# ADDITIONAL SOIL ASSESSMENT

## ASSESSOR'S PARCEL NOS. 113-49-002B, 113-49-027A, & 113-49-027D
## Nogales, Arizona

JULY 8, 2017

PREPARED FOR:

TRUST #7569 PROPERTY, LLC

885 WEST BELL ROAD, SUITE 100
NOGALES, ARIZONA 85621

Allwyn CONSULTANTS.
2223 SOUTH 48TH STREET, SUITE A, TEMPE, AZ 8528
PHONE: 602-900-4941

ALLWYN CONSULTANTS PROJECT NO. 0183-0001

**TABLE OF CONTENTS**

# 1.0 INTRODUCTION

## 1.1 PROJECT BACKGROUND

Allwyn Consultants (Allwyn) was retained by Trust #7689 Property, LLC (Client) to conduct additional Phase II Environmental Site Assessment (ESA) services at a portion of the Santa Cruz County Assessor's Parcel Numbers (APNs) 113-49-002B, 113-49-027A, and 113-49-027D in Nogales, Arizona (herein referred to as the Property in this report). The purpose of this work was to further assess the vertical and lateral extent of lead impacts in Property soil resulting from the operation of a former small arms firing range located adjacent to and south of the Property (See Figure 1 for a vicinity map of the additional assessment area). . The small arms firing range previously operated on a site located at 1651 West Target Range Road in Nogales, Arizona (Parcel No. 113-29-010B).

## 1.2 PROPERTY BACKGROUND

Allwyn conducted several Phase I ESAs for Santa Cruz County on several parcels located in the vicinity of the shooting range formerly used by the United States Border Patrol. Allwyn observed bullet fragments on the sites adjacent to the Border Patrol shooting range during the site reconnaissance for the Phase I ESAs. Bullet fragments varied in size and were observed in the wash and hillside directly behind the shooting range. Because bullet fragments can result in elevated concentrations of lead in the soil, Allwyn recommended further assessment of the soil to evaluate the extent and magnitude of potential lead impact of the soil.

Santa Cruz County retained Allwyn Environmental to perform a Phase II ESA at two parcels (Parcel Nos. 113-49-006 and 113-49-027) located immediately west of the small arms firing range to assess potential impacts to the soil related to operation of the shooting range,. The Phase II ESA field activities and results were summarized in the Allwyn Environmental December 11, 2009 Phase II ESA report titled *Phase II Environmental Site Assessment, Two Properties Impacted by Small Arms Shooting Range, (Parcel Nos. 113-49-006 and 113-49-027)* (Allwyn Environmental Project No. 010-025). The following is a summary of the activities and results for the 2009 Phase II ESA.

A sampling grid consisting of 135 50-foot by 50-foot sampling cells was established across the site to include areas where bullet fragments were observed. In addition, there is a dry wash located adjacent to the shooting range and sample locations were established within the dry wash at 100-foot intervals to a distance of approximately 1,000 feet northeast of the shooting range. Several EPA guidance documents, particularly TRW Recommendations for Performing Human Health Risk Analysis on Small Arms Shooting Ranges; EPA; 2003 were used to guide sampling and analysis protocol and procedures. Based on this guidance, constituents of concern are lead, antimony, arsenic, and polynuclear aromatic hydrocarbons (PAHs) in the fine fraction of soil (soil passing through a 250 µm sieve). Assessment was completed to attempt to define the vertical and horizontal extent of constituents of concern in concentrations exceeding State of Arizona residential Soil Remediation Levels (SRLs).

Soil samples from 51 of the 135 sampling cells contained lead in a concentration above the State of Arizona residential SRL of 400 milligrams per kilogram (mg/kg) and, of these 51 sampling cells, 33 contained lead in a concentration above the non-residential SRL of 800 mg/kg. Subsurface soil samples from 28 of the 135 sampling cells contained lead in a concentration above the residential SRL and, of these 28 sampling cells, 14 contained lead in a concentration above the non-residential SRL.

Soil samples from one of the 135 sampling cells contained antimony in a concentration above the residential SRL. Soil samples from two of the 135 sampling cells contained one PAH, benzo(a)pyrene, in a concentration above the residential SRL for the $10^{-6}$ excess lifetime cancer risk level.

The horizontal extent of lead impacts in the assessment area was generally defined to the west of the shooting range, but was not defined to the north and south of the shooting range. The vertical extent of lead impacts was not defined. Time and budget constraints prevented additional site assessment necessary to define the horizontal and vertical extents. Therefore, additional site assessment, consisting of further surface and subsurface sample collection and analysis, would be required to fully delineate the lead impacts on the surrounding properties due to activities conducted on the small arms shooting range.

Antimony and PAHs, while present in soil samples above the residential SRLs, in two and one sampling cells, respectively, were present only in cells in which lead was also present in soil samples in a concentration above residential SRLs. Therefore, lead should be considered the target contaminant of concern for further assessment and/or remediation at the site.

The extent of lead impacts in the wash immediately behind the small arms shooting range has been delineated. Lead was present at a concentration above the non-residential SRL in the wash soil extending to a distance between 250 feet and 300 feet northeast (downstream) of the small arms shooting range and above residential SRLs between 450 and 500 feet northeast (downstream) of the small arms shooting range. Antimony and PAHs were not present in concentrations above their respective residential SRLs in samples collected from the wash. Therefore, lead should be considered to be the target contaminant of concern for further assessment and/or remediation in the wash.

Two samples from two sampling cells (40 and 71) containing lead above the non-residential SRL (2,200 mg/kg and 3,400 mg/kg, respectively) and one sampling cell (48) containing lead above the residential SRL were further analyzed using the Toxicity Characteristic Leaching Procedure (TCLP) to evaluate the hazardous waste classification of on-site soil (EPA Methods 1311/6010B). The samples collected for the hazardous waste classification demonstrated that the unscreened material and material passing through the #8 sieve would be classified as a hazardous waste based on lead toxicity (D008 waste code). In addition, one sample collected from material passing through the 50 sieve (WD-5) also demonstrated the hazardous waste characteristic for lead following TCLP analysis. Based on the analytical results, Allwyn concluded:

- Site soil containing lead in a concentration greater than the residential SRL of 400 mg/kg would likely be considered a hazardous waste for disposal purposes.
- The extract from material passing through a #8 sieve still contained a sufficient lead concentration such that the screened soil would still be considered a hazardous waste for disposal purposes. For one of the three hazardous waste classification samples, the extract from material passing through a #50 sieve still contained a sufficient lead concentration such that the screened solid would still be considered a hazardous waste for disposal purposes. Therefore, screening of excavated soil to reduce off-site disposal volume of material classified as a hazardous waste during remediation activities would likely not be successful.

Based on the results of the Phase II ESA, Allwyn Environmental recommended the following additional activities be conducted at the site:

1. Additional assessment should be conducted to define the vertical extent of lead impacts and horizontal extent of lead impacts to the north and south of the small arms shooting range.
2. Site soil cleanup standards (i.e., residential SRL and non-residential SRL) should be established based on considerations such as future site use, deed restriction, and cost and feasibility of remediation to meet the selected cleanup standard.
3. A remedial plan should be developed and should include assessment of feasible remediation options to cleanup soil to the standards considered in Recommendation No. 2 above. The evaluation should take into account the Phase II ESA result that soil containing lead in a concentration above the residential SRL of 400 mg/kg will likely require disposal as a hazardous waste under waste code D008. Alternative remedial options such as physical separation, excavation and off-site disposal, stabilization, phytoremediation, and soil washing should be considered in the evaluation.
4. Remedial action at the site should be conducted using lead as the constituent of concern.
5. Remediation should likely be conducted under the Arizona Department of Environmental Quality (ADEQ) Voluntary Remediation Program (VRP).

Mr. Joe Barr, co-owner of Trust #7659 Property, LLC requested Allwyn perform additional soil assessment activities to further evaluate the extent of lead impact to soils in limited areas of Parcel Nos. 113-49-002B, 113-49-027A, and 113-49-027D that were not previously assessed. This report presents our methodology and results of the additional assessment activities.

### 1.3 SCOPE OF SERVICES

Allwyn's scope of services was detailed in our proposal dated March 1, 2017. In general, our Phase II ESA services included reviewing the previous documents; preparation of a site-specific Health and Safety Plan (HASP); collecting initial soil samples; collecting additional soil samples based on the analytical results from the initial sampling events; laboratory testing of soil samples; evaluating the data; and preparing this report.

No significant deviations from the planned scope of services occurred, except based on the analytical results from the initial sampling events we recommended additional soil sampling and testing at the Property.

### 1.4 USER RELIANCE

This document and the information contained herein have been prepared solely for the use of Trust #7689 Property, LLC, its successors and/or related assigns and any affiliates thereof, in evaluating the Property relating to this report (the "Property"). This report may be further relied upon by any Lenders in determining whether to make one or more mortgage loans and/or mezzanine loans (collectively, as such loans may be componentized and/or resized, the "Loan") evidenced by one or more notes (collectively, the "Note") which is secured, directly and/or indirectly, by the Property. Any reliance on this report by other parties shall be at such party's sole risk. Any future consultation or provision of services to third parties related to the Property may be provided at Allwyn's sole discretion and under terms and conditions acceptable to Allwyn, including additional compensation.

# 2.0 SITE ASSESSMENT ACTIVITIES

## 2.1 HEALTH AND SAFETY PLAN (HASP) AND PREPARATION FOR FIELD WORK

A site-specific HASP was developed and prepared in general agreement with 29 CFR 1910. The purpose of the plan was to assign responsibilities, to establish personnel protection standards and mandatory safety practices and procedures, and to provide for contingencies that may arise while operations are conducted at the Property. A copy of the HASP was reviewed by appropriate personnel and kept on-site during field activities. The potential hazards were discussed with the field crew prior to the start of the field work.

## 2.2 FIELD ASSESSMENT

The field assessment was conducted in several phases on several days from April 4, 2017 through June 5, 2017. Sampling locations and the laboratory results from the additional assessment are presented in Table 2. Laboratory analytical reports are provided in Appendix A. Sampling locations are shown on the attached Figures 3 and 4 and are discussed in the paragraphs below.

### 2.2.1 April 4, 2017 Soil Sampling

Allwyn was provided a site plan with a 150-foot by 150-foot coordinate grid established across the additional area of suspected impact from the shooting range. Prior to field activities, the client surveyed and marked the grid points on the ground surface. On April 4, 2017, Holly Land, Adriane Gora, and Tom Ross of Allwyn conducted initial field work associated with the soil sample collection in 17 grid locations (Grid Nos. G1 through G17). Discrete surface soil samples (collected from 0 inch to 1 inch bgs) were collected from four locations within each 150-foot by 150-foot. In addition, the client requested Allwyn collect three discrete soil samples from two berms that were reportedly used to divert the natural course of the wash (six discrete samples total).

The surface samples were collected with a stainless-steel hand trowel by scraping the upper 1 inch of the ground surface over an approximately 0.5 square foot area and placing the material into a ziplock bag for transport to the Allwyn office in Tempe, Arizona for compositing and sieving. The discrete soil samples collected from the two berm locations were collected by scraping the upper 1 inch of berm soil over an approximately 0.5 square foot area and placing the material into a ziplock bag to be sieved in the Allwyn office in Tempe, Arizona sieving.

At Allwyn's soil laboratory, the four discrete soil samples collected from each 150-foot by 150-foot grid location were mixed in a mixing bowl to form a composite sample representative of the soil in the 150-foot by 150-foot sample grid. The composite sample was then screened twice as recommended in TRW Recommendations for Performing Human Health Risk Analysis on Small Arms Shooting Ranges. The composite sample was first screened with a No. 4 (4.75 mm) or No. 10 (2.00 mm) sieve to remove bulk debris, and then with a No. 50 (300 µm) sieve to produce the fine fraction. The three discrete soil samples from each of the two berms were also screened as discussed above, but were not composited.

The screened sample was then placed in a 4-ounce glass jar and the jar screw threads will be wiped with a clean, unused tissue to remove any sample residue that may adhere to the jar thread and that could affect the seal. Sample containers were filled to the top, taking care to prevent soil from remaining in

the lid threads prior to being closed to prevent potential contaminant migration to or from the sample. The jars containing the samples were labeled with unique sample numbers. These identification numbers, sample date and time, selected analytical parameters, and the name of the sampling personnel were recorded on a chain-of-custody record. The chain-of-custody record accompanied the samples from sample collection until the samples were transferred to the analytical laboratory representative.

Upon receipt of the laboratory analytical report, Allwyn reviewed the results from the April 4, 2017 sample collection. The laboratory analytical results indicated that lead concentrations exceeded the residential SRL for lead of 400 mg/kg in the composite samples collected from Grid Nos. G9, G10, G11, G12, G13, G14, G15, and G16. In addition, lead exceeded the non-residential SRL of 800 mg/kg in the composite samples collected from Grid Nos. G9, G10, G11, G14, and G15.

As shown on Table 2, sample number Berm2-2 collected from Berm #2 had concentrations of lead exceeding the residential SRL. Each of the samples collected from Berm #1 had concentrations of lead exceeding the non-residential SRL.

Based on the analytical results, the vertical and lateral extents of lead impact were not defined at 0 inch to 1 inch bgs. Allwyn recommended additional assessment of deeper samples (from 3 inches to 4 inches bgs, referred to as subsurface samples) in Grid Nos. G9 through G16 to further assess the vertical and lateral extent of lead impact. Allwyn also recommended collecting additional surface samples to further define the lateral extent of lead impact south of Grid Nos. G9 through G16.

### 2.2.2 May 3, 2017 Soil Sampling

Prior to additional soil assessment activities, the client surveyed and marked additional grid points on the ground surface. Fifteen additional 150-foot by 150-foot grids (Grid Nos. G18 through G32) were established south of Grid Nos. G9 through G16 to further assess lead impacts to soil.

On May 3, 2017, Holly Land, Adriane Gora, and Tom Ross of Allwyn collected additional samples in Grid Nos. G18 through G32. Discrete surface soil samples bgs from each of the additional grid locations, using the same sampling methodology used in the April 4, 2017 field activities. Subsurface soil samples were also collected in the grids with lead concentrations exceeding residential or non-residential SRLs at 0 inch to inch bgs (Grid Nos. G9 through G16) collected on April 4, 2016. The client also requested subsurface discrete soil samples (3 to 4 inches below berm surface) be collected from the three locations in each of the two berms.

### 2.2.3 June 5, 2017 Soil Sampling

On June 5, 2017, Holly Land, Adriane Gora, and Natalie Posdaljian of Allwyn conducted field work to further define the lateral extent of lead impacted soil. In Grid No. G19 alone, Allwyn sampled at both 0 to 1 inch bgs depth and the 3 to 4 inch bgs depth. Allwyn divided Grid No. G19 into nine equal sized coordinate sub-grids (G19-A through G18-I). Each of the nine coordinate sub-grids were approximately 50 feet by 50 feet. A composite sample was collected from the surface and a second composite sample was collected from the subsurface from within each of the nine 5-foot by 50-foot coordinate sub-grids in Grid No. G19. Each of the 18 composite samples (nine surface and nine subsurface) were compromised of four discrete samples collected within each 50-foot by 50-foot coordinate sub-grid at each sample depth (total 72 discrete samples into 18 composite samples).

