |
|          | TC93635-3  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-4  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-4  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-4  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |
|          | TC93635-4  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-5  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-5  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-5  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |
|          | TC93635-5  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-6  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-6  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-6  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |

TC93635X: Chain of Custody

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# Sample Receipt Log

Job #: TC93635 \_\_\_\_\_

Date / Time Received: 10/20/2016 \_\_\_\_\_

Initials: BG \_\_\_\_\_

Client: WESTON SOLUTIONS \_\_\_\_\_

| Cooler # | Sample ID: | Vol    | Bot # | Location | Pres  | pH                                           | Therm ID | Initial Temp | Therm CF | Corrected Temp |
|----------|------------|--------|-------|----------|-------|----------------------------------------------|----------|--------------|----------|----------------|
|          | TC93635-6  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-7  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-7  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-7  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |
|          | TC93635-7  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-8  | GALLON | 1     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-8  | 250ml  | 2     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
|          | TC93635-9  | GALLON | 1     | SUB      | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-9  | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. |          |              |          |                |
|          | TC93635-9  | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       |          |              |          |                |
|          | TC93635-9  | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       |          |              |          |                |
| 1        | TC93635-10 | GALLON | 1     | sub      | HNO3  | pH < 2                                       | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 500ml  | 2     | 3G       | N/P   | Note #2 - Preservative check not applicable. | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 250ml  | 3     | 1-O      | H2SO4 | pH < 2                                       | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 250ml  | 4     | SUB      | HNO3  | pH < 2                                       | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | GALLON | 5     | SUB      | HNO3  | pH < 2                                       | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 500ml  | 6     | 3G       | N/P   | Note #2 - Preservative check not applicable. | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 250ml  | 7     | 1-O      | H2SO4 | pH < 2                                       | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 250ml  | 8     | SUB      | HNO3  | pH < 2                                       | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | GALLON | 9     | SUB      | N/P   | Note #2 - Preservative check not applicable. | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 500ml  | 10    | 3G       | N/P   | Note #2 - Preservative check not applicable. | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 250ml  | 11    | 1-O      | H2SO4 | pH < 2                                       | IR9      | 3            | 0        | 3              |
| 1        | TC93635-10 | 250ml  | 12    | SUB      | HNO3  | pH < 2                                       | IR9      | 3            | 0        | 3              |

TC93635X: Chain of Custody

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**APPENDIX C**

**Field Notes**

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Project - La Bajada GW Monitoring

Client - United States Forest Service

Date - Monday, September 21, 2015

Personnel - Debbie Kenyon & Greg Poussos

Weather - Clear, Warm, ~88°F

Scope of work - Mobilize to the La Bajada Site and begin work.

0545 - Meet up at office. Grab backpacks, paperwork, and tools to pack into the suitcase.

0600 - Depart office and travel by airplane to Albuquerque (ABQ)

0950 - Arrive in Albuquerque and get rental vehicle. Vehicle received was 4x4 Jeep Cherokee

1030 - Depart airport and head to the Weston ABQ office.

1050 - Arrive at Weston ABQ office. Load vehicle w/ equipment and bottles sent here by the lab and equipment store.

1120 - Depart office. Head to Home Depot on exit 242 to buy decon supplies, buckets, battery, and other various equipment.

Scale: 1 square = \_\_\_\_\_

9/21/15

1215- Lunch Break

1240- Head to the site to meet up with Jesse from the Pueblo.

1312- Arrive at meeting location and see Jesse from the Pueblo. We will follow him back to the gate and then to the site as a refresher to find the road.

1400- Get to the third river crossing. We are unable to cross due to the soft sands on the east side of the river. Jesse barely got across in his high clearance truck and we don't want to risk getting stuck.

1410- Pack-up to go and collect the surface samples up and downstream

1420- Calibrate YSI.

pH calibrates to 3.97, 6.99, 10.02

ORP calibrates to 238.6 mV

cond calibrates to  $1,322 \mu\text{S}/\text{cm}^3$ 

DO calibrates to 100% (good)

1445- Depart vehicle and cross the river to get into Jesse's truck.  
\* Will stop along the way and fix road as needed.

Scale: 1 square = \_\_\_\_\_

9/21/15

1510- Arrive at downstream location.

GPS point - #12 (0389403/3934385)

Stream width - 8.0 feet

collect 500 mL at 2, 4, 6 feet in each pass. Make 5 passes

Water Quality Parameters:

DO - 11.11 mg/L

ORP - 175.2 mV

pH - 8.46

temp -  $19.24^\circ\text{C}$ cond. -  $464 \mu\text{S}/\text{cm}^3$ 

\* Samples filtered at truck.

Photo's collected:

| #   | Direction | Description       |
|-----|-----------|-------------------|
| 815 | W         | collecting sample |
| 816 | W         | collecting sample |
| 817 | E         | upstream          |
| 818 | W         | downstream        |
| 819 | S         | surrounding area  |
| 820 | N         | surrounding area  |

1528- Head to next location.

1540- Arrive at upstream location

GPS point - #13 (0391029/3934745)

Stream width - 8.5 feet

collect 500 mL @ 2, 4, 6 feet in each pass. Make 5 passes.

Scale: 1 square = \_\_\_\_\_

9/21/15

## Water Quality Parameters:

DO - 11.48 mg/L

ORP - 152.6 mV

pH - 8.52

temp - 18.77°C

cond. - 449  $\mu\text{S}/\text{cm}^3$ 

\* Samples filtered at truck

Photos collected:

| #   | Direction | Description      |
|-----|-----------|------------------|
| 821 | W         | Downstream       |
| 822 | E         | upstream         |
| 823 | S         | surrounding area |

1604 - Depart Site w/ Jesse and head back to truck. We are going to head to Santa Fe and see if we can get 4x4 truck so we can drive to wells.

1640 - Depart Site. Head to Santa Fe.

1720 - Call Barb to check in and discuss site conditions. Explain we need a 4x4 high clearance truck to get back to the site. Road is too rocky and ~~area~~ river surroundings are soft. However, no trucks available in Santa Fe or ABQ due to a

Scale: 1 square = \_\_\_\_\_

9/21/15

recall of trucks by Chevy. We will have to keep vehicle.

It is agreed that we will try and sample using the peristaltic pump so we don't have to carry as much ~~vehicle~~ equipment back. We will try again on Tuesday.

1745 - Arrive at hotel. Unload the equipment.

1800 - Done for today.

~~Dobson Kenyon  
09/21/2015~~

Scale: 1 square = \_\_\_\_\_

Project - La Bajada GW Monitoring  
Client - United States Forest Service

Date - Tuesday, September 22, 2015

Personnel - Debbie Kenyon & Greg Rousseau

Weather - Cloudy to Partly Cloudy ~ 80°F

Scope of Work - Collect depth to water from each well and begin purge and sample activities.

0630 - Depart hotel and head to site.

