Appendix J-2

Phase II Environmental Site Assessment

PHASE II ENVIRONMENTAL SITE ASSESSMENT
MERIDIAN – WEST CAMPUS UPPER PLATEAU

ALL OR PORTIONS OF RIVERSIDE COUNTY APNS:
276-170-001, -007, 294-020-001
297-090-001, -002, -003, -006, -007, -008, -009
297-080-002, -003, -004, -005

RIVERSIDE, CALIFORNIA 92508

Prepared For **MERIDIAN PARK WEST, LLC**
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Upland, California 91786

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Project No. 13226.003

January 17, 2022

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Meridian Park West, LLC.
1156 North Mountain Avenue
Upland, California 91786

Attention: Mr. Timothy Reeves / Mr. Adam Collier

Subject: Phase II Environmental Site Assessment
Meridian - West Campus Upper Plateau
Riverside, California 92508

Leighton Consulting, Inc. (Leighton) is pleased to present this draft copy of the Phase II Environmental Site Assessment for the subject property in Riverside, California, including all or portions of fourteen Riverside County Assessor Parcel Numbers (APNs): 276-170-007, 276-120-001, 294-020-001, 297-090-001, -002, -003, 006, -007, -008, -009, 297-080-002, -003, -004, -005.

If you have questions regarding this report, please contact us. We appreciate the opportunity to be of service to MERIDIAN PARK WEST, LLC.

Respectfully submitted,

LEIGHTON CONSULTING, INC.

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1.0 INTRODUCTION

1.1 Background

In October 2021, Leighton Consulting, Inc. (Leighton) completed a Phase I Environmental Site Assessment (ESA) for the subject site located in Riverside, California ("Site") (see Site Location Map - **Figure 1**).

The Phase I ESA was prepared for MERIDIAN PARK WEST, LLC., in consideration of future development which will consist of various commercial office and warehouse spaces, some limited mixed use (industrial/commercial hyrbrid) development, and park areas. The Phase I ESA identified numerous potential Recognized Environmental Conditions (RECs), and provided associated recommendations for Phase II assessment (Leighton, 2021), summarized herein.

1.2 Objectives

The objective of these Phase II ESA activities was to further assess the potential RECs identified in Leightons prior Phase I ESA (Leighton, 2021).

1.3 Limitations, Exceptions & User Reliance

This investigation was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under similar conditions. Because the scope of the investigation was limited, it is possible that currently unrecognized conditions or contamination might exist at the Site.

The observations and conclusions presented in this report are professional opinions based on the scope of activities, work schedule, and information obtained through the activities described herein, and are limited to the portion of the Site investigated. Opinions presented herein apply to property conditions existing at the time of our study and cannot necessarily be taken to apply to property conditions outside of the area investigated or changes that we are not aware of or have not had the opportunity to evaluate. It must be recognized that conclusions drawn from these data are limited to the portion of the Site investigated, and the amount, type, distribution, and integrity of the information collected at the time of the investigation, and the methods utilized to collect and evaluate the data. The conclusions are intended exclusively for the purpose outlined herein and may not be suitable to satisfy the needs of other users. Thus, any use or reuse of this document is at the sole risk of said user. The Client is also referred to **Appendix G** regarding important information provided by the Geoprofessional Business Association (GBA) on geoenvironmental studies and reports.

This report is for the exclusive use of MERIDIAN PARK WEST, LLC. Use of this report by any other party shall be at such party's sole risk.

2.0 SITE DESCRIPTION

2.1 Location and Legal Description

The location of the Site is shown on attached **Figure 1** (Site Location Map). The Site consists of all or portions of the following fourteen Riverside County Assessor Parcel Numbers (APNs):

APNs

- 276-170-007
- 276-120-001
- 294-020-001
- 297-090-001,-002,-003,-006,-007,-008,-009
- 297-080-002,-003,-004,-005

The Site is defined as the area of proposed future development, plus an approximate 100 foot buffer around the development perimeter (at the request of the client). The area of the proposed development (not including surrounding 100 foot buffer) is approximately 312 acres. The limits of the Site (including approximate 100 foot buffer) are shown on attached **Figure 2.** Also provided on **Figure 2** are the approximate limits of the Riverside APNs.

The Site is part of the former March Air Force Base, and Leighton is unaware of any specific street address associated with the site.

2.2 Property and Vicinity General Characteristics

The Site currently consists of the former March Air Force Base ordnance storage area and surrounding undeveloped land. The ordnance storage area is surrounded by barbed wire-topped fencing, and is occupied by 14 ordnance storage bunkers, seven associated buildings in various states of abandonment, a water tower, and a few small equipment enclosures.

The general vicinity surrounding the Site consists of single and multi-family residential developments (north, west and south), and either vacant land or recently constructed industrial warehousing to the east.

2.3 Current Use of the Subject Property

The undeveloped portions of the Site are unoccupied and largely unused, except for some limited recreational usage (hiking, biking, etc.) by various local area residents. The portion of the Site consisting of the former March Air Force base ordnance storage area is partially used and occupied (during business hours) by a few staff from a fireworks company. The fireworks company is a tenant which uses the former ordnance storage bunkers for the storage of firework products. The tenant has indicated no manufacturing of fireworks products is completed on the Site.

2.4 Descriptions of Structures, Roads and Other Improvements on the Property

The former ordnance storage area of the Site is surrounded by approximate 10-foot high barbed-wire-topped, chain link fencing. The remainder of the Site outside of this fencing is undeveloped land.

The former ordnance storage area is currently occupied by 14 single-story, concrete ordnance storage bunkers (circa 1950's and 1960's), and seven single-story buildings (circa late 1950's to mid 1960's) in various states of abandonment, a water storage tower, and a few small equipment enclosures. Numerous asphalt paved roads, as well as dirt roads, exist within the former ordnance storage area, and connect these various structures.

Areas of the Site which are outside of the former ordnance storage area contain various dirt trails and roads, as well as one paved road (Vista Grande Drive) which is used to access the former ordnance storage area.

The current layout of improvements on the Site is shown in **Figure 2**.

2.5 Current Uses of Adjoining Properties

Properties immediatley adjoining the Site are vacant and undeveloped. Another 100 to 1,000 feet beyond this are various single family residential developments (north, west and south) and a newly constructed industrial warehouse (east).

3.0 PHASE I ESA RECS / CURRENT SCOPE OF WORK

In October 2021, Leighton completed a Phase I Environmental ESA of the Site (Leighton, 2021). Provided below is a summary of the potential Recognized Environmental Conditions (RECs) reported in the Phase I ESA, and the current scope of work completed in response to these identified concerns.

- **Reported REC**

  Building Hazardous Materials - A hazardous materials survey is recommend for all existing buildings, including the ordnance bunkers, a water tower, and a water cooling tower (access to some buildings limited).

  Current Phase II ESA Scope - A hazardous material survey was completed at: 7 buildings, 14 ordnance bunkers, one water tower, one water cooling tower, and other miscellaneous features. Where applicable, the surveys were for: asbestos, Pb-based paint, and Universal Waste Rule items. An inventory of treated wood poles was also completed.

- **Reported RECs**

  U-Shaped Feature - From at least 1962 to 1989, an unknown U-shaped feature (likely concrete pad) and associated access road existed near the northern edge of the Site. Its use is unknown. Limited shallow soil sampling (0-5 feet bgs) focused around the southern, western and northern edges is recommended.

  Historical Storage/Cleared Areas - Various historical areas which were cleared, used for storage, or had former small buildings, existed during the late 1940's and 1950's at several locations in the central portions of the Site. These areas are a concern, and limited shallow soil sampling (0-5 feet bgs) is recommended.

  Current Phase II ESA Scope - Seventeen exploratory trenches were completed in the area of the U-Shaped feature and other historical areas of concern. The exploratory trenches were generally completed to approximately 5 feet below ground surface (bgs), and soil samples collected at several depth intervals (typically 0.5, 2.5 and 5 feet bgs) in each trench.

- **Reported RECs**

  Potential UST Vent Line - *A potential UST vent line was observed on the exterior northern wall of Building 1. Further investigation of this feature is recommended via a geophysical survey.*

<u>Water Cooling Tower</u> - A water cooling tower was observed between Buildings 1 and 2 with evidence of subsurface piping. Older water treatment chemicals are a concern, and limited shallow soil sampling around the base of this cooling tower is recommended. Assessment of the subsurface piping run is also recommended (geophysical survey). The cooling tower itself may contain asbestos containing materials, and its material should be sampled in this regard.

<u>Building 2</u> - The interior of Building 2 contained three tanks of what appeared to be petroleum liquids, and a large amount of process piping (both above the floor and in subgrade concrete-lined trenches) indicating manufacturing processes involving liquids. The manufacturing piping and equipment, and evidence of liquid processes, is a concern, and assessment of the soils beneath this building is recommended.

Current Phase II ESA Scope

In the area between Buildings 1 & 2, a geophysical survey was completed, as well as five exploratory trenches around the water cooling tower. In the area of Building 2, three slant soil borings were completed adjoining/beneath the building. The exploratory trenches were completed to approximately 3.5 feet bgs, and soil samples were collected at approximately 0.5, 2 and 3.5 feet bgs. The slant soil borings were drilled to depths of 15 to 30 feet, with soil sampling conducted at five foot depth intervals.

- **Reported REC**

  <u>Electrical Transformers /Equipment</u> - Pole-mounted electrical transformer banks (substations) were observed east of Buildings 2 and Building 4, with the empty transformer cans on the ground, indicating they may have been scavenged for metals. Also, west of Building 5 are two large pad-mounted electrical transformers, with evidence of leakage onto the soil adjoining one of them. The interior of Building 5 also contains large scale electrical distribution equipment which appears many decades old. Shallow soil sampling for PCBs is recommended near all of the above-mentioned features. At the interior of Building 5, this soil sampling may be substituted with wipe samples of the concrete flooring near the electrical switching equipment.

  Current Phase II ESA Scope

  Five exploratory trenches were completed at two electrical substation areas which had multiple former elevated electrical transformers (adjoining Building 2 and Building 4). Two exploratory trenches were also completed near pad-mounted transformers (adjoining Building 5 and at northeast edge of the Ordnance Storage Bunkers Area).

- **Reported REC**

  <u>Undocumented Stockpile</u> - A decomposed granite stockpile is located on the western portion of the Site. No staining or odors were observed. The source of this stockpile is unknown. Limited sampling of this stockpile is recommended before the material is disturbed or used.

  Current Phase II ESA Scope

  Three soil samples were collected from the decomposed granite stockpile of unknown source.

- **Reported REC**

  <u>Wood Poles</u> - Numerous treated wood utility poles exist at the Site. A specific count was not completed; however, it is likely more than 200. Some of the poles appear to be used for communications, while most are for facility lighting and electrical distribution. Some of the electrical distribution poles contain small pole-mounted transformers. We recommend first that an inventory be completed of the approximate number and types of poles. A plan should then be developed for the representative sampling of treated wood from these poles, as well as the soil beneath those with electrical transformers (for PCBs). This can then provide the basis for a plan for the proper disposal of the poles themselves, as well as any potential PCB impacted soils beneath them.

  Current Phase II ESA Scope - An inventory of wooden poles was completed, and a recommended plan provided for representative sampling of the wood and underlying soil/hardscape beneath those poles with electrical transformers.

4.0 PRE-FIELD ACTIVITIES

4.1 Health and Safety Plan

Prior to starting work, Leighton prepared a site-specific Health and Safety Plan (HASP) which included safety aspects of the work performed at the site. The HASP was completed in general accordance Occupational Safety and Health and Administration (OSHA) regulation 29 CFR 1910.120. The HASP outlined site background, a hazard analysis, emergency procedures, required training and personal protective equipment. The HASP was onsite during field activities. Leighton personnel and field subcontractor staff reviewed and discussed the HASP, and signed a HASP acceptance form prior to work start.

4.2 Utility Clearance

Underground Service Alert (USA) was contacted at least 48 hours prior to the commencement of fieldwork to mark underground utility locations originating off-site from public utilities. The proposed working areas were denoted in white paint prior to contacting USA. In addition, results of the advance geophysical survey (discussed below in **Section 5.0**) were used to supplement the USA notifications to minimize encountering potential subsurface utilities.

4.3 Permitting

No permits were required to complete the subject activities.

5.0 FIELD INVESTIGATION

The field investigation included a geophysical survey between Buildings 1 & 2, collection of soil samples in various Site areas of concern via trenches and soil borings, and completion of a hazardous materials survey of various Site structures. Further details of the field investigations are provided below.

5.1 Geophysical Survey & Results

On October 19, 2021, a geophysical survey was completed in the area between Buildings 1 and 2 to identify potential geophysical anomalies (suspected UST area), as well as the trajectory of subsurface piping connected to a water cooling tower. The survey was also completed at proposed soil sampling locations throughout the Site in order to minimize the likelihood of encountering subsurface utilities.

5.1.1 *Survey Methods*

The equipment used during the survey included: electromagnetic (EM) utility locating equipment, and ground penetrating radar (GPR).

5.1.2 *Survey Results*

Suspect UST Area – The survey revealed a square-shaped anomaly (approximately 15 x 15 feet) near the northern wall of Building 1, in relative close proximity to a vertical pipe (i.e. suspected UST vent line) noted previously during the Phase I ESA. This anomaly was later investigated by excavating the area with a backhoe, and no evidence of a UST was found. The anomaly appears to have been caused by three to five feet thick of soil containing large cobbles and boulders in this area.

Water Cooling Tower Piping - A water cooling tower is located between Buildings 1 and 2, with a pipe exiting the cooler and going into the subsurface (see attached **Photo 1, Appendix B**). This pipe was surveyed to understand its trajectory. The results of the survey indicate it enters the ground at the east of water cooling tower, and then goes north beneath the southern wall of Building 2, and likely connects to the various piping inside Building 2 (see **Photo 2**, **Appendix B**).

5.2 Soil Sampling Methods and Procedures

Soil sampling was completed via exploratory trenching with a backhoe, as well as with hollow stem auger soil borings. The following describes the method and procedures used for field environmental observations and sampling.

5.2.1 *Field Observations Methods & Results*

During soil sampling, field observations were recorded for any potential visual or olfactory evidence of impacts by hazardous substances or petroleum products. Field measurements were also recorded with a field organic vapor meter utilizing a photo-ionization detector (PID). The PID used was a MiniRAE Model 3000, calibrated to 100 ppmv isobutylene.

In exploratory trenches, PID measurements were collected at ground surface over the opening of the trench during its excavation at various depths. In the soil borings, PID measurements were collected at the ground surface, near soil cuttings being brought up by the hollow stem augers, as each boring was advanced.

No unusual odors, unusual discoloration, or detectable PID readings were noted while advancing any of the exploratory soil sampling trenches or soil borings.

5.2.2 *Soil Sampling Procedures*

At exploratory trench locations, soil samples were retained at each sampling depth in two laboratory-provided 4-oz. glass jars with Teflon lined lids. The shallowest two soil samples from each trench were generally obtained directly from the trench sidewall using a cleaned trowel, while the deepest sample from each trench was obtained from the backhoe bucket (due to trench entry/safety issues).

At soil boring locations, soil samples were retained with a spilt spoon sampler lined with 2.0 inch diameter by 6-inch long stainless steel sample sleeves. The split spoon sampler was driven at approximate 5 foot depth intervals along each boring, and each filled stainless steel sample sleeve then capped with Teflon® film and plastic (polyethylene) endcaps.

All soil samples were stored in an ice chest kept at approximately 35 to 40 degrees Fahrenheit prior to transportation to a certified laboratory under strict chain-of-custody procedures. All re-usable soil sampling equipment (hand trowels, core samplers, etc.) was washed prior to each sampling event with a

solution of LIQUINOX™ (a phosphate free detergent), rinsed with potable tap water, and then rinsed again with de-ionized water.

5.3 Soil Lithology

Shallow soils encountered in the sampling trenches (generally upper 5 feet) were noted to be predominantly silty and clayey sands. Soils encountered in the slant soil borings (drilled near Building 2) up to 30 feet deep (along slant angle) were reported to be well graded sands, including weathered bedrock below approximately 5 feet bgs. No groundwater was encountered in any of the trenches (maximum 5 feet bgs) or soil borings (maximum 30 feet deep along slant). Logs of the slant soil borings are provided in **Appendix C**.

5.4 Backfill and Investigative Wastes

Exploratory trenches were each backfilled with the material previously excavated from them. An attempt was made to backfill soils roughly in the reverse order they were removed (deepest removed material backfilled first, and shallowest removed materials backfilled last). Limited compaction effort was made in each trench with the backhoe bucket, and by rolling over the final trench area with the backhoe wheels; otherwise the trenches were not compacted to any specific engineered standards, or tested for such. No large debris judged likely to be hazardous was removed during the trenching.

Soil borings were backfilled with cement bentonite grout. Cuttings from the borings were left on-Site in areas near each boring. No investigative soil wastes were containerized.

A minimal volume of wash and rinse waters was used on-Site for minor small tools, core sampler and hand washing, but was not expected to be significantly impacted, and was disposed on site. Used personal protective equipment (gloves, etc.) was bagged and disposed in a municipal waste bin.

5.5 Soil Sampling Locations & Rationale

All soil sampling completed at the Site was conducted on October 26 through October 28, 2021. The sampling locations, and rationale for same, are discussed below.

5.5.1 *Historical Area of Unknown U-Shaped Feature*

Five sampling trenches were completed near a historical U-shaped feature in an area previously identified to have been actively used between approximately 1962 and 1989. This U-shaped feature is an asphalt covered area, with an asphalt

access roadway leading to it. Evidence of former fencing (fence poles) and ground level barbed wire was noted surrounding this area.

The locations of the sampling trenches, designated **SP1-SP5**, are shown on attached **Figure 3**. The trenches were generally completed around the U-shaped feature, with some emphasis on the southern and western sides, which appeared in historical aerial photographs to be have been actively used. Attached **Photos nos. 3-7** (**Appendix B**) show this general area and associated sampling activities.

5.5.2 *Historical Building/Storage Area 1 (1953)*

Three sampling trenches were completed in this area which was previously cleared and contained a storage building around 1953. No evidence of this clearing, or any building remains at present day.

The locations of the sampling trenches, designated **SP6-SP8**, are shown on attached **Figure 3**. The trenches were randomly located over this historical clearing/building area.

5.5.3 *Historical Cleared Area 1 (1949)*

Four sampling trenches were completed in this area which was previously cleared and appeared actively used in a 1949 aerial photograph. No evidence of this clearing remains at present day.

The locations of the sampling trenches, designated **SP9-SP12**, are shown on attached **Figure 3**. The trenches were randomly located over this historical cleared area.

5.5.4 *Historical Cleared Area 2 & Building Storage Area 2 (1949-1967)*

Five sampling trenches were completed in an area which was previously cleared and appeared actively used in aerial photographs from 1949 through 1967. A building (or temporary shed) also appears to have formerly been in this area in approximately 1953. No evidence of this clearing, or any buildings, remain at present day.

The locations of the sampling trenches, designated **SP13-SP17**, are shown on attached **Figure 4**. The trenches were randomly located over this historical clearing/building area.

5.5.5 *Decomposed Granite Stockpile*

Three grab soil samples were collected from a stockpile of decomposed granite, of unknown origin, which had previously been noted during the Phase I ESA. The locations of the samples, designated **DG1-DG3**, are shown on attached **Figure 4**.

5.5.6 *Water Cooling Tower Area*

Five sampling trenches were advanced surrounding an abandoned water cooling tower located between Site Buildings 1 & 2.

The locations of the sampling trenches, designated **CT1-CT5**, are shown on attached **Figure 5**. The trenches were completed around the perimeter four sides of the cooling tower (CT1-CT4), and one trench was stepped-out laterally to the east (CT5) to follow a subsurface line from the tower which extended east before turning north and going into/below Building 2. Attached **Photos nos. 1 & 8** (**Appendix B**) show this cooling tower and surrounding area.

5.5.7 *Building 2 Area*

Three slant soil borings were drilled around the perimeter of Building 2. Four borings were originally planned (one on each side of the building); however, access was limited on the east side of the building (due to an active bee colony, despite prior professional bee control efforts), and on the north side of the building due to a slope precluding reasonable drill rig access.

