

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

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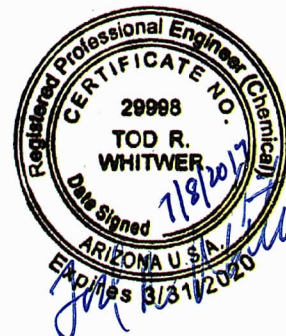


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1.0 INTRODUCTION

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 μ m) 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 1 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 G19-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 comprised 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

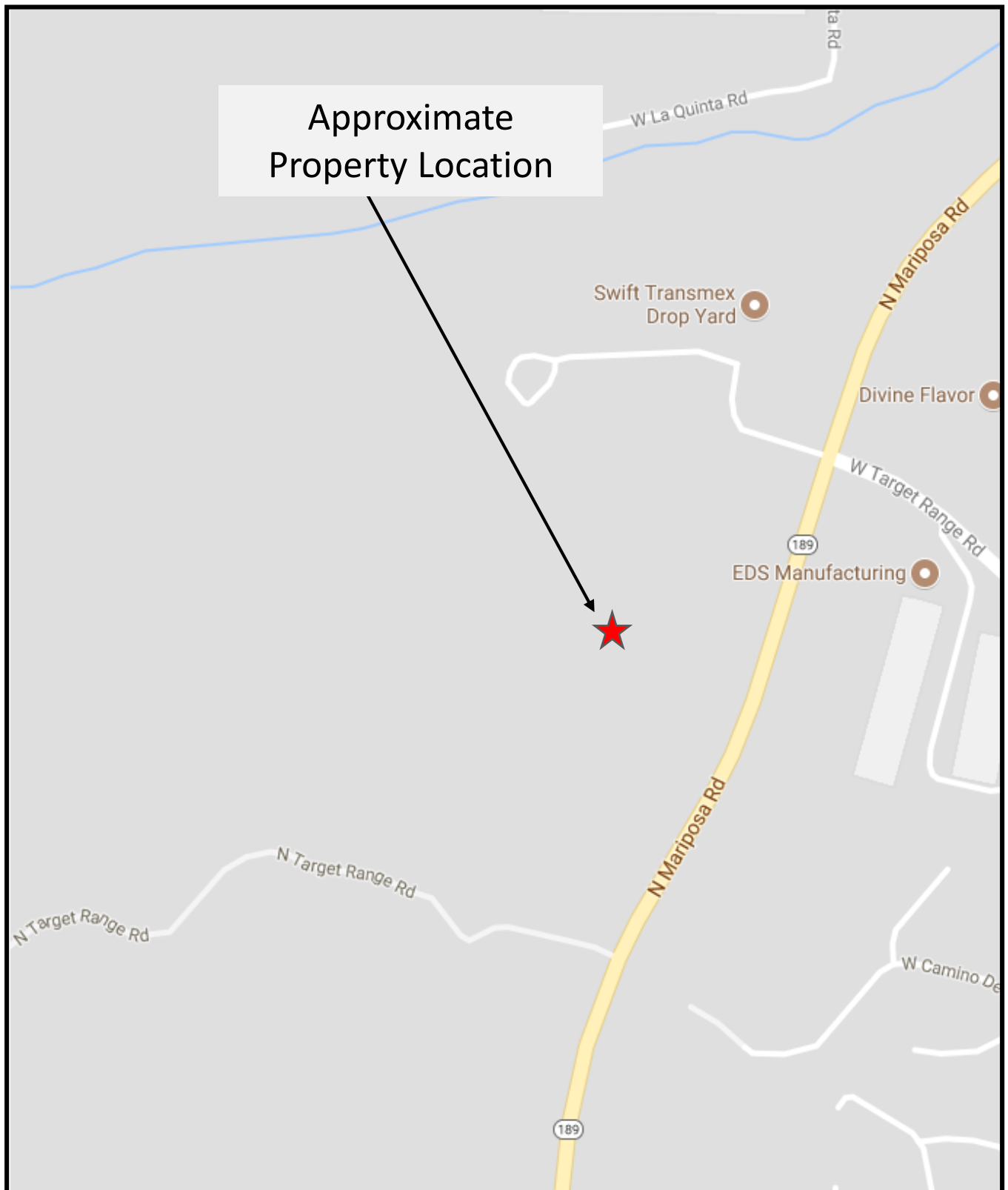
Shaded cell value exceeds non-residential SRL