0700 - Arrive at gate to site and meet w/ Jesse from the Pueblo. He cannot go back with us today. Gives cell phone and says to call if we get stuck.

0715 - Head back to the third crossing and stop/park.

0730 - Health & Safety briefing. Discuss weather, PPE, hydrations, lifting, slips/trips/falls, biological critters

0745 - Calibrate YSI and turbidity meter  
\*Pack-up and prepare to depart vehicle for the day.

0803 - Depart vehicle and head to the site wells. We will stop and gauge depth to water in

Scale: 1 square = \_\_\_\_\_

9/22/15

each of the site wells as we head east.

0815 - Arrive at MW-7.

Depth to water measurements are:

| Time | Well | DTW   | DTB   |
|------|------|-------|-------|
| 0818 | MW-7 | 13.43 | 53.30 |
| 0852 | MW-6 | Dry   | 27.72 |
| 0905 | MW-5 | 25.92 | 27.35 |
| 0910 | MW-4 | 35.87 | 54.63 |
| 0919 | MW-3 | 21.23 | 51.04 |
| 0932 | MW-2 | 20.03 | 50.13 |
| 0937 | MW-1 | 19.17 | 34.71 |
| 0943 | MW-0 | Dry   | 4.82  |

\*Well MW-0 appears to be broken at 1.5 feet down.

\*Depth to water for MW-7 is very different. Will recheck before sampling.

photo's collected:

| #   | Direction | Description        |
|-----|-----------|--------------------|
| 824 | NE        | Gauging well MW-0  |
| 825 | NE        | Gauging well MW-0. |

0946 - Head to well MW-1 to set-up and start well purge/sampling.

0954 - Begin purging well MW-1.

\*Details and water parameters

Scale: 1 square = \_\_\_\_\_

9/22/15

logged onto sampling sheet.

1030- Begin collecting sample. water parameters stabilized.

1110- All sample bottles full. Turn off pump and pull tubing.

photo's collecting

| #   | Direction | Description        |
|-----|-----------|--------------------|
| 826 | N         | sampling equipment |
| 827 | N         | sampling equipment |
| 828 | Down      | sampling equipment |

1123- Head to monitoring well MW-2.

1127- Arrive at well MW-2. Begin setting up to purge using the peristaltic pump.

1134- Begin purging well MW-1.  
\*Details and water parameters logged onto sampling sheet.

1205- Begin collecting sample. Water parameters stabilized.

1250- All sample bottles full. Turn off pump and pull tubing. Pack up to head to well MW-3.  
photo's collected

| #   | Direction | Description       |
|-----|-----------|-------------------|
| 829 | NW        | collecting sample |
| 830 | NE        | well & equipment  |

Scale: 1 square = \_\_\_\_\_

9/22/15

| #   | Direction | Description             |
|-----|-----------|-------------------------|
| 831 | N         | well & surrounding area |
| 832 | E         | well & surrounding area |
| 833 | S         | well & surrounding area |
| 834 | W         | well & surrounding area |

~~1250~~ Head to well MW-3.

1305- Arrive at well MW-3. Begin setting up to purge using the peristaltic pump

1312- Begin purging well MW-3.

\*Details and water parameters logged onto sampling sheet  
- Flow is very slow

1348- Begin collecting water sample and duplicate sample. Water parameters stabilized.

1555- Done with filling water bottles. (including duplicate).

Turn off pump and pull tubing. Pack-up and prepare to head back to vehicle.

photo's collected

| #   | Direction | Description             |
|-----|-----------|-------------------------|
| 835 | N         | well & surrounding area |
| 836 | E         | well & surrounding area |
| 837 | S         | well & surrounding      |
| 838 | W         | well & surrounding      |

Scale: 1 square = \_\_\_\_\_

9/22/15

1620- Begin hiking back to truck.  
Dark clouds overhead and starting  
to rain. Wind picking up.

1650- Arrive back at vehicle. Unload  
and pack vehicle. Prepare to  
depart the site.

1715- Depart site. Lock gate on way  
out. Call Barb and let her  
know that MW-0  $\approx$  MW-6 Dry.  
Fill her in on the day's activities.

1800- Arrive back at hotel. Unload  
equipment to rooms.

1810- Done for today.

Debbie  
09/22/15

Scale: 1 square = \_\_\_\_\_

Project- La Bajada GW Monitoring  
Client- United States Forest Service  
Date- Wednesday, September 23, 2015  
Personnel- Debbie Kenyon  $\approx$  Greg Roussos  
Weather- Partly Cloudy, Breezy  $\sim$  80°F  
Scope of work- Finish purging wells  
and collecting samples.

0630- Depart hotel and head to site.

0707- Arrive at gate on-site and meet  
up with Jesse from the Pueblo.  
He will not be coming out with us  
today as he is busy on other projects.

0715- Head back and park in same  
area as previous 2 days.

0730- Health and Safety briefing. Discuss  
slips/trips, falls, lifting/carrying  
weight, biological hazards, PPE,

0745- Calibrate YSI and turbidity meter  
\*Pack up and prepare to depart  
the vehicle for day.

0805- Depart vehicle and head to  
MW-4. Will start furthest out  
and work our way back.

0823- Arrive at MW-4. Set-up on well  
to purge and sample using

Scale: 1 square = \_\_\_\_\_

9/23/15

the peristaltic pump.

0834- Begin trying to purge well. Well will not purge though. Small drops of water and lots of air in line. Try to troubleshoot by checking depth of tubing, pump in right direction for flow, and all is connected correctly. Water level is deeper than the wells from day before so it appears the pump cannot get enough pressure to pump the well. We will pull out and go try MW-5. Will need to come back with the bladder pump to do purge.

0945- Try well MW-5. Well will not purge with the peristaltic pump. We will purge MW-7 on way back to vehicle to get bladder pump.

1005- Arrive at well MW-7. Set-up on well to purge using peristaltic pump

1021- Begin purging well MW-7. Purge details logged onto the sampling form  
\* While purging, Greg will hike back to vehicle and get bladder pump to the wells so we save time.

9/23/15

1055- Begin collecting sample. Water parameters stabilized.

1155- All sample bottles full. Turn off pump and pull tubing, photo's collected

| #   | Direction | Description             |
|-----|-----------|-------------------------|
| 841 | N         | equipment               |
| 842 | NE        | set-up to purge         |
| 843 | SE        | set-up to purge         |
| 844 | N         | well & surround area    |
| 845 | E         | well & surrounding area |
| 846 | S         | well & surrounding area |
| 847 | W         | well & surrounding area |

\* will leave peristaltic pump and sample under tree by road and hike it out at end of day.

1203- Head to monitoring well MW-5. Well already set-up to purge. Connect battery and tubing.

1209- Begin purging well MW-5 using the bladder pump. Only 1.5 feet of water so will watch water column & drawdown.

\* Details and water parameters logged onto sampling sheets.

9/23/15

1245 - Begin collecting sample. Although turbidity above 10 NTUs, water quality parameters have stabilized.