The locations of the three completed slant soil borings, designated **SB1-SB3**, are shown on attached **Figure 5**. All three borings were drilled at an approximate 25° angle from vertical, in a direction beneath the adjoining building, to assess soil conditions beneath this building, which had previously been noted to contain various liquid process tanks and piping. The adjoining water cooling tower also has a subsurface line which appears to connect to piping within this building. Attached **Photos nos. 9-10** (**Appendix B**) show completion of the slant soil borings around Building 2.

5.5.8 *Electrical Substation Areas (Building 2 and Building 4)*

Five soil sampling trenches were completed at two small electrical substation areas, each consisting of former elevated electrical transformers (on mounted platforms) within a fenced area. In each case, the transformers had been pulled down and emptied on the ground (likely for metal scavenging).

Three trenches, designated **ES1-1** through **ES1-3**, were sampled in the substation area adjoining the eastern most side of Building 2. Two trenches, designated **ES2-1** & **ES2-2**, were sampled in the substation area east of Building 4. The locations of these trenches are shown on attached **Figure 5**. Attached **Photos nos. 11-13** (**Appendix B**) show completion of soil sampling trenches in the electrical substation areas.

5.5.9 *Pad Mounted Elect. Transformers (Bldg 5 & NE Edge of Ordnance Bunker Area)*

Two soil sampling trenches were completed near two of the largest pad-mounted electrical transformers noted on the Site. These transformers are on the exterior west side of Building 5, a building which appears to have been a main electrical distribution building (based on relict equipment in the interior) for the former ordnance storage area.

The two sample trenches, designated **PD1-1** & **PD1-2**, were completed near stained concrete and soil at the base of a metal shroud surrounding one of the large electrical transformers. The locations of these sample trenches are indicated on attached **Figure 5**. The sampling locations were somewhat limited by steep slopes surrounding the transformer area, and the ability for the backhoe to access this area. Attached **Photos nos. 14-16** (**Appendix B**) show the pad-mounted transformer area and completion of the soil sampling trenches.

Despite both pad-mounted transformers being surrounding by steel shrouds (likely due to security or ballistic protection), the tops of these shrouds were open, and both transformers appeared to have been scavenged for parts or materials. Staining was only noted on the concrete and soil near the base of the northern most pad-mounted transformer.

A sampling trench was also completed near an electrical equipment enclosure at the northeast edge of the ordnance bunkers area. The location of trench **PD2-1** is shown on attached **Figure 4**. **Photo 17** (**Appendix B**) shows the completion of this sampling trench.

5.6 Hazardous Materials Survey Scope & Methodology

The hazardous materials survey was completed by Vista Environmental Consulting (Vista), a subcontractor to Leighton. The scope and methodology of survey is summarized below.

5.6.1 *Survey Scope*

Field work for a hazardous materials survey was completed at the Site between October 20 and 28, 2021. The survey includes the following structures, all of which are within the former ordnance storage area (security fenced area) of the Site:

- Seven buildings (Buildings 1-7) (see **Photo 18, Appendix B**)
- 14 ordnance bunkers (see **Photo 19, Appendix B**)
- One water tower (north of Building 2) (see **Photo 12, Appendix B**)
- One water cooling tower (between Building 1 and 2) (see **Photo 8, Appendix B**)
- Two small outbuildings in the ammunition bunker area (see **Photos 20-22**); and
- The roadways and parking areas of the Site.

The scope of the hazardous materials survey included testing for materials which could be impacted by any future construction activities. Included were visual investigations, testing for Lead-Based Paint (LBP), bulk sampling for Asbestos, and in selected buildings of concern, wipe sampling for metals and/or Polychlorinated Biphenyls (PCBs). In addition, at the request of the client, an inventory was completed of treated wooden utility poles at the Site.

5.6.*2* *Asbestos Testing Methodology*

The asbestos survey was performed in general accordance with the AHERA protocol (40 CFR Part 763, Subpart E) and the requirements of SCAQMD Rule 1403. Visual identification was performed by assessing visible and accessible structural, architectural, and mechanical components for the presence of suspect asbestos-containing material (ACM). Identified suspect ACMs were sampled in accordance with procedures established by the United States Environmental Protection Agency (USEPA). The samples were delivered to a laboratory accredited under the National Voluntary Laboratory Accreditation Program (NVLAP No. 500044-0) and the California Environmental Laboratory Accreditation Program (Cal/ELAP No. 2823). The samples were analyzed by Polarized Light Microscopy (PLM) utilizing dispersion staining techniques.

5.6.3 *Lead Testing Methodology*

Suspect lead-containing surface coatings (LCSCs), lead-based paints (LBPs) and lead-bearing substances (LBS) were identified via visual inspection. Representative surface coatings and materials were tested by a direct-reading X-Ray Fluorescence (XRF) device. This survey was a limited screening of paint for the purpose of characterizing the lead content in paint and coatings likely to be disturbed during future construction activities. The survey data can be helpful in evaluation of lead-related environmental risks in general, but cannot be used to calculate worker exposures, and is not a substitute for employee exposure monitoring or waste stream sampling.

5.6.4 *Wipe Sampling Methodology*

Buildings 2, 3, 4 and 5 all appeared to have some form of industrial or mechanical areas, and were also assessed for either PCBs and/or metals contamination, as determined to be appropriate by the survey team in the field. This contamination assessment was performed by collecting wipe samples.

Wipe sampling for PCBs was performed following USEPA guidelines outlined in 40 CFR 761. Each wipe sample for PCBs was collected as follows:

1. A ten centimeter by ten centimeter sampling template was laid upon the surface to be tested.

2. A sterile gauze sampling pad was saturated with a few milliliters of hexane, wetting the sampling media.

3. The sampling area within the template was wiped three times, including an “S” wipe from right to left, an “S” wipe from top to bottom, and then a wipe around the perimeter of the sampling area in an ever-tightening circle until complete at the center of the sampling area.

4. The used wipe sampling media was placed in a borosilicate glass sample jar (four or six ounce) with a Teflon™-lined lid, closed, and a unique sample number was written on both the glass jar and the lid of each sample. Samples were then placed on ice in a cooler.

5. All pertinent sample information was recorded on a sampling form prior to moving on to the next sampling location.

Wipe sampling for metals was performed following Cal/OSHA guidelines outlined in 8 CCR 1532.1, 22 CCR 35000-36100, 29 CFR 1926.62, 40 CFR 765 and the OSHA Field Manual. Each wipe sample for metals was collected as follows:

1. A twelve inch by twelve inch sampling template was laid upon the surface to be tested.

2. A Ghost Wipe™ sampling wipe was utilized to wipe the sampling area three times, including an "S" wipe from right to left, an "S" wipe from top to bottom, and then a wipe around the perimeter of the sampling area in an ever-tightening circle until complete at the center of the sampling area.

3. The used wipe sampling media was placed in an HDPE centrifuge tube with a Teflon™-lined lid, closed, and a unique sample number was written on both the centrifuge tube and the lid of each sample. Samples were then placed on ice in a cooler.

4. All pertinent sample information was recorded on a sampling form prior to moving on to the next sampling location.

5.6.5 *Other Assessments*

The assessments of potential treated wood wastes and Universal Waste Rule items was performed visually. No sampling was performed for these items during this initial investigation, only a noting/inventory of these items, and recommendations for future actions.

6.0 HAZARDOUS MATERIALS SURVEY RESULTS

The hazardous materials survey was completed by Vista Environmental Consulting (Vista), a subcontractor to Leighton. Provided in this section is a summary table of the survey results. It is noted that this summary table, and prior summary discussion of scope and methodology (Section 5.6), are limited in information and detail, are provided only for convenience, and should not be relied upon as a stand-alone hazardous material survey report. Attached in **Appendix D** is the Vista hazardous materials report providing more direct and detailed information on the survey scope, methods, results, conclusions and recommendations.

6.1 Summary Results

Table 6A below is a brief summary of those concerns identified by the hazardous material survey for each structure at the Site. The various structure locations on the Site are shown on Figure 1 (within the Vista report in **Appendix D**):

Table 6A – Summary of Hazardous Materials Survey Results

Structure	LBP	Non Friable ACM	Friable ACM	Wipe Samples	UWRs	Other
Building 1	**Yes**	No	No	No	No	**Bldg. Interior inaccessible**
Building 2	**Yes**	**Yes**	**Yes**	**Yes - Cd, Cr, Pb / No – PCBs**	**Various**	**Pb exceeds interior standards**
Building 3	**Yes**	**Yes**	No	No	No	No
Building 4	**Yes**	**Yes**	**Yes**	**No – PCBs**	**Various**	**CFC**
Building 5	**Yes**	**Yes**	No	**Yes – Cd. Cr, Pb / No – PCBs**	**Various**	**numerous capacitors**
Building 6	**Yes**	**Yes**	No	**No**	**Various**	**CFC**
Building 7	**Yes**	**Yes**	No	No	No	No
Bunker 5022	**Yes**	**Yes**	No	No	No	No
Structure	**LBP**	**Non-Friable**	**Friable ACM**	**Wipe Samples**	**UWRs**	**Other**
Bunker 5023	**Yes**	**Yes**	No	No	No	No
Bunker 5024	**Yes**	**Yes**	No	No	No	No
Bunker 5025	**Yes**	**Yes**	No	No	No	No

Bunker 5026	**Yes**	**Yes**	No	No	No	No
Bunker 5027	**Yes**	**Yes**	No	No	No	No
Bunker 5028	**Yes**	**Yes**	No	No	No	No
Bunker 5029	**Yes**	**Yes**	No	No	No	No
Bunker 5030	**Yes**	**Yes**	No	No	No	No
Bunker 5033	**Yes**	**Yes**	No	No	No	No
Bunker 5034	**Yes**	**Yes**	No	No	No	No
Bunker 5035	**Yes**	No	No	No	No	No
Bunker 5036	**Yes**	No	No	No	No	No
Bunker 5037	**Yes**	**Yes**	**Yes**	No	No	No
Water Tower	No	No	No	No	No	No
Water Cooling Tower	No	**Yes**	No	No	No	**Metals Contam. Wood**
Shed (NE of Bunker 5026)	**Yes**	No	No	No	**Battery**	No
Enclosure (SW of Bunker 5026)	**Yes**	No	No	No	No	No
Power & Lighting Poles	**Yes**	No	No	No	**509 Lamps**	**376 Wood Poles 42 Transformers**
Roads & Parking Areas	**Yes**	No	No	No	No	**Yellow Safety Lines**

LBP = Lead Based Paint
ACM = Asbestos Containing Material
ACCM = Asbestos Containing Construction Material
UWR – Universal Waste Rule
PCB = Polychlorinated Biphenyls
CFC – Chlorofluorocarbon (refrigerant R-22)
Cd = Cadmium
Cr = Chromium
Pb = Lead

6.2 Summary of Key Recommendations

A summary of key recommendations resulting from the hazardous material survey is provided below. This summary is provided for convenience, and should not be relied upon as a stand- alone report. Attached in **Appendix D** is the Vista hazardous materials

survey report providing more complete and detailed information on the conclusions and recommendations.

6.2.1 *Asbestos*

- Abestos Containing Materials (ACMs) are present in numerous of the Site structures. Any future activities which impact these materials shall be considered asbestos–related work. Asbestos-related work must be completed by a CSLB-licensed contractor holding a Cal/DOSH registration for such work, and notifications to SCAQMD and Cal/OSHA are required. It is recommended that asbestos-related work also be completed under the auspices of a certified asbestos consultant.

- Work performed during any activities (i.e. drilling, cutting, sanding, scraping) that disturb the asbestos-containing materials identified in this report must be done in compliance with the most recent edition of all applicable federal, state, and local regulations, standards, and codes governing abatement, transport, and disposal of asbestos-containing materials. In three areas (Building 2, Building 4, Bunker 5037, damaged friable ACMs were identified. Asbestos removal in these areas must be performed under the auspices of an SCAQMD-approved Procedure 5 work plan.

- Materials encountered at the Site, including potential subsurface utilities that may be made of asbestos-cement or coated with asbestos-containing insulations, that are not part of this report must be properly sampled for the content of asbestos, or assumed to be asbestos containing prior to any disturbance

6.2.2 *Lead*

- Testing of various painted, coated or glazed finishes indicates that there are Lead-Based Paints (LBPs) at numerous locations on the Site which are likely to be impacted by future demolition activities. Due to various factors and regulatory guidelines, it is recommended that all painted or coated surfaced be treated as potentially containing lead.

- Written notification to Cal/OSHA must be completed if 100 square feet, or 100 linear feet, or more, of LBP activities are involved.

- All activities involving identified lead-based paints must be conducted in accordance with 17 CCR Sections 35001 through 36100, and 8 CCR 1532,

both of which prescribe the use of CDPH-certified workers, work practices, and other requirements, including written notification of work. In addition, all activities involving potential and identified lead-containing surfaces should also be conducted in accordance with California Health & Safety Code sections 17920 and 10525, and 8 CCR 1532. Any welding, cutting or heating of metal surfaces containing surface coatings should be conducted in accordance with 29 CFR 1926 and 8 CCR 1537.

- Any employee that works around potential lead-based or lead-containing coatings must have various training and certifications.

- The lead testing data cannot be relied upon for understanding employee exposure to airborne contaminants, and are not a substitute for employee exposure monitoring.

6.2.3 *PCBs and Metals Contamination*

- Wipe samples collected within Buildings 2, 3, 4 and 5 indicate no identified PCBs. It appears that surficial PCB contamination inside these buildings is not an issue.

- There are 42 pole-mounted transformers. There is also a black electrical wrap present on power feeds coming down off of pole-mounted transformers, and high power lines, which may be wrapped with a PCB-containing product called Askerals. There are also 29 small capacitors on the ground inside and outside Building 5. It is recommended that each of these potential PCB-containing items be sampled in accordance with 40 CFR 761 to determine if they are PCB-containing as defined therein. If PCBs are identified in these features, it is further recommended that an assessment of nearby soils and/or hardscapes for PCBs be performed in accordance with the requirements set forth in 40 CFR 761.

- Metals were detected in all wipe samples collected and analyzed from Buildings 2, 3 and 5. Samples from Building 2 and 5 specifically indicated lead concentrations in excess of 40 micrograms per square foot, presenting a lead hazard, as defined in 8 CCR 1532.1 and 22 CCR 35000-36100. Warning signage, indicating “Lead Hazard Area” should be installed in these buildings immediately per 8 CCR 1532, and access restricted to all but certified lead workers.

- Prior to demolition, Buildings 2, 3, and 5 should be decontaminated for Cadmium, Chromium and/or Lead, as applicable, in accordance with regulatory requirements set forth in 8 CCR 1532, 29 CFR 1926, 22 CCR35000-36100 and 40 CFR 7654, as applicable, based on the metal(s) involved.

- The results of the bulk sampling of wooden components of the Cooling Tower located between Buildings 1 and 2 indicated numerous metals are present, though at levels identified as relatively low. Demolition of the Cooling Tower structure should be performed in accordance with the following regulatory requirements: 8 CCR 1532, 29 CFR 1926, 22 CCR 35000-36100, 40 CFR 765, and 8 CCR 5155.

6.2.4 *Other Hazardous Materials*

- Universal Waste Rule items were identified throughout the Site. Universal Waste Rule items should be managed in accordance with 22 CCR, Division 4.5, Chapter 23 and 40 CFR 273.

- Potential treated wood wastes were identified at the Site including: 1) wood power poles, 2) wood perimeter fence lighting poles, 3) wood security lighting and camera poles, 4) large wood communication poles, and 5) treated wood utilized at power substations. Approximately 376 wooden poles are present at the Site. It is recommended that the major types of potential treated wood waste be properly assessed for typical wood treatments to determine worker protection and waste disposal requirements. A representative number of samples should be collected and analyzed for Creosote components, Pentachlorophenol, Copper, Chromium and Arsenic. Based on the results, additional testing may be required.

- The various wastes identified at the Site may be characterized as hazardous wastes under California and federal RCRA standards, and therefore require proper waste characterization, handling, packaging, labeling, and transportation under a proper manifest to a permitted hazardous waste storage, treatment and disposal facility, where wastes are deemed hazardous.

7.0 SOIL SAMPLING RESULTS

7.1 Soil Samples - Analytical Methods

Soil samples from various areas of the Site were selectively analyzed for the following compounds, using the USEPA analytical methods described below:

Table 7A: Analytical Methods

Compound	USEPA Method	Notes / Method Detection Limits (MDLs)
Total Petroleum Hydrocarbons (TPH)	8015B	C_5-C_{44} carbon chain range Standard MDLs= 10 to 50 mg/kg
Semi Volatile Organics (SVOCs)	8270C	Standard MDLs = 0.014 to 0.387 mg/kg
Organochlorine Pesticides (OCPs)	8081A	Standard MDLs = 0.0001 to 0.010 mg/kg
PCBs	8082	Standard MDLs = 0.005 mg/kg
Chlorinated Herbicides (CH)	8151A	Standard MDLs = 0.01 – 10 mg/kg
Asbestos	600/R-93/116 600/MR-82-020	MDL = 1%
Title 22 Metals / Individual Metals	6010B / 7471A	17 metals Standard MDLs = 0.0062 to 0.432 mg/kg

All analyses were completed at a laboratory with ELAP certifications for the analyses conducted.

7.2 Soil Samples - Analytical Results

The soil matrix sample analytical data are provided in attached **Table nos. 1 & 2**. Soil screening levels (SLs) established by the USEPA and State of California Department Toxic Substances Control (DTSC) for commercial/industrial property usage are also provided on these tables. A discussion of the results is provided below for each of the areas investigated.

7.2.1 *Historical Area of Unknown U-Shaped Feature (1962-1989)*

Sampling trenches **SP1-SP5** were completed in this area, which was previously identified to have been actively used between approximately 1962 and 1989. This U-shaped feature is an asphalt covered area, with an asphalt access roadway leading to it. A summary of analytical results is as follows:

- **TPH** - No TPH C_5-C_{44} was detected in any of the analyzed soil samples, except for 18.7 mg/kg of TPH C_{10}-C_{28} (diesel range) in one sample (SP4-0.5).

- **SVOCs** - No detected SVOCs were reported in any of the five soil samples analyzed from this area.

- **OCPs** - Trace concentrations of 4,-4' DDE (0.0008 mg/kg maximum) and Endrin Aldehyde (0.0006 mg/kg maximum) were reported in three of six samples analyzed for OCPs. Every other OCP compound was reported to be not detected.

- **PCBs** - No detected PCBs were reported in any of the six samples analyzed from this area.

- **Title 22 Metals** – Seven soil samples from this area (most from 0.5 feet bgs, and a few from 2.5 feet bgs) were analyzed, and were reported to have Title 22 metals either not detected, or detected at concentrations below the respective metal screening level for commercial/industrial use soil. The maximum reported lead concentration in these samples is 6.66 mg/kg.

7.2.2 *Historical Building/Storage Area 1 (1953)*

Sampling trenches **SP6-SP8** were completed in this area, which was previously cleared and contained a storage building around 1953. A summary of analytical results is as follows:

- **TPH** - No detected TPH C_5-C_{44} was reported in any of the six analyzed soil samples from this area.

- **SVOCs, OCPs, PCBs** - No detected SVOCs, OCPs or PCBs were reported in any of the four soil samples analyzed from this area.

- **Title 22 Metals** - Six soil samples from this area (half from 0.5 feet bgs, and half from 2.5 feet bgs) were analyzed, and were reported to have Title 22 metals either not detected, or detected at concentrations below the respective metal screening levels for commercial/industrial use soil. The maximum reported lead concentration in these samples is 1.95 mg/kg.

7.2.3 *Historical Cleared Area 1 (1949)*

Sampling trenches **SP9-SP12** were completed in this area which was previously cleared and appeared actively used in a 1949 aerial photograph. A summary of analytical results is as follows:

- **TPH** - No detected TPH C_5-C_{44} was reported in any of the six analyzed soil samples from this area.
- **SVOCs, OCPs, PCBs** - No detected SVOCs, OCPs or PCBs were reported in any of the four soil samples analyzed from this area.
- **Title 22 Metals** - Four soil samples from this area (all from 0.5 feet bgs) were analyzed, and were reported to have Title 22 metals either not detected, or detected at concentrations below the respective metal screening levels for commercial/industrial use soil. The maximum reported lead concentration in these samples is 4.12 mg/kg.