Allwyn also further assessed soil at 3 to 4 inches bgs in the primary grids with detected concentrations of lead greater than 100 mg/kg, including Grid Nos. G4, G7, G8, G17, G18, G20, G28, and G29. Allwyn collected one composite sample in each 150-foot by 150-foot primary grid at a depth of 3 to 4 inches bgs. These composite samples were collected using the same sampling protocol for the primary grids in the initial sampling, by collecting 4 discrete samples and compositing into one sample per primary grid (total 32 discrete samples into 8 composite samples).

## 2.3 ANALYTICAL LABORATORY TESTING

Collected samples were relinquished by Allwyn to an ESC Lab Sciences (ESC) employee along with chain-of-custody documentation. Assessment samples were submitted to ESC (Arizona Department of Health Services (ADHS) License Number AZ0612) for analysis.

The laboratory was requested to analyze the samples for total lead using Environmental Protection Agency (EPA) Method 6010B. The sample results are summarized in Table 2 and in Section 3 below. Copies of the laboratory reports and chain-of-custody documentation for the samples are presented in Appendix A. The laboratory report indicates the analytical methods performed, test results, sample collection dates, sample extraction dates, sample analysis dates, and reporting limits for each analytical method.

# 3.0 RESULTS AND CONCLUSIONS

## 3.1 REGULATORY STANDARDS

Soil remediation in Arizona is regulated under the soil remediation rules promulgated by the Arizona Department of Environmental Quality (ADEQ) in December 1997 and revised in May 2007. ADEQ was directed by statute to create risk-based soil remediation standards. The SRLs are risk-based levels calculated using the EPA Region IX Preliminary Remediation Goals (PRG) guidance. The SRLs are based on toxicological characteristics of a number of compounds and were calculated considering inhalation, dermal, and ingestion routes of exposure. For contaminants without proven human carcinogenic effects, the lifetime excess cancer risk is $10^{-5}$, and for known human carcinogens, the lifetime excess cancer risk is $10^{-6}$. SRLs were initially established for both residential and non-residential exposures. The 2007 rule revisions included some changes to the residential and non-residential SRL numeric standards and also added a new category of regulatory limits for school and daycare facilities that are lower than the residential SRLs. The SRLs are used for soil assessment and remediation provided groundwater is protected from impact.

Most test results are compared to the residential SRLs, because there are additional regulatory requirements for remediation to the non-residential SRLs. As requested, we also included the non-residential SRLs based on the current and future commercial usage of the Property.

## 3.2 RESULTS AND CONCLUSIONS

In 2009, Allwyn initially collected surface and subsurface samples from 67 cells on the Property. Based on the results of this initial assessment, Allwyn recommended that further assessment be conducted to define the vertical extent of lead impacted soil. Additional surface and subsurface samples were collected from 32 sampling cells and were analyzed for lead using EPA Method 6010B. A summary of the analytical results for lead in surface and subsurface samples for assessment activities conducted in 2009 and 2017 is provided in Tables 1 and 2 and summarized below:

**Surface Samples (Collected 0-1 inches below ground surface)**

- The horizontal and vertical extent of soil impacted by lead at a concentration greater than the residential SRL of 400 mg/kg in surface samples collected from the Property has been defined to include the following cells:
  - 1, 5, 6, 10, 15-19, 23-27, 31-35, 39, 40-42, 46-50, 52-55, 71, 72, 74, 75, 77-89, 90, 92, 93, and 95 to the west and south of the firing range.
  - G9, G10, G11, G12, G13, G14, G15, G16, and sub-cells B, C, E, F, G, and H within Grid G19 to the south of the firing range.
- The horizontal and vertical extent of soil impacted by lead at a concentration greater than the non-residential SRL of 800 mg/kg in surface samples collected from the Property has been defined to include the following cells:
  - 5, 10, 15, 16, 23, 24, 26, 31-34, 39-41, 46, 47, 52, 71, 72, 74, 77-84, 86, 88, 89, 92, and 93 to the west and south of the firing range.
  - G9, G10, G11, G14, G15, and sub-cells C and F within cell G19 to the south of the firing range.

**Subsurface Samples (Collected 3-4 inches below ground surface)**

- The horizontal and vertical extent of soil impacted by lead at a concentration greater than the residential SRL of 400 mg/kg in subsurface samples collected from the Property has been defined to include the following cells:
  - 1, 5, 6, 11, 15, 16, 23, 24, 31, 32, 39, 40, 71-74, 75, 77-88 to the west and south of the firing range.
  - G9, G10, G11, G13, G14, G15, and sub-cells B, C, E, F, and G within Grid G19 to the south of the firing range.
- The horizontal and vertical extent of soil impacted by lead at a concentration greater than the non-residential SRL of 800 mg/kg in subsurface samples collected from the Property has been defined to include the following cells:
  - 1, 5, 15, 16, 71, 72, 74, and 77-86 to the west and south of the firing range.
  - G9, G10, G11, G13, G14, G15, and sub-cells C and F within cell G19 to the south of the firing range.

If lead impacted grids are not excluded and future development is planned on these sampling cells, site soil cleanup standards (i.e., residential SRL and non-residential SRL) should be established based on considerations such as future site use, deed restriction, and cost and feasibility of remediation to meet the selected cleanup standards. The developed remedial plan should include assessment of feasible remediation options to cleanup soil to the standards considered based on future site use, deed restriction, and cost and feasibility of remediation to meet the selected cleanup standards. The evaluation should take into account the additional soil assessment results that soil containing lead in a concentration above the residential SRL of 400 mg/kg will likely require disposal as a hazardous waste under waste code D008. Alternative remedial options such as excavation and off-site disposal, stabilization, phytoremediation, and soil washing should be considered in the evaluation and should be conducted using lead as the constituent of concern. We further recommend that site remediation be conducted under the ADEQ Voluntary Remediation Program (VRP).

## 4.0 LIMITATIONS

Allwyn has performed our services for this project for Trust #7659 Property, LLC in accordance with our proposal dated March 1, 2017. These services were performed to the degree of skill and diligence normally employed by experienced professionals performing the same or similar services in the same geographic area at the time the services were performed. No other guarantees or warranties are expressed or implied.

This assessment was conducted to permit Allwyn to render a professional opinion regarding the likelihood of contamination on, in, or beneath the subject Property. The observation, sampling, and testing described in this report represent Property conditions only at specific locations and times designated. No assessment is thorough or exhaustive enough to wholly eliminate uncertainty regarding the potential for environmental contamination in connection with the Property. In addition, the level of inquiry for each assessment is variable, consistent with good commercial or customary practice, and will consider the type of property subject to assessment, the expertise and risk tolerance of the user, and the information developed in the course of the inquiry.

Allwyn has reviewed and relied on written documents, oral statements, and observations made by others. We have assumed this information is true, correct, accurate, and complete, and we have not conducted an independent examination of the materials and statements. Allwyn shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed, or for items that were not visible, accessible, or present on the Property and adjoining sites at the time of the site reconnaissance or field work.

Environmental regulatory criteria are continually changing. Therefore, environmental conditions, such as contaminant concentrations in certain media that are considered legal and acceptable at the time of this report may in the future be subject to different regulatory standards. Professional opinions and judgments expressed in this assessment are based on our understanding and interpretations of current regulatory standards and practices. This report is not meant to provide or represent legal opinions.

This document and the information contained herein have been prepared solely for the use of Trust #7659 Property, LLC, its successors and/or related assigns and any affiliates thereof, in evaluating the Property relating to this report (the “Property”). This report may be further relied upon by any Lenders in determining whether to make one or more mortgage loans and/or mezzanine loans (collectively, as such loans may be componentized and/or resized, the “Loan”) evidenced by one or more notes (collectively, the “Note”) which is secured, directly and/or indirectly, by the Property. Any reliance on this report by other parties shall be at such party’s sole risk. Any future consultation or provision of services to third parties related to the Property may be provided at Allwyn’s sole discretion and under terms and conditions acceptable to Allwyn, including additional compensation.

# TABLES

**TABLE 1**
**SUMMARY OF TOTAL LEAD IN SOIL SAMPLES AND SOIL REMEDIATION LEVELS (SRLs)**
**(2009 SAMPLES)**

| Sample Number | Units | Sample Depth (inches bgs) | Analytical Result | Residential SRL | Non-Residential SRL |
|---|---|---|---|---|---|
| 1D | mg/kg | 3-4 | 820 | 400 | 800 |
| 1S | mg/kg | 0-1 | 700 | 400 | 800 |
| 2S | mg/kg | 0-1 | 380 | 400 | 800 |
| 3S | mg/kg | 0-1 | 260 | 400 | 800 |
| 4S | mg/kg | 0-1 | 160 | 400 | 800 |
| 5S | mg/kg | 0-1 | 2,600 | 400 | 800 |
| 5D | mg/kg | 3-4 | 4,300 | 400 | 800 |
| 6S | mg/kg | 0-1 | 420 | 400 | 800 |
| 6D | mg/kg | 3-4 | 530 | 400 | 800 |
| 7S | mg/kg | 0-1 | 280 | 400 | 800 |
| 8S | mg/kg | 0-1 | 140 | 400 | 800 |
| 9S | mg/kg | 0-1 | 85 | 400 | 800 |
| 10S | mg/kg | 0-1 | 1,300 | 400 | 800 |
| 10D | mg/kg | 3-4 | 310 | 400 | 800 |
| 11S | mg/kg | 0-1 | 320 | 400 | 800 |
| 11D | mg/kg | 3-4 | 410 | 400 | 800 |
| 12S | mg/kg | 0-1 | 280 | 400 | 800 |
| 13S | mg/kg | 0-1 | 150 | 400 | 800 |
| 14S | mg/kg | 0-1 | 97 | 400 | 800 |
| 15S | mg/kg | 0-1 | 25,000 | 400 | 800 |
| 15D | mg/kg | 3-4 | 12,000 | 400 | 800 |
| 16S | mg/kg | 0-1 | 2,000 | 400 | 800 |
| 16D | mg/kg | 3-4 | 5,200 | 400 | 800 |
| 17S | mg/kg | 0-1 | 420 | 400 | 800 |
| 17D | mg/kg | 3-4 | 190 | 400 | 800 |
| 18S | mg/kg | 0-1 | 500 | 400 | 800 |
| 18D | mg/kg | 3-4 | 260 | 400 | 800 |
| 19S | mg/kg | 0-1 | 550 | 400 | 800 |
| 19D | mg/kg | 3-4 | 160 | 400 | 800 |
| 20S | mg/kg | 0-1 | 290 | 400 | 800 |
| 21S | mg/kg | 0-1 | 100 | 400 | 800 |
| 22S | mg/kg | 0-1 | 120 | 400 | 800 |
| 23S | mg/kg | 0-1 | 1,500 | 400 | 800 |
| 23D | mg/kg | 3-4 | 680 | 400 | 800 |
| 24S | mg/kg | 0-1 | 870 | 400 | 800 |
| 24D | mg/kg | 3-4 | 570 | 400 | 800 |
| 25S | mg/kg | 0-1 | 550 | 400 | 800 |
| 25D | mg/kg | 3-4 | 360 | 400 | 800 |

**Key:**
Total lead analyzed using EPA Method 6010B
Shaded cell value exceeds residential SRL
Shaded cell value exceeds non-residential SRL
bgs – Below ground surface
mg/kg – milligrams per kilogram
SRL – Soil Remediation Level

**TABLE 1**
**SUMMARY OF TOTAL LEAD IN SOIL SAMPLES AND SOIL REMEDIATION LEVELS (SRLs)**
**(2009 SAMPLES)**

| Sample Number | Units | Sample Depth (inches bgs) | Analytical Result | Residential SRL | Non-Residential SRL |
|---|---|---|---|---|---|
| 26S | mg/kg | 0-1 | 970 | 400 | 800 |
| 26D | mg/kg | 3-4 | 340 | 400 | 800 |
| 27S | mg/kg | 0-1 | 550 | 400 | 800 |
| 27D | mg/kg | 3-4 | 230 | 400 | 800 |
| 28S | mg/kg | 0-1 | 240 | 400 | 800 |
| 29S | mg/kg | 0-1 | 150 | 400 | 800 |
| 30S | mg/kg | 0-1 | 140 | 400 | 800 |
| 31S | mg/kg | 0-1 | 2,000 | 400 | 800 |
| 31D | mg/kg | 3-4 | 560 | 400 | 800 |
| 32S | mg/kg | 0-1 | 1,600 | 400 | 800 |
| 32D | mg/kg | 3-4 | 430 | 400 | 800 |
| 33S | mg/kg | 0-1 | 1,300 | 400 | 800 |
| 33D | mg/kg | 3-4 | 190 | 400 | 800 |
| 34S | mg/kg | 0-1 | 870 | 400 | 800 |
| 34D | mg/kg | 3-4 | 260 | 400 | 800 |
| 35S | mg/kg | 0-1 | 480 | 400 | 800 |
| 35D | mg/kg | 3-4 | 180 | 400 | 800 |
| 36S | mg/kg | 0-1 | 260 | 400 | 800 |
| 36D | mg/kg | 3-4 | 140 | 400 | 800 |
| 37S | mg/kg | 0-1 | 210 | 400 | 800 |
| 37D | mg/kg | 3-4 | 65 | 400 | 800 |
| 38S | mg/kg | 0-1 | 130 | 400 | 800 |
| 39S | mg/kg | 0-1 | 1,100 | 400 | 800 |
| 39D | mg/kg | 3-4 | 440 | 400 | 800 |
| 40S | mg/kg | 0-1 | 2,200 | 400 | 800 |
| 40D | mg/kg | 3-4 | 420 | 400 | 800 |
| 41S | mg/kg | 0-1 | 1,500 | 400 | 800 |
| 41D | mg/kg | 3-4 | 150 | 400 | 800 |
| 42S | mg/kg | 0-1 | 490 | 400 | 800 |
| 42D | mg/kg | 3-4 | 190 | 400 | 800 |
| 43S | mg/kg | 0-1 | 310 | 400 | 800 |
| 43D | mg/kg | 3-4 | 160 | 400 | 800 |
| 44S | mg/kg | 0-1 | 200 | 400 | 800 |
| 44D | mg/kg | 3-4 | 56 | 400 | 800 |
| 45S | mg/kg | 0-1 | 160 | 400 | 800 |
| 46S | mg/kg | 0-1 | 1,300 | 400 | 800 |
| 46D | mg/kg | 3-4 | 340 | 400 | 800 |
| 47S | mg/kg | 0-1 | 890 | 400 | 800 |

**Key:**
Total lead analyzed using EPA Method 6010B
Shaded cell value exceeds residential SRL
Shaded cell value exceeds non-residential SRL
bgs – Below ground surface
mg/kg – milligrams per kilogram
SRL – Soil Remediation Level