1345 - All sample bottles full. Turn off pump and pull tubing.  
Photo's collected

| #   | Direction | Description                   |
|-----|-----------|-------------------------------|
| 848 | E         | purging well / collect sample |
| 849 | NW        | purging well                  |
| 850 | SE        | purging well                  |
| 851 | N         | well & surrounding area       |
| 852 | E         | well & surrounding            |
| 853 | S         | well & surrounding            |
| 854 | W         | well & surrounding            |

1400 - Head to well MW-4. Set-up equipment to purge.

1423 - Begin purging well MW-4.

\*Greg is going to hike all materials no longer needed back to vehicle.

Debbie work on purge.

1433 - Battery is dead. Well no longer pumping. Greg had returned for something. Decide we will both

hike back all we can and then get the car battery to finish purging the well.

9/23/15

1440 - Hike back to vehicle. Pick up peristaltic pump & MW-7 samples.

1450 - Arrive back at vehicle. Greg is getting ~~back~~ battery out of car.

1545 - Battery out. Begin hike back to well MW-4 to get sample.

1600 - Begin purging well MW-4 again.

1620 - Begin collecting sample. Water parameters stabilized.

1655 - All sample bottles full. Turn-off pump and pull tubing.

\*MS/MSD was collected earlier at Well MW-7.

Photo's collected

| #   | Direction | Description          |
|-----|-----------|----------------------|
| 855 | N         | well & surrounding   |
| 856 | E         | well & surrounding   |
| 857 | S         | well & surrounding   |
| 858 | W         | well and surrounding |

1712 - Begin final hike back to vehicle.

All ~~the~~ remaining equipment & samples coming back.

1735 - Arrive back at vehicle. Decon equipment and pack-up vehicle.

1800 - Collect equipment blank sample using bladder pump.

Scale: 1 square = \_\_\_\_\_

Scale: 1 square = \_\_\_\_\_

9/23/2015

1/12/16

LA BAJADA

G. ROUSSOS

- 1825- Depart Site. Head to gas station to thoroughly ice down samples.  
 1900- Arrive at Gas Station. Buy ice and ice down samples  
 1920- Depart gas station. Head to AEO.  
 1950- Arrive at hotel. Finish packing equipment and complete COCs.  
 2020- Done for today.

Debbore vs  
 09/23/2015

Scale: 1 square = \_\_\_\_\_

0700 G. Roussos and R. Waters on site & will wait for Jesse (tribe) to open locked gate. Weather is clear, 10°F, high of 40°F today. Recently weather has been cold + very wet. Several inches of snow has fallen in the past weeks. Meet Jesse, he will be on site with us all day today and tomorrow. Plan to do all surface water sampling first then gauging. ———— ML

0730 onsite, H's meeting held, driving onsite & cold are the biggest issues today. ———— ML

0735 begin calibrating YSI S/N 11F10201  
 cond. 1421 → 1000  $\mu$ S/cm  
 pH 3.52 → 4.00  
 6.52 → 7.00  
 6.9.63 → 10.00 ———— ML

0800 begin to collect water for down stream SW sample. River measures 8' across. 500 mL aliquots taken from 2', 4', + 6' from shore. Total of 3 gallons collected. ———— ML

Scale: 1 square = \_\_\_\_\_

1/12/16 La BAJADA G. ROUSSOS

Water quality from down stream  
SW sample: ————  
temp -0.72°C  
cond 773 uS/cm  
%O<sub>2</sub> 68.5%  
DO 10.11 mg/L  
pH 7.95  
~~ORP 40.9 mV~~  
ORP 28.5

812 start gauging all wells ————  
MW-7 13.12'  
MW-6 dry  
MW-5 25.56  
MW-4 35.09  
MW-3 20.62  
MW-2 18.15  
MW-1 18.59  
MW-0 dry, DTR 4.80

dry mud on probe tip ————  
900 begin to collect water for

upstream SW sample  
stream is 9' wide, 2 logs  
collected at 2', 4', 6' from  
bank, 3 gallons collected

Scale: 1 square = \_\_\_\_\_

1/12/16 LA BAJADA G. ROUSSOS

photos collected: ————  
005 down stream sampling  
006 up stream sampling  
007 across stream ice  
Water quality: ————  
temp -0.58°C  
cond 759 uS/cm  
%O<sub>2</sub> 29.7%  
DO 4.19 mg/L  
pH 9.31  
ORP -27.7

0915 containerized SW-1 + SW-2  
filtering bottles for dissolved  
metals. All samples stored on ice.

0946 begin to purge MW-1,  
details recorded on purge  
log ————

1020 LIS-MW1-011216 collected  
metals was filtered ————

1050 photos collected ————  
008 west overview of  
009 north MW-1  
010 east conditions  
011 south  
012 close up ————

Scale: 1 square = \_\_\_\_\_

1/12/16 LA BAJADA G. ROUSSO

1052 collected photos of MW-0

013 looking N  
014 looking E  
015 looking S  
016 looking W  
017 close up / down

1108 Arrive begin to purge

- MW2, details on log

1140 collected sample LB-MW2-011216

dissolved metals was filtered.

1201 finished filling all bottles

1203 photos collected

018 looking N  
019 looking E  
020 looking S  
021 looking W  
022 close up

1250 begin collecting samples

LB-MW3-011216 + LB-MW3-011216

1322 photo 023 / west / sampling wt.

1352 photos collected of MW-3

023 looking N  
024 looking E  
025 looking S  
026 looking W  
027 close up looking S

Scale: 1 square =

1/12/16 LA BAJADA G. ROUSSO

1345 completed filling all bottles

dissolved metals bottles was filtered

1400 collected photos at MW-6

028 looking N  
029 looking E  
030 looking S  
031 looking W  
032 close up W

1412 Arrive @ MW7 & begin to

purge, details on purge log

begin to collect sample

LB-MW7-011216. dissolved

metals was filtered

ms/msO volume collected

1521 All sample bottles filled

begin to pack up all equipment

1535 All personnel off site, plan

to meet @ 8am tomorrow

1630 phone call w/ PM B. Wellington

to update on field activities

from today.

*G. Roussos*  
1/12/16

Scale: 1 square =

11/13/16

LA BAJADA

G. ROUSSOS

0800 G. ROUSSOS, R. WATERS, &amp; KELSE ON SITE

@ locked gate. Plan for the day  
to sample remaining wells &  
ship samples. H+S meeting:

cold, driving, &amp; slips/trips/falls

0810 ~~begin~~ begin to call back:

cond: 1847 → 1413

pH: 11.65 → 10

6.14 → 7

4.08 → 4

0852 begin to purge MWS w/ bladder  
pump. unable to produce water,  
had to place pump on bottom  
of well, water column is small.

0907 begin to purge MWS

0922 photo #39, N, bladder pump

setup on MW-5

0940 collect sample LB-MWS-011316

1020 finish filling bottles, metals

sample was filtered.