bgs – Below ground surface

mg/kg – milligrams per kilogram

SRL – Soil Remediation Level

FIGURES



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

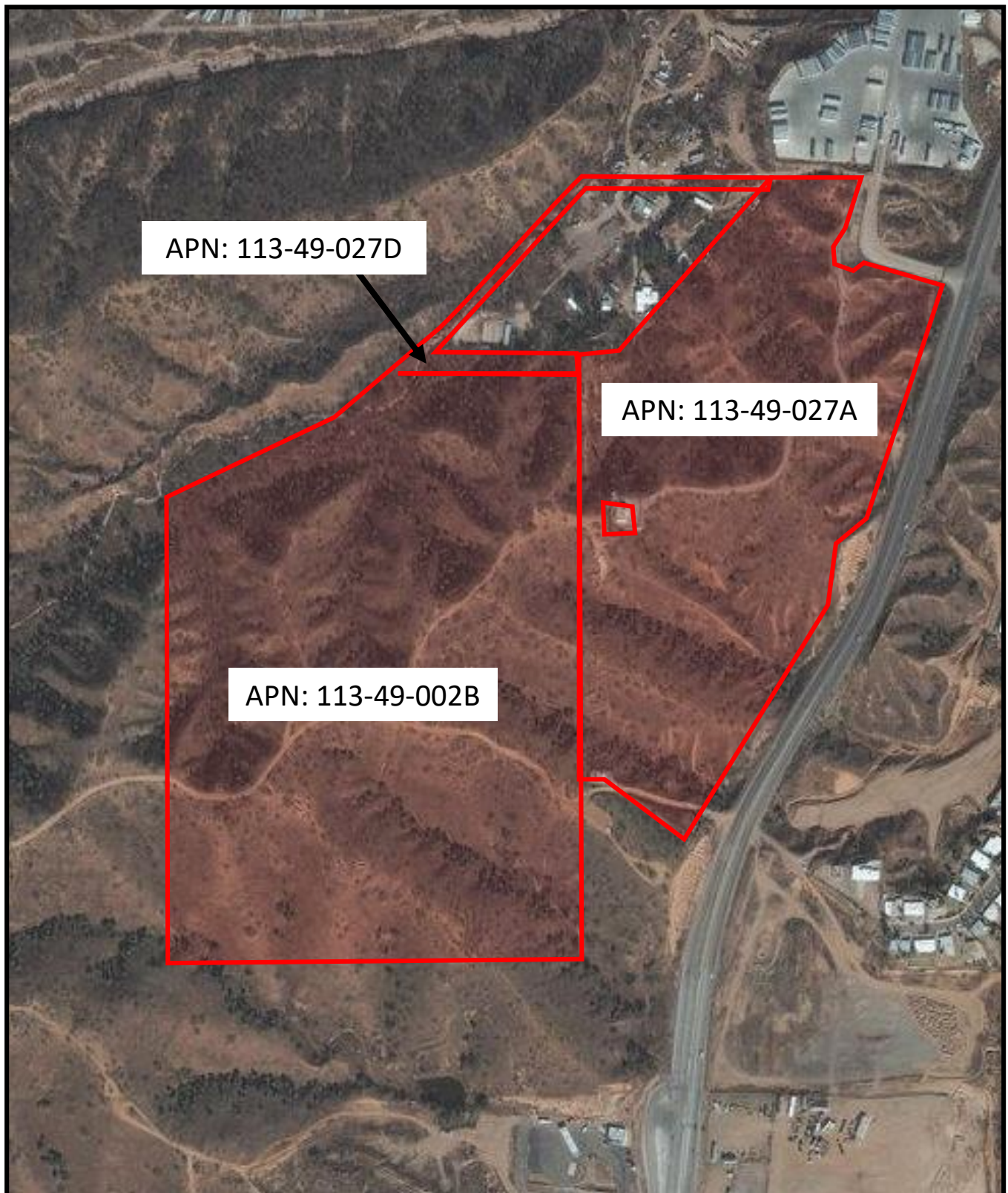
July 8, 2017

Trust #7569

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



Not to Scale



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

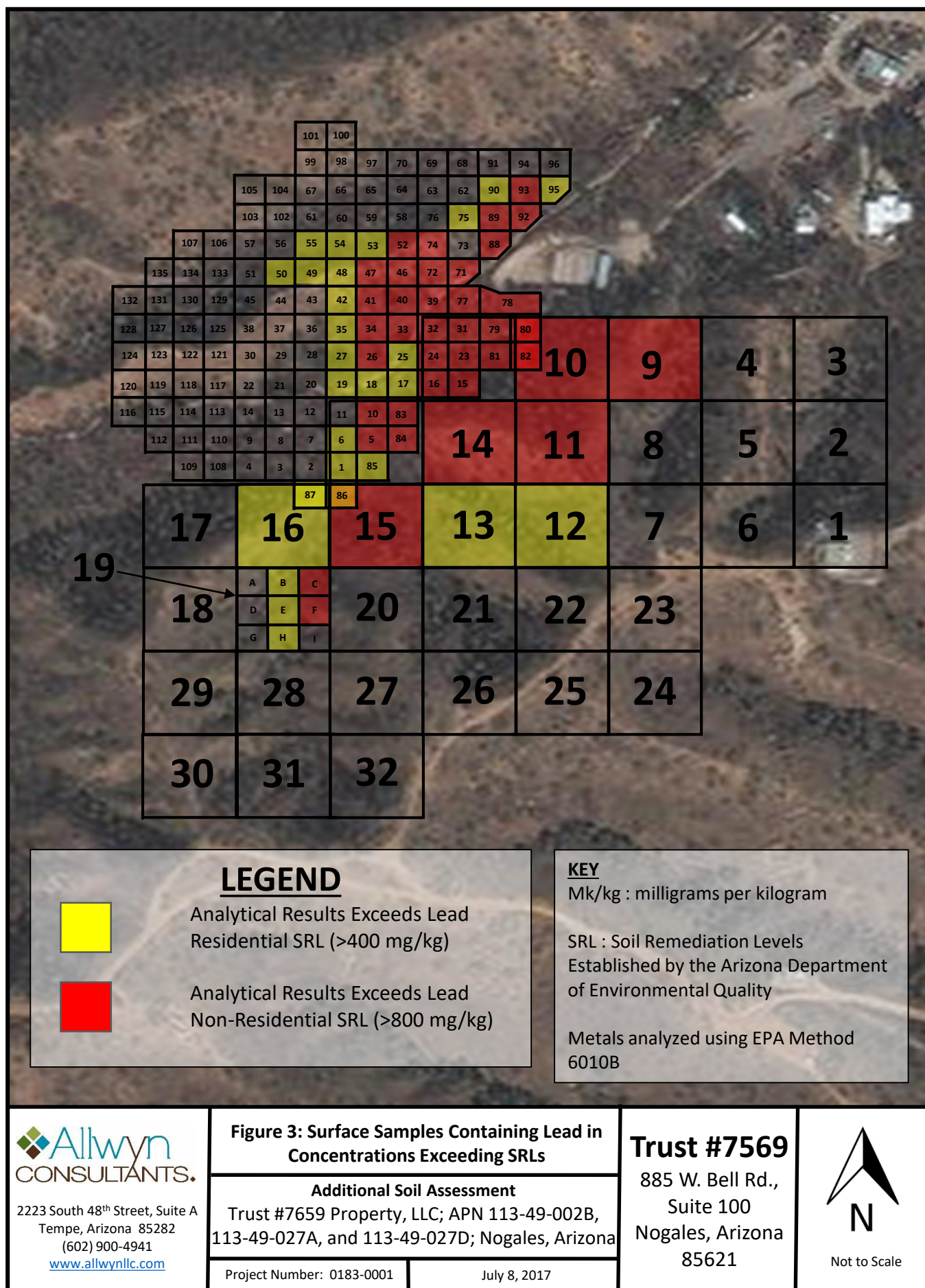
July 8, 2017

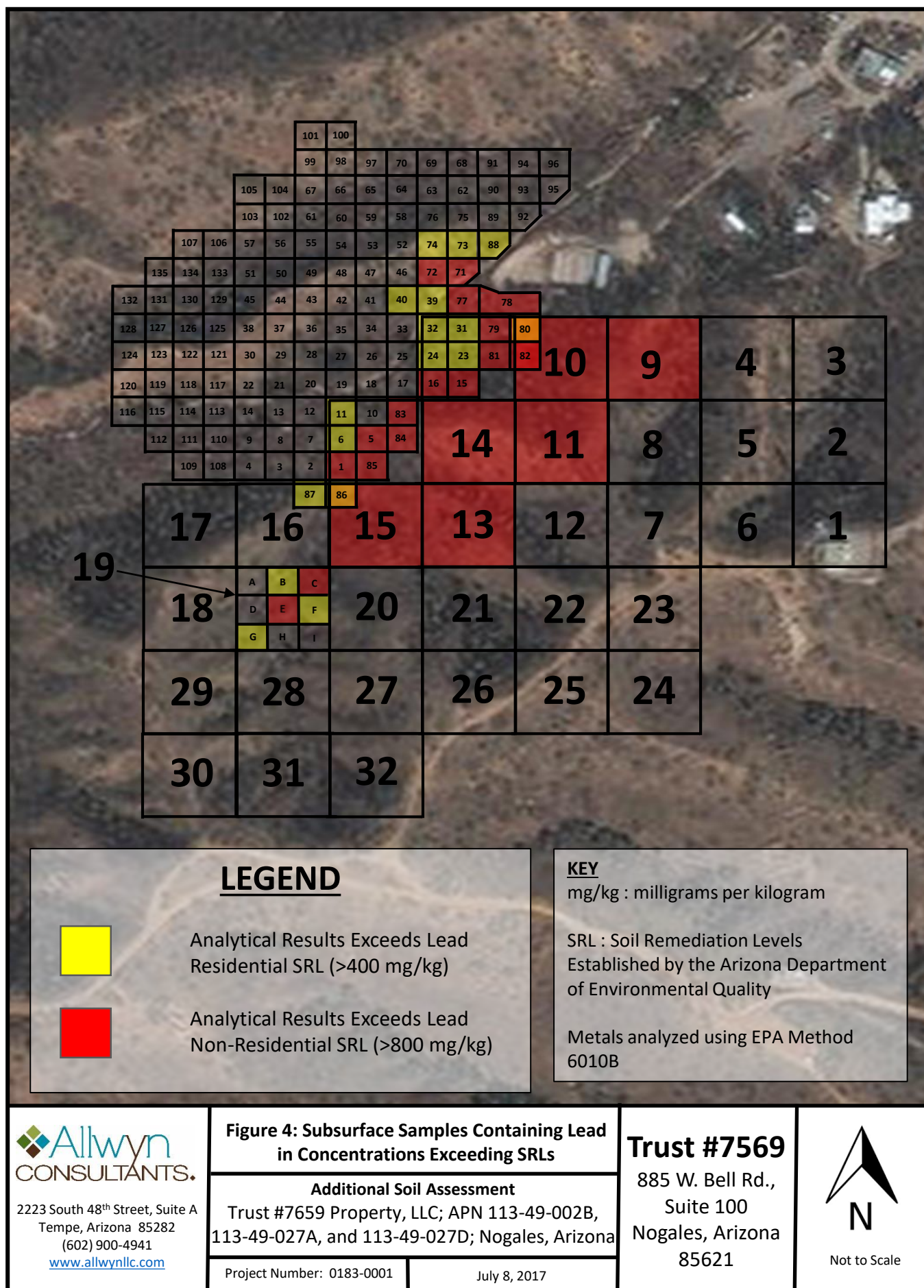
Trust #7569

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



Not to Scale





APPENDIX A

ANALYTICAL LABORATORY REPORTS

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 Richards
Technical Service Representative

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



¹ Cp: Cover Page	1
² Tc: Table of Contents	2
³ Ss: Sample Summary	3
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BERM2-3 L902835-09	15
BERM1-1 L902835-10	16
BERM1-2 L902835-11	17
BERM1-3 L902835-12	18
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G11-1 L902835-14	20
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G4-1 L902835-16	22
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⁹ Sc: Chain of Custody	34



SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



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

¹ Cp² Tc³ Ss

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

⁴ Cn⁵ Sr

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

⁶ Qc⁷ Gl

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

⁸ Al⁹ Sc

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

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



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

¹ Cp² Tc³ Ss

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

⁴ Cn⁵ Sr

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

⁶ Qc⁷ Gl

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

⁸ Al⁹ Sc

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

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



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

¹ Cp² Tc³ Ss

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

⁴ Cn⁵ Sr

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

⁶ Qc⁷ Gl

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

⁸ Al⁹ Sc

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 Richards
Technical Service Representative

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Collected date/time: 04/04/17 10:35

L902835

Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010B

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010B

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010B

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010B

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Collected date/time: 04/04/17 13:25

L902835

Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Collected date/time: 04/04/17 13:35

L902835

Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Collected date/time: 04/04/17 14:00

L902835

Metals (ICP) by Method 6010B

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Collected date/time: 04/04/17 14:10

L902835

Metals (ICP) by Method 6010B

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Collected date/time: 04/04/17 14:20

L902835

Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Collected date/time: 04/04/17 14:35

L902835

Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Collected date/time: 04/04/17 14:45

L902835

Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Collected date/time: 04/04/17 14:50

L902835

Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Collected date/time: 04/04/17 15:20

L902835

Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Collected date/time: 04/04/17 15:55

L902835

Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010B

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010B

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



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.
--	---

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

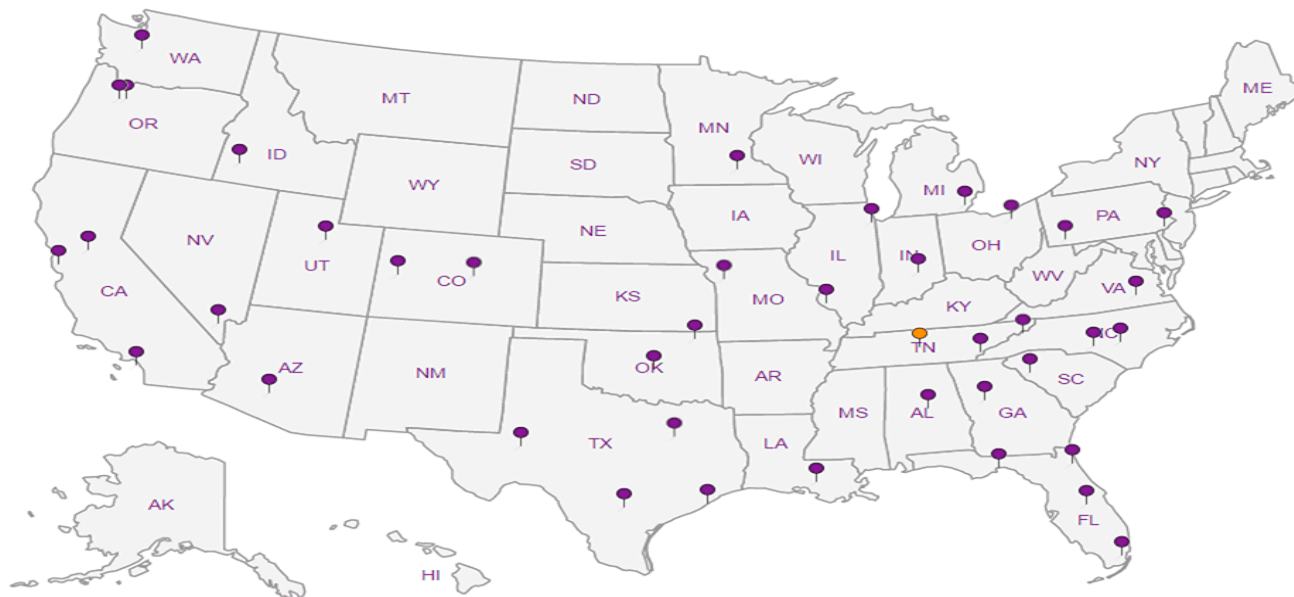
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

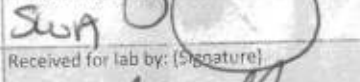
- 1 Cp
- 2 Tc
- 3 Ss
- 4 Cn
- 5 Sr
- 6 Qc
- 7 Gl
- 8 Al
- 9 Sc