7.2.4 *Historical Cleared Area 2 & Building Storage Area 2 (1949-1967)*

Sampling trenches **SP13-SP17** were completed in this area, which was previously cleared and appeared actively used in aerial photographs from 1949 through 1967. A building (or temporary shed) also appears to have formerly been in this area in approximately 1953. A summary of analytical results is as follows:

- **TPH** - No detected TPH C_5-C_{44} was reported in any of the ten analyzed soil samples from this area.
- **SVOCs, OCPs** - No detected SVOCs or OCPs were reported in any of six soil samples analyzed from this area, with the exception of sample SP17-0.5, which was reported to contain eight SVOC compounds at low concentrations.
- **Title 22 Metals** - Six soil samples from this area (half from 0.5 feet bgs, and half from 2.5 feet bgs) were analyzed, and were reported to have Title 22 metals either not detected, or detected at concentrations below the respective metal screening levels for commercial/industrial use soil. The maximum reported lead concentration in these samples is 2.64 mg/kg.

7.2.5 *Decomposed Granite Stockpile*

Three grab soil samples (**DG1-DG3**) were collected from this stockpile of material from an unknown/undocumented source. A summary of analytical results is as follows:

- **TPH** - No detected TPH C_5-C_{44} was reported in any of the three analyzed soil samples from this area.
- **SVOCs, PCBs** - No detected SVOCs or PCBs were reported in any of three soil samples analyzed from this area.
- **Title 22 Metals** – Three soil samples from this area were analyzed, and were reported to have Title 22 metals either not detected, or detected at concentrations below the respective metal screening levels for commercial/industrial use soil. The maximum reported lead concentration in these samples is 0.536 mg/kg.

7.2.6 *Water Cooling Tower Area*

Sampling trenches **CT1-CT5** were completed near this feature and associated subsurface piping, to further assess for potential contamination from prior water treatment chemicals. A summary of analytical results is as follows:

- **SVOCs** - No detected SVOCs were reported in any of four soil samples analyzed from this area, with the exception of sample CT2-0.5 and CT4-0.5, which were each reported to contain numerous SVOC compounds at minor concentrations.
- **Asbestos** – No detected asbestos was reported in any of the four shallow (0.5 feet bgs) soil samples collected near this feature.
- **Title 22 Metals** - Nine soil samples from this area (some from 0.5 feet bgs, and some from 2.5 feet bgs) were analyzed, and were reported to have Title 22 metals either not detected, or detected at concentrations below the respective metal screening levels for commercial/industrial use soil. The maximum reported lead concentration in these samples is 71.4 mg/kg.

7.2.7 *Building 2 Area*

Slant soil borings **SB1-SB3** were completed beneath Building 2, to assess soil conditions below the various liquid process tanks and piping noted inside this building. A summary of analytical results is as follows:

- **TPH** – TPH C_5-C_{12} (gasoline range) is reported in 2 of 12 samples from this area, at reported concentrations ranging from 5.23 to 10.2 mg/kg. TPH C_{10}-C_{28} (diesel range) is reported in 8 of 12 samples from this area, at reported concentrations ranging from 8.24 to 25.8 mg/kg. TPH C_{17}-C_{44} (oil range) is reported in 4 of 12 samples from this area, at reported concentrations ranging from 26.5 to 138 mg/kg.

- **SVOCs, PCBs** - No detected SVOCs or PCBs were reported in any of six soil samples analyzed from this area.

- **CHs** – No detected CHs were reported in any of the three soil samples analyzed from this area.

- **Title 22 Metals** - Six soil samples from the soil borings in this area were analyzed, and were reported to have Title 22 metals either not detected, or detected at concentrations below the respective metal screening levels for commercial/industrial use soil. The maximum reported lead concentration in these samples is 3.13 mg/kg.

In addition to the soil samples collected from these slant borings near Building 2, one liquid sample was collected from one of several elevated tanks within the interior of the Building 2. This substance appeared to be a relatively clear amber colored oil. A sample of this material was analyzed for pH, TPH carbon chain analysis, and Total Recoverable Petroleum Hydrocarbons (TRPH) analysis. The liquid sample results are as follows:

- **pH** – The liquid is reported to have a pH of 5.45, which is mildly acidic.

- **TPH** – The liquid was reported to be a TPH in the C_{11}-C_{22} carbon chain range (i.e. diesel fuel range), though the laboratory reports/footnotes that the analysis chromatograph does not resemble a diesel fuel standard (may be a weathered diesel or light oil). A concentration of 607,000 mg/L was reported, which generally indicates the sample is a “pure” oil product.

- **TRPH** – The liquid was reported to contain 921,000 mg/L of detected TRPH. This analysis was completed to assess if the oil sample was petroleum based or not. The results indicate it *is* petroleum based, and that the sample is a "pure" oil product.

7.2.8 *Electrical Substation Areas (Building 2 and Building 4)*

Sampling trenches **ES1-1** through **ES1-3,** and **ES2-1** & **ES2-2** were completed in these areas, to assess for potential PCBs as a result of electrical transformers being pulled down and emptied/scavenged in these areas. A summary of analytical results is as follows:

- **PCBs** - No detected PCBs were reported in any of ten soil samples analyzed from this area, with the exception of one sample (ES1-3-2.5), which was reported to contain 0.009 mg/kg of only one isomer of PCB (i.e PCB1254). This concentration is considered minor.

- **Title 22 Metals** – Five soil samples from this area (all from 0.5 feet bgs) were analyzed, and were reported to have Title 22 metals either not detected, or detected at concentrations below the respective metal screening levels for commercial/industrial use soil. The maximum reported lead concentration in these samples is 3.3 mg/kg.

7.2.9 *Pad Mounted Elect. Transformers (Bldg. 5 & NE Edge of Ordnance Bunker Area)*

Sampling trenches **PD1-1, PD1-2** and **PD2-1** were completed in these areas, to assess for potential PCBs near pad-mounted electrical transformers west of Building 2, and near an enclosure northeast of the ordnance bunkers. A summary of analytical results is as follows:

- **PCBs** - No detected PCBs were reported in any of six soil samples analyzed from this area.

- **Title 22 Metals** – Two soil samples from this area (from 0.5 feet bgs) were analyzed, and were reported to have Title 22 metals either not detected, or detected at concentrations below the respective metal screening levels for commercial/industrial use soil. The maximum reported lead concentration in these samples is 26.0 mg/kg.

Copies of all laboratory reports detailing the soil sample analytical results are provided in Attached **Appendix E**. A copy of the laboratory report for the liquid sample is provided in **Appendix F**.

8.0 SUMMARY DISCUSSION OF SOIL DATA RELATIVE TO SCREENING LEVELS

Provided in this section is additional summary discussion of all soil data relative to USEPA and DTSC generic soil screening levels, which have been established to determine a concentration of no significant additional health risks, in this case, for a commercial/industrial use scenario. This discussion/comparison is organized by compounds for which laboratory analyses were completed.

8.1 TPH

- No detected TPH was reported in 40 of 49 total samples analyzed.
- TPH C_5-C_{12} (gasoline range) was reported in only one sample, at a minor concentration of 5.32 mg/kg. This is below the 420 mg/kg USEPA soil screening level for soil in a commercial/industrial use scenario.
- TPH C_{10}-C_{28} (diesel range) was reported in nine samples at concentrations ranging from 8.24 to 25.8 mg/kg. These concentrations are all below the 500 to 560 mg/kg DTSC and USEPA soil screening levels for soil in a commercial/industrial use scenario.
- TPH C_{17}-C_{44} (oil range) was reported in four samples at concentrations ranging from 26.5 to 138 mg/kg. These concentrations are all below the 18,000 to 30,000 mg/kg DTSC and USEPA soil screening levels for soil in a commercial/industrial use scenario.

8.2 SVOCs

- No detected SVOCs were reported in 26 of 29 total samples analyzed.
- Minor concentrations of 10 SVOCs (acenapthylene, benzo(a)anthracene, benzo (b) fluoranthene, benzo (g,h,i) perylene, butylbenzylphthalate, chrysene, fluoranthene, fluorine, phenanthrene and pyrene) were reported in three samples, all at concentrations below DTSC and USEPA soil screening levels (where they exist) for soil in a commercial/industrial use scenario.

8.3 OCPs

- No detected OCPs were reported in 17 of 20 total samples analyzed.

- Minor concentrations of 3 OCPs (4-4' DDE and Endrin Aldehyde) were reported in three samples, all at concentrations below DTSC and USEPA soil screening levels (where they exist) for soil in a commercial/industrial use scenario.

8.4 PCBs

- No detected PCBs were reported in 38 of 39 total samples analyzed.

- One sample was reported to contain 0.009 mg/kg of Aroclor1254, which is below the 0.59 to 0.97 mg/kg DTSC and USEPA soil screening levels for soil in a commercial/industrial use scenario.

8.5 Chlorinated Herbicides

- No detected Chlorinated Herbicides were reported in 3 of 3 total samples analyzed.

8.6 Asbestos

- No detected asbestos was reported in 4 of 4 total samples analyzed. Samples around the base of the water cooling tower were analyzed for asbestos due to concerns with potential asbestos containing materials on the tower.

8.7 Title 22 Metals

- A total of 48 samples, all collected from 0.5 to 2.5 feet bgs, were analyzed for Title 22 metals. All reported concentrations of metals, except arsenic, were below their respective DTSC and USEPA soil screening levels (where they exist) for soil in a commercial industrial use scenario.

- Arsenic concentrations in some samples exceed their DTSC and/or USEPA soil screening level for commercial/industrial use; however, the maximum reported concentration is 3.89 mg/kg, which is substantially below the more applicable DTSC Regional Background Arsenic Concentration screening level of 12 mg/kg.

- A maximum of 71.4 mg/kg of total lead was reported in sample CT2-0.5. The next highest detected total lead was 26 mg/kg. These concentrations are below the 320 to 800 mg/kg DTSC and USEPA soil screening levels for soil in a commercial/industrial use scenario. The sample with 71.4 mg/kg of total lead was also run for soluble lead, and reported to contain 1.33 mg/L, which is below the Soluble Threshold Limit Concentration of 5.0 mg/L (criteria for determining if a waste is California hazardous or not).

9.0 SUMMARY FINDINGS & CONCLUSIONS

Based on the data collected, general regulatory guidelines, and our professional judgment, the following summary findings and conclusions are presented:

9.1 General Site Conditions & Scope of Assessment

- The Site consists of all or portions of the following 14 Riverside County APNs: 276-170-007, 276-120-001, 294-020-001, 297-090-001,-002,-003,-006,-007,-008,-009, 297-080-002,-003,-004,-005. The Site is defined as the area of proposed future development, plus an approximate 100 foot buffer around the development perimeter (at the request of the client). The area of the proposed development (not including surrounding 100 foot buffer) is approximately 312 acres.

- A Site currently consists of the former March Air Force Base ordnance storage area and surrounding undeveloped land. The ordnance storage area is surrounded by barbed wire-topped fencing, and is occupied by 14 ordnance storage bunkers, seven associated buildings in various states of abandonment (Buildings 1-7), a water tower, a water cooling tower, and a few small equipment enclosures.

- Shallow soils (generally upper 5 feet) are predominantly silty and clayey sands. Deeper soils are well graded sands, including weathered bedrock below approximately 5 feet bgs. No groundwater was encountered to the maximum depth of exploration (approximately 30 feet).

- A Phase I ESA completed in October 2021 identified numerous potential RECs based on current site conditions and historical usages. The current assessment included a geophysical survey between Buildings 1 & 2, collection of soil samples in various Site areas of concern via trenches and soil borings, and completion of a hazardous materials survey of the various Site structures.

- The geophysical survey completed between Buildings 1 and 2 found no evidence of a UST (only an anomaly related to a subsurface area with large cobbles and boulders), and that the subsurface cooling tower piping heads beneath Building 2 and likely connects to piping inside.

9.2 Soil Assessment

A total of 30 exploratory trenches were excavated to depths of 3 to 5 feet bgs, and soil samples collected at various depth intervals. Trenches were advanced near the water cooling tower, near various former electrical substations and pad-mounted electrical transformers, and in scattered areas of concern based on historical Site usage. Three

slant soil borings were also drilled near Building 2 to assess soil conditions beneath it. Building 2 had previously been noted to contain various liquid process tanks and piping. Three grab soil samples were also collected from a stockpile of decomposed granite of unknown origin. Analyses of the various soil samples from the Site had the following results:

TPH

- No detected TPH was reported in 40 of 49 total samples analyzed.
- All TPH detections were below screening levels for soil in a commercial/industrial use scenario.

SVOCs

- No detected SVOCs were reported in 26 of 29 total samples analyzed.
- Minor concentrations of 10 SVOCs, all at concentrations below DTSC and USEPA soil screening levels (where they exist) for soil in a commercial/industrial use scenario.

OCPs

- No detected OCPs were reported in 17 of 20 total samples analyzed.
- Minor concentrations of OCPs (4-4' DDE and Endrin Aldehyde) in three samples, all at concentrations below DTSC and USEPA soil screening levels (where they exist) for soil in a commercial/industrial use scenario.

PCBs

- No detected PCBs were reported in 38 of 39 total samples analyzed.
- One sample was reported to contain 0.009 mg/kg of Aroclor1254, which is below the 0.59 to 0.97 mg/kg DTSC and USEPA soil screening levels for soil in a commercial/industrial use scenario.

Chlorinated Herbicides

- No detected Chlorinated Herbicides were reported in 3 of 3 total samples analyzed.

Asbestos

- No detected asbestos was reported in 4 of 4 total samples analyzed.

Title 22 Metals

- A total of 48 samples, all collected from 0.5 to 2.5 feet bgs, were analyzed for Title 22 metals. All reported concentrations of metals, except arsenic, were below their respective DTSC and USEPA soil screening levels (where they exist) for soil in a commercial industrial use scenario. Arsenic concentrations in some samples exceed their DTSC and/or USEPA soil screening level for commercial/industrial use; however, the maximum reported concentration is 3.89 mg/kg, which is substantially below the more applicable DTSC Regional Background Arsenic Concentration screening level of 12 mg/kg.

- A maximum of 71.4 mg/kg of total lead was reported in sample CT2-0.5. The next highest detected total lead was 26 mg/kg. These concentrations are below the 320 to 800 mg/kg DTSC and USEPA soil screening levels for soil in a commercial/industrial use scenario.

9.3 Hazardous Materials Survey

A hazardous materials survey was completed, and included visual investigations, testing for Lead-Based Paint (LBP), bulk sampling for Asbestos, noting Universal Waste Rule items, and in selected buildings of concern, wipe sampling for metals and/or PCBs. An inventory of treated wooden utility poles was also completed. The results of the survey indicate:

- ACMs are present in numerous of the Site structures. Any future activities which impact these materials shall be considered asbestos–related work.

- Testing of various painted, coated or glazed finishes indicates that there are Lead-Based Paints at numerous locations on the Site which are likely to be impacted by future demolition activities.

- Wipe samples collected within Buildings 2, 3, 4 and 5 indicate no identified PCBs. It appears that surficial PCB contamination inside these buildings is not an issue.

- Metals were detected in all wipe samples collected and analyzed from Buildings 2, 3 and 5. Samples from Building 2 and 5 specifically indicated lead concentrations in excess of 40 micrograms per square foot, presenting a lead hazard, as defined in 8 CCR 1532.1 and 22 CCR 35000-36100.

- There are 42 pole-mounted transformers and a black electrical wrap present on power feeds coming down off of pole-mounted transformers and high power lines, which may be wrapped with a PCB-containing product called Askerals. There are

also 29 small capacitors on the ground inside and outside Building 5, also a PCB concern.

- Universal Waste Rule items were identified throughout the Site.
- Potential treated wood wastes were identified at the Site including: 1) wood power poles, 2) wood perimeter fence lighting poles, 3) wood security lighting and camera poles, 4) large wood communication poles, and 5) treated wood utilized at power substations. Approximately 376 total wooden poles are present at the Site.

10.0 RECOMMENDATIONS

Based on the data collected, general regulatory guidelines, and our professional judgment, the following recommendations are presented:

10.1 Soil Assessment

- Based on field observations and laboratory analytical data from the soil samples collected during this assessment, no additional soil sampling is recommended.

10.2 Hazardous Materials Survey

This summary is provided for convenience, and should not be relied upon as a stand-alone report. Attached in **Appendix D** is the Vista hazardous materials survey report providing more complete and detailed information on recommendations.

Asbestos

- ACMs are present in numerous of the Site structures. Asbestos-related work must be completed by a CSLB-licensed contractor holding a Cal/DOSH registration for such work, and notifications to SCAQMD and Cal/OSHA are required. Work should also be completed under a certified asbestos consultant.

- Work performed during any activities (i.e. drilling, cutting, sanding, scraping) that disturb the asbestos-containing materials identified in this report must be done in compliance with the most recent edition of all applicable federal, state, and local regulations, standards, and codes governing abatement, transport, and disposal of asbestos-containing materials. In three areas (Building 2, Building 4, Bunker 5037), damaged friable ACMs were identified. Asbestos removal in these areas must be performed under the auspices of an SCAQMD-approved Procedure 5 work plan.

- Materials encountered at the Site, including potential subsurface utilities that may be made of asbestos-cement or coated with asbestos-containing insulations, that are not part of this report must be properly sampled for the content of asbestos, or assumed to be asbestos containing prior to any disturbance.

Lead

- There are Lead-Based Paints (LBPs) at numerous locations on the Site which are likely to be impacted by future demolition activities. All painted or coated surfaces should be treated as potentially containing lead.

- Written notification to Cal/OSHA must be completed if 100 square feet, or 100 linear feet, or more, of LBP activities are involved.

- All activities involving identified lead-based paints must be conducted in accordance with 17 CCR Sections 35001 through 36100, and 8 CCR 1532, both of which prescribe the use of CDPH-certified workers, work practices, and other requirements, including written notification of work. In addition, all activities involving potential and identified lead-containing surfaces should also be conducted in accordance with California Health & Safety Code sections 17920 and 10525, and 8 CCR 1532. Any welding, cutting or heating of metal surfaces containing surface coatings should be conducted in accordance with 29 CFR 1926 and 8 CCR 1537.

- Any employee that works around potential lead-based or lead-containing coatings must have various training and certifications.

- The lead testing data cannot be relied upon for understanding employee exposure to airborne contaminants, and are not a substitute for employee exposure monitoring.

Metals and PCBs

- There are 42 pole-mounted transformers. There is also a black electrical wrap present on power feeds coming down off of pole-mounted transformers, and high power lines, which may be wrapped with a PCB-containing product called Askerals. There are also 29 small capacitors on the ground inside and outside Building 5. It is recommended that each of these potential PCB-containing items be sampled in accordance with 40 CFR 761 to determine if they are PCB-containing as defined therein. If PCBs are identified in these features, it is further recommended that an assessment of nearby soils and/or hardscapes for PCBs be performed in accordance with the requirements set forth in 40 CFR 761.

- Metals were detected in all wipe samples collected and analyzed from Buildings 2, 3 and 5. Samples from Building 2 and 5 specifically indicated lead concentrations in excess of 40 micrograms per square foot, presenting a lead hazard, as defined in 8 CCR 1532.1 and 22 CCR 35000-36100. Warning signage, indicating “Lead Hazard Area” should be installed in these buildings immediately per 8 CCR 1532, and access restricted to all but certified lead workers..

- Prior to demolition, Buildings 2, 3, and 5 should be decontaminated for Cadmium, Chromium and/or Lead, as applicable, in accordance with regulatory requirements set forth in 8 CCR 1532, 29 CFR 1926, 22 CCR35000-36100 and 40 CFR 7654, as applicable, based on the metal(s) involved.

- The results of the bulk sampling of wooden components of the Cooling Tower located between Buildings 1 and 2 indicated numerous metals are present, though at levels identified as relatively low. Demolition of the Cooling Tower structure should

be performed in accordance with the following regulatory requirements: 8 CCR 1532, 29 CFR 1926, 22 CCR 35000-36100, 40 CFR 765, and 8 CCR 5155.

Other Hazardous Materials

- Universal Waste Rule items were identified throughout the Site. Universal Waste Rule items should be managed in accordance with 22 CCR, Division 4.5, Chapter 23 and 40 CFR 273.

