APPENDIX 6

Environmental Site Assessment and Remedial Action Plan

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RESULTS OF ENVIRONMENTAL SITE ASSESSMENT ACTIVITIES AND REMEDIAL ACTION PLAN

Bella Vista Ranch and Butler Ranch Assessor Parcel Numbers 021-270-37, 021-270-38, 021-270-41, 165-011-07, 165-011-09, 165-012-02, 021-760-06, 021-760-08 and 021-760-09 Near Alexander Lake, City of Reno, Washoe County, Nevada Facility ID: D-000961

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1. INTRODUCTION

On behalf of Bella Vista Ranch Company, LLC and NPLC BV Investment Company, LLC, McGinley and Associates, Inc. (MGA) has prepared this report describing environmental site assessment (ESA) activities conducted at Bella Vista Ranch and Butler Ranch, (Assessor Parcel Numbers (APNs) 021-270-37, 021-270-38, 021-270-41, 165-011-07, 165-011-09, 165-012-02, 021-760-06, 021-760-08 and 021-760-09), City of Reno, Washoe County, Nevada (Subject Property). The site location is indicated in Figure 1. Included herein are the results of the environmental site assessment activities, a plan for remedial action, and information requested in correspondence from the Nevada Division of Environmental Protection (NDEP) dated December 20, 2016.

2. SCOPE OF SERVICES

The initial ESA activities consisted of the following:

- preparation of a health and safety plan;
- soil sample collection activities;
- analytical testing of collected samples for mercury;
- regulatory reporting of a release discovery to the Nevada Division of Environmental Protection (NDEP); and,
- preparing this report.

3. BACKGROUND

The Bella Vista and Butler Ranches are planned for development as a residential/mixed-use community by NPLC BV Investment Company, LLC. The community development project is located immediately adjacent to the Regional Transportation Commission's (RTC) Southeast Connector Roadway Project. Mercury-impacted soil was discovered on the Southeast Connector Roadway Project by RTC, which resulted in awareness of the mercury by pertinent regulatory authorities. Proposed cut and fill activities within the 100-year floodplain of Steamboat Creek for site grading prompted a Conditional Letter of Map Revision (CLOMR) with the Federal Emergency Management Agency (FEMA). FEMA required an assessment of mercury impacted soil as a condition of the CLOMR and therefore, an environmental site assessment was conducted to assess for mercury within the soil proposed for cut and fill activities.

4. CONCEPTUAL SITE MODEL

The mercury-impacted soil at the Subject Property is believed to be related to legacy gold milling activities from the historic Comstock Lode mining era. Processing of the ore at Comstock's gold mills generally involved comminution of the ore with stamp mills, creating a slurry, and adding mercury to form an amalgam with the gold and silver. The gold and silver were later separated from the mercury using a distillation process and the mercury was reused. After about 1900, cyanide leaching and flotation processes replaced mercury amalgamation. The historical mills that impacted Steamboat Creek were located on Galena Creek and in

Washoe City, near Washoe Lake. Fluvial transport of the mercury is the primary means by which its mobilized in Steamboat Creek. The mercury is generally contained in the stream channel of Steamboat Creek, but decades of flood-irrigation at the Subject Property with water from Steamboat Creek allowed mercury-impacted sediment to be deposited on the irrigated areas of the Subject Property. As such, mercury-impacted soil is not expected to exist above the flood-irrigated lands and mercury concentrations within the irrigated areas are expected to decrease with distance from Steamboat Creek.

5. INITIAL ESA ACTIVITIES

The initial ESA activities described in the following sections were conducted on September 6, 2016 through September 9, 2016.

5.1 Objectives

The objectives of the initial ESA activities were to: 1) to assess for the presence of mercury in soil within areas proposed for cut and fill activities and two proposed borrow areas; 2) to assess for the presence of mercury in soil adjacent to a dewatering pond area proposed for future uses; and, 3) assess whether the mercury impacted soil is a hazardous waste.

5.2 Soil Sample Collection

The irrigated lands preliminarily proposed for cut and fill activities adjacent to Steamboat Creek were divided into four-acre grid cells, due to the proximity to Steamboat Creek, and the irrigated lands located away from Steamboat Creek were divided into 16-acre grid cells. Within each of the 55 total grid cells, a soil sample was collected from the center of the cell and homogenized with four other soil samples each collected randomly from within the four quarter-sections of the same grid cell. Soil samples were collected from the top six inches of soil using hand-tools and placed into a one-gallon Zip-loc bag for homogenization. After the soil had been thoroughly homogenized, a soil sample was collected from the Zip-loc bag and placed into a glass jar for delivery to the laboratory.

Borrow material from two nearby pits will be used as fill within the project area. The source material in the borrow pits was sampled to demonstrate that there were no mercury impacts to the borrow material. MGA collected a total of 19 discrete soil samples from within the borrow pits at random locations from the top six inches of material.

At the request of the Subject Property owner, three discrete soil samples were collected in the vicinity of a dewatering pond associated with the construction of the Southeast Connector. The soil samples were collected in undisturbed areas adjacent to the dewatering pond, from the top six inches of soil.

The soil samples were placed in laboratory-provided glass sample containers with a Teflon lid. The sample jars were filled completely to minimize head space, sealed, labeled and preserved in a cooler pending delivery to the laboratory for analysis. The 55 grid cells that were sampled and the borrow pit sample locations are shown on Figure 2. The locations of the samples collected adjacent to the dewatering pond are shown on Figure 3.

5.3 Analytical Testing

Soil samples were delivered under chain-of-custody protocol to a Nevada-certified laboratory, ESC Lab Sciences in Mt. Juliet, Tennessee, for analytical testing. The soil samples were analyzed for total solids by Method 2540-G2011 and total mercury by Method 7471A. Three composite soil samples with the highest reported concentrations of mercury were also analyzed by Toxicity Characteristic Leaching Procedure (TCLP) preparation by Method 1311 and analyzed for mercury by Method 7470A. Copies of the chain of custody records and analytical laboratory reports for the soil samples are included as Appendix A

5.4 Analytical Results

Analytical results of the soil samples are provided in Table 1. Detectable concentrations of mercury in the collected composite samples ranged from 0.0669 milligrams per kilogram (mg/kg) to 84.7 mg/kg. Detectable concentrations of mercury in the discrete samples collected from the two borrow pits ranged from 0.00535 mg/kg to 0.124 mg/kg. Detectable concentrations of mercury in the discrete samples collected adjacent to the dewatering pond ranged from 5.65 mg/kg to 15.5 mg/kg. All concentrations are reported on a dry-weight basis. The analytical results of the three composite soil samples analyzed for TCLP mercury were all reported below the laboratory detection limit, indicating the material is non-hazardous.

6. VERTICAL DELINEATION

Additional ESA activities were conducted on November 29 and 30, 2016 to assess the vertical extent of mercury impacts at the Subject Property. The site assessment activities for vertical delineation are described in the following section.

6.1 Objective

The objective of the additional ESA activities was to establish the maximum depths of mercury impacts to soils at the Subject Property.

6.2 Soil Sample Collection

Using the same grid pattern from the initial ESA activities, soil samples were collected from the ten grid cells with the highest reported concentrations of mercury based on the analytical results of the initial ESA (grid cells G013, G014, G017, G039, G045, G048, G049, G050, G053, and G055). Within each of the ten grid cells, four discrete soil samples were collected from the center of the cell at six-inch intervals down to two feet below ground surface (i.e.: 0-0.5 feet, 0.5-1.0 feet, 1.0-1.5 feet, and 1.5-2.0 feet below ground surface at each sample location).

The soil samples were placed in laboratory-provided glass sample containers with a Teflon lid. The sample jars were filled completely to minimize head space, sealed, labeled and preserved in a cooler pending delivery to the laboratory for analysis.

6.3 Analytical Testing

Soil samples were delivered under chain-of-custody protocol to ESC Lab Sciences in Mt. Juliet, Tennessee, for analytical testing. The soil samples were analyzed for total solids by Method 2540-G2011 and total mercury by Method 7471A. Five soil samples with the highest

reported concentrations of total mercury were also analyzed for methylmercury by Method 1630. Copies of the chain of custody records and analytical laboratory reports for the soil samples are included as Appendix A

6.4 Analytical Results

Analytical results of the soil samples are provided in Table 1 and Figure 4. All concentrations are reported on a dry-weight basis. Detectable concentrations of total mercury in the collected samples ranged from 0.198 mg/kg to 116 mg/kg. Grid cells G014, G048, and G053 had reported total mercury concentrations above 80 mg/kg in the discrete samples. None of the soil samples collected from 1.5 to 2.0 feet below ground surface had reported concentrations of mercury above 22 mg/Kg. Therefore, mercury impacts above the action level of 80 mg/kg are not expected below a depth of two feet at the Subject Property. Detectable concentrations of methylmercury, in the five samples with the highest concentration of total mercury, ranged from 0.875 nanograms per gram (ng/g) to 5.52 ng/g, which are all well below the United States Environmental Protection Agency Region 9 Regional Screening Level of 7,800 ng/g (7.8 mg/kg) for methylmercury. Based on these results, it does not appear that the mercury has methylated to concentrations that warrant further assessment.

7. REGULATORY REPORTING AND DETERMINATION OF REMEDIAL ACTION LEVEL

The reportable concentration for mercury in Nevada is 11 milligrams per liter (mg/kg) for residential soil and 46 mg/kg for industrial soil (based on United States Environmental Protection Agency Region 9 Regional Screening Levels). Of the 55 grid cells that were sampled, 37 grid cells had reported concentrations of mercury above the Nevada reportable concentration of 11 mg/Kg. Because mercury concentrations were detected above Nevada reportable concentrations in the collected soil samples, pursuant to the Nevada Administrative Code (NAC) 445A.345 through 445A.348 and the *NDEP Dra Guidelines for Discovery Events, June 2014*, the release was telephonically reported to the NDEP on November 3, 2016. A copy of the NDEP spill report (NDEP spill report number 161103-05) is provided in Appendix B.

MGA met with the NDEP on December 20, 2016 to engage in preliminary discussions regarding a path forward for this case. In the meeting, the NDEP determined that mercury impacts in Steamboat Creek can reasonably be attributed to the legacy mining and milling from the Comstock mining era. Therefore, this corrective action case would be administered in accordance with the Carson River Mercury Superfund Site, which has a residential remedial action level of 80 mg/kg for mercury in soil.

The NDEP subsequently issued a Request for Release/Spill Information letter dated December 20, 2016. The “Attachment B” information requested in the NDEPs December 20th letter is provided in Appendix C.

8. SUMMARY

The following is a summary of field activities and findings:

- The Bella Vista and Butler Ranches are planned for development as a residential/mixed-use community by NPLC BV Investment Company, LLC. Mercury-impacted soil was

discovered on the Southeast Connector Roadway Project by RTC. FEMA required an assessment of mercury impacted soil as a condition of a CLOMR and therefore, an environmental site assessment was conducted to assess for mercury within the soil proposed for cut and fill activities.

- The mercury-impacted soil at the Subject Property is believed to be related to legacy gold milling activities from the historic Comstock Lode mining era. The mercury is generally contained in the stream channel of Steamboat Creek, but decades of flood-irrigation at the Subject Property with water from Steamboat Creek allowed mercury-impacted sediment to be deposited on the irrigated areas of the Subject Property.
- Based on our discussions with the NDEP. this corrective action case will be administered in accordance with the Carson River Mercury Superfund Site, which has a residential remedial action level of 80 mg/kg for mercury in soil.
- During initial ESA activities, composite soil samples were collected from a total of 55 grid cells at the Subject Property. Additionally, a total of 19 discrete soil samples were collected from proposed borrow material in two nearby pits that will be used as fill within the project area to demonstrate that there were no mercury impacts in the borrow material. At the request of the property owner, three discrete soil samples were collected in the vicinity of a dewatering pond associated with the construction of the Southeast Connector.
- Detectable concentrations of mercury in the collected composite samples ranged from 0.0669 to 84.7 mg/kg. Detectable concentrations of mercury in the discrete samples collected from the two borrow pits ranged from 0.00535 to 0.124 mg/kg. Detectable concentrations of mercury in the discrete samples collected adjacent to the dewatering pond ranged from 5.65 to 15.5 mg/kg.
- Based on the results of the composite soil sampling, two grid cells were identified with mercury impacts above 80 mg/kg.
- Additional ESA activities were conducted to assess the vertical extent of mercury impacts at the Subject Property. Detectable concentrations of total mercury in the collected samples ranged from 0.198 to 116 mg/kg. None of the soil samples collected from 1.5 to 2.0 feet had reported concentrations of mercury above 22 mg/Kg. Therefore, mercury impacts above the action level of 80 mg/kg are not expected below a depth of two feet at the Subject Property.
- Detectable concentrations of methylmercury, in the five samples with the highest concentration of total mercury, ranged from 0.875 to 5.52 ng/g, which are all well below the United States Environmental Protection Agency Region 9 Regional Screening Level of 7,800 ng/g for methylmercury. Based on these results, it does not appear that the mercury has methylated to concentrations that warrant further assessment.

9. REMEDIAL ACTION PLAN

9.1 Site Grading Plan

Mass grading of the Subject Property will occur as a part of construction activities during site development. Cut and fill of soil will occur throughout the project area to raise proposed development areas out of the floodway of Steamboat Creek, while increasing the capacity of the floodway. The proposed cut and fill areas shown on Figure 2 were preliminary and have

since been updated to the current cut and fill areas shown on Figure 5. Because the balance of cut and fill from the floodplain is not enough to raise development areas out of the floodway of Steamboat Creek, additional fill material sourced from the two borrow pits that were previously assessed will be used to raise all land uses (except open space) up to final grade. Additionally, due to geotechnical considerations, at least two feet of structural fill from the two borrow pits will be required in the areas where floodplain soil was used as fill. Therefore, at least two feet of clean fill will be placed above all areas receiving fill material from the floodplain area for all proposed land uses except open space.

Based on previous assessment activities, sample grid cells G014, G048, G053 and G045 were identified as areas with mercury concentrations exceeding the action level of 80 mg/kg that will require remedial action. Remediation of the mercury impacted soil in these four grid cells will be accomplished by covering the mercury-impacted material with at least two feet of clean fill during site grading activities to eliminate the potential exposure pathway.

Sample grid cells G048 and G053 are located in areas planned entirely for non-residential use. These two grid cells are located within areas that will be cut to deepen the floodway of Steamboat Creek (see Figure 5). Previous assessment activities have demonstrated that mercury impacts above the action level do not extend beyond two feet below ground surface. As such, the soil within the extent of these two grid cells will be excavated to two feet below ground surface and stockpiled adjacent to the excavation. The remaining underlying soil within the two grid cells will continue to be excavated to the proposed final grade and used as fill in other areas of the Subject Property. After the final grade is achieved, the soil within the grid cells will be excavated at least four feet beyond the proposed final grade. This excavated material will be stockpiled separate from the shallow mercury-impacted soil to be used later as fill material. After the soil has been excavated to at least four feet below final grade, the stockpiled mercury-impacted soil will be placed within the bottom of the excavation and covered with at least two feet of the stockpiled non-mercury-impacted soil and/or clean imported fill from the two borrow pits. Any remaining non-mercury-impacted soil will be used as fill in other areas of the property.

The majority of grid cells G014 and G045 are proposed for non-residential use, however, portions have been proposed for residential use. For grid cells G014 and G045, the soil within the full extent of the grid cells will be excavated to two feet below ground surface and stockpiled adjacent to the excavation. Depending on the proposed final grade, the remaining underlying soil will either continue to be excavated and used as fill in other areas of the Subject Property or backfilled with clean imported fill from the borrow areas. After the final grade is achieved, only the soil within the floodway area will be over-excavated at least four feet beyond the proposed final grade. The portions that are designated as residential or for a road right of way are to remain at the final grade proposed. The excavated material will be stockpiled separate from the shallow mercury-impacted soil, to be used later as fill material. After the soil has been excavated to at least four feet below final grade, the stockpiled mercury-impacted soil will be placed within the bottom of the excavation and covered with at least two feet of the stockpiled non-mercury-impacted soil and/or clean imported fill from the two borrow pits. Any remaining non-mercury-impacted soil will be used as fill in other areas of the property.

10. CONFIRMATION SAMPLING

10.1 Soil Sample Collection

After the site has achieved final grade, confirmation soil samples will be collected to demonstrate that no mercury impacts above 80 mg/Kg are present within the top two feet of soil in the residential areas where cut and fill activities from the floodplain occurred. Residential areas that lie above the former flood zone that were only cut and/or only received fill from the two borrow pits will not be sampled. The four grid cells that were subject to remedial activities will also be assessed during the confirmation sampling.

The four grid cells where remedial activities occurred and the residential areas where cut or fill activities occurred will be divided into one-acre sample grid cells, totaling approximately 415 sample grid cells (see Figure 6). At the centroid of each of the sample grid cells, a discrete soil sample will be collected from the top three inches of soil at the surface and from a depth of two feet below ground surface. If the centroid of the grid cell does not lie within a proposed residential area because its located along the boundary, the discrete sample will be collected from near the center of the residential area that lies within that sample grid cell. Following sample collection, the borehole will be backfilled with the remaining soil that was excavated from the borehole.

Soil samples will be collected in accordance with the US EPA “Soil Sampling” Standard Operating Procedure (SOP) provided in Appendix D. It is anticipated soil samples will be collected with a hand auger and/or direct-push drilling rig in accordance with Section 7.2.2 of the aforementioned SOP. The soil samples will be placed in laboratory-provided glass jars with Teflon lids, sealed, labeled, placed on ice in a cooler, and delivered to the laboratory under chain-of custody protocol. The soil samples will be delivered to the laboratory within one week of sample collection.

10.2 Analytical Testing

Soil samples will be delivered under chain-of-custody protocol to ESC Lab Sciences in Mt. Juliet, Tennessee, for analytical testing. The soil samples will be analyzed for total solids by Method 2540-G2011 and total mercury by Method 7471A.

10.3 Report Preparation

Following completion of the remedial activities, MGA will prepare a report for submittal to the NDEP. The report will include a description of remedial activities, final disposition locations, confirmation soil sampling protocols and results, analytical laboratory reports and chain-of-custody documentation, and any other relevant information/documents. Additionally, if appropriate, a request for No Further Action will also be submitted with the report. MGA anticipates this report will be submitted to the NDEP within 60 to 90 days following completion of remedial activities.

11. LIMITATIONS

The conclusions presented herein are partially based on information provided by MGA. MGA makes no warranties or guarantees as to the accuracy or completeness of information provided or compiled by others. The results reported herein are applicable to the time the sampling occurred. Changes in site hydrogeology may occur as a result of rainfall, snowmelt, water usage, or other factors.

It should be recognized that definition and evaluation of environmental conditions is a difficult and inexact science. Judgments and opinions leading to conclusions and recommendations are generally made with an incomplete knowledge of the conditions present. More extensive studies, including additional environmental investigations, can tend to reduce the inherent uncertainties associated with such studies. Additional information not found or available to MGA at the time of writing this report may result in a modification to the conclusions and recommendations contained herein.

The presentation of data presented herein is intended for the purpose of the visualization of environmental conditions. A greater degree of spatial and temporal data density may result in a more accurate representation of environmental conditions. Although such data visualization techniques may aid in providing a conceptual understanding of environmental conditions, such presentations are not intended to completely depict environmental conditions.

This report is not a legal opinion. The services performed by MGA have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession currently practicing under similar conditions. No other warranty, expressed or implied, is made.

The use of the word "certify" in this document constitutes an expression of professional opinion regarding those facts or findings which are the subject of the certification and does not constitute a warranty or guarantee, either express or implied.

12. CLOSING

MGA trust the information provided herein satisfies the requirements of the NDEP at this time. Should you have any questions regarding this report, please contact us at (775) 829-2245.

Respectfully submitted,

McGinley and Associates, Inc.

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state and local statutes, regulations, and ordinances.