Third Party & Federal Accreditations

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

ES&C 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. **ES&C 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: 				Analysis / Container / Preservative										Chain of Custody Page <u>3</u> of <u>3</u>  L.A.B. S.C.I.E.N.C.E.S. YOUR LAB OF CHOICE 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859  L# <u>962875</u> H153 Acctnum: ALLWYNGAZ Template: Prelogin: TSR: Cooler: Shipped Via: Rem./Contaminant Sample # (lab only)	
Report to: Holly Land				Email To: HLAND@ALLWYNLLC.COM				Total Lead (6010B)											
Project Description: 0183-0001				City/State Collected: 															
Phone: 623-792-8722 Fax: —				Client Project # 0183-0001															
Collected by (print): Holly Land				Site/Facility ID # 															
Collected by (signature): 				Date Results Needed 															
Immediately Packed on Ice N ☐ Y ☐				Rush? (Lab MUST Be Notified) ☐ Same Day 200% ☐ Next Day 100% ☐ Two Day 50% ☐ Three Day 25%				Email? ☐ No ☒ Yes FAX? ☒ No ☐ Yes				No. of Cntrs							
Sample ID		Comp/Grab	Matrix *	Depth (in)	Date	Time													
G17-1		Comp	SS	0-1	4/4/17	1035	1												
G16-1		Comp				1100	1												
G15-1		Comp				1125	1												
G14-1		Comp				1140	1												
G13-1		Comp				1205	1												
G10-1		Comp				1225	1												
BERM2-1		Grab				1255	1												
BERM2-2		Grab				1304	1												
BERM2-3		Grab				1309	1												
BERM2-1		Grab				1325	1												
* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____																			
Remarks: Relinquished by: (Signature)  Date: <u>4/13/17</u> Time: <u>0920</u> Received by: (Signature) 																			
Relinquished by: (Signature)  Date: <u>4/13/17</u> Time: <u>1800</u> Received by: (Signature) 																			
Relinquished by: (Signature)  Date: _____ Time: _____ Received by: (Signature) 																			
Samples returned via: ☐ UPS ☐ FedEx ☐ Courier <u>ASWA</u> Temp: <u>3.6</u> °C Bottles Received: <u>23+22</u> Date: <u>4/14/17</u> Time: <u>1230</u>										Hold # _____ Condition: (lab use only) <u>OW</u> COC Seal Intact: <u>Y</u> <u>N</u> <u>NA</u> 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:
HLA@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

Rush? (Lab MUST Be Notified)

Date Results Needed

Immediately
Packed on Ice ☒ Y ☐ N

Same Day 200%
Next Day 100%
Two Day 50%
Three Day 25%

Email? ☐ No ☐ Yes
FAX? ☐ No ☐ Yes

No.
of
Cntrs

Total Lead (6010B)

Analysis / Container / Preservative

Chain of Custody Page 2 of 3



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:

Item/Contaminant Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth (in)	Date	Time	No. of Cntrs														
BERM1-2	Grab	SS	0-1	4/4/17	1330	1	X													11
BERM1-3	Grab				1335	1	X													12
B9-1 ^{HC} G9-1	Comp				1400	1	X													13
B11-1 ^{HC} G11-1	Comp				1410	1	X													14
B12-1 ^{HC} G12-1	Comp				1420	1	X													15
B4-1 ^{HC} G4-1	Comp				1435	1	X													16
B8-1 ^{HC} G8-1	Comp				1445	1	X													17
B3-1 ^{HC} G3-1	Comp				1450	1	X													18
B5-1 ^{HC} G5-1	Comp				1520	1	X													19
B7-1 ^{HC} G7-1	Comp				1552	1	X													20

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

Remarks:

Relinquished by (Signature):

Date: 4/13/17

Time: 0920

Received by (Signature):

Received by (Signature):

Received for lab by (Signature):

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: ☐ UPS

☐ FedEx ☐ Courier ☒ SWA

Temp: _____ °C Bottles Received:

3.6

27

Date: 4/14/17

Time: 1230

Hold #

Condition: (lab use only)

COC Seal Intact: ☒ Y ☐ N ☒ NA

pH Checked:

NCF:

Company Name/Address:

Allwyn Consultants2223 S 48th St. Suite A
Tempe, AZ 85282

Billing Information:

Same

Analysis / Container / Preservative

Chain of Custody Page 3 of 3



YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5856
Phone: 800-767-5859
Fax: 615-758-5859

Report to:

Holly Land

Email To:

HLAND@ALLWYNLLC.COM

Project

Description: 0103-0001

City/State

Collected:

Phone: 623-792-8722

Client Project #

Lab Project #

Fax:

0103-0001

Collected by (print):

Holly Land

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Date Results Needed

Immediately
Packed on Ice N ☒ Y ☐

☐ Same Day 200%
☐ Next Day 100%
☐ Two Day 50%
☐ Three Day 25%

Email? No ☒ YesFAX? ☒ No ☐ YesNo.
of
Cntrs

Total Pb 604103

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs
G6-1	Comp	SS	0-1	4-4-17	1555	1 X
G2-1	Comp	SS	0-1	4-4-17	1610	1 X
G1-1	Comp	SS	0-1	4-4-17	1630	1 X
End of Record						

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

Remarks:

Relinquished by: (Signature)

Date:

4/13/17 0920

Time:

Received by: (Signature)

Relinquished by: (Signature)

Date:

4/13/17 1800

Time:

Received by: (Signature)

Relinquished by: (Signature)

Date:

Time:

Received for lab by: (Signature)

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: ☐ UPS☐ FedEx ☐ Courier ☒ SLWA

Temp: _____ °C Bottles Received:

3.6 23

Date: _____ Time: _____

4/14/17 1230

Hold #

Condition: (lab use only)

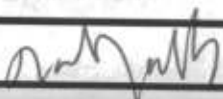
7

COC Seal Intact: Y N NA

pH Checked:

NCF:

ESC LAB SCIENCES Cooler Receipt Form

Client: <u>ALVINGAR</u>		SDG# <u>902875</u>		
Cooler Received/Opened On: <u>4/14 /17</u>		Temperature: <u>30C</u>		
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?				