**TABLE 1**
**SUMMARY OF TOTAL LEAD IN SOIL SAMPLES AND SOIL REMEDIATION LEVELS (SRLs)**
**(2009 SAMPLES)**

| Sample Number | Units | Sample Depth (inches bgs) | Analytical Result | Residential SRL | Non-Residential SRL |
|---|---|---|---|---|---|
| 47D | mg/kg | 3-4 | 390 | 400 | 800 |
| 48S | mg/kg | 0-1 | 560 | 400 | 800 |
| 48D | mg/kg | 3-4 | 290 | 400 | 800 |
| 49S | mg/kg | 0-1 | 410 | 400 | 800 |
| 49D | mg/kg | 3-4 | 210 | 400 | 800 |
| 50S | mg/kg | 0-1 | 430 | 400 | 800 |
| 50D | mg/kg | 3-4 | 110 | 400 | 800 |
| 51S | mg/kg | 0-1 | 370 | 400 | 800 |
| 51D | mg/kg | 3-4 | 70 | 400 | 800 |
| 52S | mg/kg | 0-1 | 880 | 400 | 800 |
| 52D | mg/kg | 3-4 | 110 | 400 | 800 |
| 53S | mg/kg | 0-1 | 490 | 400 | 800 |
| 53D | mg/kg | 3-4 | 73 | 400 | 800 |
| 54S | mg/kg | 0-1 | 420 | 400 | 800 |
| 54D | mg/kg | 3-4 | 100 | 400 | 800 |
| 55S | mg/kg | 0-1 | 560 | 400 | 800 |
| 55D | mg/kg | 3-4 | 130 | 400 | 800 |
| 56S | mg/kg | 0-1 | 190 | 400 | 800 |
| 56D | mg/kg | 3-4 | 74 | 400 | 800 |
| 57S | mg/kg | 0-1 | 160 | 400 | 800 |
| 57D | mg/kg | 3-4 | 98 | 400 | 800 |
| 58S | mg/kg | 0-1 | 310 | 400 | 800 |
| 58D | mg/kg | 3-4 | 88 | 400 | 800 |
| 59S | mg/kg | 0-1 | 350 | 400 | 800 |
| 59D | mg/kg | 3-4 | 120 | 400 | 800 |
| 60S | mg/kg | 0-1 | 220 | 400 | 800 |
| 60D | mg/kg | 3-4 | 63 | 400 | 800 |
| 61S | mg/kg | 0-1 | 110 | 400 | 800 |
| 61D | mg/kg | 3-4 | 66 | 400 | 800 |
| 62S | mg/kg | 0-1 | 290 | 400 | 800 |
| 62D | mg/kg | 3-4 | 72 | 400 | 800 |
| 63S | mg/kg | 0-1 | 250 | 400 | 800 |
| 63D | mg/kg | 3-4 | 57 | 400 | 800 |
| 64S | mg/kg | 0-1 | 140 | 400 | 800 |
| 64D | mg/kg | 3-4 | 52 | 400 | 800 |
| 65S | mg/kg | 0-1 | 130 | 400 | 800 |
| 65D | mg/kg | 3-4 | 40 | 400 | 800 |
| 66S | mg/kg | 0-1 | 53 | 400 | 800 |
| 66D | mg/kg | 3-4 | 56 | 400 | 800 |

**Key:**
Total lead analyzed using EPA Method 6010B
Shaded cell value exceeds residential SRL
Shaded cell value exceeds non-residential SRL
bgs – Below ground surface
mg/kg – milligrams per kilogram
SRL – Soil Remediation Level

**TABLE 1**
**SUMMARY OF TOTAL LEAD IN SOIL SAMPLES AND SOIL REMEDIATION LEVELS (SRLs)**
**(2009 SAMPLES)**

| Sample Number | Units | Sample Depth (inches bgs) | Analytical Result | Residential SRL | Non-Residential SRL |
|---|---|---|---|---|---|
| 67S | mg/kg | 0-1 | 96 | 400 | 800 |
| 67D | mg/kg | 3-4 | 55 | 400 | 800 |
| 68S | mg/kg | 0-1 | 160 | 400 | 800 |
| 69S | mg/kg | 0-1 | 71 | 400 | 800 |
| 70S | mg/kg | 0-1 | 100 | 400 | 800 |
| 71S | mg/kg | 0-1 | 3,400 | 400 | 800 |
| 71D | mg/kg | 3-4 | 5,900 | 400 | 800 |
| 72S | mg/kg | 0-1 | 3,300 | 400 | 800 |
| 72D | mg/kg | 3-4 | 1,200 | 400 | 800 |
| 73D | mg/kg | 3-4 | 550 | 400 | 800 |
| 74S | mg/kg | 0-1 | 1,700 | 400 | 800 |
| 74D | mg/kg | 3-4 | 450 | 400 | 800 |
| 75S | mg/kg | 0-1 | 590 | 400 | 800 |
| 75D | mg/kg | 3-4 | 390 | 400 | 800 |
| 76S | mg/kg | 0-1 | 380 | 400 | 800 |
| 76D | mg/kg | 3-4 | 210 | 400 | 800 |
| 77S | mg/kg | 0-1 | 8,900 | 400 | 800 |
| 77D | mg/kg | 3-4 | 1,600 | 400 | 800 |
| 78S | mg/kg | 0-1 | 1,200 | 400 | 800 |
| 78D | mg/kg | 3-4 | 1,800 | 400 | 800 |
| 79S | mg/kg | 0-1 | 3,000 | 400 | 800 |
| 79D | mg/kg | 3-4 | 2,500 | 400 | 800 |
| 80S | mg/kg | 0-1 | 1,600 | 400 | 800 |
| 80D | mg/kg | 3-4 | 750 | 400 | 800 |
| 81S | mg/kg | 0-1 | 3,200 | 400 | 800 |
| 81D | mg/kg | 3-4 | 2,500 | 400 | 800 |
| 82S | mg/kg | 0-1 | 12,000 | 400 | 800 |
| 82D | mg/kg | 3-4 | 18,000 | 400 | 800 |
| 83S | mg/kg | 0-1 | 3,600 | 400 | 800 |
| 83D | mg/kg | 3-4 | 3,800 | 400 | 800 |
| 84S | mg/kg | 0-1 | 7,100 | 400 | 800 |
| 84D | mg/kg | 3-4 | 16,000 | 400 | 800 |
| 85S | mg/kg | 0-1 | 600 | 400 | 800 |
| 85D | mg/kg | 3-4 | 2,100 | 400 | 800 |
| 86S | mg/kg | 0-1 | 530 | 400 | 800 |
| 86D | mg/kg | 3-4 | 710 | 400 | 800 |
| 87S | mg/kg | 0-1 | 620 | 400 | 800 |
| 87D | mg/kg | 3-4 | 640 | 400 | 800 |

**Key:**

**Key:**

Total lead analyzed using EPA Method 6010B
Shaded cell value exceeds residential SRL
Shaded cell value exceeds non-residential SRL

bgs – Below ground surface
mg/kg – milligrams per kilogram
SRL – Soil Remediation Level

**TABLE 1**
**SUMMARY OF TOTAL LEAD IN SOIL SAMPLES AND SOIL REMEDIATION LEVELS (SRLs)**
**(2009 SAMPLES)**

| Sample Number | Units | Sample Depth (inches bgs) | Analytical Result | Residential SRL | Non-Residential SRL |
|---|---|---|---|---|---|
| 88S | mg/kg | 0-1 | 4,100 | 400 | 800 |
| 88D | mg/kg | 3-4 | 730 | 400 | 800 |
| 89S | mg/kg | 0-1 | 1,200 | 400 | 800 |
| 89D | mg/kg | 3-4 | 160 | 400 | 800 |
| 90S | mg/kg | 0-1 | 530 | 400 | 800 |
| 90D | mg/kg | 3-4 | 130 | 400 | 800 |
| 91S | mg/kg | 0-1 | 160 | 400 | 800 |
| 92S | mg/kg | 0-1 | 1,600 | 400 | 800 |
| 92D | mg/kg | 3-4 | 250 | 400 | 800 |
| 93S | mg/kg | 0-1 | 870 | 400 | 800 |
| 94S | mg/kg | 0-1 | 130 | 400 | 800 |
| 95S | mg/kg | 0-1 | 590 | 400 | 800 |
| 96S | mg/kg | 0-1 | 140 | 400 | 800 |
| 97S | mg/kg | 0-1 | 130 | 400 | 800 |
| 97D | mg/kg | 3-4 | 60 | 400 | 800 |
| 98S | mg/kg | 0-1 | 93 | 400 | 800 |
| 98D | mg/kg | 3-4 | 90 | 400 | 800 |
| 99S | mg/kg | 0-1 | 100 | 400 | 800 |
| 99D | mg/kg | 3-4 | 44 | 400 | 800 |
| 100S | mg/kg | 0-1 | 61 | 400 | 800 |
| 100D | mg/kg | 3-4 | 38 | 400 | 800 |
| 101S | mg/kg | 0-1 | 71 | 400 | 800 |
| 101D | mg/kg | 3-4 | 49 | 400 | 800 |
| 102S | mg/kg | 0-1 | 220 | 400 | 800 |
| 102D | mg/kg | 3-4 | 94 | 400 | 800 |
| 103S | mg/kg | 0-1 | 220 | 400 | 800 |
| 103D | mg/kg | 3-4 | 150 | 400 | 800 |
| 104S | mg/kg | 0-1 | 110 | 400 | 800 |
| 104D | mg/kg | 3-4 | 43 | 400 | 800 |
| 105S | mg/kg | 0-1 | 81 | 400 | 800 |
| 105D | mg/kg | 3-4 | 60 | 400 | 800 |
| 106S | mg/kg | 0-1 | 140 | 400 | 800 |
| 106D | mg/kg | 3-4 | 150 | 400 | 800 |
| 107S | mg/kg | 0-1 | 200 | 400 | 800 |
| 107D | mg/kg | 3-4 | 140 | 400 | 800 |
| 108S | mg/kg | 0-1 | 96 | 400 | 800 |
| 109S | mg/kg | 0-1 | 76 | 400 | 800 |
| 110S | mg/kg | 0-1 | 71 | 400 | 800 |

**Key:**
Total lead analyzed using EPA Method 6010B
Shaded cell value exceeds residential SRL
Shaded cell value exceeds non-residential SRL
bgs – Below ground surface
mg/kg – milligrams per kilogram
SRL – Soil Remediation Level

**TABLE 1**
**SUMMARY OF TOTAL LEAD IN SOIL SAMPLES AND SOIL REMEDIATION LEVELS (SRLs)**
**(2009 SAMPLES)**

| Sample Number | Units | Sample Depth (inches bgs) | Analytical Result | Residential SRL | Non-Residential SRL |
|---|---|---|---|---|---|
| 111S | mg/kg | 0-1 | 87 | 400 | 800 |
| 112S | mg/kg | 0-1 | 44 | 400 | 800 |
| 113S | mg/kg | 0-1 | 79 | 400 | 800 |
| 114S | mg/kg | 0-1 | 54 | 400 | 800 |
| 115S | mg/kg | 0-1 | 46 | 400 | 800 |
| 116S | mg/kg | 0-1 | 33 | 400 | 800 |
| 117S | mg/kg | 0-1 | 100 | 400 | 800 |
| 118S | mg/kg | 0-1 | 130 | 400 | 800 |
| 119S | mg/kg | 0-1 | 36 | 400 | 800 |
| 120S | mg/kg | 0-1 | 34 | 400 | 800 |
| 121S | mg/kg | 0-1 | 99 | 400 | 800 |
| 122S | mg/kg | 0-1 | 97 | 400 | 800 |
| 123S | mg/kg | 0-1 | 60 | 400 | 800 |
| 124S | mg/kg | 0-1 | 56 | 400 | 800 |
| 125S | mg/kg | 0-1 | 110 | 400 | 800 |
| 126S | mg/kg | 0-1 | 110 | 400 | 800 |
| 127S | mg/kg | 0-1 | 71 | 400 | 800 |
| 128S | mg/kg | 0-1 | 51 | 400 | 800 |
| 129S | mg/kg | 0-1 | 94 | 400 | 800 |
| 130S | mg/kg | 0-1 | 180 | 400 | 800 |
| 131S | mg/kg | 0-1 | 250 | 400 | 800 |
| 132S | mg/kg | 0-1 | 120 | 400 | 800 |
| 133S | mg/kg | 0-1 | 200 | 400 | 800 |
| 134S | mg/kg | 0-1 | 140 | 400 | 800 |
| 135S | mg/kg | 0-1 | 130 | 400 | 800 |

**Key:**
Total lead analyzed using EPA Method 6010B
bgs – Below ground surface
mg/kg – milligrams per kilogram
SRL – Soil Remediation Level
Shaded cell value exceeds residential SRL
Shaded cell value exceeds non-residential SRL

**Key:**
Total lead analyzed using EPA Method 6010B
Shaded cell value exceeds residential SRL
Shaded cell value exceeds non-residential SRL
bgs – Below ground surface
mg/kg – milligrams per kilogram
SRL – Soil Remediation Level

**TABLE 2**
**SUMMARY OF TOTAL LEAD IN SOIL SAMPLES AND SOIL REMEDIATION LEVELS (SRLs)**
**(2017 SAMPLES)**

| Sample Number | Collection Date | Analytical Laboratory Report No. | Sample Depth (inches bgs) | Analytical Result (mg/kg) | Residential SRL | Non-Residential SRL |
|---|---|---|---|---|---|---|
| G1-1 | April 4, 2017 | L902835 | 0-1 | 33.8 | 400 | 800 |
| G2-1 | April 4, 2017 | L902835 | 0-1 | 29.5 | 400 | 800 |
| G3-1 | April 4, 2017 | L902835 | 0-1 | 49.8 | 400 | 800 |
| G4-1 | April 4, 2017 | L902835 | 0-1 | 110 | 400 | 800 |
| G4-4 | June 5, 2017 | L917155 | 3-4 | 174 | 400 | 800 |
| G5-1 | April 4, 2017 | L902835 | 0-1 | 47.2 | 400 | 800 |
| G6-1 | April 4, 2017 | L902835 | 0-1 | 40.9 | 400 | 800 |
| G7-1 | April 4, 2017 | L902835 | 0-1 | 141 | 400 | 800 |
| G7-4 | June 5, 2017 | L917155 | 3-4 | 72.5 | 400 | 800 |
| G8-1 | April 4, 2017 | L902835 | 0-1 | 187 | 400 | 800 |
| G8-4 | June 5, 2017 | L917155 | 3-4 | 239 | 400 | 800 |
| G9-1 | April 4, 2017 | L902835 | 0-1 | 3,010 | 400 | 800 |
| G9-4 | May 3, 2017 | L907554 | 3-4 | 2,770 | 400 | 800 |
| G10-1 | April 4, 2017 | L902835 | 0-1 | 8,850 | 400 | 800 |
| G10-4 | May 3, 2017 | L907554 | 3-4 | 13,300 | 400 | 800 |
| G11-1 | April 4, 2017 | L902835 | 0-1 | 928 | 400 | 800 |
| G11-4 | May 3, 2017 | L907554 | 3-4 | 1,330 | 400 | 800 |
| G12-1 | April 4, 2017 | L902835 | 0-1 | 559 | 400 | 800 |
| G12-4 | May 3, 2017 | L907554 | 3-4 | 105 | 400 | 800 |
| G13-1 | April 4, 2017 | L902835 | 0-1 | 417 | 400 | 800 |
| G13-4 | May 3, 2017 | L907554 | 3-4 | 986 | 400 | 800 |
| G14-1 | April 4, 2017 | L902835 | 0-1 | 1,850 | 400 | 800 |
| G14-4 | May 3, 2017 | L907554 | 3-4 | 1,460 | 400 | 800 |
| G15-1 | April 4, 2017 | L902835 | 0-1 | 1,130 | 400 | 800 |
| G15-4 | May 3, 2017 | L907554 | 3-4 | 1,410 | 400 | 800 |
| G16-1 | April 4, 2017 | L902835 | 0-1 | 598 | 400 | 800 |
| G16-4 | May 3, 2017 | L907554 | 3-4 | 258 | 400 | 800 |
| G17-1 | April 4, 2017 | L902835 | 0-1 | 156 | 400 | 800 |
| G17-4 | June 5, 2017 | L917155 | 3-4 | 116 | 400 | 800 |
| G18-1 | May 3, 2017 | L907554 | 0-1 | 181 | 400 | 800 |
| G18-4 | June 5, 2017 | L917155 | 3-4 | 129 | 400 | 800 |
| G19-1 | May 3, 2017 | L907554 | 0-1 | 563 | 400 | 800 |
| G19-A-1 | June 5, 2017 | L917155 | 0-1 | 287 | 400 | 800 |
| G19-A-4 | June 5, 2017 | L917155 | 3-4 | 298 | 400 | 800 |
| G19-B-1 | June 5, 2017 | L917155 | 0-1 | 603 | 400 | 800 |
| G19-B-4 | June 5, 2017 | L917155 | 3-4 | 586 | 400 | 800 |
| G19-C-1 | June 5, 2017 | L917155 | 0-1 | 1,960 | 400 | 800 |