Benjamin Peterson, PG, CEM # 2397, Exp. 3/24/19
Project Manager

Reviewed by:

Joseph McGinley, PE, PG, C.E.M. #1036, Exp. 11/23/18
Principal

Table 1. Summary of Soil Analytical Results

Sample ID	Sample Collection Date	Sample Type	Grid ID or Feature	Sample Depth (Feet)	Total Mercury Concentration (mg/kg-dry)	Methylmercury Concentration (ng/g)
BLC001-G001	9/6/2016	Composite	G001	0-0.5	7.03	NA
BLC001-G002	9/6/2016	Composite	G002	0-0.5	13.3	NA
BLC001-G003	9/6/2016	Composite	G003	0-0.5	10.9	NA
BLC001-G004	9/6/2016	Composite	G004	0-0.5	3.47	NA
BLC001-G005	9/6/2016	Composite	G005	0-0.5	6.07	NA
BLC001-G006	9/6/2016	Composite	G006	0-0.5	8.15	NA
BLC001-G007	9/6/2016	Composite	G007	0-0.5	28.0	NA
BLC001-G008	9/6/2016	Composite	G008	0-0.5	22.4	NA
BLC001-G009	9/6/2016	Composite	G009	0-0.5	13.3	NA
BLC001-G010	9/6/2016	Composite	G010	0-0.5	17.3	NA
BLC001-G011	9/6/2016	Composite	G011	0-0.5	22.8	NA
BLC001-G012	9/6/2016	Composite	G012	0-0.5	10.5	NA
BLC001-G013	9/7/2016	Composite	G013	0-0.5	42.9	NA
BLC001-G014	9/7/2016	Composite	G014	0-0.5	36.6	NA
BLC001-G015	9/6/2016	Composite	G015	0-0.5	11.3	NA
BLC001-G016	9/7/2016	Composite	G016	0-0.5	35.8	NA
BLC001-G017	9/7/2016	Composite	G017	0-0.5	48.7	NA
BLC001-G018	9/7/2016	Composite	G018	0-0.5	26.6	NA
BLC001-G019	9/7/2016	Composite	G019	0-0.5	26.0	NA
BLC001-G020	9/7/2016	Composite	G020	0-0.5	28.0	NA
BLC001-G021	9/7/2016	Composite	G021	0-0.5	23.7	NA
BLC001-G022	9/9/2016	Composite	G022	0-0.5	4.90	NA
BLC001-G023	9/9/2016	Composite	G023	0-0.5	8.16	NA
BLC001-G024	9/9/2016	Composite	G024	0-0.5	31.0	NA
BLC001-G025	9/9/2016	Composite	G025	0-0.5	31.3	NA
BLC001-G026	9/8/2016	Composite	G026	0-0.5	0.0669	NA
BLC001-G027	9/8/2016	Composite	G027	0-0.5	0.105	NA
BLC001-G028	9/8/2016	Composite	G028	0-0.5	0.544	NA
BLC001-G029	9/9/2016	Composite	G029	0-0.5	18.9	NA
BLC001-G030	9/9/2016	Composite	G030	0-0.5	17.2	NA
BLC001-G031	9/8/2016	Composite	G031	0-0.5	0.199	NA
BLC001-G032	9/8/2016	Composite	G032	0-0.5	8.35	NA
BLC001-G033	9/8/2016	Composite	G033	0-0.5	16.0	NA
BLC001-G034	9/8/2016	Composite	G034	0-0.5	15.8	NA
BLC001-G035	9/8/2016	Composite	G035	0-0.5	23.0	NA
BLC001-G036	9/8/2016	Composite	G036	0-0.5	16.6	NA
BLC001-G037	9/8/2016	Composite	G037	0-0.5	0.202	NA

Table 1. Summary of Soil Analytical Results

Sample ID	Sample Collection Date	Sample Type	Grid ID or Feature	Sample Depth (Feet)	Total Mercury Concentration (mg/kg-dry)	Methylmercury Concentration (ng/g)
BLC001-G038	9/8/2016	Composite	G038	0-0.5	10.5	NA
BLC001-G039	9/8/2016	Composite	G039	0-0.5	43.4	NA
BLC001-G040	9/8/2016	Composite	G040	0-0.5	30.9	NA
BLC001-G041	9/8/2016	Composite	G041	0-0.5	1.15	NA
BLC001-G042	9/8/2016	Composite	G042	0-0.5	34.5	NA
BLC001-G043	9/8/2016	Composite	G043	0-0.5	23.3	NA
BLC001-G044	9/8/2016	Composite	G044	0-0.5	15.5	NA
BLC001-G045	9/8/2016	Composite	G045	0-0.5	**84.7**	NA
BLC001-G046	9/7/2016	Composite	G046	0-0.5	1.75	NA
BLC001-G047	9/8/2016	Composite	G047	0-0.5	16.5	NA
BLC001-G048	9/8/2016	Composite	G048	0-0.5	48.5	NA
BLC001-G049	9/8/2016	Composite	G049	0-0.5	42.2	NA
BLC001-G050	9/8/2016	Composite	G050	0-0.5	59.5	NA
BLC001-G051	9/7/2016	Composite	G051	0-0.5	3.52	NA
BLC001-G052	9/7/2016	Composite	G052	0-0.5	32.2	NA
BLC001-G053	9/7/2016	Composite	G053	0-0.5	**82.6**	NA
BLC001-G054	9/7/2016	Composite	G054	0-0.5	23.1	NA
BLC001-G055	9/7/2016	Composite	G055	0-0.5	69.9	NA
BLC001-BPEAST01	9/7/2016	Discrete	East Borrow Pit	0-0.5	0.124	NA
BLC001-BPEAST02	9/7/2016	Discrete	East Borrow Pit	0-0.5	0.00535	NA
BLC001-BPEAST03	9/7/2016	Discrete	East Borrow Pit	0-0.5	0.0461	NA
BLC001-BPEAST04	9/7/2016	Discrete	East Borrow Pit	0-0.5	0.102	NA
BLC001-BPEAST05	9/7/2016	Discrete	East Borrow Pit	0-0.5	0.00831	NA
BLC001-BPEAST06	9/7/2016	Discrete	East Borrow Pit	0-0.5	0.00842	NA
BLC001-BPEAST07	9/7/2016	Discrete	East Borrow Pit	0-0.5	0.00548	NA
BLC001-BPEAST08	9/7/2016	Discrete	East Borrow Pit	0-0.5	0.0507	NA
BLC001-BPWEST01	9/7/2016	Discrete	West Borrow Pit	0-0.5	<0.0203	NA
BLC001-BPWEST02	9/7/2016	Discrete	West Borrow Pit	0-0.5	<0.0202	NA
BLC001-BPWEST03	9/7/2016	Discrete	West Borrow Pit	0-0.5	<0.0202	NA
BLC001-BPWEST04	9/7/2016	Discrete	West Borrow Pit	0-0.5	0.00672	NA
BLC001-BPWEST05	9/7/2016	Discrete	West Borrow Pit	0-0.5	<0.0201	NA
BLC001-BPWEST06	9/7/2016	Discrete	West Borrow Pit	0-0.5	<0.0202	NA
BLC001-BPWEST07	9/7/2016	Discrete	West Borrow Pit	0-0.5	<0.0203	NA
BLC001-BPWEST08	9/7/2016	Discrete	West Borrow Pit	0-0.5	<0.0256	NA
BLC001-POND WEST	9/7/2016	Discrete	Adjacent to Pond	0-0.5	8.60	NA
BLC001-POND SOUTH	9/7/2016	Discrete	Adjacent to Pond	0-0.5	15.5	NA
BLC001-POND NORTH	9/7/2016	Discrete	Adjacent to Pond	0-0.5	5.65	NA

Table 1. Summary of Soil Analytical Results

Sample ID	Sample Collection Date	Sample Type	Grid ID or Feature	Sample Depth (Feet)	Total Mercury Concentration (mg/kg-dry)	Methylmercury Concentration (ng/g)
BLC001-G013	11/30/2016	Discrete	G013	0-0.5	13.1	NA
BLC001-G013	11/30/2016	Discrete	G013	0.5-1	1.61	NA
BLC001-G013	11/30/2016	Discrete	G013	1-1.5	0.44	NA
BLC001-G013	11/30/2016	Discrete	G013	1.5-2	0.39	NA
BLC001-G014	11/30/2016	Discrete	G014	0-0.5	5.63	NA
BLC001-G014	11/30/2016	Discrete	G014	0.5-1	**91.3**	1.32
BLC001-G014	11/30/2016	Discrete	G014	1-1.5	18.8	NA
BLC001-G014	11/30/2016	Discrete	G014	1.5-2	6.09	NA
BLC001-G017	11/30/2016	Discrete	G017	0-0.5	38.9	NA
BLC001-G017	11/30/2016	Discrete	G017	0.5-1	20.0	NA
BLC001-G017	11/30/2016	Discrete	G017	1-1.5	9.86	NA
BLC001-G017	11/30/2016	Discrete	G017	1.5-2	5.94	NA
BLC001-G039	11/30/2016	Discrete	G039	0-0.5	30.3	NA
BLC001-G039	11/30/2016	Discrete	G039	0.5-1	61.8	0.875
BLC001-G039	11/30/2016	Discrete	G039	1-1.5	78.5	0.930
BLC001-G039	11/30/2016	Discrete	G039	1.5-2	5.36	NA
BLC001-G045	11/29/2016	Discrete	G045	0-0.5	4.47	NA
BLC001-G045	11/29/2016	Discrete	G045	0.5-1	0.739	NA
BLC001-G045	11/29/2016	Discrete	G045	1-1.5	0.199	NA
BLC001-G045	11/29/2016	Discrete	G045	1.5-2	0.198	NA
BLC001-G048	11/29/2016	Discrete	G048	0-0.5	**116**	2.51
BLC001-G048	11/29/2016	Discrete	G048	0.5-1	11.6	NA
BLC001-G048	11/29/2016	Discrete	G048	1-1.5	0.385	NA
BLC001-G048	11/29/2016	Discrete	G048	1.5-2	0.397	NA
BLC001-G049	11/29/2016	Discrete	G049	0-0.5	7.63	NA
BLC001-G049	11/29/2016	Discrete	G049	0.5-1	3.96	NA
BLC001-G049	11/29/2016	Discrete	G049	1-1.5	0.337	NA
BLC001-G049	11/29/2016	Discrete	G049	1.5-2	0.369	NA
BLC001-G050	11/29/2016	Discrete	G050	0-0.5	53.4	NA
BLC001-G050	11/29/2016	Discrete	G050	0.5-1	7.08	NA
BLC001-G050	11/29/2016	Discrete	G050	1-1.5	1.66	NA
BLC001-G050	11/29/2016	Discrete	G050	1.5-2	22	NA
BLC001-G053	11/29/2016	Discrete	G053	0-0.5	**101**	5.52
BLC001-G053	11/29/2016	Discrete	G053	0.5-1	43.5	NA
BLC001-G053	11/29/2016	Discrete	G053	1-1.5	1.54	NA
BLC001-G053	11/29/2016	Discrete	G053	1.5-2	0.761	NA
BLC001-G055	11/29/2016	Discrete	G055	0-0.5	61.7	NA

Table 1. Summary of Soil Analytical Results

Sample ID	Sample Collection Date	Sample Type	Grid ID or Feature	Sample Depth (Feet)	Total Mercury Concentration (mg/kg-dry)	Methylmercury Concentration (ng/g)
BLC001-G055	11/29/2016	Discrete	G055	0.5-1	2.26	NA
BLC001-G055	11/29/2016	Discrete	G055	1-1.5	0.606	NA
BLC001-G055	11/29/2016	Discrete	G055	1.5-2	0.556	NA
				Action Level	**80**	**7,800**

Notes: The Action Level for total mercury is based on the Carson River Mercury Superfund Site remediation standard of 80 mg/kg for total mercury. The Action Level for methylmercury is based on the EPA Region 9 Residential screening level for methylmercury.

Values in **bold** exceed the action level.

mg/Kg milligrams per kilogram

ng/g nanograms per gram

NA Not Analyzed

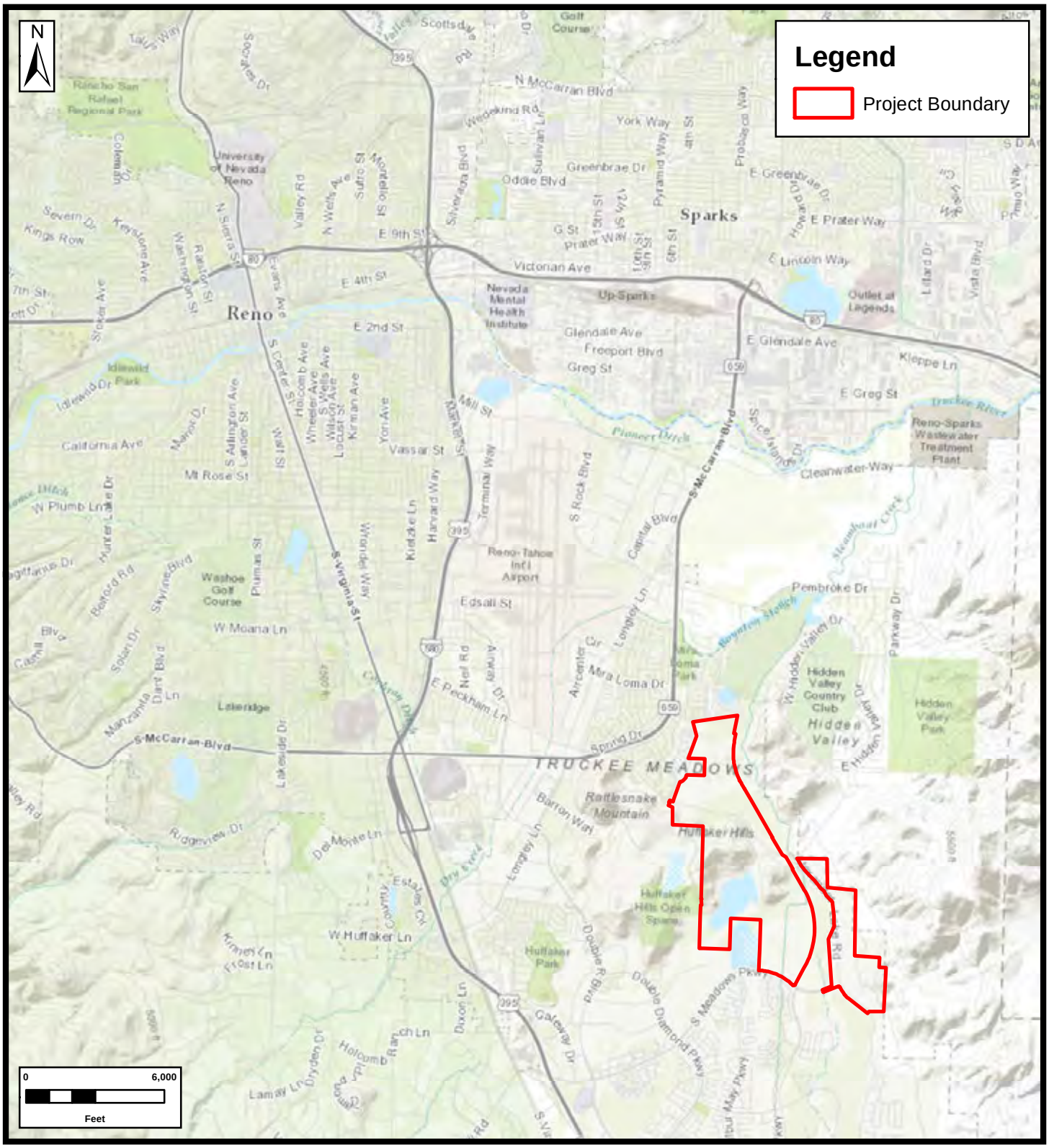

FIGURE 1

TITLE:

PROJECT LOCATION MAP SHOWING PROJECT BOUNDARY BUTLER RANCH AND BELLA VISTA RANCH RENO, NEVADA

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FILE: **Figure 1 - Project Location Map**

COORDINATE SYSTEM: **NAD 1983 UTM Zone 11N**

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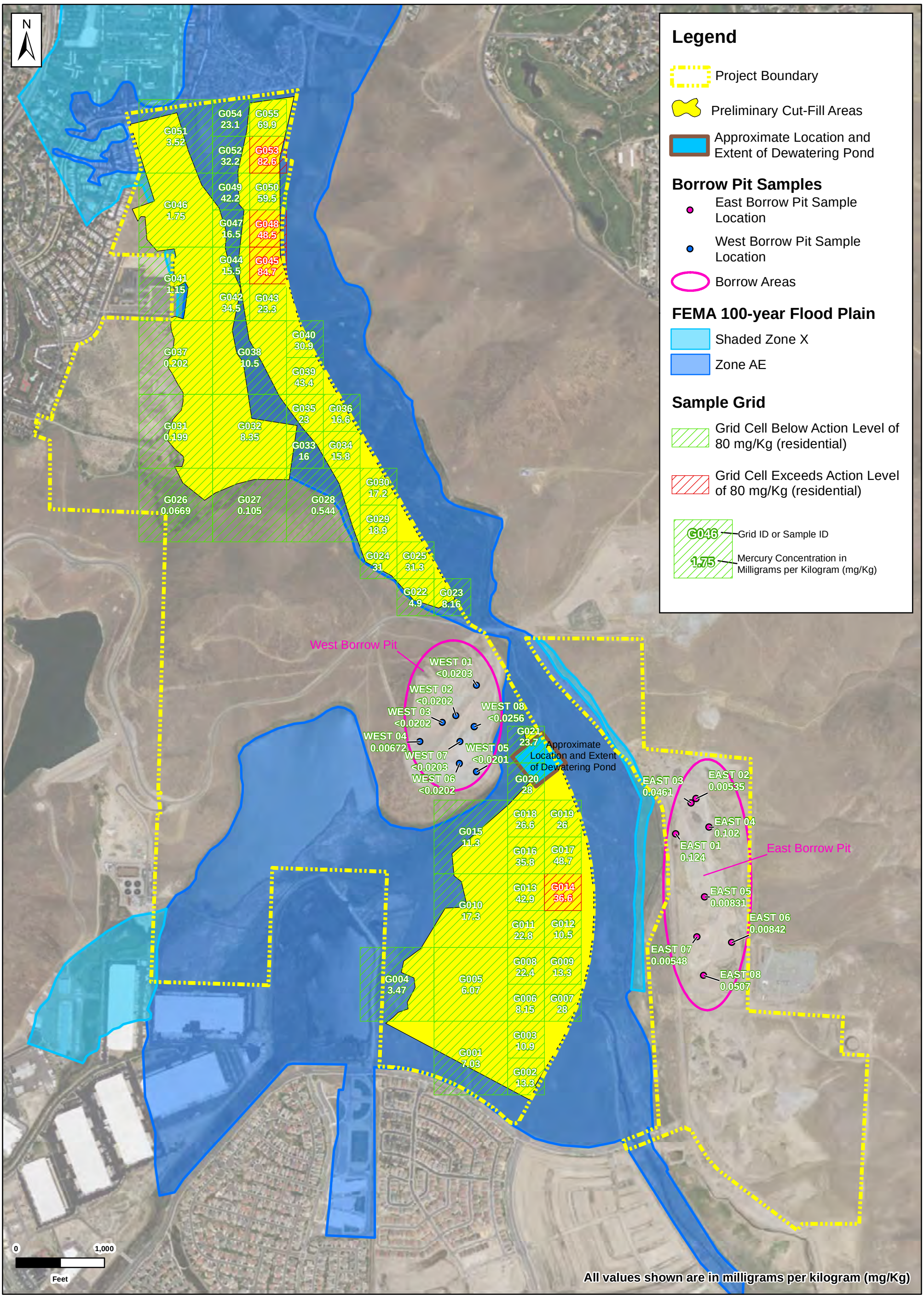

FIGURE 2

TITLE:

SITE MAP
-SHOWING-
ANALYTICAL RESULTS OF
COMPOSITE SAMPLES AND
BORROW PIT SAMPLES
BUTLER RANCH AND BELLA VISTA RANCH
RENO, NEVADA

JOB NO.: **BLC001**

DATE: **9/27/2017**

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FILE: **Figure 2 - Grid Samples**

COORDINATE SYSTEM: **NAD 1983 UTM Zone 11N**

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	DRAWN	BP	APPROVED	TJ	

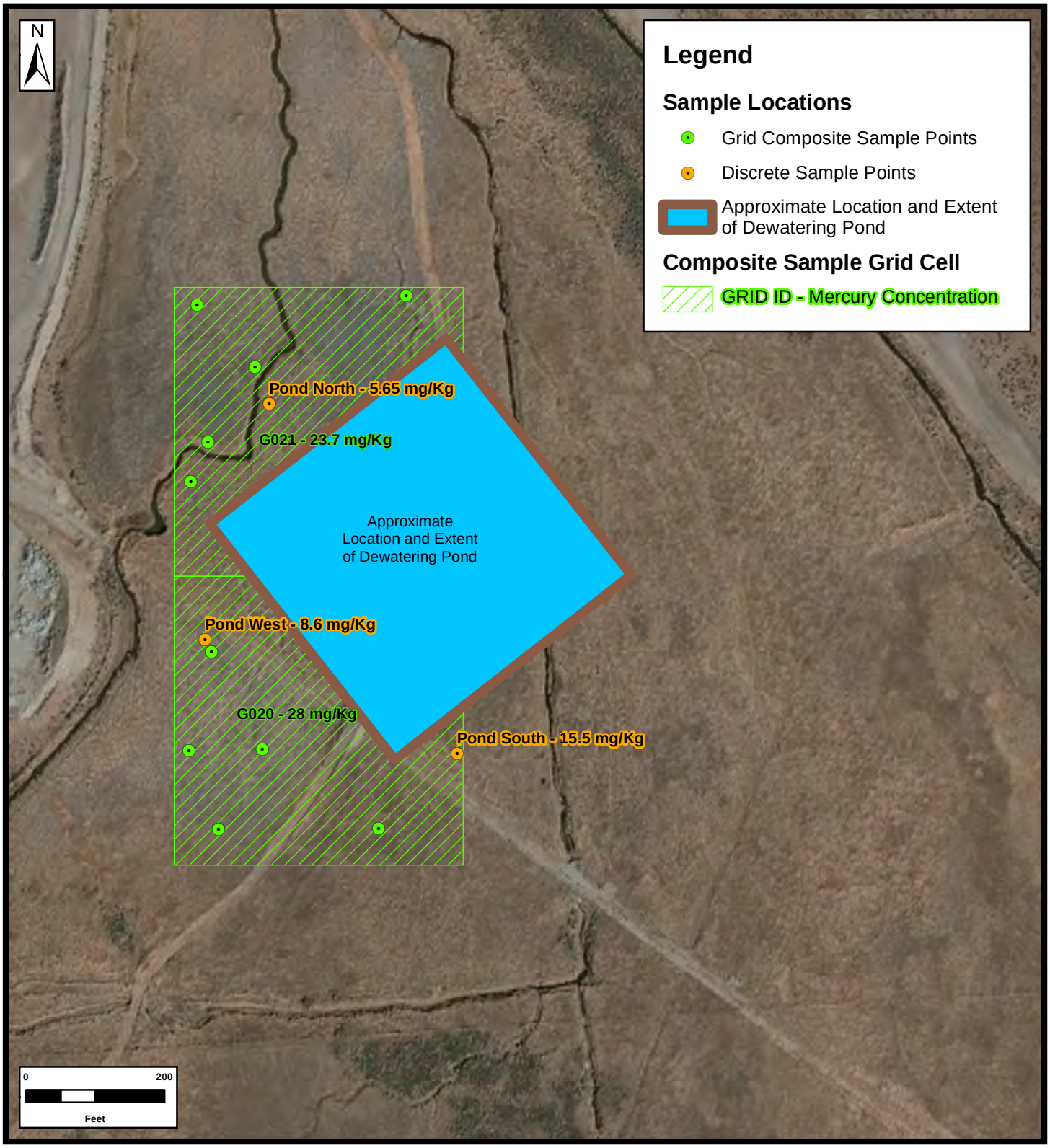

FIGURE 3

TITLE:

SITE MAP
SHOWING
MERCURY ANALYTICAL RESULTS
BUTLER RANCH AND
BELLA VISTA RANCH
RENO, NEVADA

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FILE: **Figure 3 - Pond Samples**

COORDINATE SYSTEM: **NAD 1983 UTM Zone 11N**

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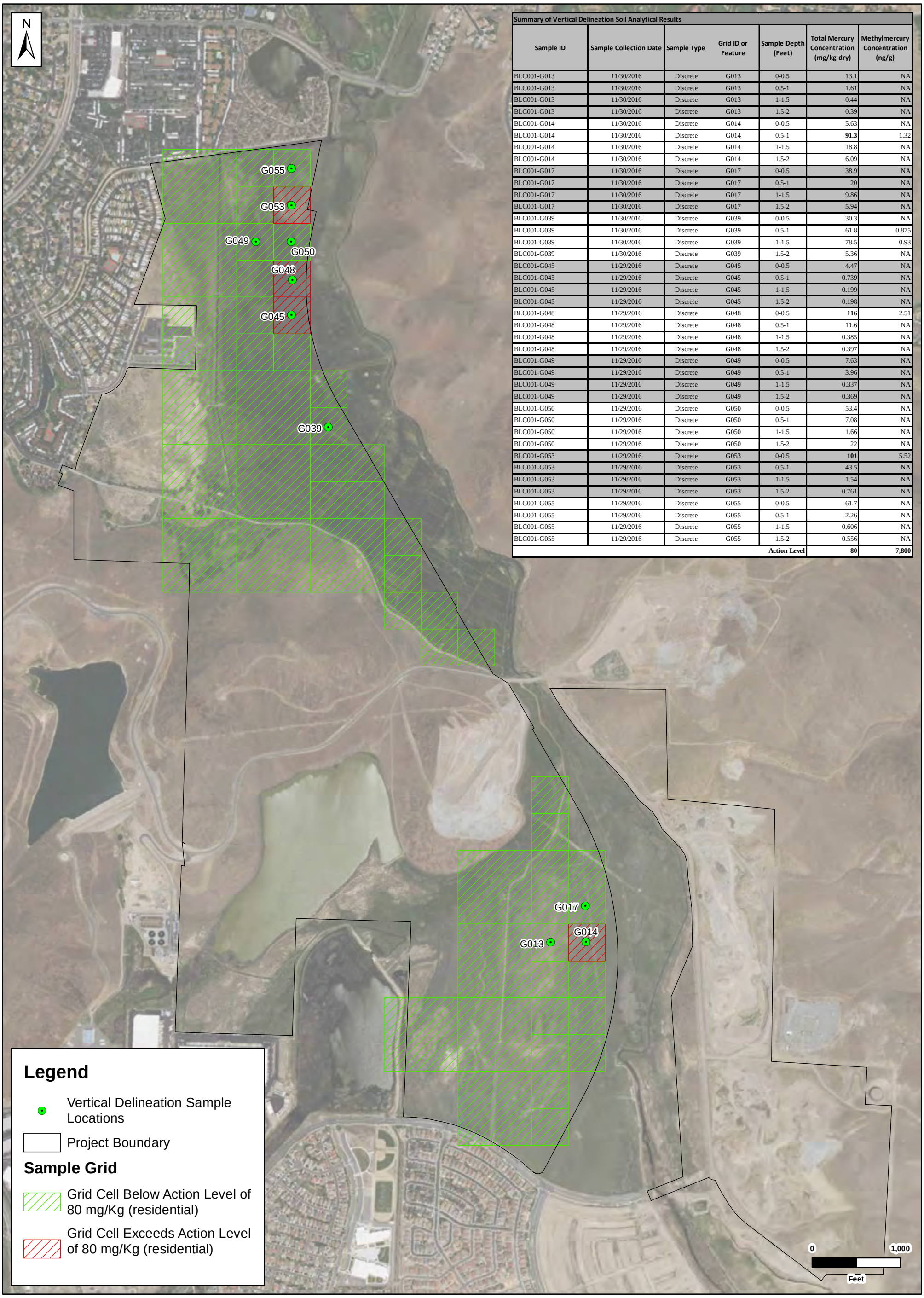
			DRAWN	BP	APPROVED	BP	



Summary of Vertical Delineation Soil Analytical Results

Sample ID	Sample Collection Date	Sample Type	Grid ID or Feature	Sample Depth (Feet)	Total Mercury Concentration (mg/kg-dry)	Methylmercury Concentration (ng/g)
BLC001-G013	11/30/2016	Discrete	G013	0-0.5	13.1	NA
BLC001-G013	11/30/2016	Discrete	G013	0.5-1	1.61	NA
BLC001-G013	11/30/2016	Discrete	G013	1-1.5	0.44	NA
BLC001-G013	11/30/2016	Discrete	G013	1.5-2	0.39	NA
BLC001-G014	11/30/2016	Discrete	G014	0-0.5	5.63	NA
BLC001-G014	11/30/2016	Discrete	G014	0.5-1	**91.3**	1.32
BLC001-G014	11/30/2016	Discrete	G014	1-1.5	18.8	NA
BLC001-G014	11/30/2016	Discrete	G014	1.5-2	6.09	NA
BLC001-G017	11/30/2016	Discrete	G017	0-0.5	38.9	NA
BLC001-G017	11/30/2016	Discrete	G017	0.5-1	20	NA
BLC001-G017	11/30/2016	Discrete	G017	1-1.5	9.86	NA
BLC001-G017	11/30/2016	Discrete	G017	1.5-2	5.94	NA
BLC001-G039	11/30/2016	Discrete	G039	0-0.5	30.3	NA
BLC001-G039	11/30/2016	Discrete	G039	0.5-1	61.8	0.875
BLC001-G039	11/30/2016	Discrete	G039	1-1.5	78.5	0.93
BLC001-G039	11/30/2016	Discrete	G039	1.5-2	5.36	NA
BLC001-G045	11/29/2016	Discrete	G045	0-0.5	4.47	NA
BLC001-G045	11/29/2016	Discrete	G045	0.5-1	0.739	NA
BLC001-G045	11/29/2016	Discrete	G045	1-1.5	0.199	NA
BLC001-G045	11/29/2016	Discrete	G045	1.5-2	0.198	NA
BLC001-G048	11/29/2016	Discrete	G048	0-0.5	**116**	2.51
BLC001-G048	11/29/2016	Discrete	G048	0.5-1	11.6	NA
BLC001-G048	11/29/2016	Discrete	G048	1-1.5	0.385	NA
BLC001-G048	11/29/2016	Discrete	G048	1.5-2	0.397	NA
BLC001-G049	11/29/2016	Discrete	G049	0-0.5	7.63	NA
BLC001-G049	11/29/2016	Discrete	G049	0.5-1	3.96	NA
BLC001-G049	11/29/2016	Discrete	G049	1-1.5	0.337	NA
BLC001-G049	11/29/2016	Discrete	G049	1.5-2	0.369	NA
BLC001-G050	11/29/2016	Discrete	G050	0-0.5	53.4	NA
BLC001-G050	11/29/2016	Discrete	G050	0.5-1	7.08	NA
BLC001-G050	11/29/2016	Discrete	G050	1-1.5	1.66	NA
BLC001-G050	11/29/2016	Discrete	G050	1.5-2	22	NA
BLC001-G053	11/29/2016	Discrete	G053	0-0.5	**101**	5.52
BLC001-G053	11/29/2016	Discrete	G053	0.5-1	43.5	NA
BLC001-G053	11/29/2016	Discrete	G053	1-1.5	1.54	NA
BLC001-G053	11/29/2016	Discrete	G053	1.5-2	0.761	NA
BLC001-G055	11/29/2016	Discrete	G055	0-0.5	61.7	NA
BLC001-G055	11/29/2016	Discrete	G055	0.5-1	2.26	NA
BLC001-G055	11/29/2016	Discrete	G055	1-1.5	0.606	NA
BLC001-G055	11/29/2016	Discrete	G055	1.5-2	0.556	NA
				Action Level	**80**	**7,800**

FIGURE 4

TITLE:

SITE MAP
-SHOWING-
ANALYTICAL RESULTS OF SOIL SAMPLES COLLECTED FOR VERTICAL DELINEATION BUTLER RANCH AND BELLA VISTA RANCH RENO, NEVADA

JOB NO.: **BLC001**

DATE: **9/27/2017**

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FILE: **Figure 4 - Vertical Samples**

COORDINATE SYSTEM: **NAD 1983 UTM Zone 11N**

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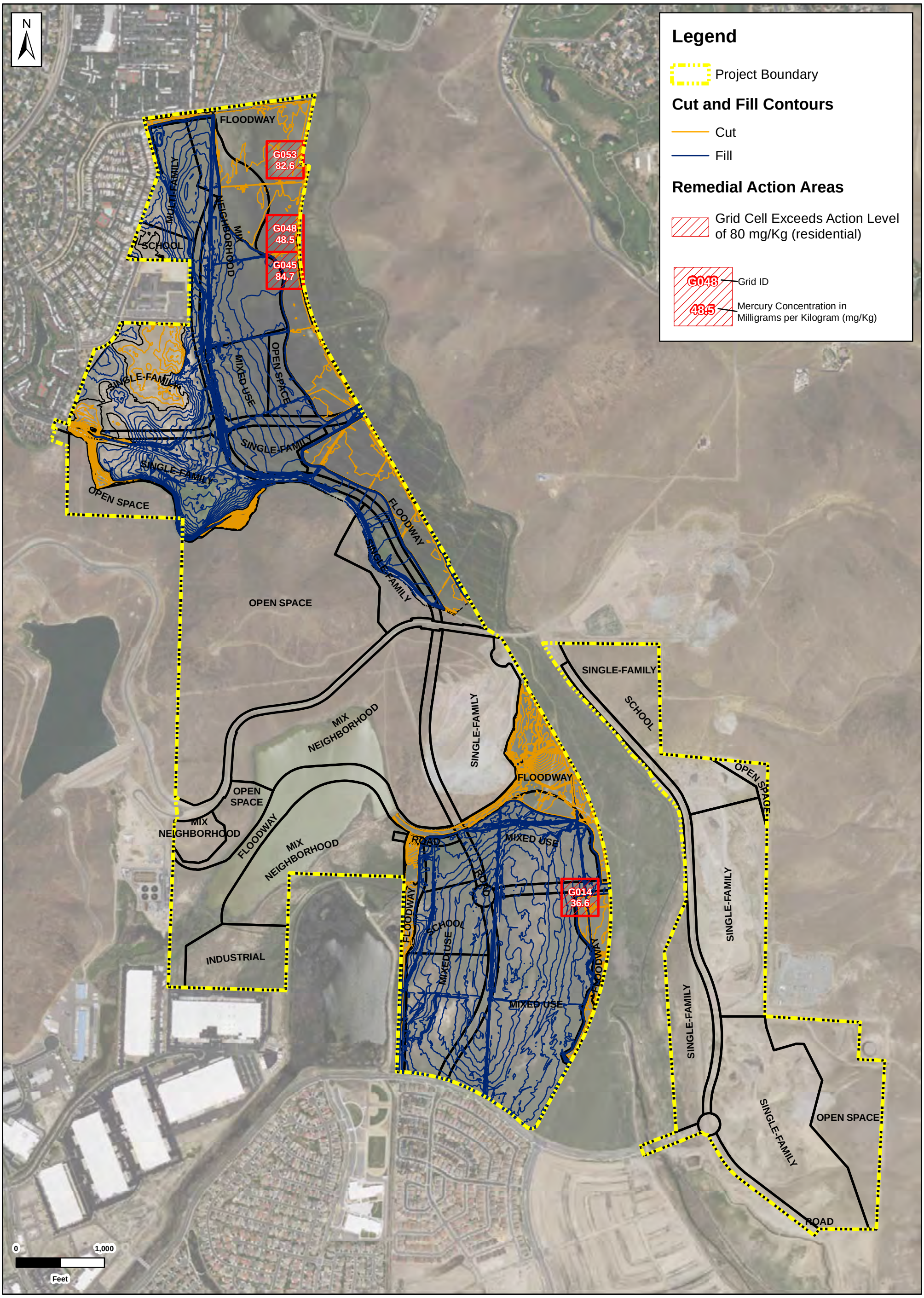

FIGURE 5

TITLE:

SITE MAP
-SHOWING-
SITE GRADING PLAN
BUTLER RANCH AND BELLA VISTA RANCH
RENO, NEVADA

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FILE: Figure 5 - Grading Plan

COORDINATE SYSTEM: NAD 1983 UTM Zone 11N

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			DRAWN	BP	APPROVED	TJ	

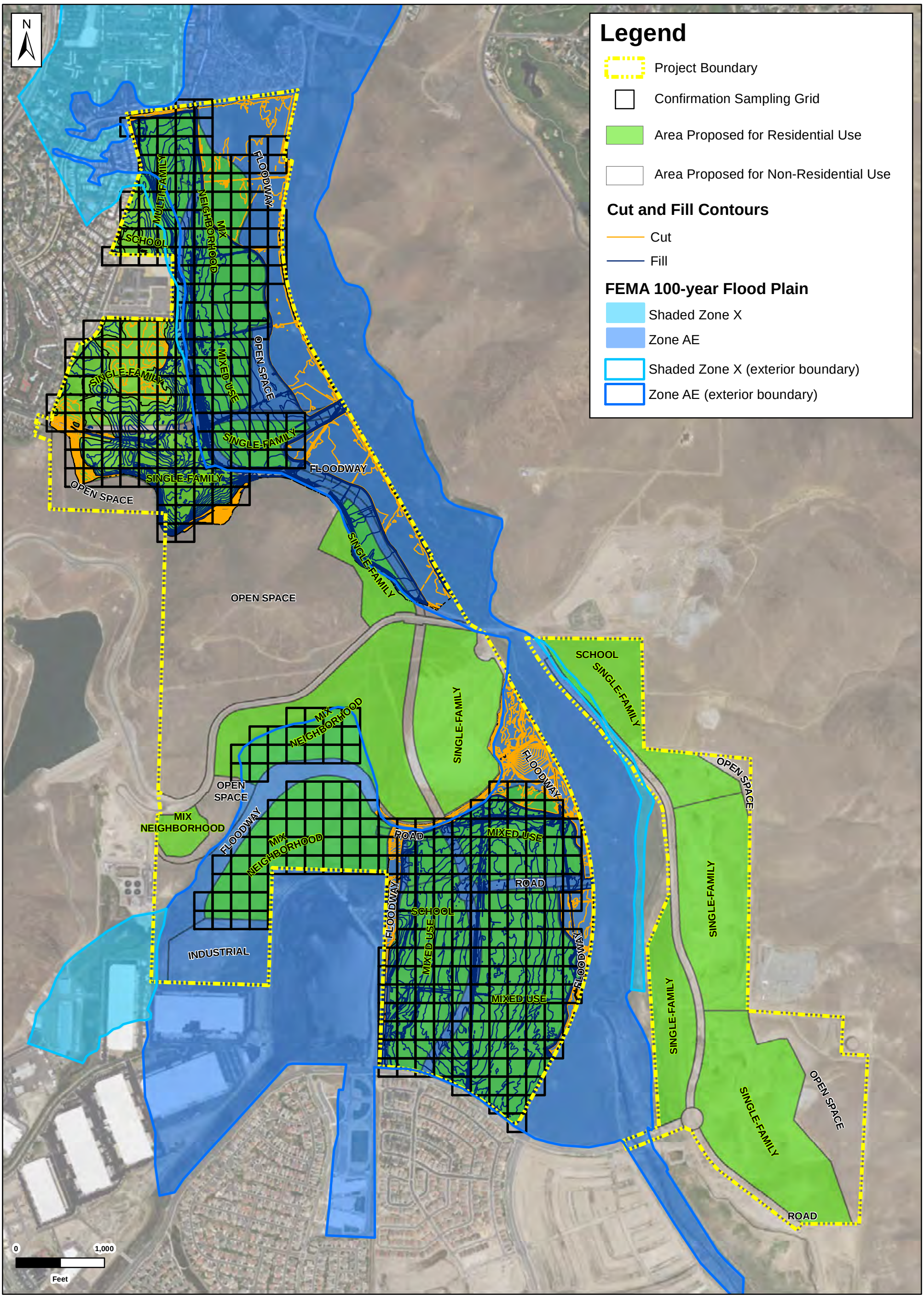

FIGURE 6

TITLE:

SITE MAP
-SHOWING-
CONFIRMATION SAMPLING GRID
AND CONCEPTUAL SITE PLAN LAYOUT
BUTLER RANCH AND BELLA VISTA RANCH
RENO, NEVADA

JOB NO.: **BLC001**

DATE: **9/27/2017**

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FILE: **Figure 6 - Confirmation Sampling**

COORDINATE SYSTEM: **NAD 1983 UTM Zone 11N**

REF.					REVISION:
	DESIGNED	BP	CHECKED	TJ	-
	DRAWN	BP	APPROVED	TJ	

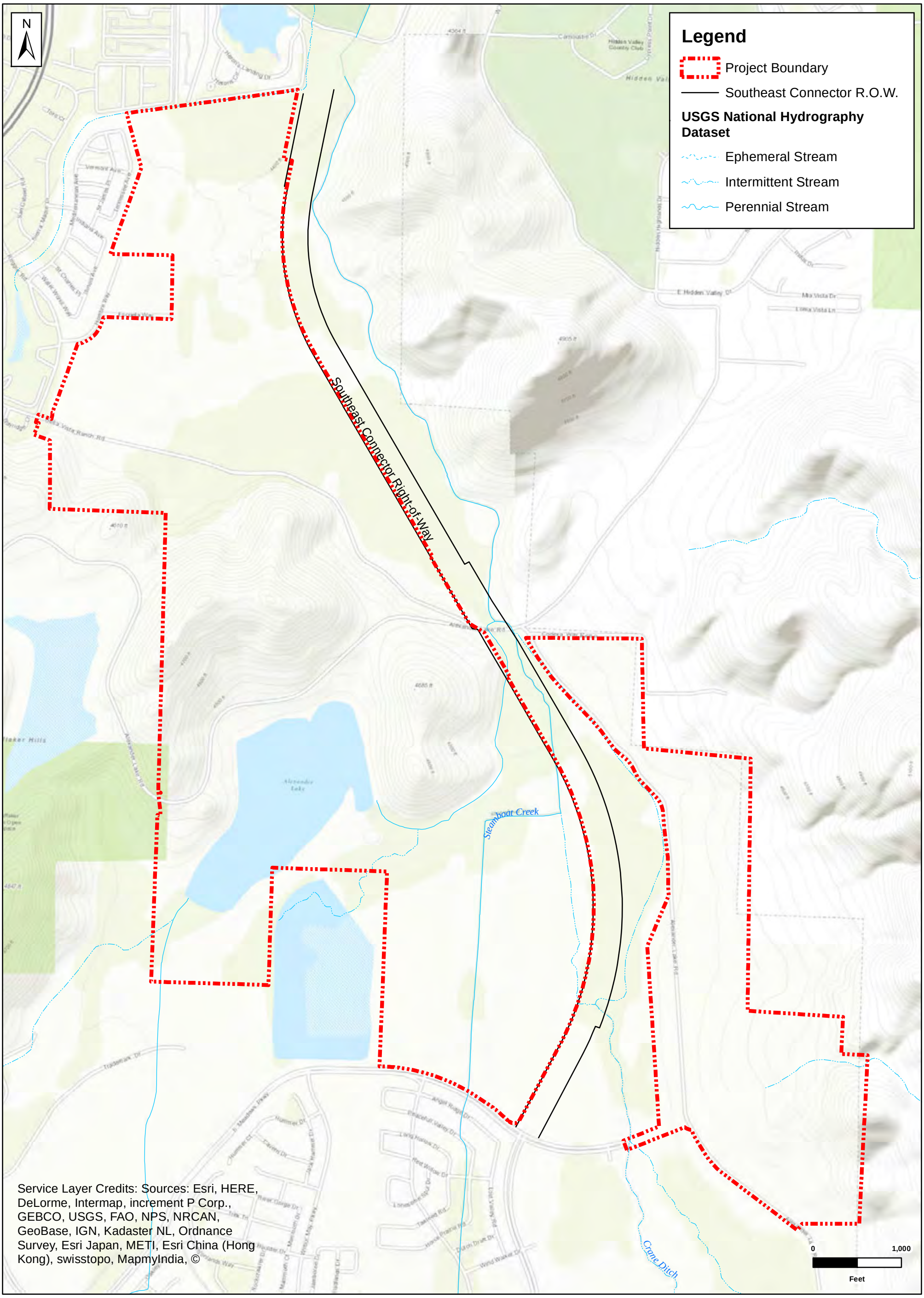

FIGURE 7

TITLE:

SITE MAP
-SHOWING-
ROADS, RIGHT-OF-WAYS,
DRAINAGES AND STRUCTURES
BUTLER RANCH AND BELLA VISTA RANCH
RENO, NEVADA

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FILE: **Figure 7 - Drainages and Roads**