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 Richards
Technical Service Representative

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



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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



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

¹ Cp² Tc³ Ss

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

⁴ Cn⁵ Sr

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

⁶ Qc⁷ Gl

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

⁸ Al⁹ Sc

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

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



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

¹ Cp

² Tc

³ Ss

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

⁴ Cn

⁵ Sr

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

⁶ Qc

⁷ Gl

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

⁸ Al

⁹ Sc

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

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



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

¹ Cp

² Tc

³ Ss

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

⁴ Cn

⁵ Sr

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

⁶ Qc

⁷ Gl

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

⁸ Al

⁹ Sc

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

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



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

¹ Cp

² Tc

³ Ss

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

⁴ Cn

⁵ Sr

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

⁶ Qc

⁷ Gl

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

⁸ Al

⁹ Sc

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 Richards
Technical Service Representative

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Metals (ICP) by Method 6010C

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICP) by Method 6010C

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICP) by Method 6010C

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Metals (ICP) by Method 6010C

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Metals (ICP) by Method 6010C

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Collected date/time: 05/03/17 10:48

L907554

Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Collected date/time: 05/03/17 10:50

L907554

Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Metals (ICP) by Method 6010C

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Metals (ICP) by Method 6010C

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Collected date/time: 05/03/17 11:15

L907554

Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Collected date/time: 05/03/17 11:18

L907554

Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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.
----	--

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

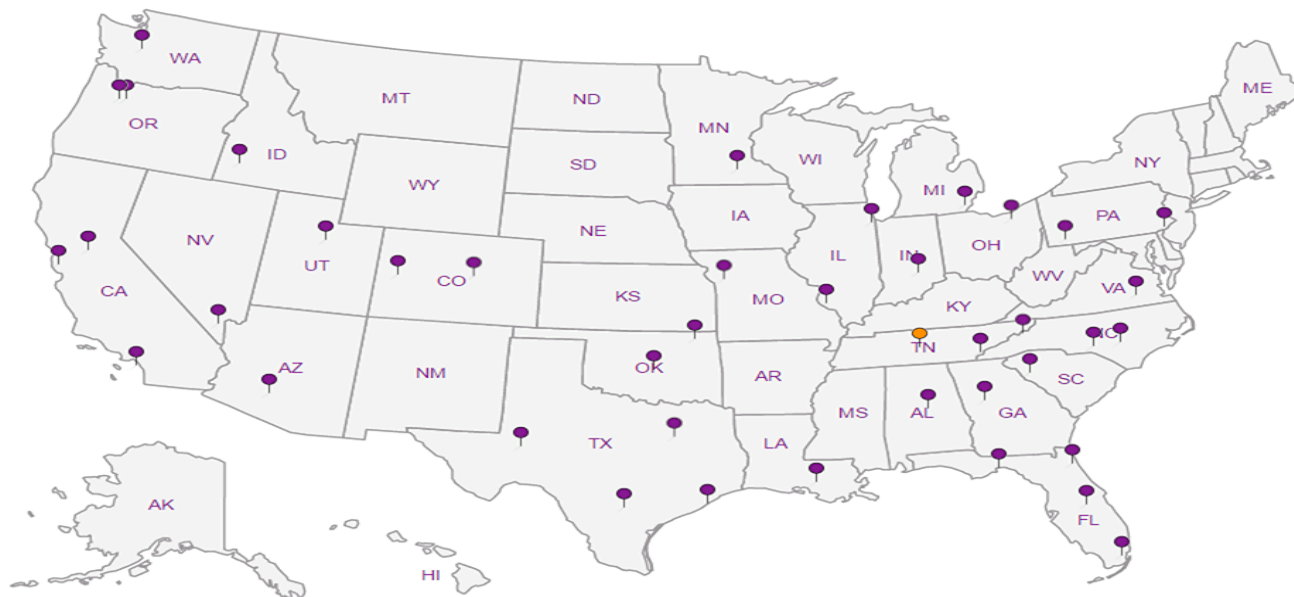
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

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

Third Party & Federal Accreditations

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

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 Consultants2223 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):

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

☐ Same Day 200%
☐ Next Day 100%
☐ Two Day 50%
☐ Three Day 25%

Date Results Needed

Email? ☐ No ☒ YesFAX? ☒ No ☐ YesNo.
of
CntsImmediately
Packed on ice N ☒ Y ☐

Sample ID

Comp/Grab

Matrix *

Depth
(in)

Date

Time

No.
of
Cnts

G24-1

Comp

SS

0-1

5/3/17

0855

1

X

G30-1

|

|

0-1

|

0858

1

X

G25-1

|

|

0-1

|

0909

1

X

G23-1

|

|

0-1

|

0910

1

X

G16-4

|

|

3-4

|

0917

1

X

G26-1

|

|

0-1

|

0924

1

X

G15-4

|

|

3-4

|

0938

1

X

G27-1

|

|

0-1

|

0945

1

X

G32-1

|

|

0-1

|

0956

1

X

G22-1

|

|

0-1

|

1000

1

X

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

pH _____ Temp _____

Flow _____ Other _____

Hold #

Remarks:

Relinquished by: (Signature)

Date:

5/5/17

Time:

1502

Received by: (Signature)

Received by: (Signature)

Received for lab by: (Signature)

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

Temp: _____ °C Bottles Received:

7.1 29

Date: _____ Time: _____

5-6-17 8:45

Condition: (lab use only)

COC Seal Intact: ☒ Y ☐ N ☐ NA

pH Checked: _____ NCF: _____

Analysis / Container / Preservative

Chain of Custody Page 1 of 3



YOUR LAB OF CHOICE

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


L# 907555

A154

Acctnum: ALLWYNGAZ

Template:

Prelogin:

TSR:

Cooler:

Shipped Via:

Item/Contaminant Sample # (lab only)

01

02

03

04

05

06

07

08

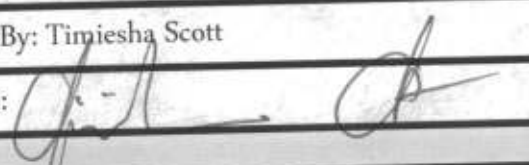
09

10

Total Lead (600B)

[illegible]

ESC LAB SCIENCES Cooler Receipt Form

Client: <u>ALLYNGA</u>	SDG#	<u>907559</u>	
Cooler Received/Opened On: <u>5/6/17</u>	Temperature:	<u>2.1</u>	
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?			