**Key:**
Total lead analyzed using EPA Method 6010B
Shaded cell value exceeds residential SRL
Shaded cell value exceeds non-residential SRL
bgs – Below ground surface
mg/kg – milligrams per kilogram
SRL – Soil Remediation Level

**TABLE 2**
**SUMMARY OF TOTAL LEAD IN SOIL SAMPLES AND SOIL REMEDIATION LEVELS (SRLs)**
**(2017 SAMPLES)**

| Sample Number | Collection Date | Analytical Laboratory Report No. | Sample Depth (inches bgs) | Analytical Result (mg/kg) | Residential SRL | Non-Residential SRL |
|---|---|---|---|---|---|---|
| G19-C-4 | June 5, 2017 | L917155 | 3-4 | 1,850 | 400 | 800 |
| G19-D-1 | June 5, 2017 | L917155 | 0-1 | 224 | 400 | 800 |
| G19-D-4 | June 5, 2017 | L917155 | 3-4 | 249 | 400 | 800 |
| G19-E-1 | June 5, 2017 | L917155 | 0-1 | 553 | 400 | 800 |
| G19-E-4 | June 5, 2017 | L917155 | 3-4 | 965 | 400 | 800 |
| G19-F-1 | June 5, 2017 | L917155 | 0-1 | 892 | 400 | 800 |
| G19-F-4 | June 5, 2017 | L917155 | 3-4 | 507 | 400 | 800 |
| G19-G-1 | June 5, 2017 | L917155 | 0-1 | 344 | 400 | 800 |
| G19-G-4 | June 5, 2017 | L917155 | 3-4 | 531 | 400 | 800 |
| G19-H-1 | June 5, 2017 | L917155 | 0-1 | 488 | 400 | 800 |
| G19-H-4 | June 5, 2017 | L917155 | 3-4 | 343 | 400 | 800 |
| G19-I-1 | June 5, 2017 | L917155 | 0-1 | 295 | 400 | 800 |
| G19-I-4 | June 5, 2017 | L917155 | 3-4 | 138 | 400 | 800 |
| G20-1 | May 3, 2017 | L907554 | 0-1 | 215 | 400 | 800 |
| G20-4 | June 5, 2017 | L917155 | 3-4 | 222 | 400 | 800 |
| G21-1 | May 3, 2017 | L907554 | 0-1 | 83.6 | 400 | 800 |
| G22-1 | May 3, 2017 | L907554 | 0-1 | 70.7 | 400 | 800 |
| G23-1 | May 3, 2017 | L907554 | 0-1 | 47.8 | 400 | 800 |
| G24-1 | May 3, 2017 | L907554 | 0-1 | 34.5 | 400 | 800 |
| G25-1 | May 3, 2017 | L907554 | 0-1 | 37.2 | 400 | 800 |
| G26-1 | May 3, 2017 | L907554 | 0-1 | 77.6 | 400 | 800 |
| G27-1 | May 3, 2017 | L907554 | 0-1 | 66.0 | 400 | 800 |
| G28-1 | May 3, 2017 | L907554 | 0-1 | 285 | 400 | 800 |
| G28-4 | June 5, 2017 | L917155 | 3-4 | 278 | 400 | 800 |
| G29-1 | May 3, 2017 | L907554 | 0-1 | 102 | 400 | 800 |
| G29-4 | June 5, 2017 | L917155 | 3-4 | 135 | 400 | 800 |
| G30-1 | May 3, 2017 | L907554 | 0-1 | 77.2 | 400 | 800 |
| G31-1 | May 3, 2017 | L907554 | 0-1 | 61.5 | 400 | 800 |
| G32-1 | May 3, 2017 | L907554 | 0-1 | 39.0 | 400 | 800 |
| BERM1-1 | April 4, 2017 | L902835 | 0-1 | 1,070 | 400 | 800 |
| BERM1-1-4 | May 3, 2017 | L907554 | 3-4 | 5,060 | 400 | 800 |
| BERM1-2 | April 4, 2017 | L902835 | 0-1 | 1,330 | 400 | 800 |
| BERM1-2-4 | May 3, 2017 | L907554 | 3-4 | 4,430 | 400 | 800 |
| BERM1-3 | April 4, 2017 | L902835 | 0-1 | 1,710 | 400 | 800 |
| BERM1-3-4 | May 3, 2017 | L907554 | 3-4 | 2,080 | 400 | 800 |
| BERM2-1 | April 4, 2017 | L902835 | 0-1 | 127 | 400 | 800 |
| BERM2-1-4 | May 3, 2017 | L907554 | 3-4 | 1,240 | 400 | 800 |

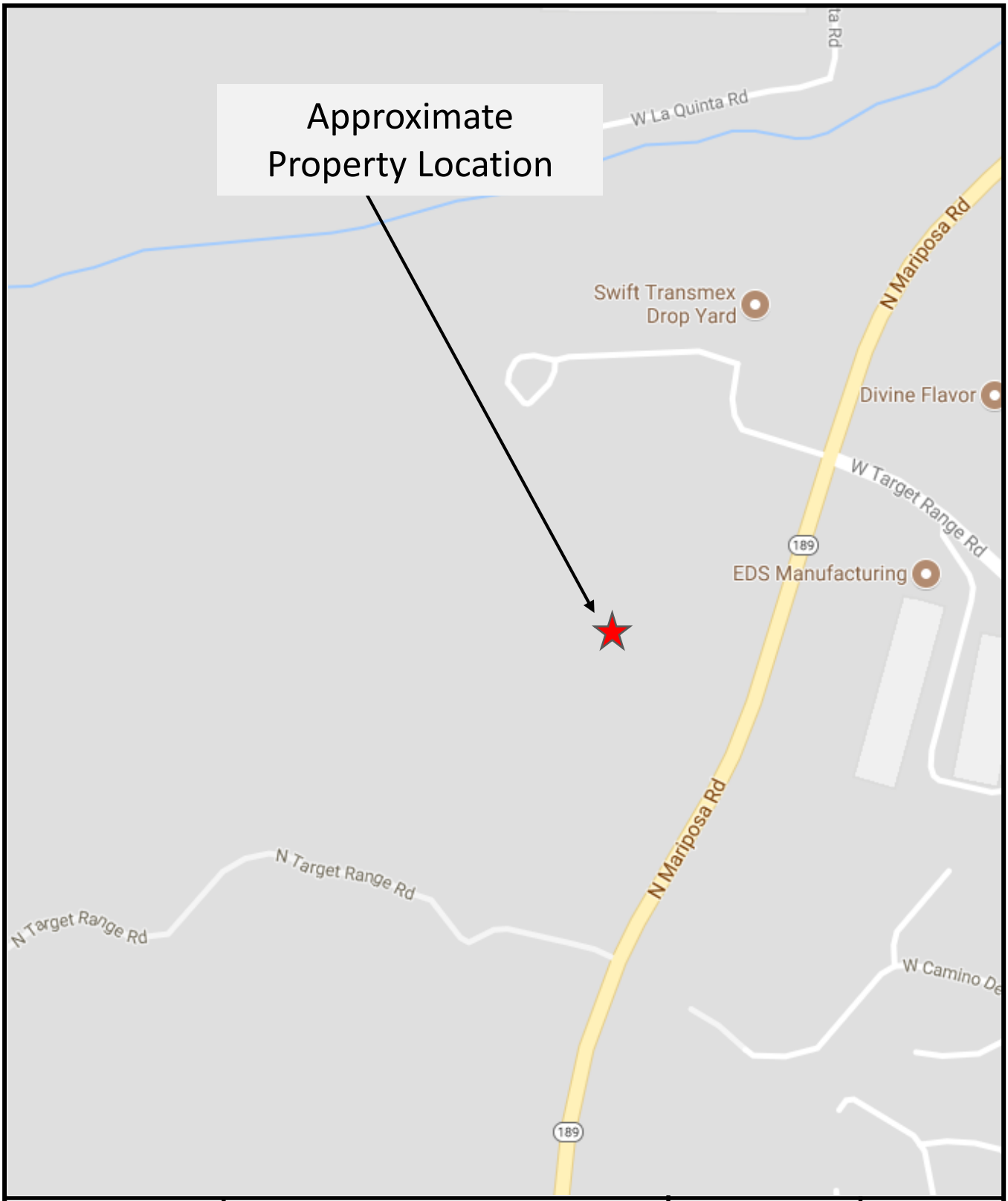
**Key:**
Total lead analyzed using EPA Method 6010B
Shaded cell value exceeds residential SRL
Shaded cell value exceeds non-residential SRL
bgs – Below ground surface
mg/kg – milligrams per kilogram
SRL – Soil Remediation Level

**TABLE 2**
**SUMMARY OF TOTAL LEAD IN SOIL SAMPLES AND SOIL REMEDIATION LEVELS (SRLs)**
**(2017 SAMPLES)**

| Sample Number | Collection Date | Analytical Laboratory Report No. | Sample Depth (inches bgs) | Analytical Result (mg/kg) | Residential SRL | Non-Residential SRL |
|---|---|---|---|---|---|---|
| BERM2-2 | April 4, 2017 | L902835 | 0-1 | 412 | 400 | 800 |
| BERM2-2-4 | May 3, 2017 | L907554 | 3-4 | 66.1 | 400 | 800 |
| BERM2-3 | April 4, 2017 | L902835 | 0-1 | 76.4 | 400 | 800 |
| BERM2-3-4 | May 3, 2017 | L907554 | 3-4 | 99.8 | 400 | 800 |

**Key:**
Total lead analyzed using EPA Method 6010B
Shaded cell value exceeds residential SRL
Shaded cell value exceeds non-residential SRL
bgs – Below ground surface
mg/kg – milligrams per kilogram
SRL – Soil Remediation Level

# FIGURES




Allwyn CONSULTANTS.
2223 South 48th Street, Suite A
Tempe, Arizona 85282
(602) 900-4941
www.allwynllc.com

**Figure 1**
**Property Vicinity Map**

**Additional Soil Assessment**
Trust #7659 Property, LLC; APN 113-49-002B, 113-49-027A, and 113-49-027D; Nogales, Arizona

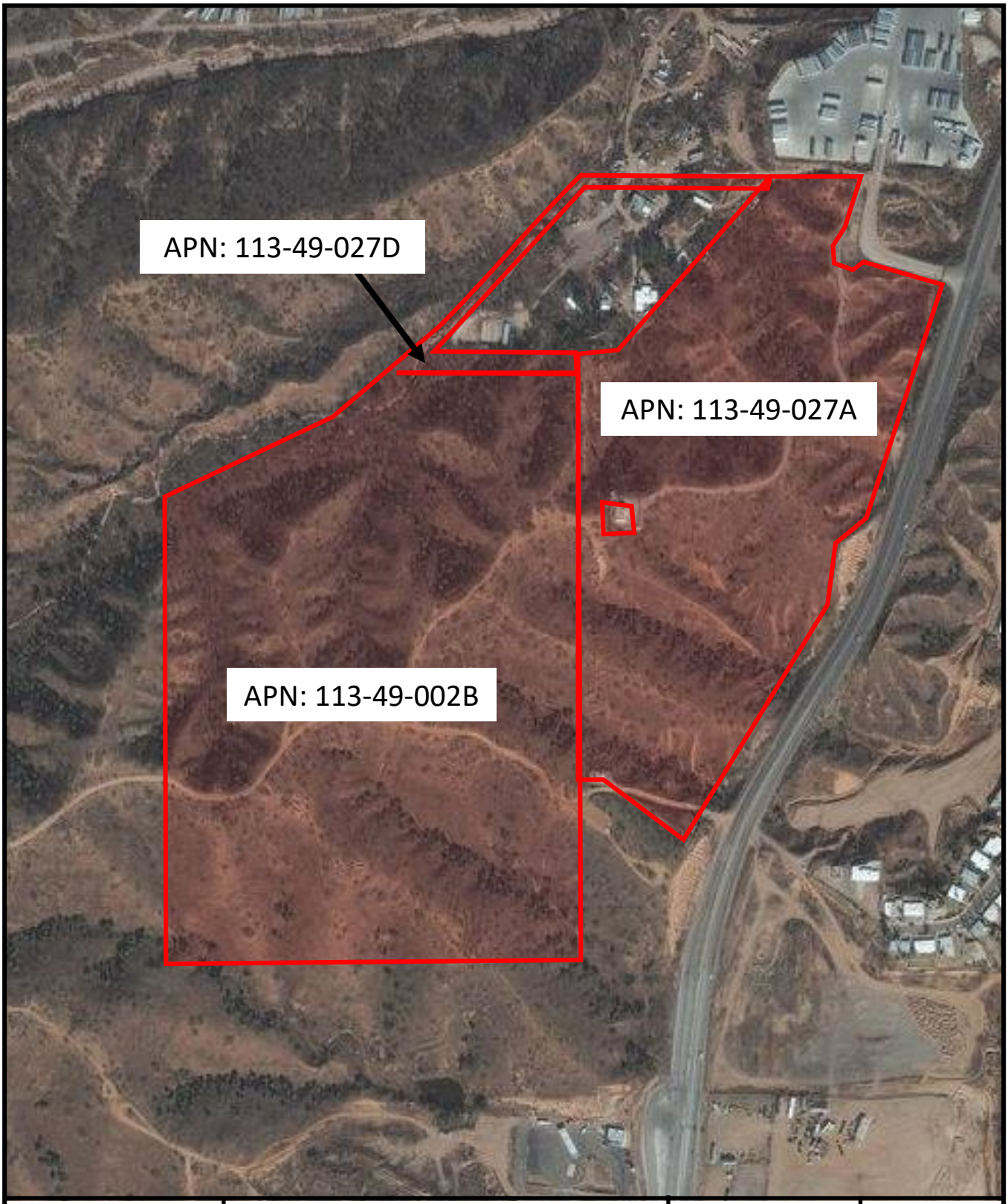
Project Number: 0183-0001

July 8, 2017

**Trust #7569**
885 W. Bell Rd.,
Suite 100
Nogales, Arizona
85621

N

Not to Scale




Allwyn CONSULTANTS.
2223 South 48th Street, Suite A
Tempe, Arizona 85282
(602) 900-4941
www.allwynllc.com