COORDINATE SYSTEM: **NAD 1983 UTM Zone 11N**

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BLC001	9/27/2017		DESIGNED	BP	CHECKED	TJ	-
			DRAWN	BP	APPROVED	TJ	

APPENDIX A

Chain-of-Custody Records and Analytical Reports for Soil Samples

ESC LAB SCIENCES
YOUR LAB OF CHOICE

ANALYTICAL REPORT

June 02, 2017

myESC
REAL TIME DATA ACCESS

McGinley & Assoc. - Reno, NV

Sample Delivery Group:	L858984
Samples Received:	09/12/2016
Project Number:	BLC001
Description:	Bella Vista Ranch
Report To:	Ben Peterson 815 Maestro Drive Reno, NV 89511

Entire Report Reviewed By:

Shane Gambill
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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BLC001-G006 L858984-07 23

BLC001-G003 L858984-08 24

BLC001-G002 L858984-09 25

BLC001-G007 L858984-10 26

BLC001-G009 L858984-11 27

BLC001-G012 L858984-12 28

BLC001-G011 L858984-13 29

BLC001-BPEAST01 L858984-14 30

BLC001-BPEAST02 L858984-15 31

BLC001-BPEAST03 L858984-16 32

BLC001-BPEAST04 L858984-17 33

BLC001-BPEAST05 L858984-18 34

BLC001-BPEAST06 L858984-19 35

BLC001-BPEAST07 L858984-20 36

BLC001-BPEAST08 L858984-21 37

BLC001-G016 L858984-22 38

BLC001-G013 L858984-23 39

BLC001-G014 L858984-24 40

BLC001-G017 L858984-25 41

BLC001-G019 L858984-26 42

BLC001-G018 L858984-27 43

BLC001-G020 L858984-28 44

BLC001-G021 L858984-29 45

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BLC001-POND SOUTH L858984-31 47

BLC001-POND NORTH L858984-32 48

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BLC001-G041 L858984-47 63
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BLC001-G034 L858984-68 84
BLC001-G022 L858984-69 85
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Gl: Glossary of Terms 104
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BLC001-G001 L858984-01 Solid

Collected by: Brian Knight | Collected date/time: 09/06/16 12:00 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907562	1	09/14/16 14:25	09/14/16 14:32	MEL
Mercury by Method 7471A	WG907464	20	09/14/16 14:27	09/15/16 19:45	TRB

BLC001-G005 L858984-02 Solid

Collected by: Brian Knight | Collected date/time: 09/06/16 12:27 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907562	1	09/14/16 14:25	09/14/16 14:32	MEL
Mercury by Method 7471A	WG907464	20	09/14/16 14:27	09/15/16 19:47	TRB

BLC001-G004 L858984-03 Solid

Collected by: Brian Knight | Collected date/time: 09/06/16 12:55 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907562	1	09/14/16 14:25	09/14/16 14:32	MEL
Mercury by Method 7471A	WG907464	20	09/14/16 14:27	09/15/16 19:50	TRB

BLC001-G010 L858984-04 Solid

Collected by: Brian Knight | Collected date/time: 09/06/16 14:19 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907562	1	09/14/16 14:25	09/14/16 14:32	MEL
Mercury by Method 7471A	WG907464	50	09/14/16 14:27	09/15/16 17:50	TRB

BLC001-G015 L858984-05 Solid

Collected by: Brian Knight | Collected date/time: 09/06/16 14:45 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907562	1	09/14/16 14:25	09/14/16 14:32	MEL
Mercury by Method 7471A	WG907464	50	09/14/16 14:27	09/15/16 17:52	TRB

BLC001-G008 L858984-06 Solid

Collected by: Brian Knight | Collected date/time: 09/06/16 15:14 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907562	1	09/14/16 14:25	09/14/16 14:32	MEL
Mercury by Method 7471A	WG907464	50	09/14/16 14:27	09/15/16 18:02	TRB

BLC001-G006 L858984-07 Solid

Collected by: Brian Knight | Collected date/time: 09/06/16 15:28 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907562	1	09/14/16 14:25	09/14/16 14:32	MEL
Mercury by Method 7471A	WG907464	50	09/14/16 14:27	09/15/16 18:05	TRB

BLC001-G003 L858984-08 Solid

Collected by: Brian Knight | Collected date/time: 09/06/16 15:41 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907562	1	09/14/16 14:25	09/14/16 14:32	MEL
Mercury by Method 7471A	WG907464	50	09/14/16 14:27	09/15/16 18:07	TRB

BLC001-G002 L858984-09 Solid

Collected by: Brian Knight | Collected date/time: 09/06/16 15:55 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907562	1	09/14/16 14:25	09/14/16 14:32	MEL
Mercury by Method 7471A	WG907464	50	09/14/16 14:27	09/15/16 18:10	TRB

BLC001-G007 L858984-10 Solid

Collected by: Brian Knight | Collected date/time: 09/06/16 16:14 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907562	1	09/14/16 14:25	09/14/16 14:32	MEL
Mercury by Method 7471A	WG907464	50	09/14/16 14:27	09/15/16 18:13	TRB

BLC001-G009 L858984-11 Solid

Collected by: Brian Knight | Collected date/time: 09/06/16 16:27 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907563	1	09/14/16 14:45	09/14/16 14:52	MEL
Mercury by Method 7471A	WG907464	50	09/14/16 14:27	09/15/16 18:15	TRB

BLC001-G012 L858984-12 Solid

Collected by: Brian Knight | Collected date/time: 09/06/16 16:42 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907563	1	09/14/16 14:45	09/14/16 14:52	MEL
Mercury by Method 7471A	WG907464	50	09/14/16 14:27	09/15/16 18:18	TRB

BLC001-G011 L858984-13 Solid

Collected by: Brian Knight | Collected date/time: 09/06/16 16:55 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907563	1	09/14/16 14:45	09/14/16 14:52	MEL
Mercury by Method 7471A	WG907464	50	09/14/16 14:27	09/15/16 18:20	TRB

BLC001-BPEAST01 L858984-14 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 07:02 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907563	1	09/14/16 14:45	09/14/16 14:52	MEL
Mercury by Method 7471A	WG907464	1	09/14/16 14:27	09/15/16 19:52	TRB

BLC001-BPEAST02 L858984-15 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 07:09 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907563	1	09/14/16 14:45	09/14/16 14:52	MEL
Mercury by Method 7471A	WG907464	1	09/14/16 14:27	09/15/16 19:55	TRB

BLC001-BPEAST03 L858984-16 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 07:11 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907563	1	09/14/16 14:45	09/14/16 14:52	MEL
Mercury by Method 7471A	WG907464	1	09/14/16 14:27	09/15/16 17:34	TRB

BLC001-BPEAST04 L858984-17 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 07:16 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907563	1	09/14/16 14:45	09/14/16 14:52	MEL
Mercury by Method 7471A	WG907464	1	09/14/16 14:27	09/15/16 19:57	TRB

BLC001-BPEAST05 L858984-18 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 07:21 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907563	1	09/14/16 14:45	09/14/16 14:52	MEL
Mercury by Method 7471A	WG907464	1	09/14/16 14:27	09/15/16 20:00	TRB

BLC001-BPEAST06 L858984-19 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 07:26 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907563	1	09/14/16 14:45	09/14/16 14:52	MEL
Mercury by Method 7471A	WG907464	1	09/14/16 14:27	09/15/16 20:08	TRB

BLC001-BPEAST07 L858984-20 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 07:31 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907563	1	09/14/16 14:45	09/14/16 14:52	MEL
Mercury by Method 7471A	WG907464	1	09/14/16 14:27	09/15/16 20:10	TRB

BLC001-BPEAST08 L858984-21 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 07:35 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907565	1	09/14/16 14:54	09/14/16 15:02	MEL
Mercury by Method 7471A	WG907465	1	09/14/16 14:53	09/15/16 14:22	TRB

BLC001-G016 L858984-22 Solid

Collected by: Brian Knight
Collected date/time: 09/07/16 08:14
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907565	1	09/14/16 14:54	09/14/16 15:02	MEL
Mercury by Method 7471A	WG907465	50	09/14/16 14:53	09/15/16 15:10	TRB

BLC001-G013 L858984-23 Solid

Collected by: Brian Knight
Collected date/time: 09/07/16 08:29
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907565	1	09/14/16 14:54	09/14/16 15:02	MEL
Mercury by Method 7471A	WG907465	50	09/14/16 14:53	09/15/16 15:13	TRB

BLC001-G014 L858984-24 Solid

Collected by: Brian Knight
Collected date/time: 09/07/16 08:42
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907565	1	09/14/16 14:54	09/14/16 15:02	MEL
Mercury by Method 7471A	WG907465	50	09/14/16 14:53	09/15/16 15:15	TRB

BLC001-G017 L858984-25 Solid

Collected by: Brian Knight
Collected date/time: 09/07/16 08:54
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907565	1	09/14/16 14:54	09/14/16 15:02	MEL
Mercury by Method 7471A	WG907465	100	09/14/16 14:53	09/15/16 18:43	TRB

BLC001-G019 L858984-26 Solid

Collected by: Brian Knight
Collected date/time: 09/07/16 09:06
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907565	1	09/14/16 14:54	09/14/16 15:02	MEL
Mercury by Method 7471A	WG907465	50	09/14/16 14:53	09/15/16 15:25	TRB

BLC001-G018 L858984-27 Solid

Collected by: Brian Knight
Collected date/time: 09/07/16 09:25
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907565	1	09/14/16 14:54	09/14/16 15:02	MEL
Mercury by Method 7471A	WG907465	50	09/14/16 14:53	09/15/16 15:28	TRB

BLC001-G020 L858984-28 Solid

Collected by: Brian Knight
Collected date/time: 09/07/16 09:50
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907565	1	09/14/16 14:54	09/14/16 15:02	MEL
Mercury by Method 7471A	WG907465	50	09/14/16 14:53	09/15/16 15:30	TRB

BLC001-G021 L858984-29 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 10:23 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907565	1	09/14/16 14:54	09/14/16 15:02	MEL
Mercury by Method 7471A	WG907465	50	09/14/16 14:53	09/15/16 15:33	TRB

BLC001-POND WEST L858984-30 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 10:39 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907565	1	09/14/16 14:54	09/14/16 15:02	MEL
Mercury by Method 7471A	WG907465	50	09/14/16 14:53	09/15/16 15:35	TRB

BLC001-POND SOUTH L858984-31 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 10:43 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907566	1	09/15/16 12:19	09/15/16 12:27	MEL
Mercury by Method 7471A	WG907465	50	09/14/16 14:53	09/15/16 15:38	TRB

BLC001-POND NORTH L858984-32 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 10:55 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907566	1	09/15/16 12:19	09/15/16 12:27	MEL
Mercury by Method 7471A	WG908580	10	09/16/16 15:30	09/17/16 08:36	NJB

BLC001-BPWEST 01 L858984-33 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 11:14 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907566	1	09/15/16 12:19	09/15/16 12:27	MEL
Mercury by Method 7471A	WG907465	1	09/14/16 14:53	09/15/16 18:46	TRB

BLC001-BPWEST 02 L858984-34 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 11:20 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907566	1	09/15/16 12:19	09/15/16 12:27	MEL
Mercury by Method 7471A	WG907465	1	09/14/16 14:53	09/15/16 18:48	TRB

BLC001-BPWEST 03 L858984-35 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 11:23 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907566	1	09/15/16 12:19	09/15/16 12:27	MEL
Mercury by Method 7471A	WG907465	1	09/14/16 14:53	09/15/16 18:51	TRB

BLC001-BPWEST 04 L858984-36 Solid

Collected by: Brian Knight
Collected date/time: 09/07/16 11:29
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907566	1	09/15/16 12:19	09/15/16 12:27	MEL
Mercury by Method 7471A	WG907465	1	09/14/16 14:53	09/15/16 19:42	TRB

BLC001-BPWEST 05 L858984-37 Solid

Collected by: Brian Knight
Collected date/time: 09/07/16 11:40
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907566	1	09/15/16 12:19	09/15/16 12:27	MEL
Mercury by Method 7471A	WG907465	1	09/14/16 14:53	09/15/16 18:56	TRB

BLC001-BPWEST 06 L858984-38 Solid

Collected by: Brian Knight
Collected date/time: 09/07/16 11:44
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907566	1	09/15/16 12:19	09/15/16 12:27	MEL
Mercury by Method 7471A	WG907465	1	09/14/16 14:53	09/15/16 19:04	TRB

BLC001-BPWEST 07 L858984-39 Solid

Collected by: Brian Knight
Collected date/time: 09/07/16 11:48
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907566	1	09/15/16 12:19	09/15/16 12:27	MEL
Mercury by Method 7471A	WG907465	1	09/14/16 14:53	09/15/16 19:06	TRB

BLC001-BPWEST 08 L858984-40 Solid

Collected by: Brian Knight
Collected date/time: 09/07/16 11:53
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907566	1	09/15/16 12:19	09/15/16 12:27	MEL
Mercury by Method 7471A	WG907465	1	09/14/16 14:53	09/15/16 19:09	TRB

BLC001-G046 L858984-41 Solid

Collected by: Brian Knight
Collected date/time: 09/07/16 13:34
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907567	1	09/14/16 15:03	09/14/16 15:14	MEL
Mercury by Method 7471A	WG907466	5	09/14/16 16:09	09/15/16 19:11	TRB

BLC001-G051 L858984-42 Solid

Collected by: Brian Knight
Collected date/time: 09/07/16 14:15
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907567	1	09/14/16 15:03	09/14/16 15:14	MEL
Mercury by Method 7471A	WG907466	50	09/14/16 16:09	09/15/16 16:21	TRB

BLC001-G054 L858984-43 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 14:30 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907567	1	09/14/16 15:03	09/14/16 15:14	MEL
Mercury by Method 7471A	WG907466	50	09/14/16 16:09	09/15/16 16:24	TRB

BLC001-G055 L858984-44 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 14:49 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907567	1	09/14/16 15:03	09/14/16 15:14	MEL
Mercury by Method 7471A	WG907466	50	09/14/16 16:09	09/15/16 16:27	TRB

BLC001-G053 L858984-45 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 15:06 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907567	1	09/14/16 15:03	09/14/16 15:14	MEL
Mercury by Method 7471A	WG907466	100	09/14/16 16:09	09/15/16 19:19	TRB

BLC001-G052 L858984-46 Solid

Collected by: Brian Knight | Collected date/time: 09/07/16 15:29 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907567	1	09/14/16 15:03	09/14/16 15:14	MEL
Mercury by Method 7471A	WG907466	50	09/14/16 16:09	09/15/16 16:32	TRB

BLC001-G041 L858984-47 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 06:59 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907567	1	09/14/16 15:03	09/14/16 15:14	MEL
Mercury by Method 7471A	WG907466	2	09/14/16 16:09	09/15/16 20:17	TRB

BLC001-G037 L858984-48 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 07:23 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907567	1	09/14/16 15:03	09/14/16 15:14	MEL
Mercury by Method 7471A	WG907466	1	09/14/16 16:09	09/15/16 19:24	TRB

BLC001-G031 L858984-49 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 07:53 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907567	1	09/14/16 15:03	09/14/16 15:14	MEL
Mercury by Method 7471A	WG907466	1	09/14/16 16:09	09/15/16 19:27	TRB

BLC001-G026 L858984-50 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 08:40 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907567	1	09/14/16 15:03	09/14/16 15:14	MEL
Mercury by Method 7471A	WG907466	1	09/14/16 16:09	09/15/16 19:37	TRB

BLC001-G047 L858984-51 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 09:25 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907568	1	09/14/16 15:29	09/14/16 15:37	MEL
Mercury by Method 7471A	WG907466	50	09/14/16 16:09	09/15/16 16:50	TRB

BLC001-G049 L858984-52 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 09:39 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907568	1	09/14/16 15:29	09/14/16 15:37	MEL
Mercury by Method 7471A	WG907466	50	09/14/16 16:09	09/15/16 16:58	TRB

BLC001-G050 L858984-53 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 09:57 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907568	1	09/14/16 15:29	09/14/16 15:37	MEL
Mercury by Method 7471A	WG907466	50	09/14/16 16:09	09/15/16 17:00	TRB

BLC001-G048 L858984-54 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 10:14 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907568	1	09/14/16 15:29	09/14/16 15:37	MEL
Mercury by Method 7471A	WG907466	50	09/14/16 16:09	09/15/16 17:03	TRB

BLC001-G045 L858984-55 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 10:28 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907568	1	09/14/16 15:29	09/14/16 15:37	MEL
Mercury by Method 7471A	WG907466	100	09/14/16 16:09	09/15/16 19:40	TRB

BLC001-G044 L858984-56 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 10:44 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907568	1	09/14/16 15:29	09/14/16 15:37	MEL
Mercury by Method 7471A	WG907466	50	09/14/16 16:09	09/15/16 17:08	TRB

BLC001-G038 L858984-57 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 11:41 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907568	1	09/14/16 15:29	09/14/16 15:37	MEL
Mercury by Method 7471A	WG907466	50	09/14/16 16:09	09/15/16 17:10	TRB

BLC001-G042 L858984-58 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 12:03 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907568	1	09/14/16 15:29	09/14/16 15:37	MEL
Mercury by Method 7471A	WG907466	50	09/14/16 16:09	09/15/16 17:13	TRB

BLC001-G043 L858984-59 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 12:19 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907568	1	09/14/16 15:29	09/14/16 15:37	MEL
Mercury by Method 7471A	WG907466	50	09/14/16 16:09	09/15/16 17:15	TRB

BLC001-G040 L858984-60 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 12:40 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907568	1	09/14/16 15:29	09/14/16 15:37	MEL
Mercury by Method 7471A	WG907466	50	09/14/16 16:09	09/15/16 17:18	TRB

BLC001-G039 L858984-61 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 13:01 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907569	1	09/14/16 15:16	09/14/16 15:25	MEL
Mercury by Method 7471A	WG907467	50	09/14/16 16:23	09/16/16 11:29	RDS

BLC001-G032 L858984-62 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 13:28 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907569	1	09/14/16 15:16	09/14/16 15:25	MEL
Mercury by Method 7471A	WG907467	10	09/14/16 16:23	09/16/16 12:48	TRB

BLC001-G027 L858984-63 Solid

Collected by: Brian Knight | Collected date/time: 09/08/16 14:22 | Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907569	1	09/14/16 15:16	09/14/16 15:25	MEL
Mercury by Method 7471A	WG907467	1	09/14/16 16:23	09/16/16 12:51	TRB

BLC001-G028 L858984-64 Solid

Collected by: Brian Knight
Collected date/time: 09/08/16 14:45
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907569	1	09/14/16 15:16	09/14/16 15:25	MEL
Mercury by Method 7471A	WG907467	1	09/14/16 16:23	09/16/16 12:53	TRB

BLC001-G033 L858984-65 Solid

Collected by: Brian Knight
Collected date/time: 09/08/16 15:06
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907569	1	09/14/16 15:16	09/14/16 15:25	MEL
Mercury by Method 7471A	WG907467	50	09/14/16 16:23	09/16/16 11:37	RDS

BLC001-G035 L858984-66 Solid

Collected by: Brian Knight
Collected date/time: 09/08/16 15:19
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907569	1	09/14/16 15:16	09/14/16 15:25	MEL
Mercury by Method 7471A	WG907467	50	09/14/16 16:23	09/16/16 11:39	RDS

BLC001-G036 L858984-67 Solid

Collected by: Brian Knight
Collected date/time: 09/08/16 15:35
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907569	1	09/14/16 15:16	09/14/16 15:25	MEL
Mercury by Method 7471A	WG907467	50	09/14/16 16:23	09/16/16 11:42	RDS

BLC001-G034 L858984-68 Solid

Collected by: Brian Knight
Collected date/time: 09/08/16 15:48
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907569	1	09/14/16 15:16	09/14/16 15:25	MEL
Mercury by Method 7471A	WG907467	50	09/14/16 16:23	09/16/16 11:44	RDS

BLC001-G022 L858984-69 Solid

Collected by: Brian Knight
Collected date/time: 09/09/16 07:05
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907569	1	09/14/16 15:16	09/14/16 15:25	MEL
Mercury by Method 7471A	WG907467	10	09/14/16 16:23	09/16/16 13:20	TRB

BLC001-G023 L858984-70 Solid

Collected by: Brian Knight
Collected date/time: 09/09/16 07:20
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907569	1	09/14/16 15:16	09/14/16 15:25	MEL
Mercury by Method 7471A	WG907467	50	09/14/16 16:23	09/16/16 11:54	RDS

BLC001-G025 L858984-71 Solid

Collected by: Brian Knight
Collected date/time: 09/09/16 07:36
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907624	1	09/14/16 14:13	09/14/16 14:23	MEL
Mercury by Method 7471A	WG907467	50	09/14/16 16:23	09/16/16 11:57	RDS

BLC001-G024 L858984-72 Solid

Collected by: Brian Knight
Collected date/time: 09/09/16 07:54
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907624	1	09/14/16 14:13	09/14/16 14:23	MEL
Mercury by Method 7471A	WG907467	50	09/14/16 16:23	09/16/16 11:59	RDS

BLC001-G029 L858984-73 Solid

Collected by: Brian Knight
Collected date/time: 09/09/16 08:09
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907624	1	09/14/16 14:13	09/14/16 14:23	MEL
Mercury by Method 7471A	WG907467	50	09/14/16 16:23	09/16/16 12:02	RDS

BLC001-G030 L858984-74 Solid

Collected by: Brian Knight
Collected date/time: 09/09/16 08:21
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG907624	1	09/14/16 14:13	09/14/16 14:23	MEL
Mercury by Method 7471A	WG907467	50	09/14/16 16:23	09/16/16 12:05	RDS