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 Richards
Technical Service Representative

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



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¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



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

¹ Cp

² Tc

³ Ss

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

⁴ Cn

⁵ Sr

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

⁶ Qc

⁷ Gl

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

⁸ Al

⁹ Sc

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

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



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

¹ Cp² Tc³ Ss

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

⁴ Cn⁵ Sr

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

⁶ Qc⁷ Gl

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

⁸ Al⁹ Sc

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

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



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

¹ Cp

² Tc

³ Ss

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

⁴ Cn

⁵ Sr

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

⁶ Qc

⁷ Gl

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

⁸ Al

⁹ Sc

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

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



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

¹Cp²Tc³Ss

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

⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



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 Richards
Technical Service Representative

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Collected date/time: 06/15/17 05:45

L917155

Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Metals (ICP) by Method 6010C

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Metals (ICP) by Method 6010C

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Metals (ICP) by Method 6010C

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Metals (ICP) by Method 6010C

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



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.
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¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

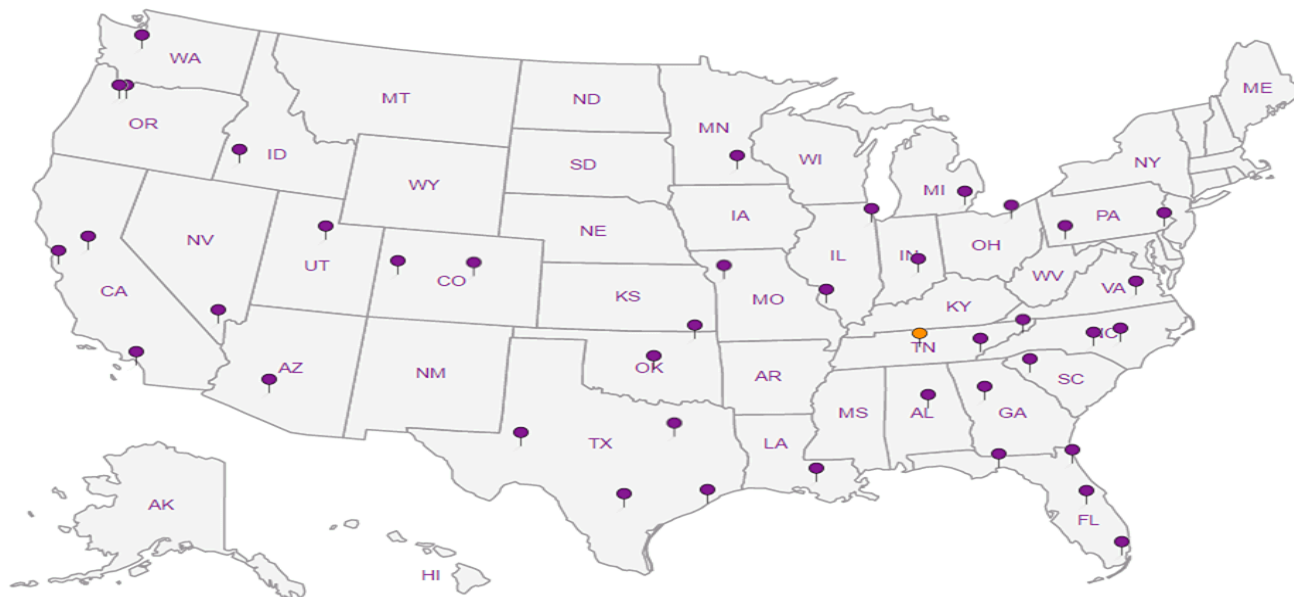
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

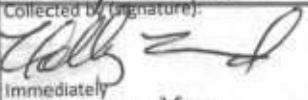
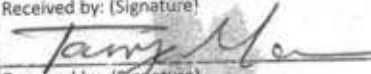
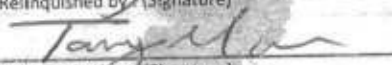
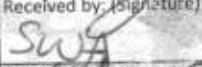
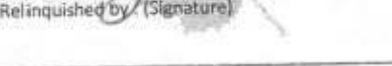
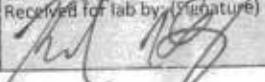
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Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey–NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina 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 ¹⁴	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		