**Figure 2**
**Assessor's Parcel Map**

**Additional Soil Assessment**
Trust #7659 Property, LLC; APN 113-49-002B, 113-49-027A, and 113-49-027D; Nogales, Arizona

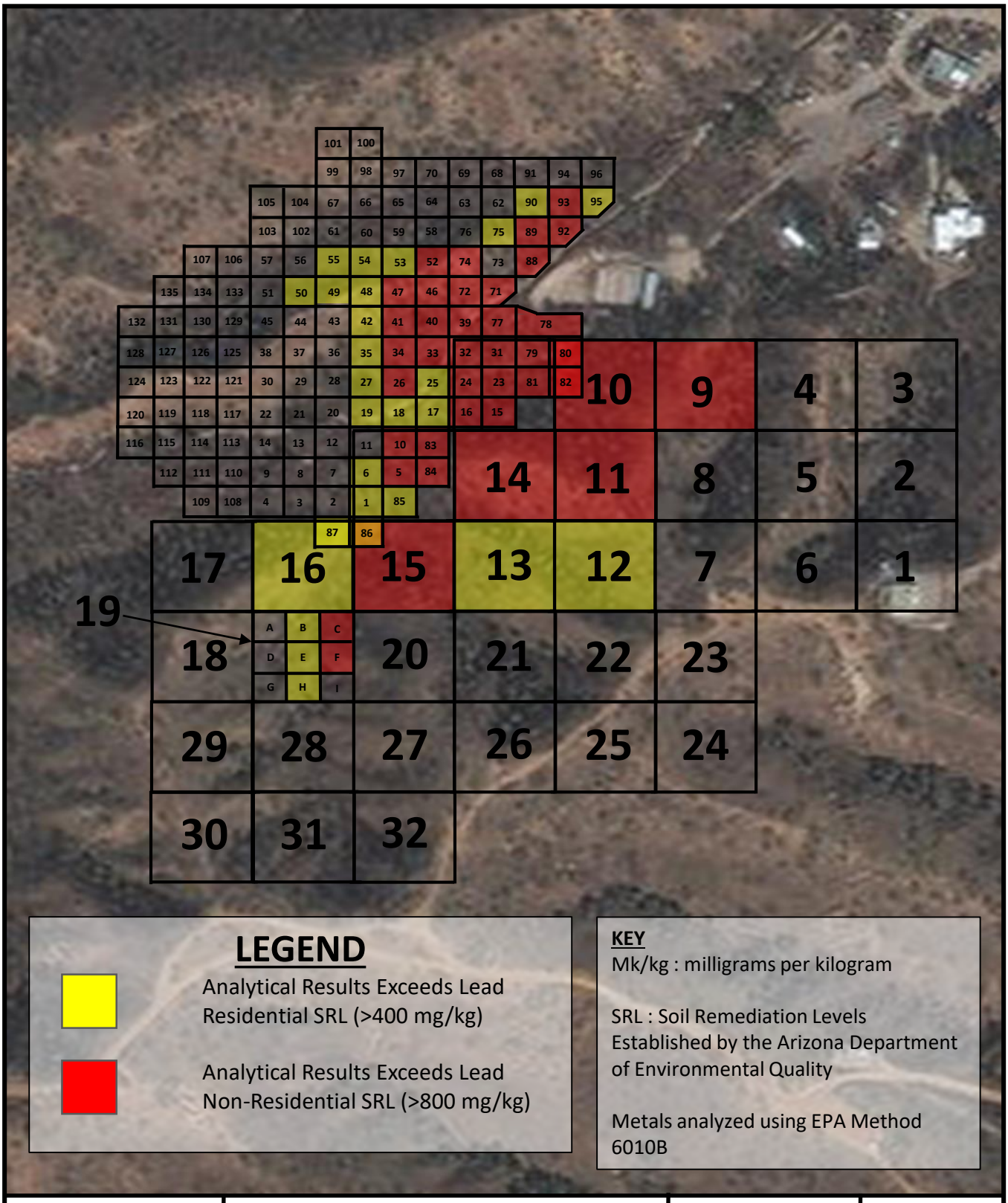
Project Number: 0183-0001

July 8, 2017

**Trust #7569**
885 W. Bell Rd.,
Suite 100
Nogales, Arizona
85621

N

Not to Scale




## LEGEND

Analytical Results Exceeds Lead Residential SRL (>400 mg/kg)

Analytical Results Exceeds Lead Non-Residential SRL (>800 mg/kg)

**KEY**

Mk/kg : milligrams per kilogram

SRL : Soil Remediation Levels Established by the Arizona Department of Environmental Quality

Metals analyzed using EPA Method 6010B


Allwyn CONSULTANTS.

2223 South 48th Street, Suite A
Tempe, Arizona 85282
(602) 900-4941
www.allwynllc.com


**Figure 3: Surface Samples Containing Lead in Concentrations Exceeding SRLs**

**Additional Soil Assessment**

Trust #7659 Property, LLC; APN 113-49-002B, 113-49-027A, and 113-49-027D; Nogales, Arizona

Project Number: 0183-0001

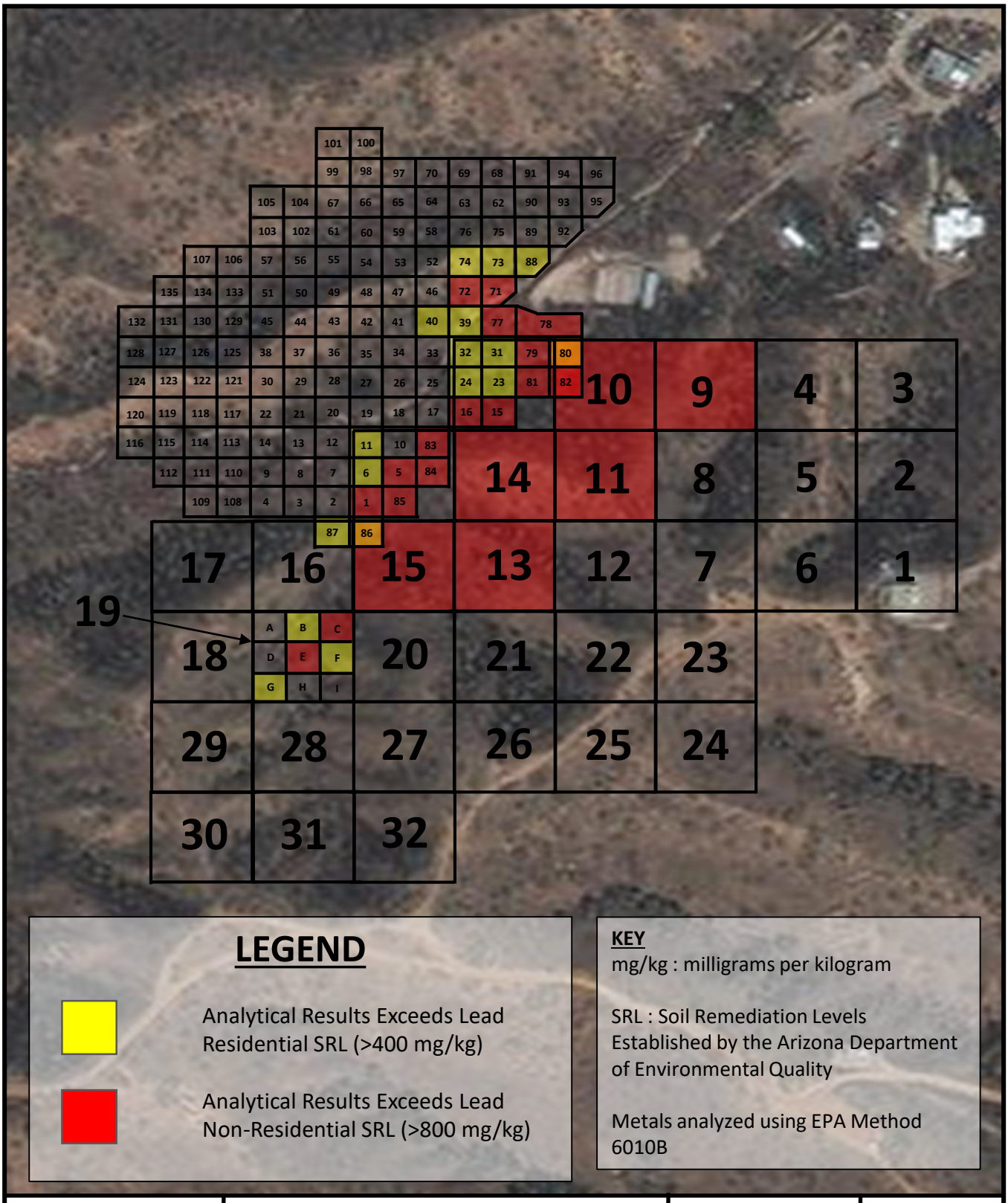
July 8, 2017

**Trust #7569**

885 W. Bell Rd., Suite 100
Nogales, Arizona 85621

N

Not to Scale




Allwyn CONSULTANTS.
2223 South 48th Street, Suite A
Tempe, Arizona 85282
(602) 900-4941
www.allwynllc.com

**Figure 4: Subsurface Samples Containing Lead in Concentrations Exceeding SRLs**

**Additional Soil Assessment**
Trust #7659 Property, LLC; APN 113-49-002B, 113-49-027A, and 113-49-027D; Nogales, Arizona

Project Number: 0183-0001

July 8, 2017

**Trust #7569**
885 W. Bell Rd.,
Suite 100
Nogales, Arizona
85621

N

Not to Scale

# APPENDIX A

## ANALYTICAL LABORATORY REPORTS

# ANALYTICAL REPORT

April 20, 2017

## Allwyn Consultants

| | |
|---|---|
| Sample Delivery Group: | L902835 |
| Samples Received: | 04/14/2017 |
| Project Number: | 0183-0001 |
| Description: | 0183-0001 |

Report To: Holly Land
2223 South 48th Street, Suite A
Tempe, AZ 85282

Entire Report Reviewed By:

Daphne R Richards

Daphne Richards
Technical Service Representative



## G17-1 L902835-01 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 10:35 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 12:52 | ST |

## G16-1 L902835-02 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 11:00 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 13:06 | ST |

## G15-1 L902835-03 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 11:25 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 13:09 | ST |

## G14-1 L902835-04 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 11:40 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 13:17 | ST |

## G13-1 L902835-05 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 12:05 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 13:20 | ST |

## G10-1 L902835-06 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 12:25 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 13:23 | ST |

## BERM2-1 L902835-07 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 12:55 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 13:26 | ST |

## BERM2-2 L902835-08 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 13:04 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 13:29 | ST |

## BERM2-3 L902835-09 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 13:09 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 13:32 | ST |

## BERM1-1 L902835-10 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 13:25 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 13:35 | ST |

## BERM1-2 L902835-11 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 13:30 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 13:38 | ST |

## BERM1-3 L902835-12 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 13:35 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 13:41 | ST |

## G9-1 L902835-13 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 14:00 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 13:44 | ST |

## G11-1 L902835-14 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 14:10 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 13:52 | ST |

## G12-1 L902835-15 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 14:20 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 13:55 | ST |

## G4-1 L902835-16 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 14:35 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 13:58 | ST |

## G8-1 L902835-17 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 14:45 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 14:00 | ST |

## G3-1 L902835-18 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 14:50 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 14:03 | ST |

## G5-1 L902835-19 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 15:20 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 14:06 | ST |

## G7-1 L902835-20 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 15:52 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG971187 | 1 | 04/17/17 14:28 | 04/19/17 14:09 | ST |

## G6-1 L902835-21 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 15:55 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG970698 | 1 | 04/18/17 14:34 | 04/19/17 03:36 | CCE |

## G2-1 L902835-22 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 16:10 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG970698 | 1 | 04/18/17 14:34 | 04/19/17 03:39 | CCE |

## G1-1 L902835-23 Solid

Collected by: Holly Land | Collected date/time: 04/04/17 16:30 | Received date/time: 04/14/17 12:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010B | WG970698 | 1 | 04/18/17 14:34 | 04/19/17 03:42 | CCE |

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.

Daphne R Richards

Daphne Richards
Technical Service Representative

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 156 | | 0.500 | 1 | 04/19/2017 12:52 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 598 | | 0.500 | 1 | 04/19/2017 13:06 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 1130 | | 0.500 | 1 | 04/19/2017 13:09 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 1850 | | 0.500 | 1 | 04/19/2017 13:17 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 417 | | 0.500 | 1 | 04/19/2017 13:20 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 8850 | | 0.500 | 1 | 04/19/2017 13:23 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 127 | | 0.500 | 1 | 04/19/2017 13:26 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 412 | | 0.500 | 1 | 04/19/2017 13:29 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 76.4 | | 0.500 | 1 | 04/19/2017 13:32 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 1070 | | 0.500 | 1 | 04/19/2017 13:35 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 1330 | | 0.500 | 1 | 04/19/2017 13:38 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 1710 | | 0.500 | 1 | 04/19/2017 13:41 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 3010 | | 0.500 | 1 | 04/19/2017 13:44 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 928 | | 0.500 | 1 | 04/19/2017 13:52 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 559 | | 0.500 | 1 | 04/19/2017 13:55 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 110 | | 0.500 | 1 | 04/19/2017 13:58 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 187 | | 0.500 | 1 | 04/19/2017 14:00 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 49.8 | | 0.500 | 1 | 04/19/2017 14:03 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 47.2 | | 0.500 | 1 | 04/19/2017 14:06 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 141 | | 0.500 | 1 | 04/19/2017 14:09 | WG971187 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 40.9 | | 0.500 | 1 | 04/19/2017 03:36 | WG970698 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 29.5 | | 0.500 | 1 | 04/19/2017 03:39 | WG970698 |

## Metals (ICP) by Method 6010B

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 33.8 | | 0.500 | 1 | 04/19/2017 03:42 | WG970698 |

## Method Blank (MB)

(MB) R3211717-1 04/19/17 02:58

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Lead | U | | 0.19 | 0.500 |

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

(LCS) R3211717-2 04/19/17 03:00 • (LCSD) R3211717-3 04/19/17 03:02

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 100 | 105 | 107 | 105 | 107 | 80-120 | | | 2 | 20 |

## L902842-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L902842-08 04/19/17 03:05 • (MS) R3211717-6 04/19/17 03:13 • (MSD) R3211717-7 04/19/17 03:15

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 100 | 8.03 | 110 | 109 | 102 | 101 | 1 | 75-125 | | | 1 | 20 |

## Method Blank (MB)

(MB) R3212027-1 04/19/17 12:44

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Lead | U | | 0.19 | 0.500 |

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

(LCS) R3212027-2 04/19/17 12:47 • (LCSD) R3212027-3 04/19/17 12:50

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 100 | 106 | 108 | 106 | 108 | 80-120 | | | 1 | 20 |

## L902835-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L902835-01 04/19/17 12:52 • (MS) R3212027-6 04/19/17 13:01 • (MSD) R3212027-7 04/19/17 13:03

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 100 | 156 | 267 | 265 | 111 | 109 | 1 | 75-125 | | | 1 | 20 |