- Potential treated wood wastes were identified at the Site including: 1) wood power poles, 2) wood perimeter fence lighting poles, 3) wood security lighting and camera poles, 4) large wood communication poles, and 5) treated wood utilized at power substations. Approximately 376 wooden poles are present at the Site. It is recommended that the major types of potential treated wood waste be properly assessed for typical wood treatments to determine worker protection and waste disposal requirements. A representative number of samples should be collected and analyzed for Creosote components, Pentachlorophenol, Copper, Chromium and Arsenic. Based on the results, additional testing may be required.

- The various wastes identified at the Site may be characterized as hazardous wastes under California and federal RCRA standards, and therefore require proper waste characterization, handling, packaging, labeling, and transportation under a proper manifest to a permitted hazardous waste storage, treatment and disposal facility, where wastes are deemed hazardous.

10.3 Other

In general, observations should be made during future development activities for features of concern or areas of possible contamination such as, but not limited to, the presence of underground facilities, buried debris, waste drums, tanks, soil staining or odorous soils. Further investigation and analysis may be necessary, should such materials be encountered during grading and/or construction activities.

Should you have any questions regarding this report, please contact the undersigned.

LEIGHTON CONSULTING, INC.

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Associate Env. Geologist
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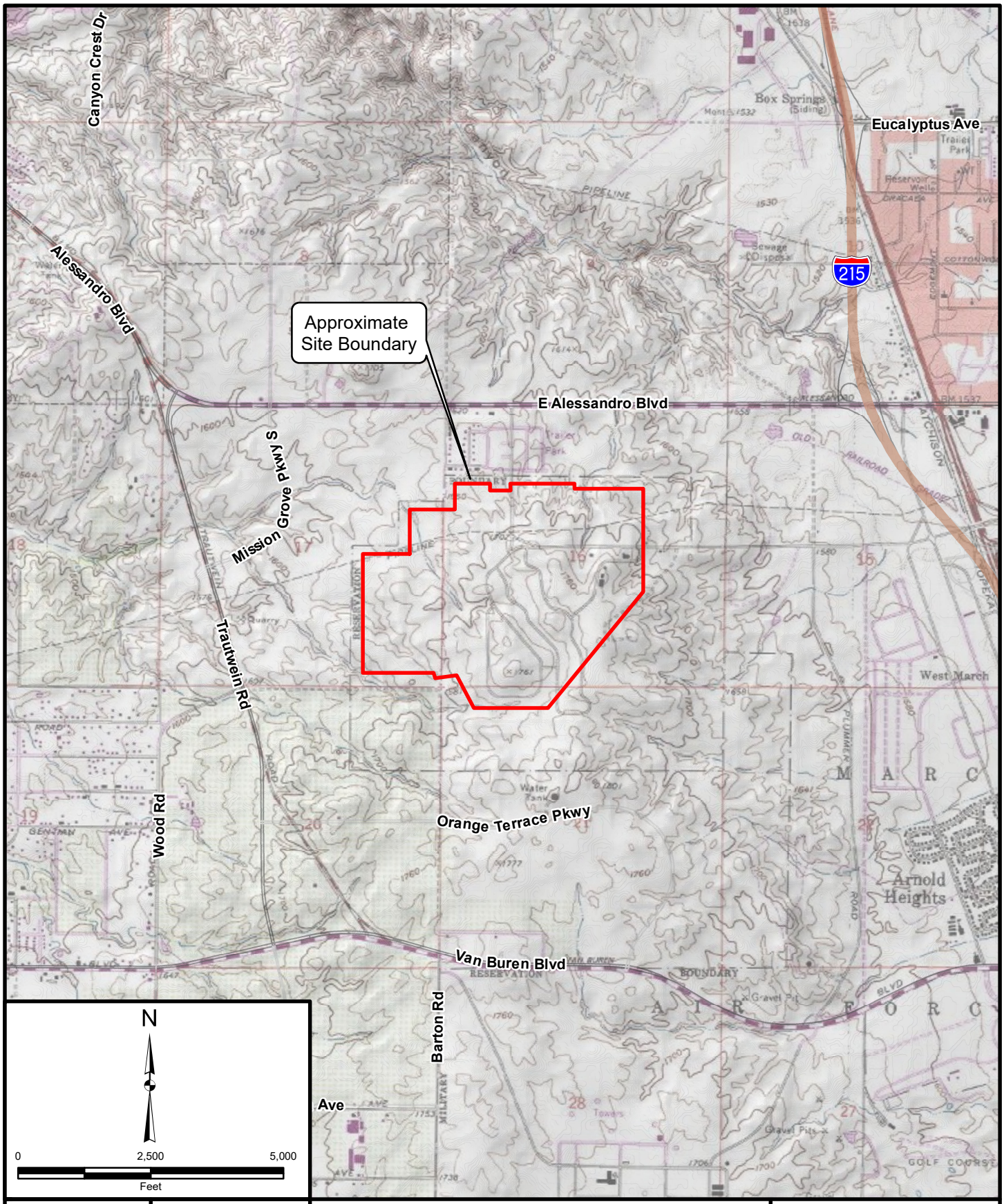
California RG#6622
Director of Env. Services
Phone: (949) 681-4203



Project: 13226.003	Eng/Geol: RBH
Scale:1 " = 2,500 '	Date: January 2022
Basemap: ESRI ArcGIS Online 2022	

SITE LOCATION MAP

Meridian-West Campus, Upper Plateau
Riverside, California

FIGURE 1

Leighton

Map Saved as V:\Drafting\13226\003\Maps\13226.003_F01_SLM_2021-12-17.mxd on 1/10/2022 3:33:17 PM Author: Leighton Geomatics (kmanchikanti)

Legend

- Approximate Location of Slant Boring
- Approximate Location of Soil Sampling Trench
- Areas of Historical Environmental Concern
- Transformer
- Currently Fenced Former Ordnance Storage Area
- Building
- DG Stockpile
- Small Bunker
- Ordnance Bunkers
- Riverside County Parcel Boundary
- Approximate Site Limits

N

0 600 1,200

Feet

Project: 13226.003	Eng/Geol: RBH
Scale:1 " = 600 '	Date: January 2022
Base Map: ESRI ArcGIS Online 2022	

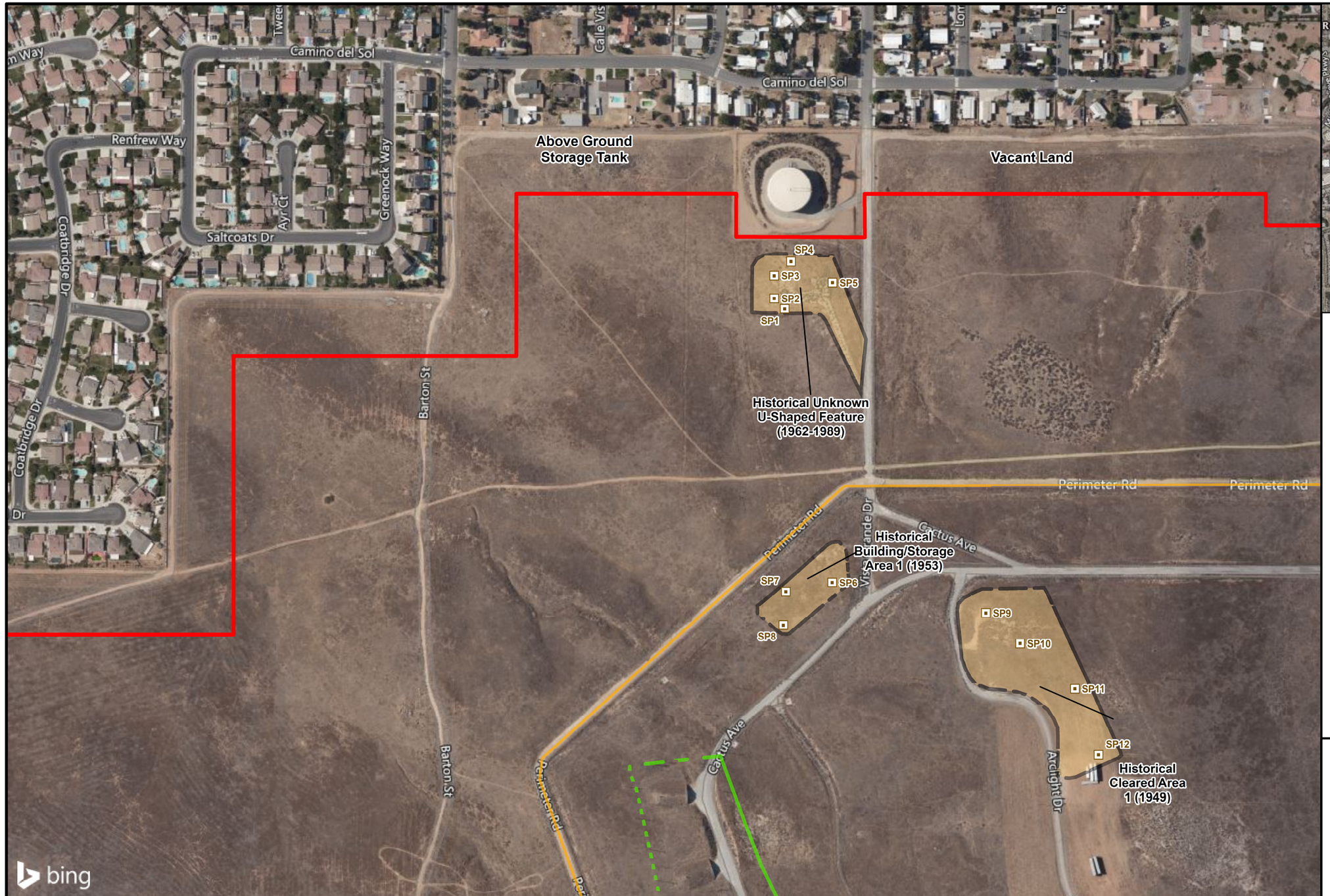
SITE PLAN

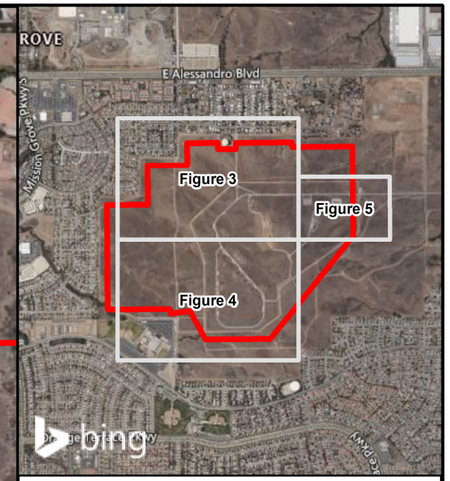
Proposed Meridian Upper Plateau
Vista Grande Drive, Riverside, California

FIGURE 2

Leighton

Map Saved as V:\Drafting\13226\003\Maps\13226.003_F02_SAP_2021-12-17.mxd on 1/11/2022 9:58:37 AM Author: (kmanchikanti)





Legend

- SP-2 — Approximate Location of Soil Sampling Trench
- Currently Fenced Former Ordnance Storage Area
- Ordnance Bunkers
- Approximate Site Limits

N

0 300 600

Feet

Project: 13226.003	Eng/Geol: RBH
Scale:1 " = 300 '	Date: January 2022
Basemap: Rivserisde County High Resolution Aerials, 2019	
Author: (kmanchikanti)	

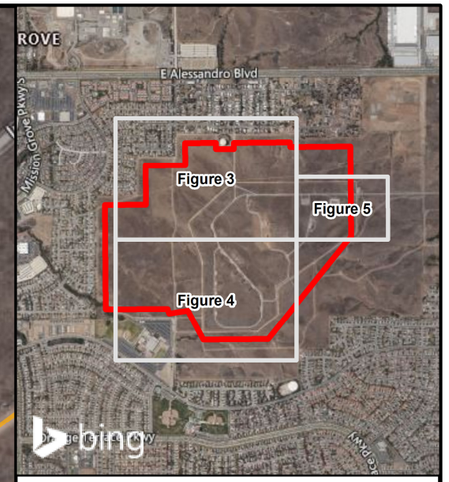
NORTHERN SITE AREA

Meridian-West Campus Upper Plateau
Riverside, California

Figure 3

Leighton

Map Saved as V:\Drafting\13226\003\Maps\13226.003_F03_SP_2021-12-23.mxd on 1/11/2022 10:13:13 AM



Legend

- SP-13 — Approximate Location of Soil Sampling Trench
- Transformer
- Currently Fenced Former Ordnance Storage Area
- DG Stockpile
- Ordnance Bunkers
- Approximate Site Limits

N

0 300 600

Feet

Project: 13226.003	Eng/Geol: RBH
Scale:1 " = 300 '	Date: January 2022
Basemap: Rivserisde County High Resolution Aerials, 2019	
Author: (kmanchikanti)	

SOUTHERN SITE AREA

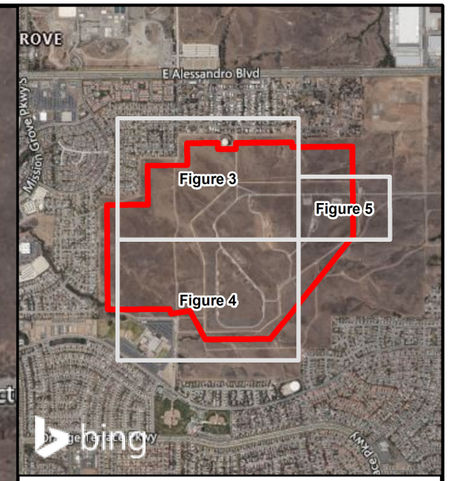
Meridian-West Campus Upper Plateau
Riverside, California

Figure 4

Leighton

Map Saved as V:\Drafting\13226\003\Maps\13226.003_F04_SP_2021-12-23.mxd on 1/11/2022 10:21:17 AM

Perimeter Rd
Perimeter Rd
Pad-Mounted Transformers
PD1-2
PD1-1
Building 6
Building 5
Cactus Ave
Cactus Ave
Cact
Electrical Substation Area
Building 4
ES2-1
ES2-2
Building 7
Building 3
Inebacker Rd
Currently Fenced Former Ordnance Area
Water Tower
Electrical Substation Area
Building 2
SB-2
ES1-1
ES1-3
SB-1
ES1-2
SB-3
CT1
CT4
CT2
CT5
Water Cooling Tower
Inebacker Rd
Building 1
Perimeter Rd
bing



Legend

- SB-2 — Approximate Location and Direction of Slant Boring
- CT-1 — Approximate Location of Soil Sampling Trench
- Estimated Location of 1989 Groundwater Monitoring Well
- Transformer
- Currently Fenced Former Ordnance Storage Area
- Buildings
- Approximate Site Limits

N

0 150 300

Feet

Project: 13226.003	Eng/Geol: RBH
Scale: 1 " = 150 '	Date: January 2022
Basemap: Rivserisde County High Resolution Aerials, 2019	
Author: (kmanchikanti)	

EASTERN SITE AREA

Meridian-West Campus Upper Plateau
Riverside, California

Figure 5

Leighton

Map Saved as V:\Drafting\13226\003\Maps\13226.003_F05_SP_2021-12-23.mxd on 1/11/2022 10:35:46 AM

TABLE 1: SOIL ANALYTICAL RESULTS - TPH (C6-C44), SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs), ORGANOCHLORINE PESTICIDES (OCPs), POLYCHLORINATED BIPHENYL (PCBs), CHLORINATED HERBICIDES, ASBESTOS

Sample Number	Sample Depth (feet- bgs)	Sample Date	TPH (C_5-C_{12})	TPH (C_{10}-C_{28})	TPH (C_{17}-C_{44})	SVOCs											OCPs			PCBs	Chlorinated Herbicides	Asbestos
						Acenapthylene	Benzo (a) anthracene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Butylbenzylphthalate	Chrysene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	All Other SVOCs	4-4'-DDE	Endrin Aldehyde	Other OCPs			
			All results in milligrams/kilogram (mg/kg)																			
Historical (1962-1989) Area of Unknown U-Shaped Feature																						
SP1-0.5	0-0.5	10/26/2021	ND>10	ND>10	ND>25	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	**0.0007J**	ND>0.0001	ND>0.0001-0.01	ALL ND>0.0050	---	---
SP1-2.5	2-2.5	10/26/2021	ND>10	ND>10	ND>25	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	ND>0.0003	ND>0.0001	ND>0.0001-0.01	ALL ND>0.0050	---	---
SP1-4	3.5-4	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP2-0.5	0-0.5	10/26/2021	ND>10	ND>10	ND>25	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	---	---	---
SP2-2.5	2-2.5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP2-5	4.5-5	10/26/2021	ND>10	ND>10	ND>25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP3-0.5	0-0.5	10/26/2021	ND>10	ND>10	ND>25	---	---	---	---	---	---	---	---	---	---	---	ND>0.0003	ND>0.0001	ND>0.0001-0.01	ALL ND>0.0050	---	---
SP3-2.5	2-2.5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ND>0.0003	ND>0.0001	ND>0.0001-0.01	ALL ND>0.0050	---	---
SP3-5	4.5-5	10/26/2021	ND>10	ND>10	ND>25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP4-0.5	0-0.5	10/26/2021	ND>10	**18.7**	ND>25	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	---	---	---
SP4-2.5	2-2.5	10/26/2021	ND>10	ND>10	ND>25	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	---	---	---
SP4-3.5	3-3.5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP5-0.5	0-0.5	10/26/2021	ND>10	ND>10	ND>25	---	---	---	---	---	---	---	---	---	---	---	**0.0008J**	ND>0.0001	ND>0.0001-0.01	ALL ND>0.0050	---	---
SP5-2.5	2-2.5	10/26/2021	ND>10	ND>10	ND>25	---	---	---	---	---	---	---	---	---	---	---	ND>0.0003	**0.0006J**	ND>0.0001-0.01	ALL ND>0.0050	---	---
SP5-5	4.5-5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Historical (1953) Building/Storage Area 1																						
SP6-0.5	0-0.5	10/27/2021	ND>10	ND>10	ND>50	---	---	---	---	---	---	---	---	---	---	---	ND>0.0003	ND>0.0001	ND>0.0001-0.01	ALL ND>0.0050	---	---
SP6-2.5	2-2.5	10/27/2021	ND>10	ND>10	ND>50	---	---	---	---	---	---	---	---	---	---	---	ND>0.0003	ND>0.0001	ND>0.0001-0.01	ALL ND>0.0050	---	---
SP6-5	4.5-5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP7-0.5	0-0.5	10/27/2021	ND>10	ND>10	ND>50	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	ND>0.0003	ND>0.0001	ND>0.0001-0.01	---	---	---
SP7-2.5	2-2.5	10/27/2021	ND>10	ND>10	ND>50	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	ND>0.0003	ND>0.0001	ND>0.0001-0.01	---	---	---
SP7-5	4.5-5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP8-0.5	0-0.5	10/27/2021	ND>10	ND>10	ND>50	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	ALL ND>0.0050	---	---
SP8-2.5	2-2.5	10/27/2021	ND>10	ND>10	ND>50	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	ALL ND>0.0050	---	---
SP8-5.0	4.5-5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Historical (1949) Cleared Area 1																						
SP9-0.5	0-0.5	10/26/2021	ND>10	ND>10	ND>25	---	---	---	---	---	---	---	---	---	---	---	ND>0.0003	ND>0.0001	ND>0.0001-0.01	ALL ND>0.0050	---	---
SP9-2.5	2-2.5	10/26/2021	ND>10	ND>10	ND>25	---	---	---	---	---	---	---	---	---	---	---	ND>0.0003	ND>0.0001	ND>0.0001-0.01	ALL ND>0.0050	---	---
SP9-5	4.5-5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP10-0.5	0-0.5	10/26/2021	ND>10	ND>10	ND>25	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	---	---	---
SP10-2.5	2-2.5	10/26/2021	ND>10	ND>10	ND>25	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	---	---	---
SP10-5	4.5-5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP11-0.5	0-0.5	10/26/2021	ND>10	ND>10	ND>25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.0050	---	---
SP11-2.5	2-2.5	10/26/2021	ND>10	ND>10	ND>25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.0050	---	---
SP11-5.0	4.5-5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP12-0.5	0-0.5	10/26/2021	ND>10	ND>10	ND>25	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	ND>0.0003	ND>0.0001	ND>0.0001-0.01	---	---	---
SP12-2.5	2-2.5	10/26/2021	ND>10	ND>10	ND>25	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	ND>0.0003	ND>0.0001	ND>0.0001-0.01	---	---	---
SP12-5.0	4.5-5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Historical (1949-1967) Cleared Area 2 & Building /Storage Area 2																						
SP13-0.5	0-0.5	10/27/2021	ND>10	ND>10	ND>50	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	ND>0.0003	ND>0.0001	ND>0.0001-0.01	---	---	---
SP13-2.5	2-2.5	10/27/2021	ND>10	ND>10	ND>50	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	ND>0.0003	ND>0.0001	ND>0.0001-0.01	---	---	---
SP13-5	4.5-5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP14-0.5	0-0.5	10/27/2021	ND>10	ND>10	ND>50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP14-2.5	2-2.5	10/27/2021	ND>10	ND>10	ND>50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP14-4	3.5-4	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP15-0.5	0-0.5	10/27/2021	ND>10	ND>10	ND>50	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	ND>0.0003	ND>0.0001	ND>0.0001-0.01	---	---	---
SP15-2.5	2-2.5	10/27/2021	ND>10	ND>10	ND>50	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	ND>0.0003	ND>0.0001	ND>0.0001-0.01	---	---	---
SP16-0.5	0-0.5	10/27/2021	ND>10	ND>10	ND>50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP16-2.5	2-2.5	10/27/2021	ND>10	ND>10	ND>50	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP16-5	4.5-5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP17-0.5	0-0.5	10/27/2021	ND>10	ND>10	ND>50	ND>0.028	**0.640**	**0.585**	**0.265J**	**0.261J**	**0.853**	**1.15**	ND>0.026	**1.06**	**1.42**	ALL ND>0.015-1.25	ND>0.0003	ND>0.0001	ND>0.0001-0.01	---	---	---
SP17-2.5	2-2.5	10/27/2021	ND>10	ND>10	ND>50	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	ND>0.0003	ND>0.0001	ND>0.0001-0.01	---	---	---
Water Cooling Tower																						
CT1-0.5	0-0.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**None Detected**
CT1-2.5	2-2.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CT1-3.5	3-3.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CT2-0.5	0-0.5	10/27/2021	---	---	---	ND>0.028	**0.320J**	ND>0.104	ND>0.044	ND>0.031	**0.581**	**0.643**	ND>0.026	**0.521**	**0.825**	ALL ND>0.015-1.25	---	---	---	---	---	**None Detected**
CT2-2	1.5-2	10/27/2021	---	---	---	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	---	---	---
CT3-0.5	0-0.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	**None Detected**