1035 collect sample LB-EB1-011316

1044 collected photos of MW-4

0040 view looking N

041 looking E

042 looking S

043 looking W

11/13/16

LA BAJADA

G. ROUSSOS

0044 close up view W

0051 set up on MW-5 MW-4,

begin to purge.

details on purge log

1125 collect sample LB-MW-4-011316

metals bottle is filtered

1152 all bottles are filled, begin

to pack up

1200 photos collected at MW-4

045 view N

046 view E

047 view S

048 view W

049 close up view W

1210 All packed up begin drive  
off site.

1230 All personnel off site, called

Pm B. Wettington for status

update

11515 All samples/equipment packed

&amp; dropped off at FedEx.

11/13/16

Scale: 1 square = \_\_\_\_\_

Scale: 1 square = \_\_\_\_\_

5/23/16 LA BAJADA G. ROUSSOS

1230 G. Roussos, R. Waters on site @ gate, will wait for Jesse. Jesse on site, move down to first well to set up for gauging & SW sampling.

1240 begin to calibrate YSI  
RFW # 24862  
pH 4 → 3.63  
pH 7 → 7.12  
pH 10 → 10.27  
ORP 240 → 242.0  
Cond. 140 → 1624

1250 Has meeting: Sun exposure, driving, snails

1300 begin collecting water for down stream SW sample. River measures 7' across. 500ml Aloguats taken from 2', 4', 6' from shore. 3 gallons collected.

water quality measurements:

temp: 18.47°C

cond: 667 us/cm

DO<sub>7c</sub>: 154.1%

DO: 14.05 mg/L

pH: 9.10

ORP: 148.4

Scale: 1 square = \_\_\_\_\_

5/23/16 LA BAJADA G. ROUSSOS

1315 water level measurements for site:

| Well | DTW            | DTR   |
|------|----------------|-------|
| MW-7 | <del>dry</del> | 53.00 |
| MW-7 | 13.23          | 53.00 |
| MW-6 | dry            | 27.85 |

1330 photos taken of MW6, 1 N, E, S, W

1335 MW-5 25.65 / 27.48

1 photos taken: NESW

1340 MW-4 35.37 / 55.61

1 photos taken: N, E, S, W

1346 MW-3 20.78 / 49.80

1 photos taken: N, E, S, W

1353 MW-2 18.63 / 49.68

1 photos taken: N, E, S, W

1358 MW-1 18.77 / 34.41

1 photos taken: N, E, S, W

1405 MW-00 dry / 4.75

1 photos taken: NESW

1409 begin taking Aloguats for

up stream SW sample. Stream is 8' wide, collect from 2', 4', 6' away from shore. photos collected downstream then upstream.

water quality readings:

temp: 19.80°C

Scale: 1 square = \_\_\_\_\_

5/23/16 LABAJADA G. ROUSSOS

Cond: 691 us/cm

DO: 174.1 %

DO: 15.45 mg/L

pH: 9.19

ORP: 84.0

1420 containerize SW-1 +

SW-2, filter for dissolved metals. All samples on ice.

1450 begin to purge MW-1, details recorded on field sheet.

1500 overview of sampling at MW/ photo taken. view N. — m

1510 LB-MW2-052316 collected

1552 begin to purge MW-2, details on field sheet.

1615 sample LB-MW2-052316 collected

1640 collection complete, pack up.

1700 offsite, call Barb to discuss

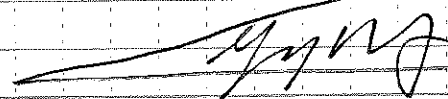
progress. Note for the day:

river was down from last time.

Jessie suggested river may

be too high to cross during

next event due to monsoons.

 5/23/16

Scale: 1 square = \_\_\_\_\_

5/24/16 LABAJADA G. ROUSSOS

0700 WESTON, JESSIE, OSC STEVE

MCDONALD onsite. Drive to MW-3.

0730 H+S meeting: sun exposure, SNAILCO, PPC. STEVE will watch GW sampling for 2 while then check RAD level on camp.

0735 begin to calibrate YSI

pH 4 → 4.15

pH 7 → 6.91

pH 10 → 10.21

cond: 1.463 → 1.213

ORP 240 → 257.9

0750 set up, begin to purge MW-3

0813 sample LB-MW3-052416 and

LB-MW3-052416-B collected

0930 stopped filling jars — m

0950 set up w/ bladder pump @

MW5 begin to purge BACK

note: C 945 Steve departed to

check radiation levels — m

unable to get water to purge

after multiple attempts

checks. Took pump apart.

missing inlet check valve.

Assume that is causing problems

Scale: 1 square = \_\_\_\_\_

5/24/16

La BAYONA

G. ROUSSES

1025

spoke w/ B. Wethington,  
suggested getting a new  
pump, bailers = last resort.  
called: HD supply, ABQ  
Pipe + pump, TP pump.  
after Richard talked  
to Sonney. None of these  
places had bladder pump  
or knew who does. Richard  
departs site to acquire bailers  
from ABQ office.

1050

Begin to set up on MW7  
| details recorded on field log

1133

sample LB-MW7-<sup>052416</sup> collected  
| w/ enough volume for ms/msd

1230

stop filling jars, pack up  
| equipment.

1245

call from Richard, he will  
| be here ~15 min. OSC McDermid  
back onsite.

1315

Richard back onsite w/ bailers.  
| spoke w/ Barb we will collect  
grab samples from each  
MW4 + MW5. Then take one  
round of water quality  
readings.

5/24/16

La BAYONA

G. ROUSSES

325

begin bailing MW-5, water  
| is very shallow, which seems  
to be the reason it is very turbid.  
Several times during bailing  
the bailer was rinsed w/ distilled  
water to remove sediment which  
was clogging the check valve.

330

sample LB-MW5-052416  
| collected

345

water quality readings from  
| bailed aliquot:

pH: 7.07, Temp: 27.05°C,  
cond: 896  $\mu$ S/cm, ORP: 113.3

DO: 7.12 mg/L, Turbid 86.8 NTU

Note:

starting water level was  
25.66' BTDC, final: 26.30' BTDC

355

begin bailing water from MW-4  
| sample = very clear.