## 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. |
| 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. |

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

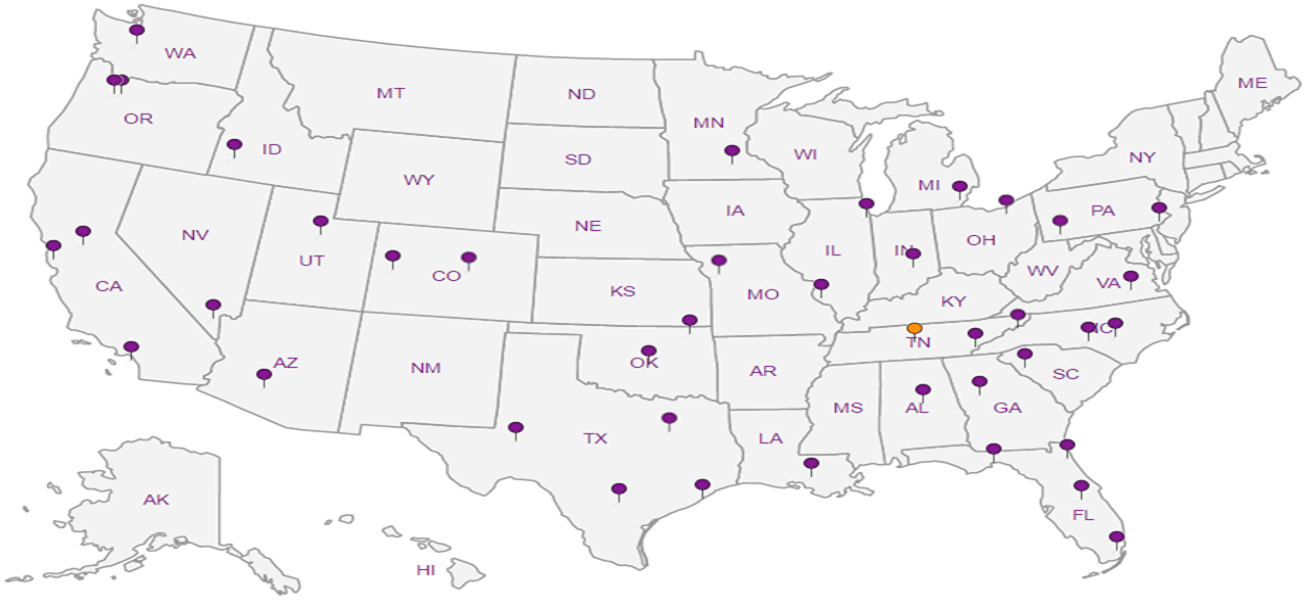
## Third Party & Federal Accreditations

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

[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.**



Company Name/Address:
**Allwyn Consultants**
2223 S 48th St. Suite A
Tempe, AZ 85282

Billing Information:

Report to: Holly Land

Email To: HLAND@ALLWYNLLC.COM

Project Description: 0183-0001

City/State Collected:

Phone: 623-792-8722
Fax: —

Client Project # 0183-001

Lab Project #

Collected by (print): Holly Land

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y ___

**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? X No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

ESC LABORATORY 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# 962875
H153

Acctnum: ALLWYNGAZ
Template:
Prelogin:
TSR:
Cooler:
Shipped Via:

| Sample ID | Comp/Grab | Matrix * | Depth (in) | Date | Time | No. of Cntrs | Total Lead (6010B) | Rem./Contaminant | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|
| G17-1 | Comp | SS | 0-1 | 4/4/17 | 1035 | 1 | X | | 01 |
| G16-1 | Comp | | | | 1100 | 1 | X | | 02 |
| G15-1 | Comp | | | | 1125 | 1 | X | | 03 |
| G14-1 | Comp | | | | 1140 | 1 | X | | 04 |
| G13-1 | Comp | | | | 1205 | 1 | X | | 05 |
| G10-1 | Comp | | | | 1225 | 1 | X | | 06 |
| BERM2-1 | Grab | | | | 1255 | 1 | X | | 07 |
| BERM2-2 | Grab | | | | 1304 | 1 | X | | 08 |
| BERM2-3 | Grab | | | | 1309 | 1 | X | | 09 |
| BERM1-1 | Grab | | | | 1325 | 1 | X | | 10 |

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

pH ____ Temp ____
Flow ____ Other ____

Hold #

Remarks:

Condition: (lab use only) OK

| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) |
|---|---|---|---|
| | 4/13/17 | 0920 | |
| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) |
| | 4/13/17 | 1800 | SWA |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) |
| | | | |

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier SWA

Temp: 3.6 °C Bottles Received: 23+2

COC Seal Intact: ___Y ___N ___NA

Date: 4/14/17 Time: 1230

pH Checked: NCF:

Chain of Custody Page 2 of 3

ESC LABS

YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# 902835

Table #

Acctnum: ALLWYNGAZ

Template:

Prelogin:

TSR:

Cooler:

Shipped Via:

Company Name/Address:
**Allwyn Consultants**
2223 S 48th St. Suite A
Tempe, AZ 85282

Billing Information:
Same

Report to: Holly Land

Email To: HLAND@ALLWYNLLC.com

Project Description: 0183-0001

City/State Collected: AZ

Phone: 623-792-8722
Fax:

Client Project # 0183-0001

Lab Project #

Collected by (print): Holly Land

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N X Y ___

**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

| Sample ID | Comp/Grab | Matrix * | Depth (in) | Date | Time | No. of Cntrs | Total Lead (6010B) | Item/Contaminant | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|
| BERM1-2 | Grab | SS | 0-1 | 4/4/17 | 1330 | 1 | X | | 11 |
| BERM1-3 | Grab | | | | 1335 | 1 | X | | 12 |
| ~~B9-1HL~~ G9-1 | Comp | | | | 1400 | 1 | X | | 13 |
| ~~B11-1HL~~ G11-1 | Comp | | | | 1410 | 1 | X | | 14 |
| ~~B12-1HL~~ G12-1 | Comp | | | | 1420 | 1 | X | | 15 |
| ~~B4-1HL~~ G4-1 | Comp | | | | 1435 | 1 | X | | 16 |
| ~~B8-1HL~~ G8-1 | Comp | | | | 1445 | 1 | X | | 17 |
| ~~B3-1HL~~ G3-1 | Comp | | | | 1450 | 1 | X | | 18 |
| ~~B5-1HL~~ G5-1 | Comp | | | | 1520 | 1 | X | | 19 |
| ~~B7-1HL~~ G7-1 | Comp | | | | 1552 | 1 | X | | 20 |

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

pH _____ Temp _____

Flow _____ Other _____

Hold #

Remarks:

| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) |
|---|---|---|---|
| | 4/13/17 | 0920 | |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) |
| | 4/13/17 | 1800 | SWA |
| Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) |
| | | | |

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☑ SWA

Temp: 3.6 °C Bottles Received: 23

Date: 4/14/17 Time: 1230

Condition: (lab use only) OK

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF:

Company Name/Address:
**Allwyn Consultants**
2223 S 48th St. Suite A
Tempe, AZ 85282

Billing Information:
Same

Report to: Holly Land

Email To: HLAND@ALLWYNLLC.com

Project Description: 0183-0001

City/State Collected:

Phone: 623-792-8722
Fax:

Client Project # 0183-0001

Lab Project #

Collected by (print): Holly Land

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N X Y ___

**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? X No ___ Yes

Analysis / Container / Preservative

Chain of Custody Page 3 of 3

ESC LABORATORY 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 # 902835

Table #

Acctnum: ALLWYNGAZ

Template:

Prelogin:

TSR:

Cooler:

Shipped Via:

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | Total Pb 6010B | Rem./Contaminant | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|
| ~~G6~~ HC | | | | | HC | | | | |
| G6-1 | Comp | SS | 0-1 | 4-4-17 | 1555 | 1 | X | | 21 |
| G2-1 | Comp | SS | 0-1 | 4-4-17 | 1600 | 1 | X | | 22 |
| G1-1 | Comp | SS | 0-1 | 4-4-17 | 1630 | 1 | X | | 23 |

End of Table of Record

* 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) |
|---|---|---|---|
| | 4/13/17 | 0920 | |
| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) |
| | 4/13/17 | 1800 | SUA |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) |
| | | | |

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier DSWA

Temp: 3.6 °C Bottles Received: 23

Date: 4/14/17 Time: 1230

Condition: (lab use only) DW

COC Seal Intact: ___ Y ___ N ___ NA

pH Checked: NCF:

# ESC LAB SCIENCES
## Cooler Receipt Form

| | | |
|---|---|---|
| Client: ALLEGHENY GAS | SDG# | 902875 |
| Cooler Received/Opened On: 4/14 /17 | Temperature: | 3.0 C |
| Received By: Nadiar Yakob | | |
| Signature: | | |

| Receipt Check List | NP | Yes | No |
|---|---|---|---|
| COC Seal Present / Intact? | ✓ | | |
| COC Signed / Accurate? | | ✓ | |
| Bottles arrive intact? | | ✓ | |
| Correct bottles used? | | ✓ | |
| Sufficient volume sent? | | ✓ | |
| If Applicable | | | |
| VOA Zero headspace? | | | |
| Preservation Correct / Checked? | | | |

# ANALYTICAL REPORT

May 15, 2017

## Allwyn Consultants

| | |
|---|---|
| Sample Delivery Group: | L907554 |
| Samples Received: | 05/06/2017 |
| Project Number: | 0183-0001 |
| Description: | 0183-0001 |

Report To: Holly Land
2223 South 48th Street, Suite A
Tempe, AZ 85282

Entire Report Reviewed By:

Daphne R Richards

Daphne Richards
Technical Service Representative



## G24-1 L907554-01 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 08:55
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 13:05 | ST |

## G30-1 L907554-02 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 08:58
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 13:19 | ST |

## G25-1 L907554-03 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 09:09
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 13:22 | ST |

## G23-1 L907554-04 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 09:10
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 13:40 | ST |

## G16-4 L907554-05 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 09:17
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 13:42 | ST |

## G26-1 L907554-06 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 09:24
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 13:45 | ST |

## G15-4 L907554-07 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 09:38
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 13:48 | ST |

## G27-1 L907554-08 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 09:45
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 13:51 | ST |

## G32-1 L907554-09 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 09:56
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 13:54 | ST |

## G22-1 L907554-10 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 10:00
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 13:57 | ST |

## G14-4 L907554-11 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 10:15
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 14:00 | ST |

## G28-1 L907554-12 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 10:18
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 14:03 | ST |

## G31-1 L907554-13 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 10:25
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 14:06 | ST |

## G13-4 L907554-14 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 10:48
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 14:15 | ST |

## G21-1 L907554-15 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 10:50
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 14:18 | ST |

## G20-1 L907554-16 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 11:10
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 14:21 | ST |

## G29-1 L907554-17 Solid

Collected by: Holly Land | Collected date/time: 05/03/17 11:11 | Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 14:23 | ST |

## G12-4 L907554-18 Solid

Collected by: Holly Land | Collected date/time: 05/03/17 11:15 | Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 14:26 | ST |

## G18-1 L907554-19 Solid

Collected by: Holly Land | Collected date/time: 05/03/17 11:18 | Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 14:29 | ST |

## G19-1 L907554-20 Solid

Collected by: Holly Land | Collected date/time: 05/03/17 11:30 | Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977514 | 1 | 05/09/17 17:44 | 05/11/17 14:32 | ST |

## G11-4 L907554-21 Solid

Collected by: Holly Land | Collected date/time: 05/03/17 11:45 | Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977515 | 1 | 05/09/17 18:16 | 05/10/17 20:03 | ST |

## G10-4 L907554-22 Solid

Collected by: Holly Land | Collected date/time: 05/03/17 12:20 | Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977515 | 5 | 05/09/17 18:16 | 05/10/17 23:44 | ST |

## G9-4 L907554-23 Solid

Collected by: Holly Land | Collected date/time: 05/03/17 12:35 | Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977515 | 1 | 05/09/17 18:16 | 05/10/17 21:06 | ST |

## BERM1-1-4 L907554-24 Solid

Collected by: Holly Land | Collected date/time: 05/03/17 13:00 | Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977515 | 1 | 05/09/17 18:16 | 05/10/17 21:09 | ST |

## BERM1-2-4 L907554-25 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 13:10
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977515 | 1 | 05/09/17 18:16 | 05/10/17 21:11 | ST |

## BERM1-3-4 L907554-26 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 13:18
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977515 | 1 | 05/09/17 18:16 | 05/10/17 21:14 | ST |

## BERM2-1-4 L907554-27 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 13:30
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977515 | 1 | 05/09/17 18:16 | 05/10/17 21:17 | ST |

## BERM2-2-4 L907554-28 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 13:43
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG978535 | 1 | 05/13/17 10:58 | 05/15/17 04:13 | CCE |

## BERM2-3-4 L907554-29 Solid

Collected by: Holly Land
Collected date/time: 05/03/17 13:55
Received date/time: 05/06/17 08:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG977515 | 1 | 05/09/17 18:16 | 05/10/17 21:20 | ST |

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.

Daphne R Richards

Daphne Richards
Technical Service Representative

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 34.5 | | 0.500 | 1 | 05/11/2017 13:05 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 77.2 | | 0.500 | 1 | 05/11/2017 13:19 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 37.2 | | 0.500 | 1 | 05/11/2017 13:22 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 47.8 | | 0.500 | 1 | 05/11/2017 13:40 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 258 | | 0.500 | 1 | 05/11/2017 13:42 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 77.6 | | 0.500 | 1 | 05/11/2017 13:45 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 1410 | | 0.500 | 1 | 05/11/2017 13:48 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 66.0 | | 0.500 | 1 | 05/11/2017 13:51 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 39.0 | | 0.500 | 1 | 05/11/2017 13:54 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 70.7 | | 0.500 | 1 | 05/11/2017 13:57 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 1460 | | 0.500 | 1 | 05/11/2017 14:00 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 285 | | 0.500 | 1 | 05/11/2017 14:03 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 61.5 | | 0.500 | 1 | 05/11/2017 14:06 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 986 | | 0.500 | 1 | 05/11/2017 14:15 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 83.6 | | 0.500 | 1 | 05/11/2017 14:18 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 215 | | 0.500 | 1 | 05/11/2017 14:21 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 102 | | 0.500 | 1 | 05/11/2017 14:23 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 105 | | 0.500 | 1 | 05/11/2017 14:26 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 181 | | 0.500 | 1 | 05/11/2017 14:29 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 563 | | 0.500 | 1 | 05/11/2017 14:32 | WG977514 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 1330 | | 0.500 | 1 | 05/10/2017 20:03 | WG977515 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 13300 | | 2.50 | 5 | 05/10/2017 23:44 | WG977515 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 2770 | | 0.500 | 1 | 05/10/2017 21:06 | WG977515 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 5060 | | 0.500 | 1 | 05/10/2017 21:09 | WG977515 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 4430 | | 0.500 | 1 | 05/10/2017 21:11 | WG977515 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 2080 | | 0.500 | 1 | 05/10/2017 21:14 | WG977515 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 1240 | | 0.500 | 1 | 05/10/2017 21:17 | WG977515 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 66.1 | | 0.500 | 1 | 05/15/2017 04:13 | WG978535 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 99.8 | | 0.500 | 1 | 05/10/2017 21:20 | WG977515 |

## Method Blank (MB)

(MB) R3217458-1 05/11/17 12:57

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Lead | U | | 0.19 | 0.500 |

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

(LCS) R3217458-2 05/11/17 12:59 • (LCSD) R3217458-3 05/11/17 13:02

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 100 | 102 | 94.5 | 102 | 94 | 80-120 | | | 8 | 20 |