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Shane Gambill
Technical Service Representative

Project Narrative

Report revised to reflect samples for sub set of original report per client request - CSG 09/28/16

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.9		1	09/14/2016 14:32	WG907562

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	7.03	J3	0.0572	0.409	20	09/15/2016 19:45	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.7		1	09/14/2016 14:32	WG907562

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	6.07	J3	0.0567	0.405	20	09/15/2016 19:47	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.4		1	09/14/2016 14:32	WG907562

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	3.47	J3	0.0600	0.428	20	09/15/2016 19:50	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.3		1	09/14/2016 14:32	WG907562

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	17.3	J3	0.144	1.03	50	09/15/2016 17:50	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.1		1	09/14/2016 14:32	WG907562

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	11.3	J3	0.150	1.07	50	09/15/2016 17:52	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.1		1	09/14/2016 14:32	WG907562

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	22.4	J3	0.143	1.02	50	09/15/2016 18:02	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.9		1	09/14/2016 14:32	WG907562

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	8.15	J3	0.142	1.01	50	09/15/2016 18:05	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.9		1	09/14/2016 14:32	WG907562

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	10.9	J3	0.143	1.02	50	09/15/2016 18:07	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.8		1	09/14/2016 14:32	WG907562

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	13.3	J3	0.145	1.03	50	09/15/2016 18:10	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.6		1	09/14/2016 14:32	WG907562

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	28.0	J3	0.143	1.02	50	09/15/2016 18:13	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.2		1	09/14/2016 14:52	WG907563

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	13.3	J3	0.143	1.02	50	09/15/2016 18:15	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.6		1	09/14/2016 14:52	WG907563

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	10.5	J3	0.142	1.01	50	09/15/2016 18:18	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.0		1	09/14/2016 14:52	WG907563

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	22.8	J3	0.143	1.02	50	09/15/2016 18:20	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.3		1	09/14/2016 14:52	WG907563

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.124	J3	0.00285	0.0203	1	09/15/2016 19:52	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.3		1	09/14/2016 14:52	WG907563

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.00585	J J3	0.00307	0.0219	1	09/15/2016 19:55	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.4		1	09/14/2016 14:52	WG907563

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.0461	J3	0.00340	0.0243	1	09/15/2016 17:34	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.1		1	09/14/2016 14:52	WG907563

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.102	J3	0.00288	0.0206	1	09/15/2016 19:57	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.5		1	09/14/2016 14:52	WG907563

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.00831	J J3	0.00284	0.0203	1	09/15/2016 20:00	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.6		1	09/14/2016 14:52	WG907563

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.00842	J J3	0.00284	0.0203	1	09/15/2016 20:08	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.7		1	09/14/2016 14:52	WG907563

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.00548	J J3	0.00331	0.0236	1	09/15/2016 20:10	WG907464

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.5		1	09/14/2016 15:02	WG907565

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.0507		0.00284	0.0203	1	09/15/2016 14:22	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.6		1	09/14/2016 15:02	WG907565

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	35.8		0.143	1.02	50	09/15/2016 15:10	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.2		1	09/14/2016 15:02	WG907565

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	42.9		0.143	1.02	50	09/15/2016 15:13	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.0		1	09/14/2016 15:02	WG907565

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	36.6		0.147	1.05	50	09/15/2016 15:15	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.9		1	09/14/2016 15:02	WG907565

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	48.7		0.286	2.04	100	09/15/2016 18:43	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.8		1	09/14/2016 15:02	WG907565

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	26.0		0.145	1.03	50	09/15/2016 15:25	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.2		1	09/14/2016 15:02	WG907565

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	26.6		0.146	1.04	50	09/15/2016 15:28	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.8		1	09/14/2016 15:02	WG907565

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	28.0		0.149	1.07	50	09/15/2016 15:30	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.9		1	09/14/2016 15:02	WG907565

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	23.7		0.151	1.08	50	09/15/2016 15:33	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.4		1	09/14/2016 15:02	WG907565

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	8.60		0.145	1.04	50	09/15/2016 15:35	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.8		1	09/15/2016 12:27	WG907566

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	15.5		0.151	1.08	50	09/15/2016 15:38	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.4		1	09/15/2016 12:27	WG907566

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	5.65		0.0310	0.221	10	09/17/2016 08:36	WG908580

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.5		1	09/15/2016 12:27	WG907566

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	U		0.00284	0.0203	1	09/15/2016 18:46	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	99.1		1	09/15/2016 12:27	WG907566

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	U		0.00283	0.0202	1	09/15/2016 18:48	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.9		1	09/15/2016 12:27	WG907566

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	U		0.00283	0.0202	1	09/15/2016 18:51	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	99.0		1	09/15/2016 12:27	WG907566

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.00672	J	0.00283	0.0202	1	09/15/2016 19:42	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	99.3		1	09/15/2016 12:27	WG907566

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	U		0.00282	0.0201	1	09/15/2016 18:56	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	99.1		1	09/15/2016 12:27	WG907566

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	U		0.00282	0.0202	1	09/15/2016 19:04	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	98.6		1	09/15/2016 12:27	WG907566

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	U		0.00284	0.0203	1	09/15/2016 19:06	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.1		1	09/15/2016 12:27	WG907566

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	U		0.00359	0.0256	1	09/15/2016 19:09	WG907465

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	95.2		1	09/14/2016 15:14	WG907567

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	1.75	V	0.0147	0.105	5	09/15/2016 19:11	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	78.6		1	09/14/2016 15:14	WG907567

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	3.52		0.178	1.27	50	09/15/2016 16:21	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	53.5		1	09/14/2016 15:14	WG907567

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	23.1		0.262	1.87	50	09/15/2016 16:24	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	61.3		1	09/14/2016 15:14	WG907567

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	69.9		0.228	1.63	50	09/15/2016 16:27	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	62.4		1	09/14/2016 15:14	WG907567

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	82.6		0.448	3.20	100	09/15/2016 19:19	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	62.5		1	09/14/2016 15:14	WG907567

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	32.2		0.224	1.60	50	09/15/2016 16:32	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.9		1	09/14/2016 15:14	WG907567

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	1.15		0.00578	0.0413	2	09/15/2016 20:17	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.9		1	09/14/2016 15:14	WG907567

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.202		0.00286	0.0204	1	09/15/2016 19:24	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.2		1	09/14/2016 15:14	WG907567

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.199		0.00291	0.0208	1	09/15/2016 19:27	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.7		1	09/14/2016 15:14	WG907567

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.0669		0.00347	0.0248	1	09/15/2016 19:37	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	46.6		1	09/14/2016 15:37	WG907568

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	16.5		0.300	2.14	50	09/15/2016 16:50	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	63.6		1	09/14/2016 15:37	WG907568

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	42.2		0.220	1.57	50	09/15/2016 16:58	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	64.6		1	09/14/2016 15:37	WG907568

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	59.5		0.217	1.55	50	09/15/2016 17:00	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	58.8		1	09/14/2016 15:37	WG907568

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	48.5		0.238	1.70	50	09/15/2016 17:03	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	54.1		1	09/14/2016 15:37	WG907568

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	84.7		0.517	3.69	100	09/15/2016 19:40	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	34.4		1	09/14/2016 15:37	WG907568

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	15.5		0.407	2.91	50	09/15/2016 17:08	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	34.2		1	09/14/2016 15:37	WG907568

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	10.5		0.410	2.93	50	09/15/2016 17:10	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	44.9		1	09/14/2016 15:37	WG907568

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	34.5		0.312	2.23	50	09/15/2016 17:13	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	34.7		1	09/14/2016 15:37	WG907568

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	23.3		0.404	2.88	50	09/15/2016 17:15	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	55.0		1	09/14/2016 15:37	WG907568

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	30.9		0.255	1.82	50	09/15/2016 17:18	WG907466

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	59.8	J3	1	09/14/2016 15:25	WG907569

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	43.4		0.234	1.67	50	09/16/2016 11:29	WG907467

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	59.9		1	09/14/2016 15:25	WG907569

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	8.35	V	0.0468	0.334	10	09/16/2016 12:48	WG907467

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.4		1	09/14/2016 15:25	WG907569

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.105		0.00297	0.0212	1	09/16/2016 12:51	WG907467

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	70.7		1	09/14/2016 15:25	WG907569

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.544		0.00396	0.0283	1	09/16/2016 12:53	WG907467

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	70.5		1	09/14/2016 15:25	WG907569

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	16.0		0.199	1.42	50	09/16/2016 11:37	WG907467

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	54.7		1	09/14/2016 15:25	WG907569

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	23.0		0.256	1.83	50	09/16/2016 11:39	WG907467

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	62.8		1	09/14/2016 15:25	WG907569

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	16.6		0.223	1.59	50	09/16/2016 11:42	WG907467

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	47.4		1	09/14/2016 15:25	WG907569

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	15.8		0.296	2.11	50	09/16/2016 11:44	WG907467

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	67.0		1	09/14/2016 15:25	WG907569

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	4.90		0.0418	0.298	10	09/16/2016 13:20	WG907467

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.6		1	09/14/2016 15:25	WG907569

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	8.16		0.150	1.07	50	09/16/2016 11:54	WG907467

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	71.6		1	09/14/2016 14:23	WG907624

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	31.3		0.195	1.40	50	09/16/2016 11:57	WG907467

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	50.2		1	09/14/2016 14:23	WG907624

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	31.0		0.279	1.99	50	09/16/2016 11:59	WG907467

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	56.0		1	09/14/2016 14:23	WG907624

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	18.9		0.250	1.79	50	09/16/2016 12:02	WG907467

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	45.9		1	09/14/2016 14:23	WG907624

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	17.2		0.305	2.18	50	09/16/2016 12:05	WG907467

Method Blank (MB)

(MB) R3163616-1 09/14/16 14:32

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000900			

L858984-03 Original Sample (OS) • Duplicate (DUP)

(OS) L858984-03 09/14/16 14:32 • (DUP) R3163616-3 09/14/16 14:32

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	93.4	93.8	1	0.500		5

Laboratory Control Sample (LCS)

(LCS) R3163616-2 09/14/16 14:32

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3163617-1 09/14/16 14:52

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000800			

L858984-15 Original Sample (OS) • Duplicate (DUP)

(OS) L858984-15 09/14/16 14:52 • (DUP) R3163617-3 09/14/16 14:52

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.3	92.7	1	1.51		5

Laboratory Control Sample (LCS)

(LCS) R3163617-2 09/14/16 14:52

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3163618-1 09/14/16 15:02

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000500			

L858984-29 Original Sample (OS) • Duplicate (DUP)

(OS) L858984-29 09/14/16 15:02 • (DUP) R3163618-3 09/14/16 15:02

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	92.9	93.4	1	0.526		5

Laboratory Control Sample (LCS)

(LCS) R3163618-2 09/14/16 15:02

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3163967-1 09/15/16 12:27

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00110			

L858984-40 Original Sample (OS) • Duplicate (DUP)

(OS) L858984-40 09/15/16 12:27 • (DUP) R3163967-3 09/15/16 12:27

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	78.1	78.6	1	0.671		5

Laboratory Control Sample (LCS)

(LCS) R3163967-2 09/15/16 12:27

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3163620-1 09/14/16 15:14

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000300			

L858984-44 Original Sample (OS) • Duplicate (DUP)

(OS) L858984-44 09/14/16 15:14 • (DUP) R3163620-3 09/14/16 15:14

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	61.3	64.2	1	4.63		5

Laboratory Control Sample (LCS)

(LCS) R3163620-2 09/14/16 15:14

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3163622-1 09/14/16 15:37

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000900			

L858984-52 Original Sample (OS) • Duplicate (DUP)

(OS) L858984-52 09/14/16 15:37 • (DUP) R3163622-3 09/14/16 15:37

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	63.6	62.4	1	1.87		5

Laboratory Control Sample (LCS)

(LCS) R3163622-2 09/14/16 15:37

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3163621-1 09/14/16 15:25

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000600			

L858984-61 Original Sample (OS) • Duplicate (DUP)

(OS) L858984-61 09/14/16 15:25 • (DUP) R3163621-3 09/14/16 15:25

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	59.8	56.4	1	5.90	J3	5

Laboratory Control Sample (LCS)

(LCS) R3163621-2 09/14/16 15:25

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3163615-1 09/14/16 14:23

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L858837-01 Original Sample (OS) • Duplicate (DUP)

(OS) L858837-01 09/14/16 14:23 • (DUP) R3163615-3 09/14/16 14:23

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	62.9	62.4	1	0.793		5

Laboratory Control Sample (LCS)

(LCS) R3163615-2 09/14/16 14:23

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3163941-1 09/15/16 17:21

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0028	0.0200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3163941-2 09/15/16 17:29 • (LCSD) R3163941-3 09/15/16 17:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.249	0.312	83	104	80-120		J3	23	20

L858984-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L858984-16 09/15/16 17:34 • (MS) R3163941-4 09/15/16 17:37 • (MSD) R3163941-5 09/15/16 17:39

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.364	0.0461	0.382	0.343	92	82	1	75-125			11	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3163939-1 09/15/16 14:15

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0028	0.0200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3163939-2 09/15/16 14:17 • (LCSD) R3163939-3 09/15/16 14:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.264	0.246	88	82	80-120			7	20

L858984-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L858984-21 09/15/16 14:22 • (MS) R3163939-4 09/15/16 14:25 • (MSD) R3163939-5 09/15/16 14:27

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.305	0.0507	0.281	0.307	76	84	1	75-125			9	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Method Blank (MB)

(MB) R3163940-1 09/15/16 16:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0028	0.0200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3163940-2 09/15/16 16:09 • (LCSD) R3163940-3 09/15/16 16:11

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.275	0.259	92	86	80-120			6	20

L858984-41 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L858984-41 09/15/16 16:14 • (MS) R3163940-4 09/15/16 16:16 • (MSD) R3163940-5 09/15/16 16:19

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.315	1.49	1.9	1.44	133	0	1	75-125	E V	E J3 V	28	20

Method Blank (MB)

(MB) R3164156-1 09/16/16 11:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0028	0.0200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3164156-2 09/16/16 11:05 • (LCSD) R3164156-3 09/16/16 11:08

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.270	0.276	90	92	80-120			2	20

L858984-62 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L858984-62 09/16/16 11:14 • (MS) R3164156-4 09/16/16 11:24 • (MSD) R3164156-5 09/16/16 11:26

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.501	5.90	8.4	6.97	499	215	1	75-125	E V	E V	19	20

Method Blank (MB)

(MB) R3164242-1 09/17/16 05:07

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0028	0.0200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3164242-2 09/17/16 05:09 • (LCSD) R3164242-3 09/17/16 05:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.276	0.255	92	85	80-120			8	20

L859824-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L859824-05 09/17/16 05:14 • (MS) R3164242-4 09/17/16 05:17 • (MSD) R3164242-5 09/17/16 05:20

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.0226	0.287	0.259	88	79	1	75-125			10	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL (dry)	Reported Detection Limit.
RDL	Reported Detection Limit.
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Rec.	Recovery.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**

***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660
Alaska	UST-080
Arizona	AZ0612
Arkansas	88-0469
California	01157CA
Colorado	TN00003
Conneticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1]	90010
Kentucky [2]	16
Louisiana	AI30792
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico	TN00003
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [2]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	221
South Carolina	84004
South Dakota	n/a
Tennessee [1 4]	2006
Texas	T 104704245-07-TX
Texas [5]	LAB0152
Utah	6157585858
Vermont	VT2006
Virginia	109
Washington	C1915
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

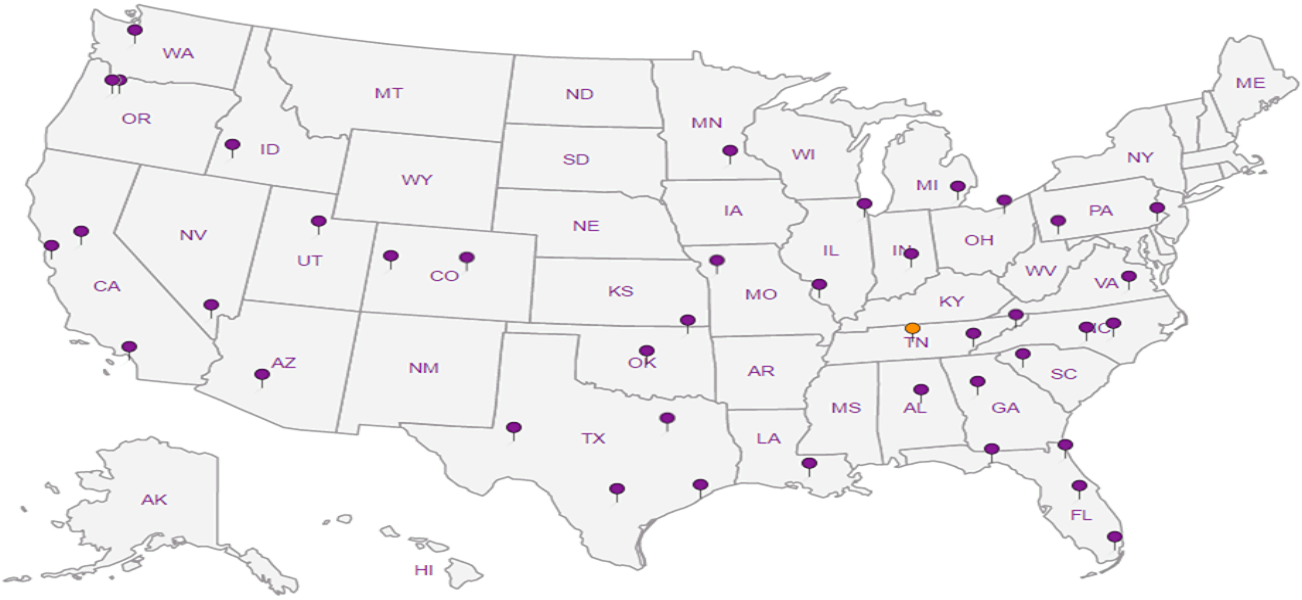
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003
AIHA-LAP,LLC	100789
DOD	1461.01
USDA	S-67674

[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



McGinley & Assoc. - Reno, NV

815 Maestro Drive
Reno, NV 89511

Billing Information:
Tony Dimpel
815 Maestro Dr.
Reno, NV 89511

Report to: Ben Peterson

Email To: bpeterson@mcgin.com

Project Description: Bella Vista Ranch

City/State Collected: Reno, NV

Phone: 775-829-2245
Fax:

Client Project # BLC001

Lab Project # MCGINRNV-HG

Collected by (print): Brian Kuhns

Site/Facility ID #

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
____ Same Day 200%
____ Next Day 100%
____ Two Day 50%
____ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L8 58994
T: A127
Acctnum: MCGINRNV
Template: T115371
Prelogin: P566073
TSR: 728 - Shane Gambill
PB:
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG 7470 4ozClr-NoPres									Rem./Contaminant	Sample # (lab only)
BLC001-G001	Comp	SS		9/6/16	1200	1	X										-01
BLC001-G005		SS			1227	1	X										-02
BLC001-G004		SS			1255	1	X										-03
BLC001-G010		SS			1419	1	X										-04
BLC001-G015		SS			1445	1	X										-05
BLC001-G008		SS			1514	1	X										-06
BLC001-G006		SS			1528	1	X										-07
BLC001-G003		SS			1541	1	X										-08
BLC001-G002		SS			1555	1	X										-09
BLC001-G007		SS			1614	1	X										-10

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
[signature]	9/9/16	1131	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			[signature]

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.1 °C Bottles Received: 25 4oz

Date: 9-12-16 Time: 900

Hold #

Condition: (lab use only)

COC Seal Intact: ✓ Y ___N ___NA

pH Checked:

NCF: X

McGinley & Assoc. - Reno, NV

815 Maestro Drive
Reno, NV 89511

Billing Information:
Tony Dimpel
815 Maestro Dr.
Reno, NV 89511

Report to: Ben Peterson

Email To: bpeterson@mcgin.com

Project Description: Bella Vista Ranch

City/State Collected: Reno, NV

Phone: 775-829-2245
Fax:

Client Project #: BLC001

Lab Project #: MCGINRNV-HG

Collected by (print): Brian Kuhns

Site/Facility ID #:

P.O. #:

Collected by (signature): [signature]

Immediately Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
____ Same Day 200%
____ Next Day 100%
____ Two Day 50%
____ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L858984

Table #

Acctnum: MCGINRNV
Template: T115371
Prelogin: P566073
TSR: 728 - Shane Gambill
PB:

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG 7470 4ozClr-NoPres									Rem./Contaminant	Sample # (lab only)
BLC001-G009	Comp	SS		9/6/16	1627	1	X										-11
BLC001-G012	|	SS		9/6/16	1642	1	X										-12
BLC001-G011	|	SS		9/6/16	1655	1	X										-13
BLC001-BPEast01	|	SS		9/7/16	0702	1	X										-14
BLC001-BPEast02	|	SS		|	0709	1	X										-15
BLC001-BPEast03	|	SS		|	0711	1	X										-16
BLC001-BPEast04	|	SS		|	0716	1	X										-17
BLC001-BPEast05	|	SS		|	0721	1	X										-18
BLC001-BPEast06	|	SS		|	0726	1	X										-19
BLC001-BPEast07	|	SS		|	0731	1	X										-20

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
[signature]	9/9/16	1131	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			[signature]

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.1 °C Bottles Received: 254n

Date: 9-12-16 Time: 9w

Condition: (lab use only) ok

COC Seal Intact: ✓ ___Y ___N ___NA

pH Checked:

NCF: X

McGinley & Assoc. - Reno, NV

815 Maestro Drive
Reno, NV 89511

Billing Information:
Tony Dimpel
815 Maestro Dr.
Reno, NV 89511

Report to: Ben Peterson

Email To: bpeterson@mcgin.com

Project Description: Bella Vista Ranch

City/State Collected: Reno, NV

Phone: 775-829-2245
Fax:

Client Project #: BLC001

Lab Project #: MCGINRNV-HG

Collected by (print): Brian Kuhns

Site/Facility ID #:

P.O. #:

Collected by (signature): [signature]

Immediately Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
____ Same Day 200%
____ Next Day 100%
____ Two Day 50%
____ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L858984

Table #

Acctnum: MCGINRNV
Template: T115371
Prelogin: P566073
TSR: 728 - Shane Gambill
PB:

Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG 7470 4ozClr-NoPres	Rem./Contaminant	Sample # (lab only)
BLC001-BPEast08	comp	SS		9/7/16	0735	1	X		-21
BLC001-G016	|	SS		|	0814	1	X		-22
BLC001-G013	|	SS		|	0829	1	X		-23
BLC001-G014	|	SS		|	0842	1	X		-24
BLC001-G017	|	SS		|	0854	1	X		-25
BLC001-G019	|	SS		|	0906	1	X		-26
BLC001-G018	|	SS		|	0925	1	X		-27
BLC001-G020	|	SS		|	0950	1	X		-28
BLC001-G021	|	SS		|	1023	1	X		-29
BLC001-Pond West	|	SS		|	1039	1	X		-30

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
[signature]	9/9/16	1131	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			[signature]

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.1 °C Bottles Received: 254a

Date: 9-12-16 Time: 9a

Hold #

Condition: (lab use only)

COC Seal Intact: ____Y ____N ____NA

pH Checked:

NCF: Y

McGinley & Assoc. - Reno, NV

815 Maestro Drive
Reno, NV 89511

Billing Information:
Tony Dimpel
815 Maestro Dr.
Reno, NV 89511

Report to: Ben Peterson

Email To: bpeterson@mcgin.com

Project Description: Bella Vista Ranch

City/State Collected: Reno, NV

Phone: 775-829-2245
Fax:

Client Project #: BLC001

Lab Project #: MCGINRNV-HG

Collected by (print): Brian Kuhns

Site/Facility ID #:

P.O. #:

Collected by (signature):

Immediately Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
____ Same Day 200%
____ Next Day 100%
____ Two Day 50%
____ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L858984

Table #

Acctnum: MCGINRNV
Template: T115371
Prelogin: P566073
TSR: 728 - Shane Gambill
PB:

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG 7470 4ozClr-NoPres	Rem./Contaminant	Sample # (lab only)
BLC001-Pond South	comp	SS		9/7/16	1043	1	X		-31
BLC001- Pond North	|	SS		|	1055	1	X		-32
BLC001- BP West 01	|	SS		|	1114	1	X		-33
BLC001- BP West 02	|	SS		|	1120	1	X		-34
BLC001- BP West 03	|	SS		|	1123	1	X		-35
BLC001- BP West 04	|	SS		|	1129	1	X		-36
BLC001- BP West 05	|	SS		|	1140	1	X		-37
BLC001- BP West 06	|	SS		|	1144	1	X		-38
BLC001- BP West 07	|	SS		|	1148	1	X		-39
BLC001- BP West 08	|	SS		|	1153	1	X		-40

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	9/9/16	1131	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.1 °C Bottles Received: 254a

Date: 9-12-16 Time: 9a

Hold #

Condition: (lab use only)

COC Seal Intact: ✓ Y ___N ___NA

pH Checked:

NCF: X

McGinley & Assoc. - Reno, NV

815 Maestro Drive
Reno, NV 89511

Billing Information:
Tony Dimpel
815 Maestro Dr.
Reno, NV 89511

Report to: Ben Peterson

Email To: bpeterson@mcgin.com

Project Description: Bella Vista Ranch

City/State Collected: Reno, NV

Phone: 775-829-2245
Fax:

Client Project # BLC001

Lab Project # MCGINRNV-HG

Collected by (print): Brian Kuhns

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X_Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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YOUR LAB OF CHOICE
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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L858994

Table #

Acctnum: MCGINRNV
Template: T115371
Prelogin: P566073
TSR: 728 - Shane Gambill
PB:

Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG 7470 4ozClr-NoPres										Rem./Contaminant	Sample # (lab only)
BLC001- G046	Comp	SS		9/7/16	1334	1	X											-41
BLC001- G051		SS			1415	1	X											-42
BLC001- G054		SS			1430	1	X											-43
BLC001- G055		SS			1449	1	X											-44
BLC001- G053		SS			1506	1	X											-45
BLC001- G052		SS			1529	1	X											-46
BLC001- G041		SS		9/8/16	0659	1	X											-47
BLC001- G037		SS			0723	1	X											-48
BLC001- G031		SS			0753	1	X											-49
BLC001- G026		SS			0840	1	X											-50

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ____	Condition: (lab use only)
	9/9/16	1132			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.1 °C Bottles Received: 254a	COC Seal Intact: ✓ Y ___N ___NA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9-12-16 Time: 900	pH Checked: NCF: X

McGinley & Assoc. - Reno, NV

815 Maestro Drive
Reno, NV 89511

Billing Information:
Tony Dimpel
815 Maestro Dr.
Reno, NV 89511

Report to: Ben Peterson

Email To: bpeterson@mcgin.com

Project Description: Bella Vista Ranch

City/State Collected: Reno, NV

Phone: 775-829-2245
Fax:

Client Project #: BLC001

Lab Project #: MCGINRNV-HG

Collected by (print): Brian Kuhns

Site/Facility ID #:

P.O. #:

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L858984

Table #

Acctnum: MCGINRNV
Template: T115371
Prelogin: P566073
TSR: 728 - Shane Gambill
PB:

Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG 7470 4ozClr-NoPres										Rem./Contaminant	Sample # (lab only)
BLC001- G047	Comp	SS		9/8/16	0925	1	X											-51
BLC001- G049	|	SS		|	0939	1	X											-52
BLC001- G050	|	SS		|	0957	1	X											-53
BLC001- G048	|	SS		|	1014	1	X											-54
BLC001- G045	|	SS		|	1028	1	X											-55
BLC001- G044	|	SS		|	1044	1	X											-56
BLC001- G038	|	SS		|	1141	1	X											-57
BLC001- G042	|	SS		|	1203	1	X											-58
BLC001- G043	|	SS		|	1219	1	X											-59
BLC001- G040	|	SS		|	1240	1	X											-60

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____	Condition: (lab use only)
[signature]	9/9/16	1132			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.1 °C Bottles Received: 754a	COC Seal Intact: ✓ Y ___N ___NA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 9-12-16 Time: 900	pH Checked: NCF: Y

McGinley & Assoc. - Reno, NV

815 Maestro Drive
Reno, NV 89511

Billing Information:
Tony Dimpel
815 Maestro Dr.
Reno, NV 89511

Report to: Ben Peterson

Email To: bpeterson@mcgin.com

Project Description: Bella Vista Ranch

City/State Collected:

Phone: 775-829-2245
Fax:

Client Project #: BLC001

Lab Project #: MCGINRNV-HG

Collected by (print): Brian Kuhns

Site/Facility ID #:

P.O. #:

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X_Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L854984

Table #

Acctnum: MCGINRNV
Template: T115371
Prelogin: P566073
TSR: 728 - Shane Gambill
PB:

Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG 7470 4ozClr-NoPres									Rem./Contaminant	Sample # (lab only)
BLC001- G039	comp	SS		9/8/16	1301	1	X										-61
BLC001- G032		SS			1328	1	X										-62
BLC001- G027		SS			1422	1	X										-63
BLC001- G028		SS			1445	1	X										-64
BLC001- G033		SS			1506	1	X										-65
BLC001- G035		SS			1519	1	X										-66
BLC001- G036		SS			1535	1	X										-67
BLC001- G034		SS			1548	1	X										-68
BLC001- G022		SS		9/9/16	0705	1	X										-69
BLC001- G023		SS		9/9/16	0720	1	X										-70

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____	Condition: (lab use only)
[signature]	9/9/16	1133			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.1 °C Bottles Received: 25 4n	COC Seal Intact: ✓ Y ___N ___NA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 9-12-16 Time: 900	pH Checked: NCF: X

Company Name/Address: McGinley & Assoc. - Reno, NV
815 Maestro Drive
Reno, NV 89511

Billing Information: Tony Dimpel
815 Maestro Drive
Reno, NV 89511

Report to: Ben Peterson

Email To: bpeterson@mcgin.com

Project Description: Bella Vista Ranch

City/State Collected: Reno, NV

Phone: 775-829-2245
Fax:

Client Project #: BLC001

Lab Project #: MCGINRNV-HG

Collected by (print): Brian Kuhns

Site/Facility ID #:

P.O. #:

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No ___Yes
FAX? ___No ___Yes

Analysis / Container / Preservative: HG 7470 4oz Clr-NoPres

Chain of Custody Page ___ of ___

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L958984

Table #

Acctnum: MCGINRNV
Template: T115371
Prelogin: P566073
TSR: 728-Shane Gumbill
PB:

Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG 7470 4oz Clr-NoPres	Rem./Contaminant	Sample # (lab only)
BLC001-G025	~~SS~~ comp	SS		9/9/16	0736	1	X		-71
• BLC001-G024	~~SS~~ comp	SS		9/9/16	0754	1	X		-72
BLC001-G029	~~SS~~ comp	SS		9/9/16	0809	1	X		-73
• BLC001-G030	comp	SS		9/9/16	0821	1	X		-74

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

pH _____ Temp _____
Flow _____ Other _____

Remarks:

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
[signature]	9/9/16	1134	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)
			[signature]

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.1 °C Bottles Received: 25 ea

Date: 9-12-16 Time: 900

Condition: (lab use only)

COC Seal Intact: ___Y ___N ___NA

pH Checked:

NCF: X

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

Cooler Receipt Form

Client: MCGINRNV	SDG# L058984
Cooler Received/Opened On: 9/12 /16	Temperature Upon Receipt: 3.1 °c
Received By: Greg Dearmon	
Signature: Greg Dearmon	

Receipt Check List	Yes	No	N/A
Were custody seals on outside of cooler and intact?	/		
Were custody papers properly filled out?	/		
Did all bottles arrive in good condition?	/		
Were correct bottles used for the analyses requested?	/		
Was sufficient amount of sample sent in each bottle?	/		
Were all applicable sample containers correctly preserved and checked for preservation? (Any not in accepted range noted on COC)			/
If applicable, was an observable VOA headspace present?			/
Non Conformance Generated. (If yes see attached NCF)	/		

ESC Lab Sciences
Non-Conformance Form

Login # L858984	Client: MCGINRNV	Date:9/10	Evaluated by:Dakota (B043)

Non-Conformance (check applicable items)

	Sample Integrity		Chain of Custody Clarification		
	Parameter(s) past holding time	x	Login Clarification Needed		**If Broken Container:**
	Improper temperature		Chain of custody is incomplete		Insufficient packing material around container
	Improper container type		Please specify Metals requested.		Insufficient packing material inside cooler
	Improper preservation		Please specify TCLP requested.		Improper handling by carrier (FedEx / UPS / Couri
	Insufficient sample volume.		Received additional samples not listed on coc.		Sample was frozen
	Sample is biphasic.		Sample ids on containers do not match ids on coc		Container lid not intact
	Vials received with headspace.		Trip Blank not received.		**If no Chain of Custody:**
	Broken container		Client did not "X" analysis.		Received by: Dakota B
	Broken container:	x	Chain of Custody is missing		Date/Time: 9-10-16 / 0900
	Sufficient sample remains				Temp./Cont. Rec./pH: 2.1 / 48
					Carrier:Fed Ex
					Tracking#67770001094610957

Login Comments: Received 48 4oz containers for HG7470, Project BLC001 on 9/10 without a COC

Client informed by:	Call	Email	Voice Mail	Date: 9/19/16	Time: 1305
TSR Initials: JCR	Client Contact:				

Login Instructions:

Remaining samples were received on 9/12, along with the COC. Logged to SDG# L858984

This E-mail and any attached files are confidential, and may be copyright protected. If you are not the addressee, any dissemination of this communication is strictly prohibited. If you have received this message in error, please contact the sender immediately and delete/destroy all information received.

ESC LAB SCIENCES
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ANALYTICAL REPORT

September 30, 2016

myESC
REAL TIME DATA ACCESS

McGinley & Assoc. - Reno, NV

Sample Delivery Group:	L861348
Samples Received:	09/12/2016
Project Number:	BLC001
Description:	Bella Vista Ranch
Report To:	Ben Peterson 815 Maestro Drive Reno, NV 89511

Entire Report Reviewed By:

Shane Gambill
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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BLC001-G055 L861348-01 Waste

Collected by: Brian Knight
Collected date/time: 09/07/16 14:49
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG912087	1	09/28/16 15:09	09/30/16 08:30	NJB
Preparation by Method 1311	WG911040	1	09/25/16 13:24	09/25/16 13:24	LJN

BLC001-G053 L861348-02 Waste

Collected by: Brian Knight
Collected date/time: 09/07/16 15:06
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG912087	1	09/28/16 15:09	09/30/16 08:33	NJB
Preparation by Method 1311	WG911040	1	09/25/16 13:24	09/25/16 13:24	LJN

BLC001-G045 L861348-03 Waste

Collected by: Brian Knight
Collected date/time: 09/08/16 10:28
Received date/time: 09/12/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG912087	1	09/28/16 15:09	09/30/16 08:35	NJB
Preparation by Method 1311	WG911040	1	09/25/16 13:24	09/25/16 13:24	LJN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Shane Gambill
Technical Service Representative

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/25/2016 1:24:19 PM	WG911040
Fluid	1		9/25/2016 1:24:19 PM	WG911040
Initial pH	8.33		9/25/2016 1:24:19 PM	WG911040
Final pH	5.22		9/25/2016 1:24:19 PM	WG911040

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	09/30/2016 08:30	WG912087

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/25/2016 1:24:19 PM	WG911040
Fluid	1		9/25/2016 1:24:19 PM	WG911040
Initial pH	8.24		9/25/2016 1:24:19 PM	WG911040
Final pH	5.12		9/25/2016 1:24:19 PM	WG911040

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	09/30/2016 08:33	WG912087

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/25/2016 1:24:19 PM	WG911040
Fluid	1		9/25/2016 1:24:19 PM	WG911040
Initial pH	8.28		9/25/2016 1:24:19 PM	WG911040
Final pH	5.15		9/25/2016 1:24:19 PM	WG911040

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	09/30/2016 08:35	WG912087

Method Blank (MB)

(MB) R3167239-1 09/30/16 07:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.00333	0.0100

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3167239-2 09/30/16 07:54 • (LCSD) R3167239-3 09/30/16 07:57

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.0300	0.0314	0.0321	105	107	80-120			2	20

L861336-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L861336-02 09/30/16 07:59 • (MS) R3167239-4 09/30/16 08:02 • (MSD) R3167239-5 09/30/16 08:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.0300	ND	0.0330	0.0313	110	104	1	75-125			5	20

L861336-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L861336-08 09/30/16 08:07 • (MS) R3167239-6 09/30/16 08:09 • (MSD) R3167239-7 09/30/16 08:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.0300	ND	0.0316	0.0330	105	110	1	75-125			4	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Rec.	Recovery.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**

***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660
Alaska	UST-080
Arizona	AZ0612
Arkansas	88-0469
California	01157CA
Colorado	TN00003
Conneticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1]	90010
Kentucky [2]	16
Louisiana	AI30792
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico	TN00003
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [2]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	221
South Carolina	84004
South Dakota	n/a
Tennessee [1 4]	2006
Texas	T 104704245-07-TX
Texas [5]	LAB0152
Utah	6157585858
Vermont	VT2006
Virginia	109
Washington	C1915
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

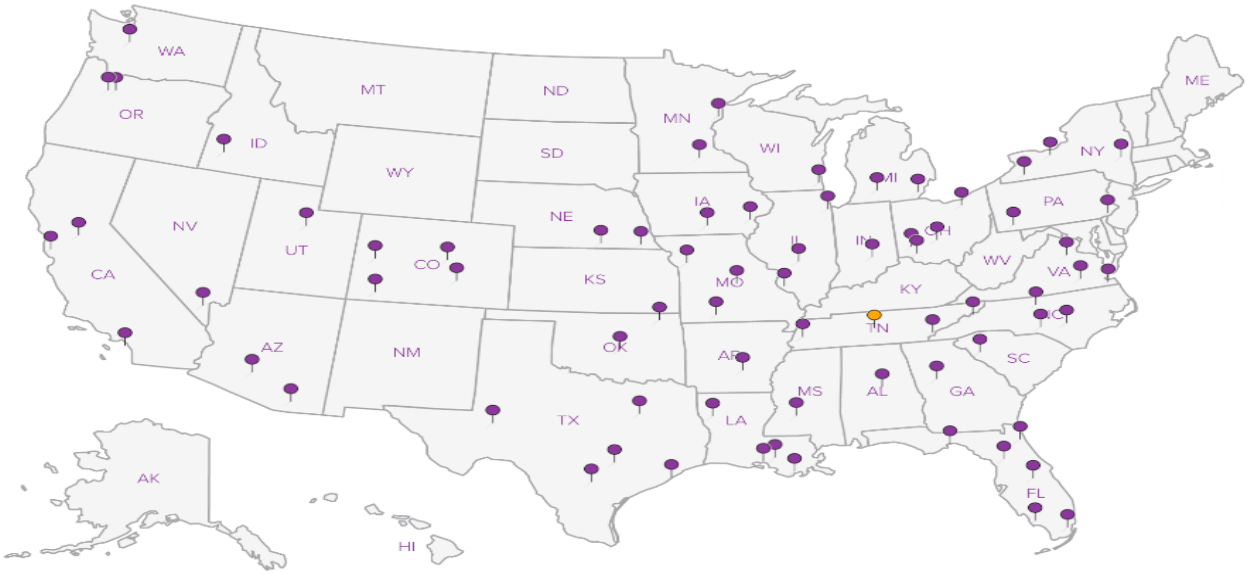
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003
AIHA	100789
DOD	1461.01
USDA	S-67674

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



McGinley & Assoc. - Reno, NV

815 Maestro Drive
Reno, NV 89511

Billing Information:
Tony Dimpel
815 Maestro Dr.
Reno, NV 89511

Report to: Ben Peterson

Email To: bpeterson@mcgin.com

Project Description: Bella Vista Ranch

City/State Collected: Reno, NV

Phone: 775-829-2245
Fax:

Client Project #: BLC001

Lab Project #: MCGINRNV-HG

Collected by (print): Brian Kuhns

Site/Facility ID #:

P.O. #:

Collected by (signature):

Immediately Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
____ Same Day 200%
____ Next Day 100%
____ Two Day 50%
____ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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Phone: 615-758-5858
Phone: 800-767-5859
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L# L858494 (MS #)

Table # 86134

Acctnum: MCGINRNV
Template: T115371
Prelogin: P566073
TSR: 728 - Shane Gambill
PB:
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG 7470 4ozClr-NoPres	Rem./Contaminant	Sample # (lab only)
BLC001- G046	Comp	SS		9/7/16	1334	1	X		-41
BLC001- G051		SS			1415	1	X		-42
BLC001- G054		SS			1430	1	X		-43
BLC001- G055		SS			1449	1	X		-44
BLC001- G053		SS			1506	1	X		-45
BLC001- G052		SS			1529	1	X		-46
BLC001- G041		SS		9/8/16	0659	1	X		-47
BLC001- G037		SS			0723	1	X		-48
BLC001- G031		SS			0753	1	X		-49
BLC001- G026		SS			0840	1	X		-50

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	9/9/16	1132	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.1 °C Bottles Received: 254a

Date: 9-12-16 Time: 9:00

Hold #

Condition: (lab use only)

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF: X

McGinley & Assoc. - Reno, NV

815 Maestro Drive
Reno, NV 89511

Billing Information:
Tony Dimpel
815 Maestro Dr.
Reno, NV 89511

Report to: Ben Peterson

Email To: bpeterson@mcgin.com

Project Description: Bella Vista Ranch

City/State Collected: Reno, NV

Phone: 775-829-2245
Fax:

Client Project #: BLC001

Lab Project #: MCGINRNV-HG

Collected by (print): Brian Kuhns

Site/Facility ID #:

P.O. #:

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L958481

Table # 86348

Acctnum: MCGINRNV
Template: T115371
Prelogin: P566073
TSR: 728 - Shane Gambill
PB:
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG 7470 4oz Clr-NoPres	Rem./Contaminant	Sample # (lab only)
BLC001-G047	Comp	SS		9/8/16	0925	1	X		-51
BLC001-G049		SS			0939	1	X		-52
BLC001-G050		SS			0957	1	X		-53
BLC001-G048		SS			1014	1	X		-54
BLC001-G045		SS			1028	1	X	03	-55
BLC001-G044		SS			1044	1	X		-56
BLC001-G038		SS			1141	1	X		-57
BLC001-G042		SS			1203	1	X		-58
BLC001-G043		SS			1219	1	X		-59
BLC001-G040		SS			1240	1	X		-60

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	9/9/16	1132	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.1 °C Bottles Received: 75 42

Date: 9-12-16 Time: 900

Hold #

Condition: (lab use only)

COC Seal Intact: ___Y ___N ___NA

pH Checked:

NCF: Y

Matt Shacklock

From: Jason Romer
Sent: Thursday, September 22, 2016 1:53 PM
To: Login; Due Metals; Sample Storage; TCLP
Cc: Shane Gambill
Subject: L858984 - MCGINRNV - relog for TCLP