400

sample LB-MW4-052416 collected

410

water quality readings from  
| bailed aliquot:

pH: 7.09, temp 22.07°C, cond. 1060,  
ORP 103.7, DO: 3.96 mg/L

Turbidity: 4.54 NTU  
| water level remained constant @  
35.41' BTDC

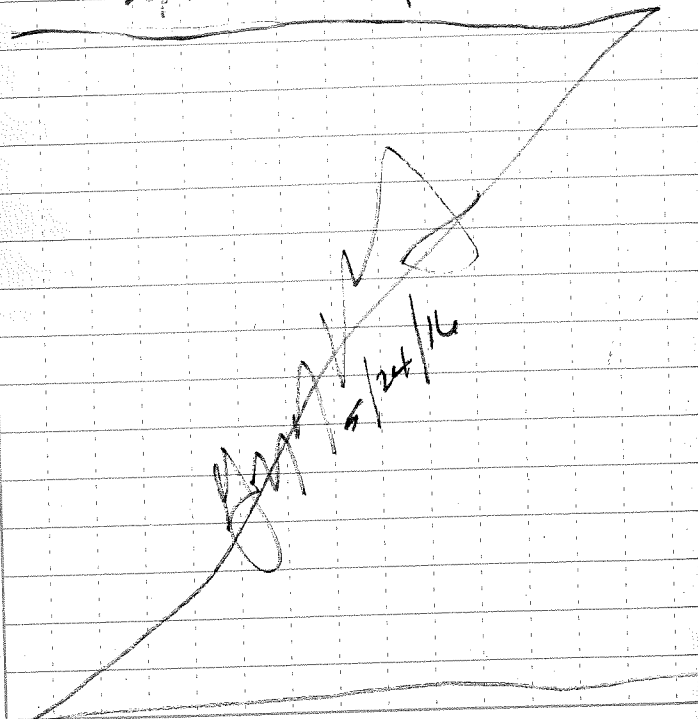
5/24/16 LABAJADA G. ROUSSOS

1420 After packing equipment / samples  
| intrude, depart from MW 4

1445 outside of gate, called +  
| left message w/ Barb informing  
of field team status ————

1520 Arrive AT ABQ office, begin  
| to pack samples. ————

1710 All samples + equipment  
| dropped off at FedEx for  
next day delivery. ————  
Depart for Airport ————



Scale: 1 square = \_\_\_\_\_

10/18/16 LA BASADA G. ROUSSOS

1400 G. ROUSSOS + R. WATERS on  
site at MW-7. WEATHER IS  
calm + sunny, 73°F. Jesse  
w/ Santa Domingo will not be  
able to stay with us this event.  
\* Prior to Arriving onsite Cochiti  
Police had spoken w/ Richard  
saying we were illegally trespassing  
on their land, Richard retreated  
and called Greg + alerted Jesse.  
Jesse made phone calls to Cochiti  
and resolved the confusion. Jesse  
was unable to get a key for  
the gate so he undid the wire  
and asked us to loosely wrap  
it when we are going in/out.

1415 CALIBRATE YSI

| pH 3.91 → 4

| 7.12 → 7

| 10.19 → 10

cond 1588 → 1413

1420 depth + water taken at MW 7  
13-39', DTB:

1427 begin to collect aliquots for  
down stream sample consistency  
w/ previous samples ————

Scale: 1 square = \_\_\_\_\_

10/18/16 LA BASTADA G. Poussot

Photo 001, view down stream

Richard take sample

Photo 002, view up stream

Same as 001

1430 water quality readings:

13.02 °C

620  $\mu\text{S}/\text{cm}$

DO = 639.7 %

DO = 65.05 mg/L

pH = 8.89

ORP = 49.5

1435 photo 003, MW-7 view N

004, MW 7 view E

005, MW 7 view S

006, MW 7 view W

1447 @ MW6, dry @ 27.81'

photo 007, MW6 view N

008, MW6 view E

009, MW6 view S

010, MW6 view W

1455 @ MW5, dtw = 25.99 dtb = 27.05

photo 011, MW5, view N

012, MW5, view E

013, MW5, view S

014, MW5, view W

10/18/16 LA BASTADA G. Poussot

1500 @ MW4, DTW 36.06, DTB 54.95'

photo 015, MW4, view N

016, MW4, view E

017, MW4, view S

018, MW4, view W

1507 @ MW3, DTW 21.56, DTB 50.20

photo 019, MW3, view N

020, MW3, view E

021, MW3, view S

022, MW4, view W

1514 @ MW2, DTW: 20.06, DTB 49.60

photo 023, MW2, view N

024, MW2, view E

025, MW2, view S

026, MW2, view W

1519 @ MW1, DTW 19.04', DTB 34.55'

photo 027, MW1, view N

028, MW1, view E

029, MW1, view S

030, MW1, view W

1526 @ MW0, dry at 4.80'

photo 031, MW-0, view N

032, MW-0, view E

033, MW-0, view S

034, MW-0, view W

10/18/16 LA BASADA G. ROUSSOS

1530 begin collecting Alloys  
for upstream sample  
consistent w/ previous sampling,  
photo 036, upstream sampling,  
view = down stream.

photo 037, upstream sampling  
view = up stream.

Water quality readings:

temp: 13.70°C

cond: 615

DO 11.07%

DO 1.03 mg/L

pH 9.22

ORP 59.0

1600 containerize SW-1 + SW2  
samples metals sample is  
filtered. Radium cubes were  
shipped w/o nitric, placed  
calls to Maurice's replacement  
& Beth Profit for instruction.  
Used old cubes for SW-2  
that had nitric.

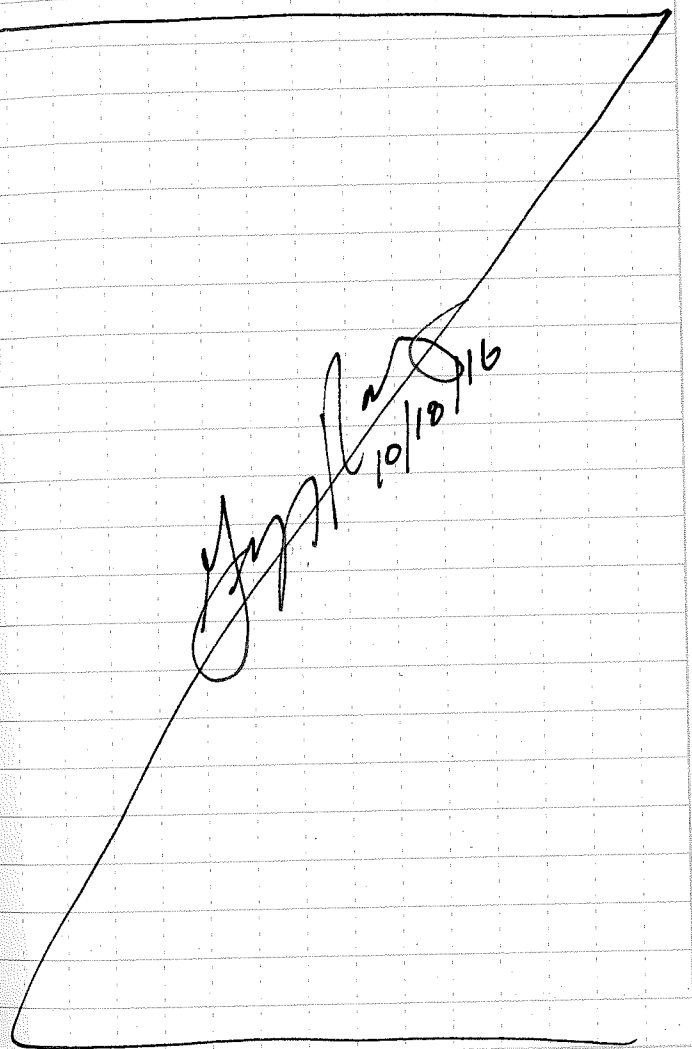
1627 begin to purge MW-1, details  
on purge log.