TABLE 1: SOIL ANALYTICAL RESULTS - TPH (C6-C44), SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs), ORGANOCHLORINE PESTICIDES (OCPs), POLYCHLORINATED BIPHENYL (PCBs), CHLORINATED HERBICIDES, ASBESTOS

Sample Number	Sample Depth (feet- bgs)	Sample Date	TPH (C_5-C_{12})	TPH (C_{10}-C_{28})	TPH (C_{17}-C_{44})	SVOCs											OCPs			PCBs	Chlorinated Herbicides	Asbestos
						Acenapththylene	Benzo (a) anthracene	Benzo (b) fluoranthene	Benzo (g,h,i) perylene	Butylbenzylphthalate	Chrysene	Fluoranthene	Fluorene	Phenanthrene	Pyrene	All Other SVOCs	4-4'-DDE	Endrin Aldehyde	Other OCPs			
			All results in milligrams/kilogram (mg/kg)																			
CT3-2.5	2-2.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CT4-0.5	0-0.5	10/27/2021	---	---	---	**0.260J**	**0.949**	ND>0.104	ND>0.044	**1.08**	**1.47**	**2.51**	ND>0.026	**2.37**	**2.78**	ALL ND>0.015-1.25	---	---	---	---	---	**None Detected**
CT4-2.5	2-2.5	10/27/2021	---	---	---	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	---	---	---
CT4-3.5	3-3.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CT5-0.5	0-0.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CT5-2.5	2-2.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CT5-3.5	3-3.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Building 2 Area Slant Borings																						
SB1-5	4.5-5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB1-10	9.5-10	10/28/2021	ND>10	**25.8**	**138**	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	ALL ND>0.005	ALL ND> 0.010-10.0	---
SB1-15	14.5-15	10/28/2021	ND>10	**8.24J**	ND>25	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	ALL ND>0.005	---	---
SB1-20	19.5-20	10/28/2021	ND>10	**14.7**	**53.3**	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB1-25	24.5-25	10/28/2021	ND>10	**8.92J**	ND>25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB1-30	29.5-30	10/28/2021	ND>10	ND>10	ND>25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB2-10	9.5-10	10/28/2021	**5.32J**	**15.1**	**61.9**	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	ALL ND>0.005	ALL ND> 0.010-10.0	---
SB2-13	12.5-13	10/28/2021	ND>10	**9.74J**	ND>25	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	ALL ND>0.005	---	---
SB3-10	9.5-10	10/28/2021	**10.2**	**12.1**	ND>25	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	ALL ND>0.005	ALL ND> 0.010-10.0	---
SB3-15	14.5-15	10/28/2021	ND>10	**19.2**	**26.5J**	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	ALL ND>0.005	---	---
SB3-20	19.5-20	10/28/2021	ND>10	ND>10	ND>25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB3-25	24.5-25	10/28/2021	ND>10	ND>10	ND>25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB3-30	29.5-30	10/28/2021	ND>10	ND>10	ND>25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Electrical Substation Areas (Bldgs 2 and 4)																						
ES1-1-0.5	0-0.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.005	---	---
ES1-1-2.5	2-2.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.005	---	---
ES1-1-5.0	4.5-5.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ES1-2-0.5	0-0.50	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.005	---	---
ES1-2-2.5	2-2.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.005	---	---
ES1-2-5.0	4.5-5.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ES1-3-0.5	0-0.50	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.005	---	---
ES1-3-2.5	2-2.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	PCB1254-(**0.009J**)	---	---
ES1-3-5.0	4.5-5.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ES2-1-0.5	0-0.50	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.005	---	---
ES2-1-2.5	2-2.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.005	---	---
ES2-1-5.0	4.5-5.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ES2-2-0.5	0-0.50	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.005	---	---
ES2-2-2.5	2-2.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.005	---	---
ES2-2-5.0	4.5-5.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pad Mounted Electrical Transformers (Bldg. 5 & NE Edge of Ordnance Bunker Area)																						
PD1-1-0.5	0-0.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.005	---	---
PD1-1-2.0	1.5-2	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.005	---	---
PD1-1-3.0	2.5-3	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PD1-2-0.5	0-0.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.005	---	---
PD1-2-2.0	1.5-2	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.005	---	---
PD2-1-0.5	0-0.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.005	---	---
PD2-1-2.5	2-2.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	ALL ND>0.005	---	---
Undocumented Decomposed Granite Stockpile (Western Portion of the Site)																						
DG1		10/27/2021	ND>10	ND>10	ND>50	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	ALL ND>0.0050	---	---
DG2		10/27/2021	ND>10	ND>10	ND>50	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	ALL ND>0.0050	---	---
DG3		10/27/2021	ND>10	ND>10	ND>50	ND>0.028	ND>0.080	ND>0.104	ND>0.044	ND>0.031	ND>0.036	ND>0.022	ND>0.026	ND>0.036	ND>0.043	ALL ND>0.015-1.25	---	---	---	ALL ND>0.0050	---	---
Maximum Detected Levels			**10.2**	**25.8**	**138**	**0.260J**	**0.949**	**0.585**	**0.265J**	**1.08**	**1.47**	**2.51**	**ND>0.026**	**2.37**	**2.78**	**ALL ND>0.015-1.25**	**0.0008J**	**0.0006J**	**ND>0.0001-0.01**	**0.009J**	**ALL ND> 0.010-10.0**	**N/A**
USEPA Commercial/Industrial Soil RSLs [1]			**420**	**560**	**30,000**	**NL**	**21**	**1.8**	**NL**	**NL**	**2,100**	**30,000**	**30,000**	**NL**	**24,000**	**Various**	**9.3**	**NL**	**Various**	**Aroclor 1254-0.97/ Various**	**Various**	**NL**
DTSC Modified Industrial/Commercial Soil SLs [2]			**NL**	**500**	**18,000**	**23,000**	**12**	**13**	**NL**	**780**	**1,300**	**18,000**	**17,000**	**NL**	13,000	**Various**	**9.3**	**NL**	**Various**	**Aroclor 1254-0.59/ Various**	**Various**	**NL**

NOTES:

---- = Not analyzed for this compound/compound group

ft bgs = feet below ground surface

mg/kg = milligrams per kilogram

ND>0.274 = none detected greater than the laboratory reporting limit (in mg/kg)

NL = Screening level not listed

[1] USEPA Industrial RSLs = United States Environmental Protection Agency Industrial Regional Soil Screening Levels (November 2021)

[2] DTSC Modified Commercial/Industrial SLs = Department of Toxic Substances Control Human Health Risk Assessment Note 3 Soil Screening Levels for commercial/industrial use (June 2020)

TABLE 2: SOIL ANALYTICAL RESULTS - TITLE 22 METALS

Sample Number	Sample Depth (ft bgs)	Sample Date	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Chromium VI (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)	Dilution Factor
Historical (1962-1989) Area of Unknown U-Shaped Feature																					
SP1-0.5	0-0.5	10/26/2021	ND>0.250	**3.89**	**231**	ND>0.180	ND>0.119	**44.9**	---	**13.7**	**22.0**	**6.66**	**0.031**	ND>0.274	**10.2**	ND>0.234	ND>0.414	**7.17**	**59.9**	**127**	1
SP1-2.5	2-2.5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP1-4	3.5-4	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP2-0.5	0-0.5	10/26/2021	ND>0.250	**0.800**	**280**	ND>0.180	ND>0.119	**34.7**	---	**12.2**	**16.0**	**0.699**	**0.018**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**43.6**	**43.8**	1
SP2-2.5	2-2.5	10/26/2021	ND>0.250	**0.591**	**271**	ND>0.180	ND>0.119	**31.3**	---	**10.50**	**10.7**	ND>0.192	**0.021**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**39.9**	**39.5**	1
SP2-5	4.5-5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP3-0.5	0-0.5	10/26/2021	ND>0.250	**0.791**	**255**	ND>0.180	ND>0.119	**47.1**	---	**12.20**	**29.6**	ND>0.192	**0.022**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**59.4**	**48.0**	1
SP3-2.5	2-2.5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP3-5	4.5-5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP4-0.5	0-0.5	10/26/2021	ND>0.250	**1.86**	**181**	ND>0.180	ND>0.119	**32.9**	---	**10.1**	**12.3**	**2.76**	**0.013**	ND>0.274	**3.32**	ND>0.234	ND>0.414	ND>0.432	**41.7**	**38.6**	1
SP4-2.5	2-2.5	10/26/2021	ND>0.250	**1.89**	**185**	ND>0.180	ND>0.119	**35.0**	---	**11.80**	**11.9**	**2.52**	**0.02**	ND>0.274	**2.18J**	ND>0.234	ND>0.414	ND>0.432	**46.7**	**39.2**	1
SP4-3.5	3-3.5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP5-0.5	0-0.5	10/26/2021	ND>0.250	**0.974**	**240**	ND>0.180	ND>0.119	**37.0**	---	**11.50**	**16.4**	**4.13**	**0.026**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	**3.14**	**48.6**	**48.7**	1
SP5-2.5	2-2.5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP5-5	4.5-5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Historical (1953) Building/Storage Area 1																					
SP6-0.5	0-0.5	10/27/2021	ND>0.250	**1.55**	**152**	ND>0.180	ND>0.119	**28.4**	---	**8.71**	**30.4**	**1.1**	**0.31**	ND>0.274	**2.27J**	ND>0.234	ND>0.414	**1.67**	**37.0**	**28.3**	1
SP6-2.5	2-2.5	10/27/2021	ND>0.250	**1.63**	**210**	ND>0.180	ND>0.119	**34.5**	---	**10.2**	**34.8**	**0.789**	**0.023**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**43.0**	**36.6**	1
SP6-5	4-4.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP7-0.5	0-0.5	10/27/2021	ND>0.250	**1.44**	**247**	ND>0.180	ND>0.119	**37.4**	---	**12.9**	**12.4**	**1.75**	**0.020**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**50.5**	**49.5**	1
SP7-2.5	2-2.5	10/27/2021	ND>0.250	**0.512**	**239**	ND>0.180	ND>0.119	**34.3**	---	**10.7**	**7.61**	ND>0.192	**0.022**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	**3.20**	**49.4**	**53.5**	1
SP7-5	4.5-5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP8-0.5	0-0.5	10/27/2021	ND>0.250	**1.63**	**155**	ND>0.180	ND>0.119	**29.8**	---	**9.45**	**11.8**	**1.95**	**0.018**	ND>0.274	**3.03**	ND>0.234	ND>0.414	**4.79**	**39.1**	**35.6**	1
SP8-2.5	2-2.5	10/27/2021	ND>0.250	**1.22**	**200**	ND>0.180	ND>0.119	**31.5**	---	**8.70**	**12.9**	**0.813**	**0.025**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	**3.49**	**40.9**	**35.1**	1
SP8-5.0	4.5-5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Historical (1949) Cleared Area 1																					
SP9-0.5	0-0.5	10/26/2021	ND>0.250	**0.534**	**369**	ND>0.180	ND>0.119	**31.7**	---	**11.0**	**10.5**	**0.491J**	**0.015**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**44.7**	**41.1**	1
SP9-2.5	2-2.5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP9-5	4.5-5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP10-0.5	0-0.5	10/26/2021	ND>0.250	**0.831**	**315**	ND>0.180	ND>0.119	**35.7**	---	**13.0**	**10.4**	ND>0.192	**0.023**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**49.1**	**44.8**	1
SP10-2.5	2-2.5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP10-5	4.5-5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP11-0.5	0-0.5	10/26/2021	ND>0.250	**1.48**	**159**	ND>0.180	ND>0.119	**32.8**	---	**10.4**	**13.7**	**4.12**	**0.02**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**41.3**	**41.9**	1
SP11-2.5	2-2.5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP11-5.0	4.5-5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP12-0.5	0-0.5	10/26/2021	ND>0.250	**1.92**	**158**	ND>0.180	ND>0.119	**34.3**	---	**9.85**	**11.2**	**3.89**	**0.023**	ND>0.274	**2.68**	ND>0.234	ND>0.414	ND>0.432	**43.0**	**41.9**	1
SP12-2.5	2-2.5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP12-5.0	4.5-5	10/26/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Historical (1949-1967) Cleared Area 2 & Building /Storage Area 2																					
SP13-0.5	0-0.5	10/27/2021	ND>0.250	**1.09**	**209**	ND>0.180	ND>0.119	**29.7**	---	**9.31**	**11.3**	**1.72**	**0.018**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**37.6**	**41.0**	1
SP13-2.5	2-2.5	10/27/2021	ND>0.250	**1.52**	**160**	ND>0.180	ND>0.119	**30.3**	---	**9.14**	**11.7**	**2.28**	**0.026**	ND>0.274	**2.95**	ND>0.234	ND>0.414	**4.33**	**38.6**	**40.1**	1
SP13-5	4.5-5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP14-0.5	0-0.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP14-2.5	2-2.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP14-4	3.5-4	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP15-0.5	0-0.5	10/27/2021	ND>0.250	**2.28**	**177**	ND>0.180	ND>0.119	**35.6**	---	**10.6**	**12.9**	**2.64**	**0.034**	ND>0.274	**4.46**	ND>0.234	ND>0.414	**4.3**	**46.7**	**41.8**	1
SP15-2.5	2-2.5	10/27/2021	ND>0.250	**1.98**	**192**	ND>0.180	ND>0.119	**35.5**	---	**9.76**	**12.5**	**2.36**	**0.032**	ND>0.274	**3.25**	ND>0.234	ND>0.414	**3.55**	**48.8**	**42.0**	1
SP16-0.5	0-0.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP16-2.5	2-2.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP16-5	4.5-5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SP17-0.5	0-0.5	10/27/2021	ND>0.250	**1.43**	**143**	ND>0.180	ND>0.119	**27.2**	---	**9.54**	**10.9**	**2.39**	**0.028**	ND>0.274	**2.82**	ND>0.234	ND>0.414	ND>0.432	**35.2**	**36.7**	1

TABLE 2: SOIL ANALYTICAL RESULTS - TITLE 22 METALS

Sample Number	Sample Depth (ft bgs)	Sample Date	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Chromium VI (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)	Dilution Factor
SP17-2.5	2-2.5	10/27/2021	ND>0.250	**1.16**	**246**	ND>0.180	ND>0.119	**34.7**	---	**8.49**	**14.0**	**1.1**	**0.028**	ND>0.274	**2.04J**	ND>0.234	ND>0.414	ND>0.432	**44.6**	**38.2**	1
Water Cooling Tower																					
CT1-0.5	0-0.5	10/27/2021	ND>0.250	**1.21**	**268**	ND>0.180	ND>0.119	**35.4**	ND>0.0156	**12.4**	**21.3**	**6.25**	**0.034**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**44.5**	**90.4**	1
CT1-2.5	2-2.5	10/27/2021	ND>0.250	**1.36**	**251**	ND>0.180	ND>0.119	**26.4**	ND>0.0156	**10.40**	**25.7**	**0.558**	**0.018**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**36.7**	**37.6**	1
CT1-3.5	3-3.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CT2-0.5	0-0.5	10/27/2021	ND>0.250	**1.53**	**247**	ND>0.180	**4.37**	**43.4**	ND>0.0156	**10.5**	**38.9**	**71.4**	**0.059**	ND>0.274	**3.15**	ND>0.234	ND>0.414	**3.55**	**41.3**	**538.0**	1*
CT2-2-2.0	1.5-2	10/27/2021	ND>0.250	**1.26**	**323**	ND>0.180	ND>0.119	**33.6**	ND>0.0156	**12.30**	**16.1**	**5.43**	**0.022**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**53.3**	**69.3**	1
CT3-0.5	0-0.5	10/27/2021	ND>0.250	**1.28**	**247**	ND>0.180	ND>0.119	**31.3**	ND>0.0156	**11.10**	**15.2**	**9.75**	**0.053**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**42.9**	**112.0**	1
CT3-2.5	2-2.5	10/27/2021	ND>0.250	**1.02**	**315**	ND>0.180	ND>0.119	**33.7**	ND>0.0156	**13.20**	**13.7**	**0.461J**	**0.031**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**47.4**	**45.5**	1
CT4-0.5	0-0.5	10/27/2021	ND>0.250	**1.32**	**236**	ND>0.180	ND>0.119	**27.7**	ND>0.0156	**9.99**	**14.3**	**2.04**	**0.022**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**39.2**	**49.2**	1
CT4-2.5	2-2.5	10/27/2021	ND>0.250	**1.03**	**270**	ND>0.180	ND>0.119	**31.1**	ND>0.0156	**11.00**	**12.4**	ND>0.192	**0.017**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**43.1**	**39.2**	1
CT4-3.5	3-3.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CT5-0.5	0-0.5	10/27/2021	ND>0.250	**1.18**	**267**	ND>0.180	ND>0.119	**30**	ND>0.0156	**11.1**	**14..8**	**1.52**	**0.015**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**42.6**	**48.8**	1
CT5-2.5	2-2.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
CT5-3.5	3-3.5	10/27/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Building 2 Area Slant Borings																					
SB1-5	4.5-5.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1
SB1-10	9.5-10.0	10/28/2021	ND>0.250	**2.30**	**85.2**	ND>0.180	ND>0.119	**27.9**	---	**6.67**	**12.4**	**3.13**	ND>0.0062	ND>0.274	**3.67**	ND>0.234	ND>0.414	ND>0.432	**30.7**	**31.4**	1
SB1-15	14.5-15.0	10/28/2021	ND>0.250	ND>0.248	**356**	ND>0.180	ND>0.119	**29.1**	---	**10.4**	**13.6**	**0.520**	ND>0.0062	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**44.2**	**37.6**	1
SB1-20	19.50-20.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB1-25	24.5-25.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB1-30	29.5-30.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB2-10	9.5-10.0	10/28/2021	ND>0.250	**0.706**	**350**	ND>0.180	ND>0.119	**37.3**	---	**12.6**	**10.7**	ND>0.192	**0.015**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**50.3**	**46.0**	1
SB2-13	12.5-13.0	10/28/2021	ND>0.250	ND>0.248	**409**	ND>0.180	ND>0.119	**35.2**	---	**10.8**	**8.95**	ND>0.192	ND>0.0062	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**47.8**	**39.5**	1
SB3-10	9.5-10.0	10/28/2021	ND>0.250	ND>0.248	**452**	ND>0.180	ND>0.119	**33.5**	---	**12.1**	**20.2**	ND>0.192	**0.025**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**53.0**	**45.1**	1
SB3-15	14.5-15.0	10/28/2021	ND>0.250	ND>0.248	**239**	ND>0.180	ND>0.119	**21.3**	---	**6.92**	**3.44**	**2.04**	ND>0.0062	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**29.9**	**26.5**	1
SB3-20	19.5-20.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB3-25	24.5-25.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SB3-30	29.5-30.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Electrical Substation Areas (Bldgs 2 and 4)																					
ES1-1-0.5	0-0.5	10/28/2021	ND>0.250	**0.725**	**270**	ND>0.180	ND>0.119	**31.8**	---	**11.4**	**12.7**	**0.817**	ND>0.0062	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	44.8	42.7	1
ES1-1-2.5	2-2.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ES1-1-5.0	4.5-5.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ES1-2-0.5	0-0.5	10/28/2021	ND>0.250	**0.939**	**252**	ND>0.180	ND>0.119	**27.7**	---	**10.0**	**12.5**	**0.947**	ND>0.0062	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**39.6**	**47.7**	1
ES1-2-2.5	2-2.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ES1-2-5.0	4.5-5.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ES1-3-0.5	0-0.5	10/28/2021	ND>0.250	**0.883**	**281**	ND>0.180	ND>0.119	**33.2**	---	**11.4**	**48.1**	**1.06**	ND>0.0062	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**44.6**	**145**	1
ES1-3-2.5	2-2.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ES1-3-5.0	4.5-5.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ES2-1-0.5	0-0.5	10/28/2021	ND>0.250	ND>0.248	**344**	ND>0.180	ND>0.119	**34.5**	---	**11.8**	**12.1**	**3.30**	ND>0.0062	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**50.0**	**115**	1
ES2-1-2.5	2-2.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ES2-1-5.0	4.5-5.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ES2-2-0.5	0-0.5	10/28/2021	ND>0.250	ND>0.248	**261**	ND>0.180	ND>0.119	**27.8**	---	**8.32**	**19.3**	**3.19**	**0.020**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**35.8**	**46.5**	1
ES2-2-2.5	2-2.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
ES2-2-5.0	4.5-5.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pad Mounted Electrical Transformers (Bldg. 5 & NW Ordnance Bunker Area)																					
PD1-1-0.5	0-0.5	10/28/2021	ND>0.250	ND>0.248	**348**	ND>0.180	ND>0.119	**33.6**	---	**11.5**	**21.0**	**26.0**	**0.021**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**50.9**	**55.3**	1
PD1-1-2.0	1.5-2.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PD1-1-3.0	2.5-3.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PD1-2-0.5	0-0.5	10/28/2021	ND>0.250	ND>0.248	**333**	ND>0.180	ND>0.119	**34.0**	---	**12.1**	**16.6**	**3.08**	**0.028**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**51.5**	**136**	1
PD1-2-2.0	1.5-2.0	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PD2-1-0.5	0-0.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
PD2-1-2.5	2-2.5	10/28/2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 2: SOIL ANALYTICAL RESULTS - TITLE 22 METALS