## L907554-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L907554-01 05/11/17 13:05 • (MS) R3217458-6 05/11/17 13:13 • (MSD) R3217458-7 05/11/17 13:16

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 100 | 34.5 | 135 | 134 | 100 | 99 | 1 | 75-125 | | | 1 | 20 |

## Method Blank (MB)

(MB) R3217175-1 05/10/17 19:55

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Lead | U | | 0.19 | 0.500 |

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

(LCS) R3217175-2 05/10/17 19:58 • (LCSD) R3217175-3 05/10/17 20:00

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 100 | 104 | 103 | 104 | 103 | 80-120 | | | 1 | 20 |

## L907554-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L907554-21 05/10/17 20:03 • (MS) R3217175-6 05/10/17 20:11 • (MSD) R3217175-7 05/10/17 20:14

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 100 | 1330 | 1540 | 1590 | 212 | 268 | 1 | 75-125 | M3 | M3 | 4 | 20 |

## Method Blank (MB)

(MB) R3217890-1 05/15/17 03:54

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Lead | U | | 0.19 | 0.500 |

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

(LCS) R3217890-2 05/15/17 03:56 • (LCSD) R3217890-3 05/15/17 03:58

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 100 | 102 | 102 | 102 | 102 | 80-120 | | | 0 | 20 |

## L908023-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L908023-01 05/15/17 04:01 • (MS) R3217890-6 05/15/17 04:08 • (MSD) R3217890-7 05/15/17 04:11

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 100 | 18.6 | 128 | 119 | 109 | 100 | 1 | 75-125 | | | 7 | 20 |

## 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. |
| 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 |
|---|---|
| M3 | The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The associated blank spike recovery was acceptable. |

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

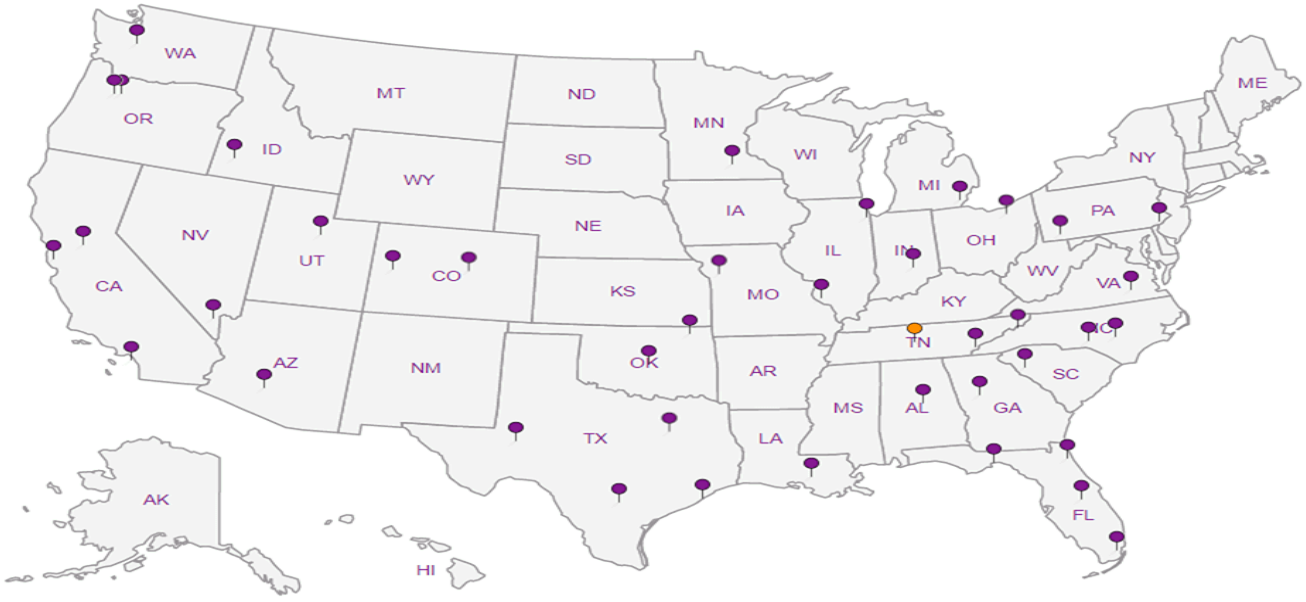
## Third Party & Federal Accreditations

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

[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.**



Company Name/Address:
**Allwyn Consultants**
2223 S 48th St. Suite A
Tempe, AZ 85282

Billing Information: Same

Report to: Holly Land

Email To: HLAND@ALLWYNLLC.com

Project Description: 0183-0001

City/State Collected: AZ

Phone: 623-792-8722
Fax: —

Client Project # 0183-0001

Lab Project #

Collected by (print): Holly Land

Site/Facility ID #

P.O. #

Collected by (signature): Holly Land

Immediately Packed on Ice N X Y ___

**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? X No ___ Yes

Analysis / Container / Preservative

| Sample ID | Comp/Grab | Matrix * | Depth (ft) | Date | Time | No. of Cntrs | Total Lead (6010B) | Rem./Contaminant | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|
| G24-1 | Comp | SS | 0-1 | 5/3/17 | 0855 | 1 | X | | 01 |
| G30-1 | | | 0-1 | | 0858 | 1 | X | | 02 |
| G25-1 | | | 0-1 | | 0909 | 1 | X | | 03 |
| G23-1 | | | 0-1 | | 0910 | 1 | X | | 04 |
| G16-4 | | | 3-4 | | 0917 | 1 | X | | 05 |
| G26-1 | | | 0-1 | | 0924 | 1 | X | | 06 |
| G15-4 | | | 3-4 | | 0938 | 1 | X | | 07 |
| G27-1 | | | 0-1 | | 0945 | 1 | X | | 08 |
| G32-1 | | | 0-1 | | 0956 | 1 | X | | 09 |
| G22-1 | | | 0-1 | | 1000 | 1 | X | | 10 |

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

pH _____ Temp _____
Flow _____ Other _____

Remarks:

| Relinquished by : (Signature) | Date: | Time: | Received by: (Signature) |
|---|---|---|---|
| Holly Land | 5/5/17 | 1502 | Emily Dan |
| Emily Dan | 5/5/17 | 1800 | SWA |
| | | | Received for lab by: (Signature) |

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

Temp: 7.1 °C Bottles Received: 29

Date: 5-6-17 Time: 8:45

Hold #

Condition: (lab use only) OK

COC Seal Intact: X Y ___ N ___ NA

pH Checked: NCF:

Chain of Custody Page 1 of 3

ESC LABORATORY 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# 907554
A154

Acctnum: ALLWYNGAZ
Template:
Prelogin:
TSR:
Cooler:
Shipped Via:

Company Name/Address:
**Allwyn Consultants**
2223 S 48th St. Suite A
Tempe, AZ 85282

Billing Information: Same

Report to: Holly Land

Email To: HLWD@ALLWYNLLC.com

Project Description: 0183-0001

City/State Collected: AZ

Phone: 623-792-8722
Fax: —

Client Project # 0183-0001

Lab Project #

Collected by (print): Holly Land

Site/Facility ID #

P.O. #

Collected by (signature): Holly Land
Immediately Packed on Ice N X Y ___

*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? X No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

ESC LABORATORY 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# 907554

Table #

Acctnum: ALLWYNGAZ

Template:

Prelogin:

TSR:

Cooler:

Shipped Via:

| Sample ID | Comp/Grab | Matrix * | Depth (ft) | Date | Time | No. of Cntrs | Total Lead (6010B) | Rem./Contaminant | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|
| G14-4 | Comp | SS | 3-4 | 5/3/17 | 1015 | 1 | X | | 11 |
| G28-1 | | | 0-1 | | 1018 | 1 | X | | 12 |
| G31-1 | | | 0-1 | | 1025 | 1 | X | | 13 |
| G13-4 | | | 3-4 | | 1048 | 1 | X | | 14 |
| G21-1 | | | 0-1 | | 1050 | 1 | X | | 15 |
| G20-1 | | | 0-1 | | 1110 | 1 | X | | 16 |
| G29-1 | | | 0-1 | | 1111 | 1 | X | | 17 |
| G12-4 | | | 3-4 | | 1115 | 1 | X | | 18 |
| G18-1 | | | 0-1 | | 1118 | 1 | X | | 19 |
| G19-1 | | | 0-1 | | 1130 | 1 | X | | 20 |

* 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) |
|---|---|---|---|
| Holly Land | 5/5/17 | 1502 | Emma Jones |
| Emma Jones | 5/5/17 | 1800 | SWA |
| Relinquished by : (Signature) | Date: | Time: | Received for lab by: (Signature) |
| | | | |

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

Temp: 7.1°C Bottles Received: 29

Date: 5-6-17 Time: 8:45

Condition: OK (lab use only) YOU

COC Seal Intact: ✓ ___Y ___N ___NA

pH Checked: NCF:

Company Name/Address:
**Allwyn Consultants**
2223 S 48th St. Suite A
Tempe, AZ 85282

Billing Information:
Same

Report to: Holly Land

Email To: HLAND@ALLWYNLLC.COM

Project Description: 0183-0001

City/State Collected: AZ

Phone: 623-792-8722
Fax: —

Client Project # 0183-0001

Lab Project #

Collected by (print): Holly Land

Site/Facility ID #

P.O. #

Collected by (signature): Holly Land

Immediately Packed on Ice N X Y ___

**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? X No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 3 of 3

ESC LABORATORY 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# 907554
Table #
Acctnum: ALLWYNGAZ
Template:
Prelogin:
TSR:
Cooler:
Shipped Via:

| Sample ID | Comp/Grab | Matrix * | Depth (in) | Date | Time | No. of Cntrs | Total Lead (6010B) | Rem./Contaminant | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|
| G11-4 | Comp | SS | 3-4 | 5/3/17 | 1145 | 1 | X | | 71 |
| G10-4 | Comp | | 3-4 | | 1220 | 1 | X | | 72 |
| G9-4 | Comp | | 3-4 | | 1235 | 1 | X | | 73 |
| BERM1-1-4 | Grab | | 3-4 | | 1300 | 1 | X | | 74 |
| BERM1-2-4 | Grab | | 3-4 | | 1310 | 1 | X | | 75 |
| BERM1-3-4 | Grab | | 3-4 | | 1318 | 1 | X | | 76 |
| BERM2-1-4 | Grab | | 3-4 | | 1330 | 1 | X | | 77 |
| BERM2-2-4 | Grab | | 3-4 | | 1343 | 1 | X | | 78 |
| BERM2-3-4 | Grab | | 3-4 | | 1355 | 1 | X | | 79 |
| End of Record | | | | | | | | | |

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

pH _____ Temp _____
Flow _____ Other _____

Remarks:

Hold #

Condition: (lab use only) ok pol

COC Seal Intact: X Y ___N ___NA

| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) |
|---|---|---|---|
| | 5/5/17 | 1502 | |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) |
| | 5/5/17 | 1900 | SWA |
| Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) |
| | | | |

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

Temp: 2.1 °C Bottles Received: 29

Date: 5-6-17 Time: 8:45

pH Checked: NCF:

# ESC LAB SCIENCES
## Cooler Receipt Form

| | | | |
|---|---|---|---|
| Client: ALLYNGA | | SDG# | 907559 |
| Cooler Received/Opened On: 5/6/17 | Temperature: | 2.1 | |
| Received By: Timiesha Scott | | | |
| Signature: | | | |

| Receipt Check List | NP | Yes | No |
|---|---|---|---|
| COC Seal Present / Intact? | | ✓ | |
| COC Signed / Accurate? | | ✓ | |
| Bottles arrive intact? | | ✓ | |
| Correct bottles used? | | ✓ | |
| Sufficient volume sent? | | ✓ | |
| If Applicable | | | |
| VOA Zero headspace? | | | |
| Preservation Correct / Checked? | | | |

# ANALYTICAL REPORT

June 27, 2017

## Allwyn Consultants

| | |
|---|---|
| Sample Delivery Group: | L917155 |
| Samples Received: | 06/20/2017 |
| Project Number: | 0183-0001 |
| Description: | 0183-0001 |

Report To: Holly Land
2223 South 48th Street, Suite A
Tempe, AZ 85282

Entire Report Reviewed By:

Daphne R Richards

Daphne Richards
Technical Service Representative



## G17-4 L917155-01 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 05:45
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992171 | 1 | 06/22/17 23:05 | 06/26/17 16:24 | CCE |

## G19-A-1 L917155-02 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 05:50
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992171 | 1 | 06/22/17 23:05 | 06/26/17 17:08 | CCE |

## G19-A-4 L917155-03 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 06:00
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992171 | 1 | 06/22/17 23:05 | 06/26/17 17:11 | CCE |

## G18-4 L917155-04 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 06:04
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992171 | 1 | 06/22/17 23:05 | 06/26/17 17:14 | CCE |

## G20-4 L917155-05 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 06:15
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992171 | 1 | 06/22/17 23:05 | 06/26/17 17:17 | CCE |

## G4-4 L917155-06 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 06:26
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992171 | 1 | 06/22/17 23:05 | 06/26/17 17:20 | CCE |

## G29-4 L917155-07 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 06:31
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992171 | 1 | 06/22/17 23:05 | 06/26/17 17:22 | CCE |

## G8-4 L917155-08 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 06:40
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992171 | 1 | 06/22/17 23:05 | 06/26/17 17:25 | CCE |

## G7-4 L917155-09 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 06:48
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992171 | 1 | 06/22/17 23:05 | 06/26/17 17:33 | CCE |

## G19-D-1 L917155-10 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 06:50
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992171 | 1 | 06/22/17 23:05 | 06/26/17 17:36 | CCE |

## G19-D-4 L917155-11 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 06:55
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992171 | 1 | 06/22/17 23:05 | 06/26/17 17:39 | CCE |

## G28-4 L917155-12 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 07:05
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992190 | 1 | 06/23/17 09:16 | 06/23/17 13:00 | CCE |

## G19-E-1 L917155-13 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 07:35
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992190 | 1 | 06/23/17 09:16 | 06/23/17 13:17 | CCE |

## G19-E-4 L917155-14 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 07:42
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992190 | 1 | 06/23/17 09:16 | 06/23/17 13:26 | CCE |

## G19-I-1 L917155-15 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 08:05
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992190 | 1 | 06/23/17 09:16 | 06/23/17 13:29 | CCE |

## G19-I-4 L917155-16 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 08:15
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992190 | 1 | 06/23/17 09:16 | 06/23/17 13:32 | CCE |

## G19-H-1 L917155-17 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 08:22
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992190 | 1 | 06/23/17 09:16 | 06/23/17 13:35 | CCE |

## G19-H-4 L917155-18 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 08:27
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992190 | 1 | 06/23/17 09:16 | 06/23/17 13:38 | CCE |

## G19-F-1 L917155-19 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 08:30
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992190 | 1 | 06/23/17 09:16 | 06/23/17 13:41 | CCE |

## G19-F-4 L917155-20 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 08:40
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992190 | 1 | 06/23/17 09:16 | 06/23/17 13:44 | CCE |

## G19-C-1 L917155-21 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 08:46
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992190 | 1 | 06/23/17 09:16 | 06/23/17 13:47 | CCE |

## G19-C-4 L917155-22 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 08:50
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992190 | 1 | 06/23/17 09:16 | 06/23/17 13:50 | CCE |

## G19-G-1 L917155-23 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 08:52
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992190 | 1 | 06/23/17 09:16 | 06/23/17 13:53 | CCE |

## G19-G-4 L917155-24 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 08:55
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992190 | 1 | 06/23/17 09:16 | 06/23/17 14:01 | CCE |

## G19-B-1 L917155-25 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 09:07
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992190 | 1 | 06/23/17 09:16 | 06/23/17 14:04 | CCE |

## G19-B-4 L917155-26 Solid

Collected by: Holly Land
Collected date/time: 06/15/17 09:10
Received date/time: 06/20/17 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst |
|---|---|---|---|---|---|
| Metals (ICP) by Method 6010C | WG992190 | 1 | 06/23/17 09:16 | 06/23/17 14:07 | CCE |

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.