1645 spoke w/ Beth (Accountant) they  
will preserve the bottles

Scale: 1 square = \_\_\_\_\_

10/18/16 LA BASADA G. ROUSSOS

1740 completed filling bottles  
for MW-1. Begin to pack up  
offsite, plan to meet at  
0730 tomorrow.



Scale: 1 square = \_\_\_\_\_

| 10/19/16 | LA BASINOA                                                                                                  | G. ROUSSE | 10/19/16                                                                                             | LA BASINOA | G. ROUSSES |
|----------|-------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------|------------|------------|
| 0800     | meet w/ L Waters + Steve McDonald (USFS) at gate                                                            | 075       | sample LB-MWS-101916 collected, pack up, decon pump                                                  |            |            |
|          | All drive back to MW-2 together.                                                                            | 085       | sample LB-632-101916 collecty equip. blank off bladder pump                                          |            |            |
| 0825     | Has meeting, sun exposure, slips/trips/falls, reptiles.                                                     | 141       | set up on MW-4, begin to purge. Details written on purple log                                        |            |            |
| 0830     | begin to set up on MW-2                                                                                     |           |                                                                                                      |            |            |
|          | calibrate YSI                                                                                               | 1435      | sample LB-MW4-101916 collected.                                                                      |            |            |
|          | pH 4.02 → 4                                                                                                 |           | while RW fills sample bottles,                                                                       |            |            |
|          | 6.85 → 7                                                                                                    |           | GR to set up on MW-7.                                                                                |            |            |
|          | 10.41 → 16                                                                                                  | 1518      | begin to purge MW-7, details on purple log.                                                          |            |            |
|          | cond 1474 → 1413                                                                                            |           |                                                                                                      |            |            |
|          | O <sub>2</sub> calibrated to 9 mg/L                                                                         | 1540      | sample LB-MW7-101916 collected w/ extra volume for MS/MSD.                                           |            |            |
| 0905     | begin to purge MW-2, details on purple log                                                                  | 1630      | completed filling bottles, pack up depart site.                                                      |            |            |
| 0925     | sample LB-MW2-101916 collected                                                                              | 1700      | off site, patch fence, head                                                                          |            |            |
| 1015     | completed pumping @ MW-2, clean up + move to MW-3                                                           |           | back to ABQ office.                                                                                  |            |            |
| 1038     | begin to pump MW-3. DATA recorded on field log                                                              | 1830      | All coolers packed + delivered to FedEx. RW will pack + ship equipment tomorrow, GR head to Airport. |            |            |
| 1055     | samples LB-MW3-101916 and LB-MW3-101916-D collected. while Richard collects sample, Greg to set up on MW-5. |           |                                                                                                      |            |            |
| 1207     | begin to purge MW-5, details recorded on field sheet.                                                       |           |                                                                                                      |            |            |

Scale: 1 square = \_\_\_\_\_

Scale: 1 square = \_\_\_\_\_

*[Signature]*  
10/19/16



**MONITORING WELL SAMPLING LOG**

Well ID: **MW-1** Site / Sampling Event: **September 2015**  
**La Bajada GW / August 2015**

Purged by: **D. Kenyon / G. Roussos** Date: **9/22/2015** Weather: **Partly Cloudy, ~85°F**

Measurement Reference Point: **north side of casing** Sample Number: **LB-MW1-092215**

Static Water Level: **19.17** Well Depth: **34.71** Well Screen Interval: **Unknown** Initial Time: **0954** Final Time: **1110**

Casing Diameter: **4"** Bore Volume:  Pump Type: **peristaltic pump QED-Bladder Pump** Depth to Pump: **30 feet** Filtered Sample: **metals only**

| Time (hours) | Water Level (feet) | pH (S.U.) | Temp. (°C) | Specific Cond. (ohms/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | Flow Rate (mL/min) | Comments |
|--------------|--------------------|-----------|------------|--------------------------|----------|-----------|-----------------|--------------------|----------|
| 1000         | 19.20              | 6.64      | 17.18      | 666                      | 209.4    | 7.03      | 4.94            | 215                |          |
| 1005         | 19.35              | 6.57      | 17.29      | 663                      | 225.8    | 9.59      | 4.06            | 200                |          |
| 1010         | 19.47              | 6.57      | 16.89      | 662                      | 232.6    | 5.31      | 3.49            | 200                |          |
| 1015         | 19.58              | 6.62      | 16.83      | 661                      | 237.5    | 7.32      | 2.41            | 200                |          |
| 1020         | 19.70              | 6.66      | 16.77      | 658                      | 238.6    | 7.44      | 2.95            | 190                |          |
| 1025         | 19.82              | 6.66      | 17.11      | 657                      | 240.2    | 3.80      | 2.38            | 190                |          |
| 1030         | 19.95              | 6.73      | 18.20      | 656                      | 240.6    | 5.01      | 2.02            | 180                |          |
|              |                    |           |            |                          |          |           |                 |                    |          |
|              |                    |           |            |                          |          |           |                 |                    |          |
|              |                    |           |            |                          |          |           |                 |                    |          |
|              |                    |           |            |                          |          |           |                 |                    |          |
|              |                    |           |            |                          |          |           |                 |                    |          |
|              |                    |           |            |                          |          |           |                 |                    |          |
|              |                    |           |            |                          |          |           |                 |                    |          |
|              |                    |           |            |                          |          |           |                 |                    |          |
|              |                    |           |            |                          |          |           |                 |                    |          |
|              |                    |           |            |                          |          |           |                 |                    |          |
|              |                    |           |            |                          |          |           |                 |                    |          |
|              |                    |           |            |                          |          |           |                 |                    |          |
|              |                    |           |            |                          |          |           |                 |                    |          |
|              |                    |           |            |                          |          |           |                 |                    |          |

| Sample Time (hours) | Water Level (feet) | pH (S.U.) | Temp. (°C) | Specific Cond. (ohms/cm) | ORP (mV) | DO (mg/L) | Turbidity (NTU) | Flow Rate (mL/min) | Comments |
|---------------------|--------------------|-----------|------------|--------------------------|----------|-----------|-----------------|--------------------|----------|
| 1030                | 19.95              | 6.73      | 18.20      | 656                      | 240.6    | 5.01      | 2.02            | 180                |          |

Discharge Time: **11:10** Roadbox VOC: **n/a** Well cap in place?  Yes / No  
 Fill Time: **40 minutes** Well Headspace VOC: **n/a** Lock in place?  Yes / No  
 Fill Rate: **180 mL/min**