Sample Number	Sample Depth (ft bgs)	Sample Date	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Chromium VI (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)	Dilution Factor
Undocumented Stockpile (Western Portion of the Site)																					
DG1		10/27/2021	ND>0.250	ND>0.248	**286**	ND>0.180	ND>0.119	**25.5**	---	**8.58**	**10.1**	ND>0.192	**0.019**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**34.5**	**36.5**	1
DG2		10/27/2021	ND>0.250	ND>0.248	**233**	ND>0.180	ND>0.119	**27.9**	---	**8.67**	**11.4**	**0.536**	**0.023**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	36.3	36.1	1
DG3		10/27/2021	ND>0.250	ND>0.248	**335**	ND>0.180	ND>0.119	**34.3**	---	**11.6**	**11.5**	ND>0.192	**0.017**	ND>0.274	ND>0.165	ND>0.234	ND>0.414	ND>0.432	**45.4**	**49**	1
Maximum Detected Concentration (mg/kg)			ND>0.250	3.89	452	ND>0.180	ND>0.119	47	ND>0.0156	13.70	48.1	71.4	ND>0.0877	ND>0.274	10.2	ND>5.24	ND>1.05	ND>5.24	59.9	538	-
USEPA Industrial Soil RSLs (mg/kg)			470	3	220,000	2300	100	1,800,000	6.3	350	47,000	800	46	5800	22,000	5800	5800	12.00	5800	350,000	-
DTSC Modified Commerical/Industrial Soil SLs (mg/kg)			NL	0.36	NL	230	780	NL	6	NL	NL	320	4.4	NL	11,000	NL	NL	NL	NL	NL	-
DTSC Background Arsenic Concentration (mg/kg)			-	12	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-

Notes:
---- = Not analyzed for this compound/compound group
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
ND>0.274 = None detected greater than the laboratory method detection limit (in mg/kg)
NL = Screening level not listed
USEPA Industrial RSLs = United States Environmental Protection Agency Industrial Regional Soil Screening Levels (November 2021)
DTSC Modified Commercial/Industrial SLs = Department of Toxic Substances Control Human Health Risk Assessment Note 3 Soil Screening Levels for commercial/industrial land use (June 2020)
DTSC Background As Concentration = Arsenic screening level from *Determination of a Southern California Regional Arsenic Concentration in Soil*, California Department of Toxic Substance Control (DTSC), March 2008.
[1] Thallium screening levels reported for Thallium selenite and Thallium chloride

APPENDIX A

REFERENCES

APPENDIX A

REFERENCES

Leighton (Leighton Consulting, Inc.), 2021, Phase I Environmental Site Assessment, Meridian – West Campus Upper Plateau, Riverside, California; prepared for Meridian Park West, LLC, project no. 13226.002, dated October 28, 2021.

APPENDIX B

PHOTOGRAPHS

Leighton	**PHOTOGRAPHIC RECORD** **October 2021**	
Client Name: **Meridian – West Campus Upper Plateau**	**Site Location:** **Riverside, California**	**Project No.** **13226.003**

Photo No. 1 **View of Direction of Photo:** West **Description**: Water cooling tower between Buildings 1 (at left) and 2 (at right)	

Photo No. 2 **View of Direction of Photo:** South **Description**: Interior of Building 2 – southern most wall with various piping and pumps that may be connected to water cooling tower (located on other side of wall in background).	

Leighton	**PHOTOGRAPHIC RECORD** **October 2021**	
Client Name: **Meridian – West Campus Upper Plateau**	**Site Location:** **Riverside, California**	**Project No.** **13226.003**

Photo No. 3 **View of Direction of Photo:** Northeast **Description**: View of asphalt access road leading to unknown U-Shaped asphalt area with former fencing around it.	

Photo No. 4 **View of Direction of Photo:** Northeast **Description**: View of U-shaped asphalted area at ground surface	

Leighton	**PHOTOGRAPHIC RECORD** **October 2021**	
Client Name: **Meridian – West Campus Upper Plateau**	**Site Location:** **Riverside, California**	**Project No.** **13226.003**

Photo No. 5	
View of Direction of Photo: West-northwest	
Description: Barbed wire on ground surrounding unknown U-shaped asphalt feature.	

Photo No. 6	
View of Direction of Photo: Southwest	
Description: Completion of soil sampling trench near southwestern corner of unknown U-shaped asphalt area.	

Leighton	**PHOTOGRAPHIC RECORD** **October 2021**	
Client Name: **Meridian – West Campus Upper Plateau**	**Site Location:** **Riverside, California**	**Project No.** **13226.003**

Photo No. 7	
View of Direction of Photo: N/A	
Description: Soil sample collection in unknown U-shaped asphalt area	

Photo No. 8	
View of Direction of Photo: West	
Description: Abandoned water cooling tower with line leading into the subsurface. Bldg 2 at right. Bldg 1 at left (shadow).	

Leighton	PHOTOGRAPHIC RECORD October 2021	
Client Name: **Meridian – West Campus Upper Plateau**	**Site Location:** **Riverside, California**	**Project No.** **13226.003**

Photo No. 9	
View of Direction of Photo: North	
Description: Drilling of slant soil boring SB1 beneath Building 2 western most wall.	

Photo No. 10	
View of Direction of Photo: East	
Description: Drilling of slant soil boring SB3 beneath Building 2 southern most wall.	

Leighton	PHOTOGRAPHIC RECORD October 2021	
Client Name: **Meridian – West Campus Upper Plateau**	**Site Location:** **Riverside, California**	**Project No.** **13226.003**

Photo No. 11	
View of Direction of Photo: Southwest	
Description: Electrical substation area on east side of Building 2. Collection of GPS coordinates for sampling trench. Empty former electrical transformer housing on ground in background center.	

Photo No. 12	
View of Direction of Photo: Northwest	
Description: Electrical substation area on east side of Building 2. Collection of soil samples in trench ES1-3. Water storage tower in background.	

Leighton	**PHOTOGRAPHIC RECORD** **October 2021**	
Client Name: **Meridian – West Campus Upper Plateau**	**Site Location:** **Riverside, California**	**Project No.** **13226.003**

Photo No. 13 **View of Direction of Photo:** Northeast **Description**: Electrical substation area on east side of Building 4. Collection of soil samples in trench ES2-1. Empty former transformer housing on ground at background right.	

Photo No. 14 **View of Direction of Photo:** Southwest **Description**: Pad mounted electrical transformers on exterior west side of Building 5. Transformers surrounded by steel shrouding. Staining on concrete and soil near base of transformer (in foreground)	

Leighton	**PHOTOGRAPHIC RECORD** **October 2021**	
Client Name: **Meridian – West Campus Upper Plateau**	**Site Location:** **Riverside, California**	**Project No.** **13226.003**

Photo No. 15 **View of Direction of Photo:** Southeast **Description**: Pad mounted electrical transformers on west side of Building 5. Each transformer surrounded by steel shrouds.	

Photo No. 16 **View of Direction of Photo:** Southeast **Description**: Collection of soil samples from trench PD1-2.	

Leighton	**PHOTOGRAPHIC RECORD** **October 2021**	
Client Name: **Meridian – West Campus Upper Plateau**	**Site Location:** **Riverside, California**	**Project No.** **13226.003**

Photo No. 17 **View of Direction of Photo:** Southeast **Description**: Completion and backfilling of trench PD2-1 near exterior west wall of electrical equipment enclosure.	

Photo No. 18 **View of Direction of Photo:** Southwest **Description**: Typical building structure (Building 4)	

Leighton	**PHOTOGRAPHIC RECORD** **October 2021**	
Client Name: **Meridian – West Campus Upper Plateau**	**Site Location:** **Riverside, California**	**Project No.** **13226.003**

Photo No. 19	
View of Direction of Photo: West	
Description: Typical ordnance bunker	

Photo No. 20	
View of Direction of Photo: Northeast	
Description: Outbuilding adjoining NE of ordnance bunker area (pad mounted electrical transformer /equipment inside.	

Leighton	**PHOTOGRAPHIC RECORD** **October 2021**	
Client Name: **Meridian – West Campus Upper Plateau**	**Site Location:** **Riverside, California**	**Project No.** **13226.003**

Photo No. 21 **View of Direction of Photo:** West **Description**: Steel shroud surrounding remnants of small electrical transformer in the ordnance bunker area.	

Photo No. 22 **View of Direction of Photo:** N/A **Description**: Remnants of small electrical transformer inside of steel shrouding.	

APPENDIX C

SOIL BORING LOGS

ENVIRONMENTAL BORING LOG SB1

Project No.	13226.003	**Date Drilled**	10-28-01
Project	Meridian West Campus Upper Plateau	**Logged By**	ZAF
Drilling Co.	M & R	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Rope and Cat Head	**Ground Elevation**	'
Location	Meridian West Campus Upper Plateau	**Sampled By**	ZAF

Elevation Feet	Depth Feet	Graphic Log	PID READING (ppm)	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
		N S							*This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.*	
	0								@Surface: Asphalt 2-inches, Base 4-inches	
	5		0.0	SB1-5				SW	@5': Well graded SAND (SW), (weathered bedrock), fine to coarse, gray, moist, no odors or staining	
	10		0.0	SB1-10				SW	@10': Well graded SAND (SW), (weathered bedrock), fine to coarse, gray, moist, no odors or staining	
	15		0.0	SB-15				SW	@15': Well graded SAND (SW), (weathered bedrock), fine to coarse, gray, moist, no odors or staining	
	20		0.0	SB-20				SW	@20': Well graded SAND (SW), (weathered bedrock with rock fragments), fine to coarse, gray, moist, no odors or staining	
	25		0.0	SB-25				SW	@25': Well graded SAND (SW), (weathered bedrock), fine to coarse, gray, moist, no odors or staining	
	30									

SAMPLE TYPES:

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:

- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH

Leighton

ENVIRONMENTAL BORING LOG SB1

Project No.	13226.003	**Date Drilled**	10-28-01
Project	Meridian West Campus Upper Plateau	**Logged By**	ZAF
Drilling Co.	M & R	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Rope and Cat Head	**Ground Elevation**	'
Location	Meridian West Campus Upper Plateau	**Sampled By**	ZAF

Elevation Feet	Depth Feet	Graphic Log (N / S)	PID READING (ppm)	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	30		0.0	SB-30				SW	@30': Well graded SAND (SW), (weathered bedrock), fine to coarse, gray, moist, no odors or staining	
									TOTAL DEPTH: 30.5 FEET	
									NO GROUNDWATER ENCOUNTERED	
									BORING GROUTED WITH BENTONITE CEMENT GROUT	
	35									
	40									
	45									
	50									
	55									
	60									

This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

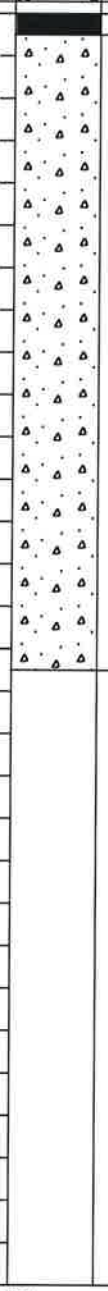
TYPE OF TESTS:

- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH

Leighton

ENVIRONMENTAL BORING LOG SB2

Project No.	13226.003	**Date Drilled**	10-28-01
Project	Meridian West Campus Upper Plateau	**Logged By**	ZAF
Drilling Co.	M & R	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Rope and Cat Head	**Ground Elevation**	'
Location	Meridian West Campus Upper Plateau	**Sampled By**	ZAF



Elevation Feet	Depth Feet	Graphic Log	PID READING (ppm)	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	0								@Surface: Asphalt 2-inches, Base 4-inches	
	10		0.0	SB2-10				SW	@10': Well graded SAND (SW), (weathered bedrock), fine to coarse, angular, dry, dense, gray, no staining or odor	
	15		0.0	SB2-15				SW	@15': Well graded SAND (SW), (weathered bedrock with rock fragments), fine to coarse, angular, dry, dense, gray, no staining or odor, minimal recovery	
									TOTAL DEPTH: 15.5 FEET **NO GROUNDWATER ENCOUNTERED** **BACKFILLED WITH BENTONITE CHIPS**	

This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:

- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH

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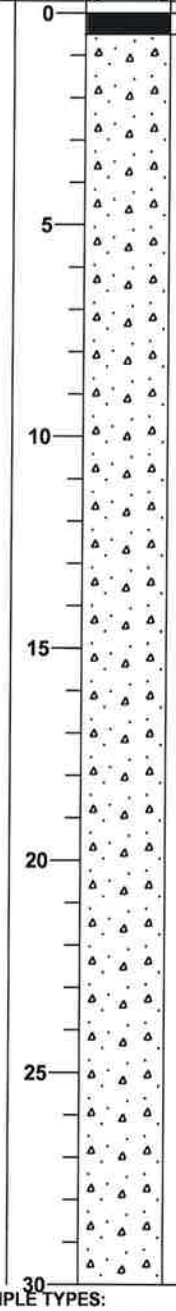
ENVIRONMENTAL BORING LOG SB3

Project No.	13226.003	**Date Drilled**	10-28-01
Project	Meridian West Campus Upper Plateau	**Logged By**	ZAF
Drilling Co.	M & R	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Rope and Cat Head	**Ground Elevation**	'
Location	Meridian West Campus Upper Plateau	**Sampled By**	ZAF



Elevation Feet	Depth Feet	PID READING (ppm)	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
								This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.	
	0							@Surface: Asphalt 2-inches, Base 4-inches	
	10	0.0	SB3-10				SW	@10': Well graded SAND (SW), (weathered bedrock), fine to coarse, angular, dry, dense, gray, no staining, no odors	
	15	0.0	SB3-15				SW	@15': Well graded SAND (SW), (weathered bedrock with rock fragments), fine to coarse, angular, dry, dense, gray, no staining, no odors	
	20	0.0	SB3-20				SW	@20': Well graded SAND (SW), (weathered bedrock with rock fragments), fine to coarse, angular, dry, dense, gray, no staining, no odors	
	25	0.0	SB3-25				SW	@25': Well graded SAND (SW), (weathered bedrock with rock fragments), fine to coarse, angular, dry, dense, gray, no staining, no odors, minimal sample recovery	

SAMPLE TYPES:

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:

- -200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH

Leighton

ENVIRONMENTAL BORING LOG SB3

Project No.	13226.003	**Date Drilled**	10-28-01
Project	Meridian West Campus Upper Plateau	**Logged By**	ZAF
Drilling Co.	M & R	**Hole Diameter**	8"
Drilling Method	Hollow Stem Auger - 140lb - Rope and Cat Head	**Ground Elevation**	'
Location	Meridian West Campus Upper Plateau	**Sampled By**	ZAF

Elevation Feet	Depth Feet	Graphic Log	PID READING (ppm)	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	30	N S	0.0	SB3-30 X				SW	@30': Well graded SAND (SW), (weathered bedrock with rock fragments), fine to coarse, angular, dry, dense, gray, no staining, no odors, full sample	
									TOTAL DEPTH: 30.5 FEET	
									NO GROUNDWATER ENCOUNTERED	
									BORING GROUTED WITH BENTONITE CEMENT GROUT	
	35									
	40									
	45									
	50									
	55									
	60									

This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.

SAMPLE TYPES:

- B BULK SAMPLE
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- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

TYPE OF TESTS:

- -200 % FINES PASSING
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- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL
- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE
- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH

Leighton

APPENDIX D

VISTA HAZARDOUS MATERIALS INVESTIGATION RESULTS REPORT

VISTA ENVIRONMENTAL CONSULTING
OAKLAND ● SAN JOSE ● MONTEREY ● ANAHEIM ● SAN DIEGO
"FROM BUILDINGS TO BULLDOZERS"

January 17, 2022

Robert Hansen
Associate Environmental Geologist
Leighton Consulting, Inc.
10532 Acacia Street, Suite B-6
Rancho Cucamonga, CA 91730

RE: Hazardous Material (ACM/LBP/UWR) Investigation Results
March Air Reserve Base
Lewis – Meridian Upper Plateau Ordinance Area Project
Vista Project No. 21 0210 021

Dear Mr. Hansen:

At the request of Leighton Consulting, Inc., Vista Environmental Consulting (Vista) performed a limited hazardous materials survey of the Upper Plateau Ordinance Area on the grounds of March Air Reserve Base in Riverside, California (the Project Site). The following structures were included in the project scope of work (see Figure 1 for a graphic representation indicating the structures and their locations):

1. Building 1 (former shop building that has extensive fire damage)
2. Building 2 (former shop building North of Building 1)
3. Building 3 (currently partly occupied by a pyrotechnics company)
4. Building 4 (former mechanical and warehouse space along Linebacker Road)
5. Building 5 (former electrical substation next to NE sally port)
6. Building 6 (former Security Building at NE sally port)
7. Building 7 (former office/barracks for K9 Unit, outside and East of NE sally port)
8. Ammunition Bunker 5022
9. Ammunition Bunker 5023
10. Ammunition Bunker 5024
11. Ammunition Bunker 5025
12. Ammunition Bunker 5026
13. Ammunition Bunker 5027
14. Ammunition Bunker 5028
15. Ammunition Bunker 5029
16. Ammunition Bunker 5030
17. Ammunition Bunker 5033
18. Ammunition Bunker 5034
19. Ammunition Bunker 5035
20. Ammunition Bunker 5036
21. Ammunition Bunker 5037
22. Water Tower North of Building 2
23. Cooling Tower Between Buildings 1 and 2
24. Shed (cinder block former electrical room across street and to NE of Ammo Bunker 5026)

25. Transformer Enclosure to SW of Ammo Bunker 5026
26. Power and Lighting Poles (added after project start)
27. Roads and Parking Areas Throughout Work Area

Project scope included testing for materials to be impacted by proposed construction activities, which shall include demolition of most or all improvements within the project work area. Visual investigations, including classification and quantification of Universal Waste Rule items and Treated Wood Wastes, testing for Lead-Based Paint, bulk sampling for Asbestos and wipe sampling for metals and Polychlorinated Biphenyls (PCBs) were performed between 20 October and 28 October 2021, by Vista employees Eloy Acuna and Peter Kolesar and Yvan Schmidt.