Please relog L858984-44, -45 and -55 for TCLP HG. **Please log as R5 due Thursday, 09/29**

Thanks,

Jason Romer
Technical Service Representative (TSR)
E-mail: **jromer@esclabsciences.com**
Phone: 800-767-5859 Ext. 9713
Direct: 615-773-9713
www.esclabsciences.com

ANALYTICAL REPORT

December 07, 2016

McGinley & Assoc. - Reno, NV

Sample Delivery Group:	L875923
Samples Received:	12/02/2016
Project Number:	BLC001
Description:	Bella Vista Ranch
Report To:	Ben Peterson 815 Maestro Drive Reno, NV 89511

Entire Report Reviewed By:

Shane Gambill
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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BLC001-G050-0-0.5FT L875923-01 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 08:50 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	50	12/03/16 05:33	12/05/16 13:11	NJB
Total Solids by Method 2540 G-2011	WG931811	1	12/06/16 09:29	12/06/16 09:48	MEL

BLC001-G050-0.5-1.0FT L875923-02 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 09:45 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	50	12/03/16 05:33	12/05/16 13:14	NJB
Total Solids by Method 2540 G-2011	WG931811	1	12/06/16 09:29	12/06/16 09:48	MEL

BLC001-G050-1.0-1.5FT L875923-03 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 10:05 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	2	12/03/16 05:33	12/05/16 15:00	NJB
Total Solids by Method 2540 G-2011	WG931811	1	12/06/16 09:29	12/06/16 09:48	MEL

BLC001-G050-1.5-2.0FT L875923-04 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 10:20 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	50	12/03/16 05:33	12/05/16 13:24	NJB
Total Solids by Method 2540 G-2011	WG931811	1	12/06/16 09:29	12/06/16 09:48	MEL

BLC001-G049-0-0.5FT L875923-05 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 10:45 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	50	12/03/16 05:33	12/05/16 13:26	NJB
Total Solids by Method 2540 G-2011	WG931811	1	12/06/16 09:29	12/06/16 09:48	MEL

BLC001-G049-0.5-1.0FT L875923-06 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 10:55 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	50	12/03/16 05:33	12/05/16 13:29	NJB
Total Solids by Method 2540 G-2011	WG931811	1	12/06/16 09:29	12/06/16 09:48	MEL

BLC001-G049-1.0-1.5FT L875923-07 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 11:05 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	1	12/03/16 05:33	12/05/16 15:02	NJB
Total Solids by Method 2540 G-2011	WG931811	1	12/06/16 09:29	12/06/16 09:48	MEL

BLC001-G049-1.5-2.0FT L875923-08 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 11:15 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	1	12/03/16 05:33	12/05/16 15:10	NJB
Total Solids by Method 2540 G-2011	WG931811	1	12/06/16 09:29	12/06/16 09:48	MEL

BLC001-G055-0-0.5FT L875923-09 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 12:30 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	50	12/03/16 05:33	12/05/16 13:37	NJB
Total Solids by Method 2540 G-2011	WG931811	1	12/06/16 09:29	12/06/16 09:48	MEL

BLC001-G055-0.5-1.0FT L875923-10 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 12:40 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	50	12/03/16 05:33	12/05/16 13:39	NJB
Total Solids by Method 2540 G-2011	WG931811	1	12/06/16 09:29	12/06/16 09:48	MEL

BLC001-G055-1.0-1.5FT L875923-11 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 12:50 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	1	12/03/16 05:33	12/05/16 15:13	NJB
Total Solids by Method 2540 G-2011	WG931812	1	12/06/16 10:06	12/06/16 10:19	MEL

BLC001-G055-1.5-2.0FT L875923-12 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 13:00 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	1	12/03/16 05:33	12/05/16 11:19	NJB
Total Solids by Method 2540 G-2011	WG931812	1	12/06/16 10:06	12/06/16 10:19	MEL

BLC001-G053-0-0.5FT L875923-13 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 13:50 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	100	12/03/16 05:33	12/05/16 15:15	NJB
Total Solids by Method 2540 G-2011	WG931812	1	12/06/16 10:06	12/06/16 10:19	MEL

BLC001-G053-0.5-1.0FT L875923-14 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 14:00 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	50	12/03/16 05:33	12/05/16 13:52	NJB
Total Solids by Method 2540 G-2011	WG931812	1	12/06/16 10:06	12/06/16 10:19	MEL

BLC001-G053-1.0-1.5FT L875923-15 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 14:10 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	5	12/03/16 05:33	12/05/16 15:18	NJB
Total Solids by Method 2540 G-2011	WG931812	1	12/06/16 10:06	12/06/16 10:19	MEL

BLC001-G053-1.5-2.0FT L875923-16 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 14:20 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	2	12/03/16 05:33	12/05/16 15:20	NJB
Total Solids by Method 2540 G-2011	WG931812	1	12/06/16 10:06	12/06/16 10:19	MEL

BLC001-G048-0-0.5FT L875923-17 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 14:50 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	100	12/03/16 05:33	12/05/16 15:23	NJB
Total Solids by Method 2540 G-2011	WG931812	1	12/06/16 10:06	12/06/16 10:19	MEL

BLC001-G048-0.5-1.0FT L875923-18 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 15:00 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	50	12/03/16 05:33	12/05/16 14:05	NJB
Total Solids by Method 2540 G-2011	WG931812	1	12/06/16 10:06	12/06/16 10:19	MEL

BLC001-G048-1.0-1.5FT L875923-19 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 15:10 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	1	12/03/16 05:33	12/05/16 15:25	NJB
Total Solids by Method 2540 G-2011	WG931812	1	12/06/16 10:06	12/06/16 10:19	MEL

BLC001-G048-1.5-2.0FT L875923-20 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 15:20 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931623	1	12/03/16 05:33	12/05/16 15:28	NJB
Total Solids by Method 2540 G-2011	WG931812	1	12/06/16 10:06	12/06/16 10:19	MEL

BLC001-G045-0-0.5FT L875923-21 Solid

Collected by: Brian Kuhns | Collected date/time: 11/29/16 15:50 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	20	12/03/16 05:43	12/06/16 16:48	NJB
Total Solids by Method 2540 G-2011	WG931813	1	12/06/16 11:08	12/06/16 11:20	MEL

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

BLC001-G045-0.5-1.0FT L875923-22 Solid

Collected by: Brian Kuhns
Collected date/time: 11/29/16 16:00
Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	1	12/03/16 05:43	12/06/16 14:49	NJB
Total Solids by Method 2540 G-2011	WG931813	1	12/06/16 11:08	12/06/16 11:20	MEL

BLC001-G045-1.0-1.5FT L875923-23 Solid

Collected by: Brian Kuhns
Collected date/time: 11/29/16 16:10
Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	1	12/03/16 05:43	12/06/16 14:52	NJB
Total Solids by Method 2540 G-2011	WG931813	1	12/06/16 11:08	12/06/16 11:20	MEL

BLC001-G045-1.5-2.0FT L875923-24 Solid

Collected by: Brian Kuhns
Collected date/time: 11/29/16 16:20
Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	1	12/03/16 05:43	12/06/16 14:59	NJB
Total Solids by Method 2540 G-2011	WG931813	1	12/06/16 11:08	12/06/16 11:20	MEL

BLC001-G039-0-0.5FT L875923-25 Solid

Collected by: Brian Kuhns
Collected date/time: 11/30/16 08:50
Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	50	12/03/16 05:43	12/06/16 16:05	NJB
Total Solids by Method 2540 G-2011	WG931813	1	12/06/16 11:08	12/06/16 11:20	MEL

BLC001-G039-0.5-1.0FT L875923-26 Solid

Collected by: Brian Kuhns
Collected date/time: 11/30/16 09:00
Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	100	12/03/16 05:43	12/06/16 16:51	NJB
Total Solids by Method 2540 G-2011	WG931813	1	12/06/16 11:08	12/06/16 11:20	MEL

BLC001-G039-1.0-1.5FT L875923-27 Solid

Collected by: Brian Kuhns
Collected date/time: 11/30/16 09:10
Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	100	12/03/16 05:43	12/06/16 16:53	NJB
Total Solids by Method 2540 G-2011	WG931813	1	12/06/16 11:08	12/06/16 11:20	MEL

BLC001-G039-1.5-2.0FT L875923-28 Solid

Collected by: Brian Kuhns
Collected date/time: 11/30/16 09:20
Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	5	12/03/16 05:43	12/06/16 16:13	NJB
Total Solids by Method 2540 G-2011	WG931813	1	12/06/16 11:08	12/06/16 11:20	MEL

BLC001-G013-0-0.5FT L875923-29 Solid

Collected by: Brian Kuhns | Collected date/time: 11/30/16 10:50 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	50	12/03/16 05:43	12/06/16 16:15	NJB
Total Solids by Method 2540 G-2011	WG931813	1	12/06/16 11:08	12/06/16 11:20	MEL

BLC001-G013-0.5-1.0FT L875923-30 Solid

Collected by: Brian Kuhns | Collected date/time: 11/30/16 11:00 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	20	12/03/16 05:43	12/06/16 16:56	NJB
Total Solids by Method 2540 G-2011	WG931813	1	12/06/16 11:08	12/06/16 11:20	MEL

BLC001-G013-1.0-1.5FT L875923-31 Solid

Collected by: Brian Kuhns | Collected date/time: 11/30/16 11:10 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	1	12/03/16 05:43	12/06/16 15:20	NJB
Total Solids by Method 2540 G-2011	WG931815	1	12/06/16 09:51	12/06/16 10:03	MEL

BLC001-G013-1.5-2.0FT L875923-32 Solid

Collected by: Brian Kuhns | Collected date/time: 11/30/16 11:20 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	1	12/03/16 05:43	12/06/16 15:22	NJB
Total Solids by Method 2540 G-2011	WG931815	1	12/06/16 09:51	12/06/16 10:03	MEL

BLC001-G014-0-0.5FT L875923-33 Solid

Collected by: Brian Kuhns | Collected date/time: 11/30/16 11:40 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	20	12/03/16 05:43	12/06/16 16:58	NJB
Total Solids by Method 2540 G-2011	WG931815	1	12/06/16 09:51	12/06/16 10:03	MEL

BLC001-G014-0.5-1.0FT L875923-34 Solid

Collected by: Brian Kuhns | Collected date/time: 11/30/16 11:50 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	100	12/03/16 05:43	12/06/16 17:14	NJB
Total Solids by Method 2540 G-2011	WG931815	1	12/06/16 09:51	12/06/16 10:03	MEL

BLC001-G014-1.0-1.5FT L875923-35 Solid

Collected by: Brian Kuhns | Collected date/time: 11/30/16 12:00 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	50	12/03/16 05:43	12/06/16 16:25	NJB
Total Solids by Method 2540 G-2011	WG931815	1	12/06/16 09:51	12/06/16 10:03	MEL

BLC001-G014-1.5-2.0FT L875923-36 Solid

Collected by: Brian Kuhns | Collected date/time: 11/30/16 12:10 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	50	12/03/16 05:43	12/06/16 16:28	NJB
Total Solids by Method 2540 G-2011	WG931815	1	12/06/16 09:51	12/06/16 10:03	MEL

BLC001-G017-0-0.5FT L875923-37 Solid

Collected by: Brian Kuhns | Collected date/time: 11/30/16 12:20 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	50	12/03/16 05:43	12/06/16 16:38	NJB
Total Solids by Method 2540 G-2011	WG931815	1	12/06/16 09:51	12/06/16 10:03	MEL

BLC001-G017-0.5-1.0FT L875923-38 Solid

Collected by: Brian Kuhns | Collected date/time: 11/30/16 12:30 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	50	12/03/16 05:43	12/06/16 16:41	NJB
Total Solids by Method 2540 G-2011	WG931815	1	12/06/16 09:51	12/06/16 10:03	MEL

BLC001-G017-1.0-1.5FT L875923-39 Solid

Collected by: Brian Kuhns | Collected date/time: 11/30/16 12:40 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	50	12/03/16 05:43	12/06/16 16:43	NJB
Total Solids by Method 2540 G-2011	WG931815	1	12/06/16 09:51	12/06/16 10:03	MEL

BLC001-G017-1.5-2.0FT L875923-40 Solid

Collected by: Brian Kuhns | Collected date/time: 11/30/16 12:50 | Received date/time: 12/02/16 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG931624	50	12/03/16 05:43	12/06/16 16:46	NJB
Total Solids by Method 2540 G-2011	WG931815	1	12/06/16 09:51	12/06/16 10:03	MEL

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Shane Gambill
Technical Service Representative

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	62.4		1	12/06/2016 09:48	WG931811

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	53.4		0.225	1.60	50	12/05/2016 13:11	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	59.8		1	12/06/2016 09:48	WG931811

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	7.08		0.234	1.67	50	12/05/2016 13:14	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	63.3		1	12/06/2016 09:48	WG931811

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	1.55		0.00885	0.0632	2	12/05/2016 15:00	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	63.4		1	12/06/2016 09:48	WG931811

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	22.0		0.221	1.58	50	12/05/2016 13:24	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	63.0		1	12/06/2016 09:48	WG931811

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	7.63		0.222	1.59	50	12/05/2016 13:26	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	56.8		1	12/06/2016 09:48	WG931811

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	3.95		0.247	1.76	50	12/05/2016 13:29	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	60.0		1	12/06/2016 09:48	WG931811

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.337		0.00466	0.0333	1	12/05/2016 15:02	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	59.4		1	12/06/2016 09:48	WG931811

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.369		0.00471	0.0337	1	12/05/2016 15:10	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	64.3		1	12/06/2016 09:48	WG931811

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	61.7		0.218	1.55	50	12/05/2016 13:37	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	60.2		1	12/06/2016 09:48	WG931811

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	2.25		0.233	1.66	50	12/05/2016 13:39	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	63.9		1	12/06/2016 10:19	WG931812

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.605		0.00438	0.0313	1	12/05/2016 15:13	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	59.6		1	12/06/2016 10:19	WG931812

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.556		0.00470	0.0335	1	12/05/2016 11:19	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	65.7		1	12/06/2016 10:19	WG931812

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	101		0.426	3.04	100	12/05/2016 15:15	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	66.7		1	12/06/2016 10:19	WG931812

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	43.5		0.210	1.50	50	12/05/2016 13:52	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	63.0		1	12/06/2016 10:19	WG931812

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	1.54		0.0222	0.159	5	12/05/2016 15:18	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	62.2		1	12/06/2016 10:19	WG931812

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.761		0.00900	0.0643	2	12/05/2016 15:20	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	63.2		1	12/06/2016 10:19	WG931812

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	116		0.443	3.16	100	12/05/2016 15:23	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	61.0		1	12/06/2016 10:19	WG931812

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	11.6		0.230	1.64	50	12/05/2016 14:05	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	62.7		1	12/06/2016 10:19	WG931812

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.385		0.00447	0.0319	1	12/05/2016 15:25	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	63.5		1	12/06/2016 10:19	WG931812

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.397		0.00441	0.0315	1	12/05/2016 15:28	WG931623

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	65.2		1	12/06/2016 11:20	WG931813

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	4.47		0.0859	0.614	20	12/06/2016 16:48	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	69.8		1	12/06/2016 11:20	WG931813

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.739		0.00401	0.0287	1	12/06/2016 14:49	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	66.8		1	12/06/2016 11:20	WG931813

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.199		0.00419	0.0300	1	12/06/2016 14:52	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	62.1		1	12/06/2016 11:20	WG931813

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.198		0.00451	0.0322	1	12/06/2016 14:59	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	70.9		1	12/06/2016 11:20	WG931813

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	30.3		0.198	1.41	50	12/06/2016 16:05	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	77.3		1	12/06/2016 11:20	WG931813

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	61.8		0.362	2.59	100	12/06/2016 16:51	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	67.1		1	12/06/2016 11:20	WG931813

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	78.5		0.418	2.98	100	12/06/2016 16:53	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	61.8		1	12/06/2016 11:20	WG931813

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	5.36		0.0226	0.162	5	12/06/2016 16:13	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.8		1	12/06/2016 11:20	WG931813

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	13.1		0.163	1.17	50	12/06/2016 16:15	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.8		1	12/06/2016 11:20	WG931813

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	1.61		0.0617	0.441	20	12/06/2016 16:56	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.6		1	12/06/2016 10:03	WG931815

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.440		0.00290	0.0207	1	12/06/2016 15:20	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	96.2		1	12/06/2016 10:03	WG931815

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.390		0.00291	0.0208	1	12/06/2016 15:22	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.5		1	12/06/2016 10:03	WG931815

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	5.63		0.0640	0.457	20	12/06/2016 16:58	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.7		1	12/06/2016 10:03	WG931815

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	91.3		0.316	2.26	100	12/06/2016 17:14	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.1		1	12/06/2016 10:03	WG931815

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	18.8		0.144	1.03	50	12/06/2016 16:25	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	97.5		1	12/06/2016 10:03	WG931815

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	6.09		0.144	1.03	50	12/06/2016 16:28	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.0		1	12/06/2016 10:03	WG931815

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	38.9		0.165	1.18	50	12/06/2016 16:38	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.0		1	12/06/2016 10:03	WG931815

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	20.0		0.151	1.08	50	12/06/2016 16:41	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	94.4		1	12/06/2016 10:03	WG931815

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	9.86		0.148	1.06	50	12/06/2016 16:43	WG931624

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.0		1	12/06/2016 10:03	WG931815

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	5.94		0.159	1.14	50	12/06/2016 16:46	WG931624

Method Blank (MB)

(MB) R3182840-1 12/06/16 09:48

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L875923-10 Original Sample (OS) • Duplicate (DUP)

(OS) L875923-10 12/06/16 09:48 • (DUP) R3182840-3 12/06/16 09:48

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	60.2	60.3	1	0.176		5

Laboratory Control Sample (LCS)

(LCS) R3182840-2 12/06/16 09:48

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	99.9	85.0-115	

Method Blank (MB)

(MB) R3182842-1 12/06/16 10:19

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00110			

L875923-11 Original Sample (OS) • Duplicate (DUP)

(OS) L875923-11 12/06/16 10:19 • (DUP) R3182842-3 12/06/16 10:19

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	63.9	64.2	1	0.461		5

Laboratory Control Sample (LCS)

(LCS) R3182842-2 12/06/16 10:19

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3182846-1 12/06/16 11:20

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000800			

L875923-21 Original Sample (OS) • Duplicate (DUP)

(OS) L875923-21 12/06/16 11:20 • (DUP) R3182846-3 12/06/16 11:20

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	65.2	66.4	1	1.88		5

Laboratory Control Sample (LCS)

(LCS) R3182846-2 12/06/16 11:20

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3182841-1 12/06/16 10:03

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	%		%	%
Total Solids	0.000500			

L875923-33 Original Sample (OS) • Duplicate (DUP)

(OS) L875923-33 12/06/16 10:03 • (DUP) R3182841-3 12/06/16 10:03

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	87.5	87.7	1	0.222		5

Laboratory Control Sample (LCS)

(LCS) R3182841-2 12/06/16 10:03

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3182500-1 12/05/16 10:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0028	0.0200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3182500-2 12/05/16 10:34 • (LCSD) R3182500-3 12/05/16 10:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.259	0.279	86	93	80-120			8	20

Method Blank (MB)

(MB) R3182796-1 12/06/16 14:38

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0028	0.0200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3182796-2 12/06/16 14:40 • (LCSD) R3182796-3 12/06/16 14:43

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.290	0.279	97	93	80-120			4	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Rec.	Recovery.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**

***** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660
Alaska	UST-080
Arizona	AZ0612
Arkansas	88-0469
California	01157CA
Colorado	TN00003
Conneticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1]	90010
Kentucky [2]	16
Louisiana	AI30792
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico	TN00003
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [2]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	221
South Carolina	84004
South Dakota	n/a
Tennessee [1 4]	2006
Texas	T 104704245-07-TX
Texas [5]	LAB0152
Utah	6157585858
Vermont	VT2006
Virginia	109
Washington	C1915
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003
AIHA	100789
DOD	1461.01
USDA	S-67674

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

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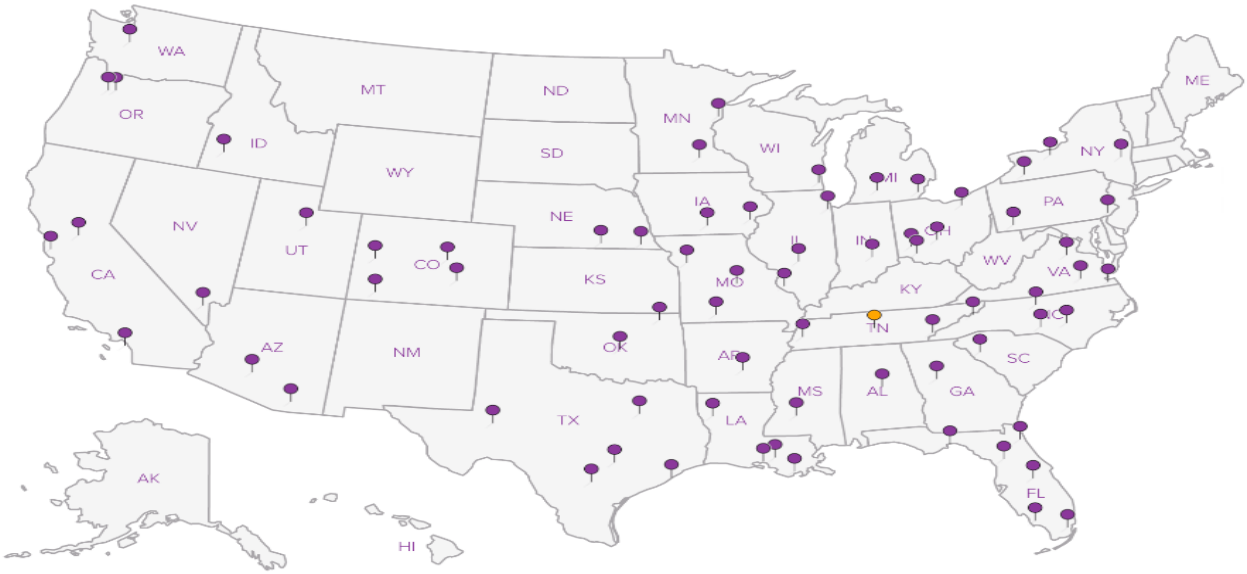

McGinley & Assoc. - Reno, NV

815 Maestro Drive
Reno, NV 89511

Billing Information & Quote Number:

815 Maestro Dr.
Reno, NV 89511

Report to: **Ben Peterson**

Email To: bpeterson@mcgin.com

Project Description: Bella Vista Ranch

City/State Collected: Reno/NV

Phone: **775-829-2245**
Fax:

Client Project #: BLC001

Lab Project #: **MCGINRNV-PETERSON**

Collected by (print): Brian Kuhns

Site/Facility ID #:

P.O. #:

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

ESC LAB SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 875923

B068

Acctnum: MCGINRNV
Template: T118034
Prelogin: P577168
TSR: 728 - Shane Gambill
PB:
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG, TS 4ozClr-NoPres	Hold - Methyl Hg 4ozClr-NoPres									Rem./Contaminant	Sample # (lab only)
BLC001-G050-0-0.5FT	Comp	SS	0-0.5ft	161129	0850	2	X	X										01
-G050-0.5-1.0FT		SS	0.5-1.0ft		0945	2	X	X										02
-G050-1.0-1.5FT		SS	1.0-1.5FT		1005	2	X	X										03
-G050-1.5-2.0FT		SS	1.5-2.0FT		1020	2	X	X										04
-G049-0-0.5FT		SS	0-0.5FT		1045	2	X	X										05
-G049-0.5-1.0FT		SS	0.5-1.0FT		1055	2	X	X										06
-G049-1.0-1.5FT		SS	1.0-1.5FT		1105	2	X	X										07
-G049-1.5-2.0FT		SS	1.5-2.0FT		1115	2	X	X										08
-G055-0-0.5FT		SS	0-0.5FT		1230	2	X	X										09
-G055-0.5-1.0FT		SS	0.5-1.0FT		1240	2	X	X										10

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks:Freeze and hold "methyl mercury" pending Total Hg results.