Stabilization Criteria from the O EPA Technical Guidance Manual for Ground Water Investigations:  
 Yes / No pH ± 0.1 SU       Yes / No ORP ± 10 mV  
 Yes / No Temp ± 0.5 °Celsius       Yes / No DO ± 10% or ± 0.2 mg/L (whichever is greater)  
 Yes / No Cond. ± 3%       Yes / No Turbidity ≤ 10 NTUs or ± 10% if > 10 NTU

Notes: **DO is jumpy.**































MONITORING WELL SAMPLING LOG

Well ID: MW-4 Site / Sampling Event: La Bajada GW / May 2016

Purged by: G. Roussos / R. Waters Date: 5/24/16 Weather:

Measurement Reference Point: N, TOC Sample Number: LB-MW4-052416 @ 1400

Static Water Level: 35.41 Well Depth: Well Screen Interval: Initial Time: 1355 Final Time: 1404

Casing Diameter: 4" Bore Volume: Pump Type: bailer Depth to Pump: Filtered Sample: metals

Table with 10 columns: Time (hours), Water Level (feet), pH (S.U.), Temp. (°C), Specific Cond. (ohms/cm), ORP (mV), DO (mg/L), Turbidity (NTU), Flow Rate (mL/min), Comments. Row 1 contains handwritten data: 1404, 35.41, 7.09, 22.07, 106.0, 103.7, 3.96, 4.54.

Summary table with 10 columns: Sample Time (hours), Water Level (feet), pH (S.U.), Temp. (°C), Specific Cond. (ohms/cm), ORP (mV), DO (mg/L), Turbidity (NTU), Flow Rate (mL/min), Comments.

Discharge Time: Roadbox VOC: n/a Well cap in place? Yes / No
Fill Time: Well Headspace VOC: n/a Lock in place? Yes / No
Fill Rate:

Stabilization Criteria:
Yes / No pH ± 0.1 SU Yes / No ORP ± 10 mV
Yes / No Temp ± 0.5 °Celsius Yes / No DO ± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No Cond. ± 3% Yes / No Turbidity ≤ 10 NTUs or ± 10% if > 10 NTU

Notes: final dtw = 35.41





MONITORING WELL SAMPLING LOG

Well ID: MW-7 Site / Sampling Event: La Bajada GW / May 2016

Purged by: G. Roussos Date: 5/24/16 Weather:

Measurement Reference Point: N, TOC Sample Number: LB-MW7-052416 (ms/msd)

Static Water Level: 13.20 Well Depth: Well Screen Interval: Initial Time: 1111 Final Time: 1230

Casing Diameter: 4" Bore Volume: Pump Type: peristaltic Depth to Pump: 40 Filtered Sample: METALS

Table with 10 columns: Time (hours), Water Level (feet), pH (S.U.), Temp. (°C), Specific Cond. (ohms/cm), ORP (mV), DO (mg/L), Turbidity (NTU), Flow Rate (mL/min), Comments. Contains 5 rows of data.

Table with 10 columns: Sample Time (hours), Water Level (feet), pH (S.U.), Temp. (°C), Specific Cond. (ohms/cm), ORP (mV), DO (mg/L), Turbidity (NTU), Flow Rate (mL/min), Comments.

Discharge Time: Roadbox VOC: n/a Well cap in place? Yes / No
Fill Time: Well Headspace VOC: n/a Lock in place? Yes / No
Fill Rate:

Stabilization Criteria:
Yes / No pH ± 0.1 SU Yes / No ORP ± 10 mV
Yes / No Temp ± 0.5 °Celsius Yes / No DO ± 10% or ± 0.2 mg/L (whichever is greater)
Yes / No Cond. ± 3% Yes / No Turbidity ≤ 10 NTUs or ± 10% if > 10 NTU

Notes:







MONITORING WELL SAMPLING LOG

Well ID: MW-3 Site / Sampling Event: La Bajada GW / October 2016

Purged by: G. Roussos / R. Waters Date: 10/19/16 Weather: clear, sunny

Measurement Reference Point: N, TOC Sample Number: LB-MW3-101916 = LB-MW3-101916-0

Static Water Level: 21.59 Well Depth: 50.20 Well Screen Interval: UNKNOWN Initial Time: 1038 Final Time: 1230

Casing Diameter: 4" Bore Volume: Pump Type: peristaltic Depth to Pump: 40' Filtered Sample: metals bottle

Table with 10 columns: Time (hours), Water Level (feet), pH (S.U.), Temp. (°C), Specific Cond. (ohms/cm), ORP (mV), DO (mg/L), Turbidity (NTU), Flow Rate (mL/min), Comments. Data rows for 1040, 1045, 1050, 1055.

Summary table with 10 columns: Sample Time (hours), Water Level (feet), pH (S.U.), Temp. (°C), Specific Cond. (ohms/cm), ORP (mV), DO (mg/L), Turbidity (NTU), Flow Rate (mL/min), Comments.

Discharge Time: Fill Time: N/A Fill Rate: Roadbox VOC: n/a Well Headspace VOC: n/a Well cap in place? Yes / No Lock in place? Yes / No

Stabilization Criteria: pH ± 0.1 SU, Temp ± 0.5 °Celsius, Cond. ± 3%, ORP ± 10 mV, DO ± 10% or ± 0.2 mg/L, Turbidity ≤ 10 NTUs or ± 10% if > 10 NTU

Notes:







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**APPENDIX D**

**Photograph Log**

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# PHOTOGRAPH LOG

**Project Name:**

La Bajada Groundwater Sampling  
September 2015

**Site Location:**

Santa Fe National Forest, New Mexico

**Project No.**

12767.201.001

**Photo No.**

1

**Date:**

9/21/2015

**Direction Photo Taken:**

East

**Description:**

Location of Sample SW-1  
looking upstream

**Photo No.**

2

**Date:**

9/21/2015

**Direction Photo Taken:**

East

**Description:**

Location of Sample SW-2  
looking upstream





# PHOTOGRAPH LOG

**Project Name:**

La Bajada Groundwater Sampling  
September 2015

**Site Location:**

Santa Fe National Forest, New Mexico

**Project No.**

12767.201.001

**Photo No.**

3

**Date:**

9/21/2015

**Direction Photo Taken:**

West

**Description:**

Collecting Sample SW-2

**Photo No.**

4

**Date:**

9/22/2015

**Direction Photo Taken:**

Northeast

**Description:**

Measuring depth to bottom of  
dry well, MW-0.





**PHOTOGRAPH LOG**

**Project Name:**

La Bajada Groundwater Sampling  
September 2015

**Site Location:**

Santa Fe National Forest, New Mexico

**Project No.**

12767.201.001

**Photo No.**

**5**

**Date:**

9/22/2015

**Direction Photo Taken:**

North

**Description:**

Monitoring well MW-1 with  
sampling equipment



**Photo No.**

**6**

**Date:**

9/22/2015

**Direction Photo Taken:**

Northeast

**Description:**

Monitoring well MW-2 with  
sampling equipment





**PHOTOGRAPH LOG**

**Project Name:**

La Bajada Groundwater Sampling  
September 2015

**Site Location:**

Santa Fe National Forest, New Mexico

**Project No.**

12767.201.001

**Photo No.**  
**7**

**Date:**  
9/22/2015

**Direction Photo Taken:**

East

**Description:**

Monitoring well MW-3 and  
surrounding area.