Results of the survey indicate that the following hazardous materials are present at the project site, as further described in Tables 1-27, which follow.

Table 1 - Hazardous Materials Summary – March ARB, Building 1

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
There were no ACMs or ACCMs identified at Building 1 during this investigation (See Note 1)				
Safety Lines on Concrete	Yellow	Exterior of Building (West)	LBP	20 LF
Paint on Metal Vent Louvers	Beige	Exterior of Building (North)	LBP	2 Louvers
Paint on Metal Door Frames/Jambs	Dark Brown	Exterior of Building (West)	LBP	2 Door Frames/Jambs
There were no Universal Waste Rule Items identified at Building 1 during this investigation (See Note 1)				

General Notes:

ACM = Asbestos-Containing Material
ACCM = Asbestos-Containing Construction Material, as defined in 8 CCR 1529 (only materials containing less than 1% asbestos are so labelled)
LBP = Lead-Based Paint. Contains 1.00 milligrams per square centimeter (mg/cm^2) of lead or greater, or 5,000 mg/kg of lead or greater, as defined by 17 California Code of Regulations (CCR) 35001-36100 and 8 CCR 1532.1.
UWR = Universal Waste Rule
PCB = Polychlorinated Biphenyls
Hg = Mercury
LF = Linear feet
SF = Square feet
ND = None Detected
mg = Milligrams
ug = Micrograms

[1] Order of Magnitude ***ESTIMATED*** Quantities and Locations ***ARE NOT*** to be used for bidding purposes. It is the sole responsibility of the contractor to verify quantities and locations of hazardous materials in the path of construction through site visits and contractual bid set documents, including, but not limited to all specifications, drawings, and addenda. Any discrepancies between the contractual bid set documents and site visits must be submitted in writing ***PRIOR*** to bidding.

Notes to Table 1:

1. Due to the fire-damaged condition of Building 1, only the exterior of the building, excluding the roof, was investigated and tested during this investigation. The structure will require some sort of structural stabilization before an assessment of environmental hazards inside the building can be undertaken in a safe manner.

Table 2 - Hazardous Materials Summary – March ARB, Building 2

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Roof Penetration Mastic	Grey over Black	Roof Penetrations	Class I NF ACM	5 SF
9" Vinyl Floor Tile (See Note 2)	Red Tile over Black Mastic	Restroom	Class I NF ACM	20 SF
Pipe Fitting Insulation	4" OD Hard Pack Elbow and Fitting Insulation	Spread Throughout Building	Friable ACM	30 Fittings (See Note 3)
Pipe Insulation	4" OD "Aircell" Pipe Insulation	Spread Throughout Building	Friable ACM	40 LF
Pipe Insulation	8" OD Hard Pack Pipe Insulation	Main Room of Building	Friable ACM	80 LF (See Note 4)
Pipe Fitting Insulation	8" OD Hard Pack Elbow and Hanger Insulation	Main Room of Building	Friable ACM	15 Fittings (See Note 5)
Pipe Insulation	6" OD Hard Pack Pipe Insulation	Main Room of Building	Friable ACM	18 LF (See Note 6)
Pipe Fitting Insulation	6" OD Hard Pack Elbow and Hanger Insulation	Main Room of Building	Friable ACM	3 Fittings (See Note 7)
Mechanical Pipe Gaskets	Black	Pipes Throughout Main Room of Building	Friable ACM	250 Gaskets (See Note 8)
Mechanical Pipe Gaskets	Beige	Pipes at Middle of South Wall of Building	Friable ACM	5 Gaskets (See Note 9)
Safety Lines on Concrete	Yellow	Exterior of Building (West)	LBP	120 LF
Paint on Metal Roof Vent	Beige	South Side of Roof	LBP	1 Vent
Paint on Metal Door Frame/Jamb	Dark Brown	Exterior of Building (West)	LBP	1 Door Frame/Jamb
Paint on Metal Trench Plate Base	Orange	Throughout Main Room	LBP	300 LF
Paint on Metal Tanks	Grey	North Side of Main Room	LBP	2 Tanks
Paint on Metal Tank Support Rack	Grey	Square Stand on Northwest Side of Main Room	LBP	1 Support
Paint on Drywall	Green	Restroom	LBP	100 SF
Paint on Brick/CMU	Green	Restroom	LBP	150 SF
PCB Contamination	10 cm x 10 cm Floor Surfaces	Throughout Main Room of Building	No PCBs Detected in three samples	
Metals Contamination (See Note 10)	12 in x 12 in Floor Surfaces	Throughout Main Room of Building	Cadmium Chromium **Lead**	ND to 3.0 ug/SF 6.8 ug/SF to 25 ug/SF **25 ug/SF to 220 ug/SF**

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Fluorescent Lighting Tubes (Hg) – 4' (See Note 11)		Lighting Throughout Building	UWR	35 4' Tubes
Fluorescent Lighting Ballasts (potential PCB)		Inside Fluorescent Lighting Fixtures	UWR/PCBs	29 Ballasts

Notes to Table 2:

1. See Table 1 for General Notes.
2. Three samples of this tile and mastic assembly were tested for asbestos content. All three samples indicated that the nine-inch red tile contains **8% Chrysotile Asbestos** and that there was no detectable asbestos present in the associated black mastic.
3. This material was observed in both the restroom and the main room of building. **Please note that this material contains 10% Chrysotile, 5% Crocidolite Asbestos and 5% Amosite Asbestos.**
4. This material was observed in the main room of building. **Please note that this material contains both 4% Crocidolite Asbestos and 8% Amosite Asbestos.**
5. This material was observed in the main room of building. **Please note that this material contains 10% Chrysotile, <1% Crocidolite Asbestos and 5% Amosite Asbestos.**
6. This material was observed in the main room of building. **Please note that this material contains 65% Chrysotile Asbestos, and is extremely friable.**
7. This material was observed in the main room of building. **Please note that this material contains 3% Chrysotile, <1% Crocidolite Asbestos and 12% Amosite Asbestos.**
8. This material was observed throughout the main room of building. **Please note that this material contains 80% Chrysotile Asbestos, and is extremely friable.**
9. This material was observed in the middle of the South side of the building. **Please note that this material contains 65% Chrysotile Asbestos, and is extremely friable.**
10. Though not exceeding any particular regulatory level, the presence of Cadmium and Chromium (which is assumed to include at least some hexavalent chromium) will require compliance with 8 CCR 1532 and 29 CFR 1926.1127 (for Cadmium) and 8 CCR 1532.2 and 29 CFR 1926.1126 (for Chromium VI). **Please note that two of the three wipe samples collected throughout the main room of the building exhibited Lead at concentrations exceeding the standard for lead contamination of an interior floor**, which is set at 40 micrograms per square foot, as per 8 CCR 1532.1, 22 CCR 35000-36100, and comparable federal regulations.
11. Several fluorescent lighting fixtures were present which did not contain lighting tubes. Approximately 25-30 tubes are missing and there are indications of broken tubes present, in some areas of the main room of the building.

Table 3 - Hazardous Materials Summary – March ARB, Building 3

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Roof Duct Seam Sealant	White	Roof-Mounted HVAC Duct Work	Class I Non-Friable ACM	10 LF
Roof Penetration Mastic	Black	Roof Penetrations	Class I Non-Friable ACM	8 SF
Door Frame Sealant	White	Door Frames Throughout (often only top of frame)	Class II Non-Friable ACM	40 LF
Window Putty	Brown/Beige, some under White	Four Windows (glazing)	Class II Non-Friable ACM (See Note 2)	100 LF
9" Vinyl Floor Tile	Red	Rooms 1, 3, 4 and 6	Class I Non-Friable ACM (See Note 3)	960 SF

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
12" Vinyl Floor Tile	Green	Room 2	Class I Non-Friable ACM (See Note 3)	60 SF
Window Frame Sealant	Brown/Beige, some under White	Four Windows (frame sealant)	Class II Non-Friable	150 LF
Paint on Wood Dock Guard	Yellow	Exterior Dock Areas around Building	LBP	140 LF
Paint on Metal Dock Guard	Yellow	Exterior Dock Areas around Building	LBP	140 LF
Safety Lines on Concrete	Yellow	Exterior Dock Areas around Building	LBP	100 LF
Paint on Metal Hand Rails	Yellow	Exterior of Building	LBP	120 LF
Paint on Metal Window Frames	Brown	Exterior Windows	LBP	4 Window Frames
Paint on Metal Door Frames	Brown	Exterior Doors	LBP	8 Door Frames
Paint on Metal Doors	Brown	Interior and Exterior Doors	LBP	14 Doors
Safety Lines on Asphalt	Yellow	Exterior Parking Areas, mostly on South Side of Building	LBP	40 LF
Paint on Wood Fascia	Beige	Exterior Roof Perimeter	LBP	200 LF
Roof Vent Jackets	Pure Lead	Roof Penetrations	LBP	3 Jackets
Paint on Steel Beam	Beige	Rooms 1, 2 and 3	LBP	3 Beams (42 LF)
Paint on Metal Ceiling	Beige	Rooms 1, 2 and 3	LBP	410 SF
Paint on Metal Door Frame	Grey	Room 3	LBP	1 Door Frame
Paint on Metal Door	Beige	Room 3	LBP	1 Door
Paint on Metal Pipes	Beige	Room 3	LBP	30 LF
Paint on Steel Beam	Tan	Room 5	LBP	3 Beams (63 LF)
Paint on Metal Ceiling	Tan	Room 5	LBP	610 SF
Paint on Metal Door Frame	Tan	Room 5	LBP	2 Door Frames
Paint on Metal Door	Tan	Room 5	LBP	4 Doors
Paint on Steel Beam	Green	Room 6	LBP	3 Beams (63 LF)
Paint on Metal Ceiling	Green	Room 6	LBP	610 SF

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Paint on Metal Door Frame	Green	Room 6	LBP	2 Door Frames
Paint on Steel Beam	Brown	Room 4	LBP	3 Beams (42 LF)
Paint on Metal Ceiling	Brown	Room 4	LBP	410 SF
Paint on Metal Door Frame	Brown	Room 4	LBP	2 Door Frames
Metals Contamination (See Note 4)	12 in x 12 in Floor Surfaces	Two Westernmost Rooms of Building	Cadmium Chromium Lead	ND 3.6 ug/SF to 4.9 ug/SF 5.7 ug/SF to 8.0 ug/SF
Fluorescent Lighting Tubes (Hg) – 4’		Lighting Throughout Building	UWR	8 4’ Tubes (See Note 5)
Fluorescent Lighting Ballasts (potential PCB)		Inside Fluorescent Lighting Fixtures	UWR/PCBs	16 Ballasts

Notes to Table 3:

1. See Table 1 for General Notes.
2. This material was tested and determined to contain less than 1% Chrysotile Asbestos. It was determined that this material would be managed as an ACM, because it was not cost-effective to subject the material to point-count analysis.
3. This flooring system included vinyl tile and mastic. The vinyl floor tile was determined to contain regulated levels of asbestos. Neither the black mastic nor the tan mastic associated with these vinyl flooring tiles was determined to contain detectable levels of asbestos.
4. Though not exceeding any particular regulatory level, the presence of Chromium (which is assumed to include at least some hexavalent chromium) will require compliance with 8 CCR 1532.2 and 29 CFR 1926.1126 (for Chromium VI). Please note that both wipe samples collected within Building 3 exhibited Lead at concentrations considered acceptable levels, as per 8 CCR 1532.1, 22 CCR 35000-36100, and related federal regulations.
5. Several fluorescent lighting fixtures were present which did not contain lighting tubes. Approximately 20-25 tubes are missing and there are indications of broken tubes present throughout the building.

Table 4 - Hazardous Materials Summary – March ARB, Building 4

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Louver Seam Sealant	White	Exterior of Room 10	Class II Non-Friable ACM (See Note 2)	10 LF
12” Vinyl Floor Tile	Brown	Rooms 1, 2, 3 and 5	Class I Non-Friable ACM (See Note 3)	1,800 SF
Pipe Insulation (2.5” OD Aircell™)	Corrugated Paper, Grey to White	Rooms 7, 9 and 10	Friable ACM (See Note 4)	400 LF
Duct Insulation	Hard Pack Insulation, Grey to White	Throughout Building, Concentrated in Room 10	Friable ACM (See Notes 4 and 5)	2,600 SF
Boiler Insulation	Hard Pack Insulation, White	Room 10	Friable ACM (See Notes 4 and 6)	220 SF
Roof Parapet Cap Sheet on Flashing	White Mineralization over Black	Roof Parapet	Class I Non-Friable ACM	80 SF

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Roof Penetration Mastic	Grey over Black	Roof Penetrations	Class I Non-Friable ACM	35 SF
Roof Flashing Mastic	Grey over Black	Roof Flashing Seams	Class I Non-Friable ACM	20 SF
Roof Flashing Cap Mastic	Silver over Black	Roof Flashing Cap Seams	Class I Non-Friable ACM	10 SF
Fire Brick	Red, White and Grey	Room 10	Friable ACM	80 SF
Fire Doors	Thick Metal Door	Rooms 7 and 9	Friable ACM	2 Doors
Paint on Metal Roll-Up Door Frames	Beige	Exterior Roll-Up Doors	LBP	5 Roll-Up Frames
Paint on Metal Door Frames	Beige	Exterior Doors	LBP	5 Door Frames
Paint on Metal Fire Doors and Frames	Beige	Rooms 7 and 9	LBP	2 Doors & Frames
Safety Lines on Concrete	Yellow	Exterior Parking and Dock Areas	LBP	100 LF
Paint on Steel Hoist Beams	Grey	Rooms 6, 8 and 9	LBP	5 Beams (150 LF)
Paint on Steel Hoist Beams	White	Rooms 8 and 9	LBP	4 Beams (240 LF)
Paint on Metal Hoist Hooks	Yellow	Room 8	LBP	2 Hoist Hooks
Paint on Metal Rain Gutter Welds	Beige	Perimeter Rain Gutters	LBP	20 LF
Paint on Concrete Walls	White	Interior Concrete Walls	LBP	2.500 SF
Paint on Metal Compressor Frame	Grey	Room 10	LBP	20 LF
Paint on Metal Ceiling Perimeter	White	Throughout Building	LBP	350 LF
Paint on Metal Roof Vents	Brown	Roof	LBP	3 Vents
Paint on Metal Door Frames	Tan	Interior Doors (see Room 6)	LBP	5 Door Frames
Paint on Metal Door Frames	Green	Interior Doors (see Room 9)	LBP	5 Door Frames
PCB Contamination	10 cm x 10 cm Floor Surfaces	Spread Throughout Building	No PCBs Detected in four samples	
Refrigerant (R-22)		Rear of Building, Exterior	CFC	8.3 Pounds (See Note 7)
Thermo Triggers (Mercury)		Thermostats in Rooms 7 and 8	UWR	2 Triggers
Fluorescent Lighting Tubes (Hg) – 4’		Lighting Throughout Building	UWR	90 4’ Tubes (See Note 8)

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Metal Halide Lamps		Exterior Lighting	UWR	3 Lamps
Fluorescent Lighting Ballasts (potential PCB)		Inside Fluorescent Lighting Fixtures	UWR/PCBs	98 Ballasts

Notes to Table 4:

1. See Table 1 for General Notes.
2. This material was tested and determined to contain less than 1% Chrysotile Asbestos. It was determined that this material would be managed as an ACM, because it was not cost-effective to subject the material to point-count analysis.
3. This flooring system included vinyl tile and mastic. The vinyl floor tile was determined to contain regulated levels of asbestos. Neither the black mastic nor the tan mastic associated with these vinyl flooring tiles was determined to contain detectable levels of asbestos.
4. This material has been significantly damaged in Room 10. Room 10 shall require decontamination under the auspices of an SCAQMD Rule 1403 Procedure 5 Work Plan.
5. **Please note that this material contains 2% Chrysotile, 15% Amosite and 3% Crocidolite Asbestos.**
6. **Please note that this material contains 20% Amosite and 5% Crocidolite Asbestos.**
7. The manufacturer's label for this chiller unit indicates a factory charge of 8.3 pounds of R-22. It appears that the unit was disassembled for salvage, and that the refrigerant was lost.
8. Several fluorescent lighting fixtures were present which did not contain lighting tubes. Rooms 5, 8 and 9 appear to have most 4' tubes intact, but approximately 100 tubes are missing and there are indications of broken tubes present throughout the majority of the building.

Table 5 - Hazardous Materials Summary – March ARB, Building 5

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Roof Membrane	Black Felt with Gravel Ballast	Roof	Class I Non-Friable ACM	1,900 SF
Roof Penetration Mastic	Grey over Black	Roof Penetrations	Class I Non-Friable ACM	15 SF
Roof Vent Jackets	Pure Lead	Roof Penetrations	LBP	2 Jackets
Floor Drains/Covers	Brass	Room 1	LBP	1 Drain
Paint on Metal Door Frames	Brown	Interior and Exterior Door Assemblies	LBP	9 Door Frames
Paint on Metal Doors	Tan	Exterior Doors	LBP	3 Doors
Paint on Metal Doors	Tan	Interior Doors	LBP	6 Doors
Paint on Steel Transformer Shields	Brown	Exterior (West) of Building	LBP	4 Shields
PCB Contamination	10 cm x 10 cm Floor Surfaces	Throughout Main Room of Building	No PCBs Detected in three samples	
Metals Contamination (See Note 2)	12 in x 12 in Floor Surfaces	Throughout Main Room of Building	Cadmium 4.1 ug/SF to 310 ug/SF Chromium 8.2 ug/SF to 11 ug/SF **Lead 52 ug/SF to 71 ug/SF**	

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Capacitors (potential PCB)		Rooms 1, 2 and East Exterior Side	PCB	10 (outside) 19 (inside)
Batteries		Loose Throughout Building	UWR	42 Batteries
Fluorescent Lighting Tubes (Hg) – 4’		Lighting Throughout Building	UWR	92 4’ Tubes
Fluorescent Lighting Ballasts (potential PCB)		Inside Fluorescent Lighting Fixtures	UWR/PCBs	46 Ballasts

Notes to Table 5:

1. See Table 1 for General Notes.
2. Though not exceeding any particular regulatory level, the presence of Cadmium and Chromium (which is assumed to include at least some hexavalent chromium) will require compliance with 8 CCR 1532 and 29 CFR 1926.1127 (for Cadmium) and 8 CCR 1532.2 and 29 CFR 1926.1126 (for Chromium VI). **Please note that all three wipe samples collected throughout the building exhibited Lead at concentrations exceeding the standard for lead contamination of an interior floor**, which is set at 40 micrograms per square foot, as per 8 CCR 1532.1, 22 CCR 35000-36100, and comparable federal regulations.