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ____	Condition: (lab use only)
[signature]	12/01/16	10:00am			GW
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.3 °C Bottles Received: 8 4oz	COC Seal Intact: ✓Y ___N ___NA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12-2-16 Time: TW	pH Checked: / NCF:

McGinley & Assoc. - Reno, NV

815 Maestro Drive
Reno, NV 89511

Billing Information & Quote Number:

815 Maestro Dr.
Reno, NV 89511

Report to: **Ben Peterson**

Email To: **bpeterson@mcgin.com**

Project Description: Bella Vista Ranch

City/State Collected: Reno/NV

Phone: **775-829-2245**
Fax:

Client Project #: BLC001

Lab Project #: **MCGINRNV-PETERSON**

Collected by (print): Brian Kuhns

Site/Facility ID #:

P.O. #:

Collected by (signature):

Immediately Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
____ Same Day 200%
____ Next Day 100%
____ Two Day 50%
____ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 875923

Table #

Acctnum: **MCGINRNV**
Template: **T118034**
Prelogin: **P577168**
TSR: **728 - Shane Gambill**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG, TS 4ozClr-NoPres	Hold - Methyl Hg 4ozClr-NoPres									Rem./Contaminant	Sample # (lab only)
BLC001-6055-1.0-1.5FT	Comp	SS	1.0-1.5FT	161129	1250	2	X	X										11
-6055-1.5-2.0FT		SS	1.5-2.0FT		1300	2	X	X										12
-6053-0-0.5FT		SS	0-0.5FT		1350	2	X	X										13
-6053-0.5-1.0FT		SS	0.5-1.0FT		1400	2	X	X										14
-6053-1.0-1.5FT		SS	1.0-1.5FT		1410	2	X	X										15
-6053-1.5-2.0FT		SS	1.5-2.0FT		1420	2	X	X										16
-6048-0-0.5FT		SS	0-0.5FT		1450	2	X	X										17
-6048-0.5-1.0FT		SS	0.5-1.0FT		1500	2	X	X										18
-6048-1.0-1.5FT		SS	1.0-1.5FT		1510	2	X	X										19
-6048-1.5-2.0FT		SS	1.5-2.0FT		1520	2	X	X										20

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks:Freeze and hold "methyl mercury" pending Total Hg results.

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
	12/01/16	10:00am	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.3 °C Bottles Received: 80 4oz

Date: 12-2-16 Time: 900

Condition: (lab use only) a a

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF:

McGinley & Assoc. - Reno, NV

815 Maestro Drive
Reno, NV 89511

Billing Information & Quote Number:

815 Maestro Dr.
Reno, NV 89511

Report to: **Ben Peterson**

Email To: **bpeterson@mcgin.com**

Project Description: Bella Vista Ranch

City/State Collected: Reno/NV

Phone: **775-829-2245**
Fax:

Client Project #: BLC001

Lab Project #: **MCGINRNV-PETERSON**

Collected by (print): Brian Kuhns

Site/Facility ID #:

P.O. #:

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L # 875923

Table #

Acctnum: **MCGINRNV**
Template: **T118034**
Prelogin: **P577168**
TSR: **728 - Shane Gambill**
PB:

Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG, TS 4ozClr-NoPres	Hold - Methyl Hg 4ozClr-NoPres								Rem./Contaminant	Sample # (lab only)
BLC001-6045-0-0.5 FT	Comp	SS	0-0.5FT	161129	1550	2	X	X									21
-6045-0.5-1.0 FT		SS	0.5-1.0FT		1600	2	X	X									22
-6045-1.0-1.5FT		SS	1.0-1.5 FT		1610	2	X	X									23
-6045-1.5-2.0FT		SS	1.5-2.0FT		1620	2	X	X									24
-6039-0-0.5FT		SS	0-0.5FT	161130	0850	2	X	X									25
-6039-0.5-1.0FT		SS	0.5-1.0FT		0900	2	X	X									26
-6039-1.0-1.5FT		SS	1.0-1.5FT		0910	2	X	X									27
-6039-1.5-2.0FT		SS	1.5-2.0FT		0920	2	X	X									28
-6013-0-0.5FT		SS	0-0.5FT		1050	2	X	X									29
-6013-0.5-1.0FT		SS	0.5-1.0FT		1100	2	X	X									30

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks:Freeze and hold "methyl mercury" pending Total Hg results.

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ____	Condition: (lab use only)
[signature]	12/01/16	10:00am			
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.3 °C Bottles Received: 80 4oz	COC Seal Intact: ✓Y ___N ___NA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 12-2-16 Time: 900	pH Checked: / NCF:

McGinley & Assoc. - Reno, NV

815 Maestro Drive
Reno, NV 89511

Billing Information & Quote Number:

815 Maestro Dr.
Reno, NV 89511

Report to: **Ben Peterson**

Email To: bpeterson@mcgin.com

Project Description: Bella Vista Ranch

City/State Collected: NV-Reno

Phone: **775-829-2245**
Fax:

Client Project #: BLC001

Lab Project #: **MCGINRNV-PETERSON**

Collected by (print): Brian Kuhns

Site/Facility ID #:

P.O. #:

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 875423

Table #

Acctnum: **MCGINRNV**
Template: **T118034**
Prelogin: **P577168**
TSR: **728 - Shane Gambill**
PB:
Shipped Via: **FedEX Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG, TS 4ozClr-NoPres	Hold - Methyl Hg 4ozClr-NoPres								Rem./Contaminant	Sample # (lab only)
BLC001-G013-1.0-1.5FT	Comp	SS	1.0-1.5FT	161130	1110	2	X	X									31
-G013-1.5-2.0FT		SS	1.5-2.0FT		1120	2	X	X									32
-G014-0-0.5FT		SS	0-0.5FT		1140	2	X	X									33
-G014-0.5-1.0FT		SS	0.5-1.0FT		1150	2	X	X									34
-G014-1.0-1.5FT		SS	1.0-1.5FT		1200	2	X	X									35
-G014-1.5-2.0FT		SS	1.5-2.0FT		1210	2	X	X									36
-G017-0-0.5FT		SS	0-0.5FT		1220	2	X	X									37
-G017-0.5-1.0FT		SS	0.5-1.0FT		1230	2	X	X									38
-G017-1.0-1.5FT		SS	1.0-1.5FT		1240	2	X	X									39
-G017-1.5-2.0FT		SS	1.5-2.0FT		1250	2	X	X									40

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks:Freeze and hold "methyl mercury" pending Total Hg results.

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ____	Condition: (lab use only)
	12/01/16	10:00am			good
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.3 °C Bottles Received: 80 4oz	COC Seal Intact: ✓ Y ___N ___NA
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12-2-16 Time: 910	pH Checked: NCF:

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

Cooler Receipt Form

Client: MCGINRNV	SDG#	875923
Cooler Received/Opened On: 12/ 2 /16	Temperature Upon Receipt:	7.3 °c
Received By: Dakota Busby		
Signature:		

Receipt Check List	Yes	No	N/A
Were custody seals on outside of cooler and intact?	✓		
Were custody papers properly filled out?	✓		
Did all bottles arrive in good condition?	✓		
Were correct bottles used for the analyses requested?	✓		
Was sufficient amount of sample sent in each bottle?	✓		
Were all applicable sample containers correctly preserved and checked for preservation? (Any not in accepted range noted on COC)			✓
If applicable, was an observable VOA headspace present?			✓
Non Conformance Generated. (If yes see attached NCF)			

ANALYTICAL REPORT

January 13, 2017

McGinley & Assoc. - Reno, NV

Sample Delivery Group:	L877197
Samples Received:	12/02/2016
Project Number:	BLC001
Description:	Bella Vista Ranch
Report To:	Ben Peterson 815 Maestro Drive Reno, NV 89511

Entire Report Reviewed By:

Shane Gambill
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

TABLE OF CONTENTS

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[2]Tc: Table of Contents 2

[3]Cn: Case Narrative 3

[4]Gl: Glossary of Terms 4

[5]Al: Accreditations & Locations 5

[6]Sc: Chain of Custody 6

1 Cp
2 Tc
3 Cn
4 Gl
5 Al
6 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Shane Gambill
Technical Service Representative

Project Narrative

L877197 -01, -02, -03, -04, -05 contains subout data that is included after the chain of custody.

1 Cp
2 Tc
3 Cn
4 Gl
5 Al
6 Sc

Abbreviations and Definitions

SDG	Sample Delivery Group.

Qualifier	Description
	The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

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State Accreditations

Alabama	40660
Alaska	UST-080
Arizona	AZ0612
Arkansas	88-0469
California	01157CA
Colorado	TN00003
Conneticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1]	90010
Kentucky [2]	16
Louisiana	AI30792
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico	TN00003
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [2]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	221
South Carolina	84004
South Dakota	n/a
Tennessee [1 4]	2006
Texas	T 104704245-07-TX
Texas [5]	LAB0152
Utah	6157585858
Vermont	VT2006
Virginia	109
Washington	C1915
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003
AIHA	100789
DOD	1461.01
USDA	S-67674

[1.] Drinking Water [2.] Underground Storage Tanks [3.] Aquatic Toxicity [4.] Chemical/Microbiological [5.] Mold [n/a] Accreditation not applicable

Our Locations

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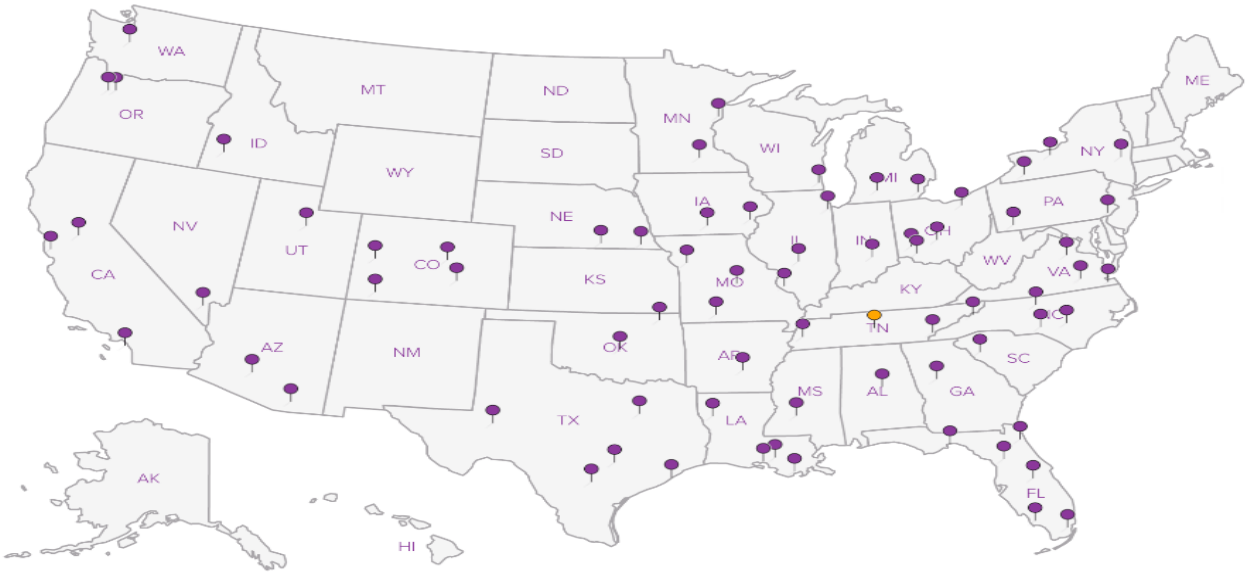

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Lab Project # MCGINRNV-PETERSON

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Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ... 200%
___ Next Day ... 100%
___ Two Day ... 50%
___ Three Day ... 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Chain of Custody Page ___ of ___

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# ~~875427~~

Table # L877197

Acctnum: MCGINRNV

Template: T118034

Prelogin: P577168

TSR: 728 - Shane Gambill

PB:

Shipped Via: FedEX Ground

N 12/8/16

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG, TS 4ozClr-NoPres	Hold - Methyl Hg 4ozClr-NoPres									Rem./Contaminant	Sample # (lab only)
BLC001-6055-1.0-1.5FT	Comp	SS	1.0-1.5FT	161129	1250	2	X	X										11
-6055-1.5-2.0FT		SS	1.5-2.0FT		1300	2	X	X										12
-6053-0-0.5FT		SS	0-0.5FT		1350	2	X	X									-01	13
-6053-0.5-1.0FT		SS	0.5-1.0FT		1400	2	X	X										14
-6053-1.0-1.5FT		SS	1.0-1.5FT		1410	2	X	X										15
-6053-1.5-2.0FT		SS	1.5-2.0FT		1420	2	X	X										16
-6048-0-0.5FT		SS	0-0.5FT		1450	2	X	X									-02	17
-6048-0.5-1.0FT		SS	0.5-1.0FT		1500	2	X	X										18
-6048-1.0-1.5FT		SS	1.0-1.5FT		1510	2	X	X										19
-6048-1.5-2.0FT		SS	1.5-2.0FT		1520	2	X	X										20

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks: Freeze and hold "methyl mercury" pending Total Hg results.

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	12/01/16	10:00am	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ _____

Temp: 3.3 °C Bottles Received: 80 4oz

Date: 12-2-16 Time: 9W

Condition: (lab use only) a a

COC Seal Intact: ✓ Y ___N ___NA

pH Checked: NCF:

McGinley & Assoc. - Reno, NV

815 Maestro Drive
Reno, NV 89511

Billing Information & Quote Number:

815 Maestro Dr.
Reno, NV 89511

Report to: Ben Peterson

Email To: bpeterson@mcgin.com

Project Description: Belka Vista Ranch

City/State Collected: Reno/NV

Phone: 775-829-2245
Fax:

Client Project #: BLC001

Lab Project #: MCGINRNV-PETERSON

Collected by (print): Brian Kohns

Site/Facility ID #:

P.O. #:

Collected by (signature): Brian Kohns

Immediately Packed on Ice: N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# ~~895909~~ 877197

Table # 877197

Acctnum: MCGINRNV

Template: T118034

Prelogin: P577168

TSR: 728 - Shane Gambill

PB:

Shipped Via: FedEX Ground

N 12/8/16

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG, TS 4ozClr-NoPres	Hold - Methyl Hg 4ozClr-NoPres									Rem./Contaminant	Sample # (lab only)
BLC001-6045-0-0.5FT	Comp	SS	0-0.5FT	161129	1550	2	X	X										~~21~~
-6045-0.5-1.0FT		SS	0.5-1.0FT		1600	2	X	X										~~22~~
-6045-1.0-1.5FT		SS	1.0-1.5FT		1610	2	X	X										~~23~~
-6045-1.5-2.0FT		SS	1.5-2.0FT		1620	2	X	X										~~24~~
-6039-0-0.5FT		SS	0-0.5FT	161130	0850	2	X	X										~~28~~
-6039-0.5-1.0FT		SS	0.5-1.0FT		0900	2	X	X									03	~~26~~
-6039-1.0-1.5FT		SS	1.0-1.5FT		0910	2	X	X									04	~~27~~
-6039-1.5-2.0FT		SS	1.5-2.0FT		0920	2	X	X										~~28~~
-6013-0-0.5FT		SS	0-0.5FT		1050	2	X	X										~~29~~
-6013-0.5-1.0FT		SS	0.5-1.0FT		1100	2	X	X										~~30~~

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

Remarks: Freeze and hold "methyl mercury" pending Total Hg results.

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ____	Condition: (lab use only)
Brian Kohns	12/01/16	10:00am			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.3 *C Bottles Received: 80 4oz	COC Seal Intact: ✓ Y ___N ___NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 12-2-16 Time: 900	pH Checked: / NCF:

McGinley & Assoc. - Reno, NV

815 Maestro Drive
Reno, NV 89511

Billing Information & Quote Number:

815 Maestro Dr.
Reno, NV 89511

Report to: Ben Peterson

Email To: bpeterson@mcgin.com

Project Description: Bella Vista Ranch

City/State Collected: NV-Reno

Phone: 775-829-2245

Fax:

Client Project #: BLC001

Lab Project #: MCGINRNV-PETERSON

Collected by (print): Brian Kuhns

Site/Facility ID #:

P.O. #:

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? ___No X__Yes
FAX? ___No ___Yes

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 375497

Table # L877197

N 12/8/16

Acctnum: MCGINRNV
Template: T118034
Prelogin: P577168
TSR: 728 - Shane Gambill
PB:
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	HG, TS 4oz Clr-NoPres	Hold - Methyl Hg 4oz Clr-NoPres	Rem./Contaminant	Sample # (lab only)
BLC001-G013-1.0-1.5FT	Comp	SS	1.0-1.5FT	161130	1110	2	X	X		31
-G013-1.5-2.0FT		SS	1.5-2.0FT		1120	2	X	X		32
-G014-0-0.5FT		SS	0-0.5FT		1140	2	X	X		33
-G014-0.5-1.0FT		SS	0.5-1.0FT		1150	2	X	X	-05	34
-G014-1.0-1.5FT		SS	1.0-1.5FT		1200	2	X	X		35
-G014-1.5-2.0FT		SS	1.5-2.0FT		1210	2	X	X		36
-G017-0-0.5FT		SS	0-0.5FT		1220	2	X	X		37
-G017-0.5-1.0FT		SS	0.5-1.0FT		1230	2	X	X		38
-G017-1.0-1.5FT		SS	1.0-1.5FT		1240	2	X	X		39
-G017-1.5-2.0FT		SS	1.5-2.0FT		1250	2	X	X		40

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other ___

pH ___ Temp ___
Flow ___ Other ___

Remarks: Freeze and hold "methyl mercury" pending Total Hg results.

Hold #:

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
[signature]	12/01/16	10:00am	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
			[signature]

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ ___

Temp: 3.3 °C Bottles Received: 80 4oz

Date: 12-2-16 Time: 900

Condition: (lab use only) Good

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF:

Andy Vann

From: Jason Romer
Sent: Thursday, December 08, 2016 9:28 AM
To: Login; Subouts
Cc: Shane Gambill; Sample Storage
Subject: L875923 - MCGINRNV - relog for Subout

Please relog L875923-13, -17, -26, -27 and -34 for MISC-SUB (Methyl-Mercury). Please log as R5 due Friday, 12/16.

Sample Storage – please locate a 4oz jar for each of these five samples to be labeled in Login.

Thanks,
Jason

From: Ben Peterson [mailto:bpeterson@mcgin.com]
Sent: Wednesday, December 07, 2016 5:47 PM
To: Jason Romer
Cc: Shane Gambill
Subject: Fwd: ESC Lab Sciences Report for BLC001 Bella Vista Ranch L875923

Hello Jason-

Please analyze the following five samples for Methyl-mercury:

BLC001-G014-0.5-1.0FT L875923-34
BLC001-G039-0.5-1.0FT L875923-26
BLC001-G039-1.0-1.5FT L875923-27
BLC001-G048-0-0.5FT L875923-17
BLC001-G053-0-0.5FT L875923-13

Please let me know if you have any questions or need any additional information.

Thanks,
Ben

Benjamin Peterson, PG, CEM
McGinley & Associates, Inc.
815 Maestro Drive
Reno, NV 89511
ph: 775-829-2245
cell: 775-386-5406
fax: 775-829-2213
email: bpeterson@mcgin.com
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