**Photo No.**  
**8**

**Date:**  
9/23/2015

**Direction Photo Taken:**

North

**Description:**

Monitoring well MW-4 and  
surrounding area





**PHOTOGRAPH LOG**

**Project Name:**

La Bajada Groundwater Sampling  
September 2015

**Site Location:**

Santa Fe National Forest, New Mexico

**Project No.**

12767.201.001

**Photo No.**  
**9**

**Date:**  
9/23/2015

**Direction Photo Taken:**

Southeast

**Description:**

Monitoring well MW-5, purging with bladder pump



**Photo No.**  
**10**

**Date:**  
9/23/2015

**Direction Photo Taken:**

Northeast

**Description:**

Monitoring well MW-7 with  
sampling equipment.





**PHOTOGRAPH LOG**

**Project Name:**

La Bajada Groundwater Sampling  
January 2016

**Site Location:**

Santa Fe National Forest, New Mexico

**Project No.**

12767.201.001

**Photo No.**  
**11**

**Date:**  
1/12/2016

**Direction Photo Taken:**

East

**Description:**

Collecting Sample SW-1 looking  
upstream



**Photo No.**  
**12**

**Date:**  
1/12/2016

**Direction Photo Taken:**

East

**Description:**

Collecting Sample SW-2 looking  
upstream





**PHOTOGRAPH LOG**

**Project Name:**

La Bajada Groundwater Sampling  
January 2016

**Site Location:**

Santa Fe National Forest, New Mexico

**Project No.**

12767.201.001

**Photo No.**  
**13**

**Date:**  
1/12/2016

**Direction Photo Taken:**

East

**Description:**

Monitoring well 0 and  
surrounding area



**Photo No.**  
**14**

**Date:**  
1/12/2016

**Direction Photo Taken:**

Northeast

**Description:**

Monitoring well 1 and  
surrounding area





**PHOTOGRAPH LOG**

**Project Name:**

La Bajada Groundwater Sampling  
January 2016

**Site Location:**

Santa Fe National Forest, New Mexico

**Project No.**

12767.201.001

**Photo No.**

**15**

**Date:**

1/12/2016

**Direction Photo Taken:**

North

**Description:**

Monitoring well 2 and  
surrounding area



**Photo No.**

**16**

**Date:**

1/12/2016

**Direction Photo Taken:**

East

**Description:**

Monitoring well 3 and  
surrounding area





**PHOTOGRAPH LOG**

**Project Name:**  
La Bajada Groundwater Sampling  
January 2016

**Site Location:**  
Santa Fe National Forest, New Mexico

**Project No.**  
12767.201.001

**Photo No.**  
**17**

**Date:**  
1/13/2016

**Direction Photo Taken:**  
North

**Description:**  
Monitoring well 4 and  
surrounding area



**Photo No.**  
**18**

**Date:**  
1/13/2016

**Direction Photo Taken:**  
West

**Description:**  
Monitoring well 5 and  
surrounding area





**PHOTOGRAPH LOG**

**Project Name:**

La Bajada Groundwater Sampling  
January 2016

**Site Location:**

Santa Fe National Forest, New Mexico

**Project No.**

12767.201.001

**Photo No.**

**19**

**Date:**

1/12/2016

**Direction Photo Taken:**

East

**Description:**

Monitoring well 6 and  
surrounding area



**Photo No.**

**20**

**Date:**

1/12/2016

**Direction Photo Taken:**

North

**Description:**

Monitoring well 7 and  
surrounding area





**PHOTOGRAPH LOG**

**Project Name:**  
La Bajada Groundwater Sampling  
January 2016

**Site Location:**  
Santa Fe National Forest, New Mexico

**Project No.**  
12767.201.001

**Photo No.**  
**21**

**Date:**  
1/12/2016

**Direction Photo Taken:**  
East

**Description:**  
Peristaltic pump sampling MW-3  
along with sampling equipment



**Photo No.**  
**22**

**Date:**  
1/13/2016

**Direction Photo Taken:**  
East

**Description:**  
Bladder pump purging MW-5  
along with sampling equipment





**PHOTOGRAPH LOG**

**Project Name:**  
La Bajada Groundwater Sampling  
May 2016

**Site Location:**  
Santa Fe National Forest, New Mexico

**Project No.**  
12767.201.001

**Photo No.**  
**23**

**Date:**  
5/23/2016

**Direction Photo Taken:**

East

**Description:**

Collecting SW-1, looking  
upstream



**Photo No.**  
**24**

**Date:**  
5/23/2016

**Direction Photo Taken:**

East

**Description:**

Collecting SW-2, looking  
upstream





**PHOTOGRAPH LOG**

**Project Name:**  
La Bajada Groundwater Sampling  
May 2016

**Site Location:**  
Santa Fe National Forest, New Mexico

**Project No.**  
12767.201.001

**Photo No.**  
**25**

**Date:**  
5/23/2016

**Direction Photo Taken:**

North

**Description:**

MW-0 and surrounding area



**Photo No.**  
**26**

**Date:**  
5/23/2016

**Direction Photo Taken:**

West

**Description:**

MW-1 and surrounding area





**PHOTOGRAPH LOG**

**Project Name:**

La Bajada Groundwater Sampling  
May 2016

**Site Location:**

Santa Fe National Forest, New Mexico

**Project No.**

12767.201.001

**Photo No.**  
**27**

**Date:**  
5/23/2016

**Direction Photo Taken:**

East

**Description:**

MW-2 and surrounding area



**Photo No.**  
**28**

**Date:**  
5/23/2016

**Direction Photo Taken:**

West

**Description:**

MW-3 and surrounding area





**PHOTOGRAPH LOG**

**Project Name:**  
La Bajada Groundwater Sampling  
May 2016

**Site Location:**  
Santa Fe National Forest, New Mexico

**Project No.**  
12767.201.001

**Photo No.**  
**29**

**Date:**  
5/23/2016

**Direction Photo Taken:**

North

**Description:**

MW-4 and surrounding area



**Photo No.**  
**30**

**Date:**  
5/23/2016

**Direction Photo Taken:**

East

**Description:**

MW-5 and surrounding area





**PHOTOGRAPH LOG**

**Project Name:**

La Bajada Groundwater Sampling  
May 2016

**Site Location:**

Santa Fe National Forest, New Mexico

**Project No.**

12767.201.001

**Photo No.**  
**31**

**Date:**  
5/23/2016

**Direction Photo Taken:**

East

**Description:**

MW-6 and surrounding area



**Photo No.**  
**32**

**Date:**  
5/23/2016

**Direction Photo Taken:**

North

**Description:**

Peristaltic pump sampling MW-1  
along with sampling equipment