Daphne R Richards

Daphne Richards
Technical Service Representative

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 116 | | 0.500 | 1 | 06/26/2017 16:24 | WG992171 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 287 | | 0.500 | 1 | 06/26/2017 17:08 | WG992171 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 298 | | 0.500 | 1 | 06/26/2017 17:11 | WG992171 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 129 | | 0.500 | 1 | 06/26/2017 17:14 | WG992171 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 222 | | 0.500 | 1 | 06/26/2017 17:17 | WG992171 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 174 | | 0.500 | 1 | 06/26/2017 17:20 | WG992171 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 135 | | 0.500 | 1 | 06/26/2017 17:22 | WG992171 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 239 | | 0.500 | 1 | 06/26/2017 17:25 | WG992171 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 72.5 | | 0.500 | 1 | 06/26/2017 17:33 | WG992171 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 224 | | 0.500 | 1 | 06/26/2017 17:36 | WG992171 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 249 | | 0.500 | 1 | 06/26/2017 17:39 | WG992171 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 278 | M1 | 0.500 | 1 | 06/23/2017 13:00 | WG992190 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 553 | | 0.500 | 1 | 06/23/2017 13:17 | WG992190 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 965 | | 0.500 | 1 | 06/23/2017 13:26 | WG992190 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 295 | | 0.500 | 1 | 06/23/2017 13:29 | WG992190 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 138 | | 0.500 | 1 | 06/23/2017 13:32 | WG992190 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 488 | | 0.500 | 1 | 06/23/2017 13:35 | WG992190 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 343 | | 0.500 | 1 | 06/23/2017 13:38 | WG992190 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 892 | | 0.500 | 1 | 06/23/2017 13:41 | WG992190 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 507 | | 0.500 | 1 | 06/23/2017 13:44 | WG992190 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 1960 | | 0.500 | 1 | 06/23/2017 13:47 | WG992190 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 1850 | | 0.500 | 1 | 06/23/2017 13:50 | WG992190 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 344 | | 0.500 | 1 | 06/23/2017 13:53 | WG992190 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 531 | | 0.500 | 1 | 06/23/2017 14:01 | WG992190 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 603 | | 0.500 | 1 | 06/23/2017 14:04 | WG992190 |

## Metals (ICP) by Method 6010C

| Analyte | Result | Qualifier | RDL | Dilution | Analysis | Batch |
|---|---|---|---|---|---|---|
| | mg/kg | | mg/kg | | date / time | |
| Lead | 586 | | 0.500 | 1 | 06/23/2017 14:07 | WG992190 |

## Method Blank (MB)

(MB) R3228794-16 06/26/17 16:16

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Lead | U | | 0.19 | 0.500 |

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

(LCS) R3228794-17 06/26/17 16:19 • (LCSD) R3228794-18 06/26/17 16:21

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 100 | 98.6 | 98.9 | 99 | 99 | 80-120 | | | 0 | 20 |

## L917155-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L917155-01 06/26/17 16:24 • (MS) R3228794-21 06/26/17 16:32 • (MSD) R3228794-22 06/26/17 16:35

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 100 | 116 | 210 | 211 | 94 | 95 | 1 | 75-125 | | | 1 | 20 |

## Method Blank (MB)

(MB) R3228300-1 06/23/17 12:51

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---|---|---|---|---|
| Lead | U | | 0.19 | 0.500 |

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

(LCS) R3228300-2 06/23/17 12:54 • (LCSD) R3228300-3 06/23/17 12:57

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 100 | 99.7 | 101 | 100 | 101 | 80-120 | | | 1 | 20 |

## L917155-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L917155-12 06/23/17 13:00 • (MS) R3228300-6 06/23/17 13:08 • (MSD) R3228300-7 06/23/17 13:11

| 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 % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 100 | 278 | 384 | 412 | 107 | 135 | 1 | 75-125 | | M1 | 7 | 20 |

## 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. |
| 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 |
|---|---|
| M1 | Matrix spike recovery was high, the method control sample recovery was acceptable. |

# ACCREDITATIONS & LOCATIONS

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

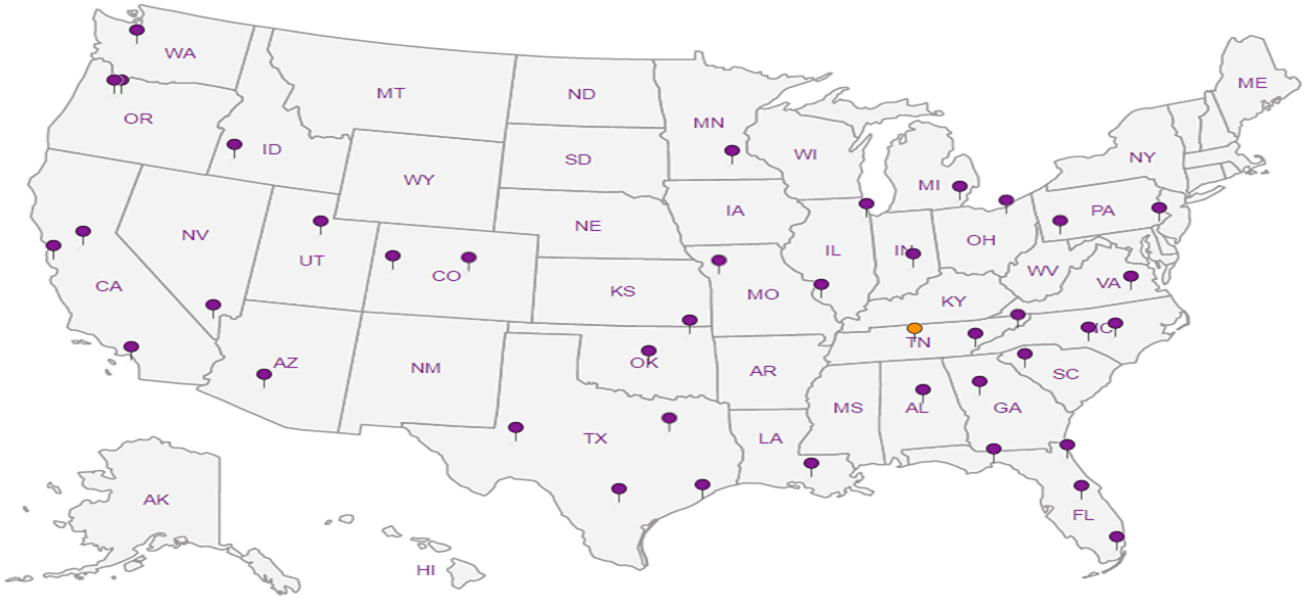
## Third Party & Federal Accreditations

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

[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.**



Company Name/Address:
**Allwyn Consultants**
2223 S 48th St. Suite A
Tempe, AZ 85282

Billing Information: Same

Report to: Holly Land

Email To: HLAND@ALLWYNLLC.com

Project Description: 0183-0001

City/State Collected: AZ

Phone: 623-792-8722
Fax: ——

Client Project # 0183-0001

Lab Project #

Collected by (print): Holly Land

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N X Y ___

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

Date Results Needed: STD TAT

Email? ~~No~~ X Yes
FAX? X No ___ Yes

Analysis / Container / Preservative

| Sample ID | Comp/Grab | Matrix * | Depth | Date | Time | No. of Cntrs | Total Lead (6010B) | Rem./Contaminant | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|
| G17-4 | Comp | SS | 3-4 | 6/15/17 | 0545 | 1 | X | | -01 |
| G19-A-1 | Comp | SS | 0-1 | 6/15/17 | 0550 | 1 | X | | -02 |
| G19-A-4 | Comp | SS | 3-4 | 6/15/17 | 0600 | 1 | X | | -03 |
| G18-4 | Comp | SS | 3-4 | 6/15/17 | 0604 | 1 | X | | -04 |
| G20-4 | Comp | SS | 3-4 | 6/15/17 | 0615 | 1 | X | | -05 |
| G4-4 | Comp | SS | 3-4 | 6/15/17 | 0626 | 1 | X | | -06 |
| G29-4 | Comp | SS | 3-4 | 6/15/17 | 0631 | 1 | X | | -07 |
| G8-4 | Comp | SS | 3-4 | 6/15/17 | 0640 | 1 | X | | -08 |
| G7-4 | Comp | SS | 3-4 | 6/15/17 | 0648 | 1 | X | | -09 |
| G19-D-1 | Comp | SS | 0-1 | 6/15/17 | 0650 | 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) |
|---|---|---|---|
| | 6/19/17 | 1524 | |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) |
| | 6/19/17 | 1800 | SWA |
| Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) |
| | | | |

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ SW
Temp: 3.4 °C Bottles Received: 26
Date: 6/20/17 Time: 1200

Hold #
Condition: (lab use only) 0/K
COC Seal Intact: ___ Y ___ N ___ NA
pH Checked: NCF:

Chain of Custody Page 1 of 3

ESC LABORATORY 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# L917155
A013
Acctnum: ALLWYNGAZ
Template:
Prelogin:
TSR:
Cooler:
Shipped Via:

Company Name/Address:
**Allwyn Consultants**
2223 S 48th St. Suite A
Tempe, AZ 85282

Billing Information: Same

Report to: Holly Land

Email To: HLAND@ALLWYNLLC.com

Project Description: 0183-0001

City/State Collected: AZ

Phone: 623-792-8722

Fax: —

Client Project # 0183-0001

Lab Project #

Collected by (print): Holly Land

Site/Facility ID #

P.O. #

Collected by (signature): Holly Land

Immediately Packed on Ice N X Y ___

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

Date Results Needed: STD TAT

Email? ___No X Yes
FAX? X No ___Yes

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

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# 191755

Table # A013

Acctnum: ALLWYNGAZ

Template:

Prelogin:

TSR:

Cooler:

Shipped Via:

| Sample ID | Comp/Grab | Matrix * | Depth (in) | Date | Time | No. of Cntrs | Total Lead (6010B) | Rem./Contaminant | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|
| G19-D-4 | Comp | SS | 3-4 | 6/15/17 | 0655 | 1 | X | | -11 |
| G28-4 | Comp | SS | 3-4 | 6/15/17 | 0705 | 1 | X | | -12 |
| G19-E-1 | Comp | SS | 0-1 | 6/15/17 | 0735 | 1 | X | | -13 |
| G19-E-4 | Comp | SS | 3-4 | 6/15/17 | 0742 | 1 | X | | -14 |
| G19-I-1 | Comp | SS | 0-1 | 6/15/17 | 0805 | 1 | X | | -15 |
| G19-I-4 | Comp | SS | 3-4 | 6/15/17 | 0815 | 1 | X | | -16 |
| G19-H-1 | Comp | SS | 0-1 | 6/15/17 | 0822 | 1 | X | | -17 |
| G19-H-4 | Comp | SS | 3-4 | 6/15/17 | 0827 | 1 | X | | -18 |
| G19-F-1 | Comp | SS | 0-1 | 6/15/17 | 0830 | 1 | X | | -19 |
| G19-F-4 | Comp | SS | 3-4 | 6/15/17 | 0840 | 1 | X | | -20 |

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

pH ___ Temp ___

Flow ___ Other ___

Hold #

Remarks:

| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) |
|---|---|---|---|
| | 6/9/17 | 1524 | |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) |
| | 6/19/17 | 1800 | SW |
| Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) |
| | | | |

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

Temp: 3.6 °C Bottles Received: 26

Date: 6/20/17 Time: 1200

Condition: OK (lab use only)

COC Seal Intact: ___Y ___N ___NA

pH Checked: NCF:

Chain of Custody Page 3 of 3

ESC LABORATORY 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# L917155
Table # A013
Acctnum: ALLWYNGAZ
Template:
Prelogin:
TSR:
Cooler:
Shipped Via:

Company Name/Address:
**Allwyn Consultants**
2223 S 48th St. Suite A
Tempe, AZ 85282

Billing Information:
Same

Report to: Holly Land

Email To: HLAND@ALLWYNLLC.com

Project Description: 0183-0001

City/State Collected: AZ

Phone: 623-792-8722
Fax: —

Client Project # 0183-0001

Lab Project #

Collected by (print): Holly Land

Site/Facility ID #

P.O. #

Collected by (signature): Holly Land

Immediately Packed on Ice N X Y ___

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

Date Results Needed: STD TAT

Email? ___No X Yes
FAX? X No ___Yes

Analysis / Container / Preservative

| Sample ID | Comp/Grab | Matrix * | Depth (in) | Date | Time | No. of Cntrs | Total Lead (6010B) | Rem./Contaminant | Sample # (lab only) |
|---|---|---|---|---|---|---|---|---|---|
| G19-C-1 | Comp | SS | 0-1 | 6/15/17 | 0846 | 1 | X | | -21 |
| G19-C-4 | Comp | SS | 3-4 | 6/15/17 | 0850 | 1 | X | | -22 |
| G19-G-1 | Comp | SS | 0-1 | 6/15/17 | 0852 | 1 | X | | -23 |
| G19-G-4 | Comp | SS | 3-4 | 6/15/17 | 0855 | 1 | X | | -24 |
| G19-B-1 | Comp | SS | 0-1 | 6/15/17 | 0907 | 1 | X | | -25 |
| G19-B-4 | Comp | SS | 3-4 | 6/15/17 | 0910 | 1 | X | | -26 |

End of Record
Holly Land

* 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) |
|---|---|---|---|
| Holly Land | 6/19/17 | 1524 | Tammy Mer |
| Relinquished by: (Signature) | Date: | Time: | Received by: (Signature) |
| Tammy Mer | 6/19/17 | 1800 | SUSA |
| Relinquished by: (Signature) | Date: | Time: | Received for lab by: (Signature) |
| | | | Holly Land |

Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ SW
Temp: 3.6 °C Bottles Received: 26
Date: 6/20/17 Time: 1200

Condition: OK (lab use only)
COC Seal Intact: ___Y ___N ___NA
pH Checked: NCF:

# ESC LAB SCIENCES
## Cooler Receipt Form

| | | | |
|---|---|---|---|
| Client: ALLWYNGAZ | | SDG# | |
| ~~Cooler Received/Opened On: 06/20/2017~~ | 3.6 Temperature: | | |
| Received By: Keith Hargis | | | |
| Signature: | | | |

| Receipt Check List | NP | Yes | No |
|---|---|---|---|
| COC Seal Present / Intact? | | | |
| COC Signed / Accurate? | | | |
| Bottles arrive intact? | | | |
| Correct bottles used? | | | |
| Sufficient volume sent? | | | |
| If Applicable | | | |
| VOA Zero headspace? | | | |
| Preservation Correct / Checked? | | | |