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	IN00003		

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

ES&C 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. **ES&C 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				Analysis / Container / Preservative												Chain of Custody Page <u>1</u> of <u>3</u>  L.A.B S.C.I.E.N.C.E.S YOUR LAB OF CHOICE 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 				
Report to: Holly Land				Email To: HLAND@ALLWYNLLC.COM				Total Lead (6010B)														L# 1917155 T# A013		
Project Description: 0183-0001				City/State Collected: AZ																				
Phone: 623-792-8722 Fax: ---				Client Project # 0183-0001																				
Collected by (print): Holly Land				Site/Facility ID # ---																				
Collected by (signature): 				Date Results Needed STD 7AT																				
Rush? (Lab MUST Be Notified) Same Day 200% Next Day 100% Two Day 50% Three Day 25%				Email? ☒ No ☒ Yes FAX? ☒ No ☐ Yes				No. of Cntrs																
Immediately Packed on Ice ☒ N ☒ Y																								
Sample ID		Comp/Grab	Matrix *	Depth	Date	Time																		
G17-4		Comp	SS	3-4	6/15/17	0545																		
G19-A-1		Comp	SS	0-1	6/15/17	0550																		
G19-A-4		Comp	SS	3-4	6/15/17	0600																		
G18-4		Comp	SS	3-4	6/15/17	0604																		
G20-4		Comp	SS	3-4	6/15/17	0615																		
G4-4		Comp	SS	3-4	6/15/17	0626																		
G29-4		Comp	SS	3-4	6/15/17	0631																		
G8-4		Comp	SS	3-4	6/15/17	0640																		
G7-4		Comp	SS	3-4	6/15/17	0648																		
G19-D-1		Comp	SS	0-1	6/15/17	0650																		
* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____																				pH _____ Temp _____ Flow _____ Other _____		Hold # Condition: (lab use only) COC Seal Intact: <u>Y</u> <u>N</u> <u>NA</u> pH Checked: _____ NCF: _____		
Remarks: Relinquished by (Signature)  Date: 6/19/17 Time: 1524 Received by (Signature) 																				Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☒ SW				
Relinquished by (Signature)  Date: 6/19/17 Time: 1800 Received by (Signature) 																				Temp: _____ °C Bottles Received: 26				
Relinquished by (Signature)  Date: _____ Time: _____ Received for lab by (Signature) 																				Date: 6/20/17 Time: 1200				

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

Collected by (print):
Holly Land

Site/Facility ID #

Collected by (signature):
Holly Land

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

Date Results Needed
STD TAT
Email? ☐ No ☒ Yes
FAX? ☒ No ☐ Yes

No.
of
Cntrs

Packed on Ice N ☒ Y _____

Sample ID	Comp/Grab	Matrix *	Depth (in)	Date	Time		
G19-D-4	Comp	SS	3-4	6/15/17	0655	1	X
G28-4	Comp	SS	3-4	6/15/17	0705	1	X
G19-E-1	Comp	SS	0-1	6/15/17	0735	1	X
G19-E-4	Comp	SS	3-4	6/15/17	0742	1	X
G19-I-1	Comp	SS	0-1	6/15/17	0805	1	X
G19-I-4	Comp	SS	3-4	6/15/17	0815	1	X
G19-H-1	Comp	SS	0-1	6/15/17	0822	1	X
G19-H-4	Comp	SS	3-4	6/15/17	0827	1	X
G19-F-1	Comp	SS	0-1	6/15/17	0830	1	X
G19-F-4	Comp	SS	3-4	6/15/17	0840	1	X

Analysis / Container / Preservative

Total Lead (6010B)

Chain of Custody Page 2 of 3


L.A.B. S.C.I.E.N.C.E.S.
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

QR Code

L# 1917155
Table # A013
Acctnum: ALLWYNGAZ
Template:
Prelogin:
TSR:
Cooler:
Shipped Via:
Item./Contaminant Sample # (lab only)
-11
-12
-13
-14
-15
-16
-17
-18
-19
-20

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

pH _____ Temp _____
Flow _____ Other _____

Hold #

Remarks:
Relinquished by: (Signature) Date: 6/19/17 Time: 1524 Received by: (Signature) Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☒ 5W Condition: (lab use only) OK
Relinquished by: (Signature) Date: 6/19/17 Time: 1800 Received by: (Signature) Temp: °C Bottles Received: 26 COC Seal Intact: ☐ Y ☐ N ☒ NA
Relinquished by: (Signature) Date: Time: Received by: (Signature) Date: 6/20/17 Time: 1200 pH Checked: NCF:

Company Name/Address: Allwyn Consultants 2223 S 48th St. Suite A Tempe, AZ 85282				Billing Information: Same				Analysis / Container / Preservative										Chain of Custody Page 3 of 3  L.A.B S.C.I.E.N.C.E.S YOUR LAB OF CHOICE 12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859 			
Report to: Holly Land				Email To: HLAND@ALLWYNLLC.COM				Total Lead (6010B)												L # 1917155	
Project Description: 0183-0001				City/State Collected: AZ																Table # 4013	
Phone: 623-792-8722 Fax:				Client Project # 0183-0001																Acctnum: ALLWYNGAZ	
Collected by (print): Holly Land				Site/Facility ID #																Template:	
Collected by (signature): 				Date Results Needed STD HAJ																Prelogin:	
Rush? (Lab MUST Be Notified) ☐ Same Day200% ☐ Next Day100% ☐ Two Day50% ☐ Three Day25%				Email? ☐ No ☒ Yes FAX? ☒ No ☐ Yes				No. of Cntrs		TSR:											
Packed on Ice N ☒ Y				Date Results Needed STD HAJ				Cooler:		Shipped Via:											
Sample ID		Comp/Grab	Matrix *	Depth (in)	Date	Time											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 																					
* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____																					
Remarks:																					
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ SW		Hold # Condition: (lab use only) OK COC Seal Intact: Y N NA pH Checked: NCF:											
Relinquished by: (Signature)		Date:		Time:		Received by: (Signature)		Temp: °C Bottles Received: 26													
Relinquished by: (Signature)		Date:		Time:		Received for lab by: (Signature)		Date: 6/20/17 Time: 1200													

ESC LAB SCIENCES Cooler Receipt Form

Client: <u>ALL WYN GAZ</u>	SDG#		
Cooler Received/Opened On: 06/ <u>20</u> /2017	<u>3.6</u> Temperature:		
Received By: Keith Hargis			
Signature: <u>[Signature]</u>			
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?			