Table 6 - Hazardous Materials Summary – March ARB, Building 6

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Gypsum Wallboard	Smooth Finish	Interior Walls Throughout Building (Rooms 1 and 4)	ACCM (See Note 2)	250 SF
12” Vinyl Floor Tile and Mastic	Brown over Black	Rooms 1, 4 and 5	Class I Non-Friable ACM	1,200 SF
Paint on Structural Steel	Orange	Throughout Building	LBP	Throughout
Paint on Brick Wall	Brown	Room 1	LBP	100 SF
Paint on Brick Wall	White	Room 1	LBP	300 SF
Paint on Metal Pipes	Beige	Room 2	LBP	24 LF
Paint on Metal Partitions	Beige	Room 2 (includes doors built into partitions)	LBP	2 Partitions
Paint on Wood Door	Brown	Hallway	LBP	1 Door
Paint on Wood Door Frame	Brown	Hallway	LBP	1 Door Frame
Paint on Wood Wall	Beige	Hallway	LBP	200 SF
Paint on Wood Wall	Brown	Room 4	LBP	200 SF
Paint on Metal Bollards	Yellow	Exterior of Building	LBP	6 Bollards
Roof Vent Jackets	Pure Lead	Roof Penetrations	LBP	3 Jackets
Refrigerant (R-22)		Roof-Mounted A/C Units	CFC	See Note 3

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Standing Car Batteries (Lead/Acid)		Room 2	UWR	2 Batteries
Fluorescent Lighting Tubes (Hg) – 4’		Lighting Throughout Building	UWR	15 4’ Tubes (See Note 2)
Fluorescent Lighting Ballasts (potential PCB)		Inside Fluorescent Lighting Fixtures	UWR/PCBs	18 Ballasts

Notes to Table 6:

1. See Table 1 for General Notes.
2. Several fluorescent lighting fixtures were present which did not contain lighting tubes. Approximately 20 tubes are missing and there are indications of broken tubes present throughout the building.
3. Both of the two roof-mounted HVAC units have manufacturer’s labels indicating a factory charge of R-22, but the quantity of the charges was not legible and both units have been significantly damaged by salvage efforts. It appears that all refrigerant was allowed to escape from both units.

Table 7 - Hazardous Materials Summary – March ARB, Building 7

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Window Frame Sealant	Tan	Perimeter Windows Throughout Building	Class I Non-Friable ACM	8 Windows
Cementicious Wall Panels	Grey	Interior Walls	Class II Non-Friable ACM	1,200 SF
12” Vinyl Floor Tile	Brown	Living Room	Class I Non-Friable ACM (See Note 2)	500 SF
Paint on Brick Walls	White	Interior of Living Room	LBP	600 SF
Paint on Metal Window Frames	White	Exterior Windows	LBP	8 Window Frames
Paint on Wood Fascia Boards	Beige	Exterior Perimeter of Building	LBP	120 LF
Paint on Wood Soffit	Beige	Exterior Perimeter of Building	LBP	240 SF
Ceramic Wall Tile	Blue	Shower in Restroom	LBP	30 SF
Floor Drains/Covers	Tarnished Brass	Restroom	LBP	1 Drain

Notes to Table 7:

1. See Table 1 for General Notes.
2. This flooring system included vinyl tile and mastic. The vinyl floor tile was determined to contain regulated levels of asbestos. The black mastic associated with this vinyl flooring tile was NOT determined to contain detectable levels of asbestos.

Table 8 - Hazardous Materials Summary – March ARB, Ammunition Bunker 5022

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Bunker Seam Caulking	Grey/Black	Top of Bunker, at Concrete to Waterproofing Seams	Class I Non-Friable ACM	50 LF
Paint on Steel Doors	Grey	Front (interior) of Bunker	LBP	2 Doors
Paint on Steel Door Frame	Silver	Front (interior) of Bunker	LBP	1 Door Frame
Paint on Steel Doors	Brown	Front (exterior) of Bunker	LBP	2 Doors
Paint on Metal Wall Vents	Grey	Exterior of Bunker	LBP	2 Vents
Paint on Metal Roof Vent	Grey	Roof of Bunker	LBP	1 Vent
Paint on Metal Roof Vent Door	Brown	Roof of Bunker	LBP	1 Vent Door
Floor Safety Striping	Yellow	Interior of Bunker and Exterior Pad	LBP	300 LF

Notes to Table 8:

1. See Table 1 for General Notes.

Table 9 - Hazardous Materials Summary – March ARB, Ammunition Bunker 5023

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Bunker Seam Caulking	Grey/Black	Top of Bunker, at Concrete to Waterproofing Seams	Class I Non-Friable ACM	50 LF
Paint on Steel Doors	Grey	Front (interior) of Bunker	LBP	2 Doors
Paint on Steel Door Frame	Silver	Front (interior) of Bunker	LBP	1 Door Frame
Paint on Steel Doors	Brown	Front (exterior) of Bunker	LBP	2 Doors
Paint on Metal Wall Vents	Grey	Exterior of Bunker	LBP	2 Vents
Paint on Metal Roof Vent Door	Brown	Roof of Bunker	LBP	1 Vent Door
Vent Seam Weld	Grey	Roof of Bunker	LBP	1 Weld Seam
Floor Safety Striping	Yellow	Interior of Bunker and Exterior Pad	LBP	320 LF

Notes to Table 9:

1. See Table 1 for General Notes.

Table 10 - Hazardous Materials Summary – March ARB, Ammunition Bunker 5024

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Bunker Seam Caulking	Grey/Black	Top of Bunker, at Concrete to Waterproofing Seams	Class I Non-Friable ACM	50 LF
Caulking at Electrical Panel	Black	Front Right Side of Bunker (when facing bunker)	Class I Non-Friable ACM	2 SF
Paint on Steel Doors	Grey	Front (interior) of Bunker	LBP	2 Doors
Paint on Steel Door Frame	Silver	Front (interior) of Bunker	LBP	1 Door Frame
Paint on Steel Doors	Brown	Front (exterior) of Bunker	LBP	2 Doors
Paint on Metal Wall Vents	Grey	Exterior of Bunker	LBP	2 Vents
Paint on Metal Roof Vent Door	Brown	Roof of Bunker	LBP	1 Vent Door
Vent Seam Weld	Grey	Roof of Bunker	LBP	1 Weld Seam
Floor Safety Striping	Yellow	Interior of Bunker and Exterior Pad	LBP	320 LF

Notes to Table 10:

1. See Table 1 for General Notes.

Table 11 - Hazardous Materials Summary – March ARB, Ammunition Bunker 5025

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Bunker Seam Caulking	Grey/Black	Top of Bunker, at Concrete to Waterproofing Seams	Class I Non-Friable ACM	50 LF
Caulking at Electrical Panel	Black	Front Right Side of Bunker (when facing bunker)	Class I Non-Friable ACM	2 SF
Paint on Steel Doors	Grey	Front (interior) of Bunker	LBP	2 Doors
Paint on Steel Door Frame	Silver	Front (interior) of Bunker	LBP	1 Door Frame
Paint on Steel Doors	Brown	Front (exterior) of Bunker	LBP	2 Doors
Paint on Metal Wall Vents	Grey	Exterior of Bunker	LBP	2 Vents
Paint on Metal Roof Vent Door	Brown	Roof of Bunker	LBP	1 Vent Door
Vent Seam Weld	Grey	Roof of Bunker	LBP	1 Weld Seam
Floor Safety Striping	Yellow	Interior of Bunker and Exterior Pad	LBP	320 LF

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Notes to Table 11: 1. See Table 1 for General Notes.				

Table 12 - Hazardous Materials Summary – March ARB, Ammunition Bunker 5026

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Bunker Seam Caulking	Grey/Black	Top of Bunker, at Concrete to Waterproofing Seams	Class I Non-Friable ACM	50 LF
Caulking at Electrical Panel	Black	Front Right Side of Bunker (when facing bunker)	Class I Non-Friable ACM	2 SF
Paint on Steel Doors	Grey	Front (interior) of Bunker	LBP	2 Doors
Paint on Steel Door Frame	Silver	Front (interior) of Bunker	LBP	1 Door Frame
Paint on Steel Doors	Brown	Front (exterior) of Bunker	LBP	2 Doors
Paint on Metal Wall Vents	Grey	Exterior of Bunker	LBP	2 Vents
Paint on Metal Roof Vent Door	Brown	Roof of Bunker	LBP	1 Vent Door
Vent Seam Weld	Grey	Roof of Bunker	LBP	1 Weld Seam
Floor Safety Striping	Yellow	Interior of Bunker and Exterior Pad	LBP	320 LF
Notes to Table 12: 1. See Table 1 for General Notes.				

Table 13 - Hazardous Materials Summary – March ARB, Ammunition Bunker 5027

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Bunker Seam Caulking	Grey/Black	Top of Bunker, at Concrete to Waterproofing Seams	Class I Non-Friable ACM	50 LF
Waterproof Membrane	Black	Roof of Bunker (See Note 2)	Class I Non-Friable ACM	400 SF
Caulking at Electrical Panel	Black	Front Right Side of Bunker (when facing bunker)	Class I Non-Friable ACM	2 SF
Paint on Steel Doors	Grey	Front (interior) of Bunker	LBP	2 Doors
Paint on Steel Door Frame	Silver	Front (interior) of Bunker	LBP	1 Door Frame

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Paint on Steel Doors	Brown	Front (exterior) of Bunker	LBP	2 Doors
Paint on Metal Wall Vents	Grey	Exterior of Bunker	LBP	2 Vents
Paint on Metal Roof Vent Door	Brown	Roof of Bunker	LBP	1 Vent Door
Vent Seam Weld	Grey	Roof of Bunker	LBP	1 Weld Seam
Floor Safety Striping	Yellow	Interior of Bunker and Exterior Pad	LBP	320 LF

Notes to Table 13:

1. See Table 1 for General Notes.
2. This material was observed at both ends of the bunker, but was not observed at the middle of the bunker roof. Contractor to field verify quantity by exposing bunker roof prior to demolition.

Table 14 - Hazardous Materials Summary – March ARB, Ammunition Bunker 5028

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Bunker Seam Caulking	Grey/Black	Top of Bunker, at Concrete to Waterproofing Seams	Class I Non-Friable ACM	50 LF
Caulking at Electrical Panel	Black	Front Right Side of Bunker (when facing bunker)	Class I Non-Friable ACM	2 SF
Paint on Steel Doors	Grey	Front (interior) of Bunker	LBP	2 Doors
Paint on Steel Door Frame	Silver	Front (interior) of Bunker	LBP	1 Door Frame
Paint on Steel Doors	Brown	Front (exterior) of Bunker	LBP	2 Doors
Paint on Metal Wall Vents	Grey	Exterior of Bunker	LBP	2 Vents
Paint on Metal Roof Vent Door	Brown	Roof of Bunker	LBP	1 Vent Door
Vent Seam Weld	Grey	Roof of Bunker	LBP	1 Weld Seam
Floor Safety Striping	Yellow	Interior of Bunker and Exterior Pad	LBP	320 LF

Notes to Table 14:

1. See Table 1 for General Notes.

Table 15 - Hazardous Materials Summary – March ARB, Ammunition Bunker 5029

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Bunker Seam Caulking	Grey/Black	Top of Bunker, at Concrete to Waterproofing Seams	Class I Non-Friable ACM	50 LF
Caulking at Electrical Panel	Black	Front Right Side of Bunker (when facing bunker)	Class I Non-Friable ACM	2 SF
Paint on Steel Doors	Grey	Front (interior) of Bunker	LBP	2 Doors
Paint on Steel Door Frame	Silver	Front (interior) of Bunker	LBP	1 Door Frame
Paint on Steel Doors	Brown	Front (exterior) of Bunker	LBP	2 Doors
Paint on Metal Wall Vents	Grey	Exterior of Bunker	LBP	2 Vents
Paint on Metal Roof Vent Door	Brown	Roof of Bunker	LBP	1 Vent Door
Vent Seam Weld	Grey	Roof of Bunker	LBP	1 Weld Seam
Floor Safety Striping	Yellow	Interior of Bunker and Exterior Pad	LBP	320 LF

Notes to Table 15:

1. See Table 1 for General Notes.

Table 16 - Hazardous Materials Summary – March ARB, Ammunition Bunker 5030

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Bunker Seam Caulking	Grey/Black	Top of Bunker, at Concrete to Waterproofing Seams	Class I Non-Friable ACM	50 LF
Waterproof Membrane	Black	Roof of Bunker (See Note 2)	Class I Non-Friable ACM	400 SF
Paint on Steel Doors	Grey	Front (interior) of Bunker	LBP	2 Doors
Paint on Steel Door Frame	Silver	Front (interior) of Bunker	LBP	1 Door Frame
Paint on Steel Doors	Brown	Front (exterior) of Bunker	LBP	2 Doors
Paint on Metal Wall Vents	Grey	Exterior of Bunker	LBP	2 Vents
Paint on Metal Roof Vent Door	Brown	Roof of Bunker	LBP	1 Vent Door
Vent Seam Weld	Grey	Roof of Bunker	LBP	1 Weld Seam
Floor Safety Striping	Yellow	Interior of Bunker and Exterior Pad	LBP	160 LF

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]

Notes to Table 16:

1. See Table 1 for General Notes.
2. This material was observed at both ends of the bunker, but was not observed at the middle of the bunker roof. Contractor to field verify quantity by exposing bunker roof prior to demolition.

Table 17 - Hazardous Materials Summary – March ARB, Ammunition Bunker 5033

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Wall Vent Caulking	White/Beige	Exterior of Bunker	Class II Non-Friable ACM	2 SF
Paint on Steel Doors	Grey	Front (interior) of Bunker	LBP	2 Doors
Paint on Steel Door Frame	Grey	Front (interior) of Bunker	LBP	1 Door Frame
Paint on Steel Doors	Brown	Front (exterior) of Bunker	LBP	2 Doors
Paint on Steel Door Hinges	White	Front (exterior) of Bunker	LBP	2 Hinges
Paint on Metal Wall Vent	White	Exterior of Bunker	LBP	1 Vent
Floor Safety Striping	Yellow	Interior of Bunker	LBP	6 LF
Paint on Steel Doors	Grey	Door to Interior (NBC storage) Room of Bunker	LBP	1 Door
Paint on Steel Door Frame	White	Door to Interior (NBC storage) Room of Bunker	LBP	1 Door Frame

Notes to Table 17:

1. See Table 1 for General Notes.

Table 18 - Hazardous Materials Summary – March ARB, Ammunition Bunker 5034

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Waterproof Membrane	Black	Roof of Bunker (See Note 2)	Class I Non-Friable ACM	400 SF
Floor Safety Striping	Yellow	Interior of Bunker and Exterior Pad	LBP	320 LF
Paint on Steel Doors	Grey	Front (interior) of Bunker	LBP	2 Doors
Paint on Steel Door Frame	Grey	Front (interior) of Bunker	LBP	1 Door Frame
Paint on Steel Doors	Brown	Front (exterior) of Bunker	LBP	2 Doors

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Paint on Steel Door Hinges	White	Front (exterior) of Bunker	LBP	2 Hinges
Paint on Metal Wall Vent	Brown	Exterior of Bunker	LBP	1 Vent
Paint on Metal Threshold	Orange	Front (interior) of Bunker	LBP	1 Threshold

Notes to Table 18:

1. See Table 1 for General Notes.
2. This material was observed at both ends of the bunker, but was not observed at the middle of the bunker roof. Contractor to field verify quantity by exposing bunker roof prior to demolition.

Table 19 - Hazardous Materials Summary – March ARB, Ammunition Bunker 5035

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
There were no ACMs or ACCMs identified at Bunker 5035				
Paint on Steel Doors	Grey	Front (interior) of Bunker	LBP	2 Doors
Paint on Steel Door Frame	Silver	Front (interior) of Bunker	LBP	1 Door Frame
Paint on Steel Doors	Brown	Front (exterior) of Bunker	LBP	2 Doors
Paint on Steel Door Hinges	White	Front (exterior) of Bunker	LBP	2 Hinges
Paint on Metal Wall Vent	Brown	Exterior of Bunker	LBP	1 Vent
Floor Safety Striping	Yellow	Interior of Bunker	LBP	30 LF
Paint on Concrete Lower Walls	Green (See Note 2)	Interior Lower Bunker Walls	LBP	560 SF
Paint on Steel Door Frame	White	Door to Interior (NBC storage) Room of Bunker	LBP	1 Door Frame

Notes to Table 19:

1. See Table 1 for General Notes.
2. The lower several feet of the interior bunker walls are coated with a green paint that is LBP. Several areas of this green paint are covered with white paint, but it is clear that the green paint is present beneath the white paint, and the white-over-green paint assembly is still an LBP.

Table 20 - Hazardous Materials Summary – March ARB, Ammunition Bunker 5036

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
There were no ACMs or ACCMs identified at Bunker 5036				
Paint on Steel Doors	Grey	Front (interior) of Bunker	LBP	2 Doors
Paint on Steel Door Frame	White	Front (interior) of Bunker	LBP	1 Door Frame
Paint on Steel Doors	Brown	Front (exterior) of Bunker	LBP	2 Doors
Paint on Steel Door Hinges	White	Front (exterior) of Bunker	LBP	2 Hinges
Paint on Metal Wall Vent	Brown	Exterior of Bunker	LBP	1 Vent
Paint on Metal Threshold	Orange	Front (interior) of Bunker	LBP	1 Threshold

Notes to Table 20:

1. See Table 1 for General Notes.

Table 21 - Hazardous Materials Summary – March ARB, Ammunition Bunker 5037

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Waterproof Membrane	Black	Roof of Bunker (See Note 2)	Class I Non-Friable ACM	600 SF
Pipe Insulation	Black	On Ground at Rear (exterior) of Bunker 5037	Friable ACM	30 LF (See Note 3)
Paint on Steel Doors	Grey	Front (interior) of Bunker	LBP	2 Doors
Paint on Steel Door Frame	Silver	Front (interior) of Bunker	LBP	1 Door Frame
Paint on Steel Doors	Brown	Front (exterior) of Bunker	LBP	2 Doors
Paint on Metal Wall Vents	Grey	Exterior of Bunker	LBP	2 Vents
Paint on Metal Roof Vent	Grey	Roof of Bunker	LBP	1 Vent
Paint on Metal Roof Vent Door	Brown	Roof of Bunker	LBP	1 Vent Door

Notes to Table 21:

1. See Table 1 for General Notes.
2. This material was observed at both ends of the bunker, but was not observed at the middle of the bunker roof. Contractor to field verify quantity by exposing bunker roof prior to demolition.
3. This material is laying loose in weeds. The material is significantly damaged, and must be removed under the auspices of an SCAQMD Rule 1403 Procedure 5 Work Plan.

Table 22 - Hazardous Materials Summary – March ARB, Water Tower

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
There were no ACMs or ACCMs identified at the Water Tower				
There were no LBPs identified at the Water Tower				
Notes to Table 22: 1. See Table 1 for General Notes.				

Table 23 - Hazardous Materials Summary – March ARB, Cooling Tower between Buildings 1 & 2

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Cementicious Wall Panels	Grey	Cooling Tower Walls	Class II Non-Friable ACM (See Note 2)	300 SF
Cement Panel Seam Sealant	Brown	Seams of Cooling Tower Walls	Class II Non-Friable ACM	40 LF
Tar Base Coating	Black Tar-Like Coating	Water Retention Basin of Cooling Tower	Class II Non-Friable ACM (See Note 2)	40 SF
There were no LBPs identified at the Cooling Tower				
Metals-Contaminated Wood (See Note 3)	Cooling Tower Wood Components	Water-Holding Portions of the Cooling Tower located between Buildings 1 and 2	Barium 45 mg/kg Cadmium 2.8 mg/kg Chromium 2.0 mg/kg Copper 18 mg/kg Lead 13 mg/kg Mercury 0.10 mg/kg Molybdenum 2.1 mg/kg Nickel 3.2 mg/kg Thallium 1.1 mg/kg Zinc 560 mg/kg	

Notes to Table 23:

1. See Table 1 for General Notes.
2. Both the wall panels and the tar-like base coating have moderate damage, including small pieces of cementicious panel walls that have broken-off, and are laying on the ground adjacent to the Cooling Tower. Approximately 5 SF of the tar base coating is damaged in-situ, approximately 10 SF of cementicious panels are damaged in-situ and approximately 3 SF of cementicious panels are damaged and laying on the ground. These materials should be removed under the auspices of an SCAQMD Rule 1403 Procedure 5 Work Plan.
3. None of the positive metals results for this testing episode requires further testing to determine if the waste is a hazardous waste as defined by 22 CCR 66261.24 and/or 40 CFR 261-268. Impacts to the wooden water-retaining portions of the cooling tower must be performed in accordance with 8 CCR 1532 and 29 CFR 1926.1127 (for Cadmium), 8 CCR 1532.1 and 29 CFR 1926.62 (for Lead), 8 CCR 1532.2 and 29 CFR 1926.1126 (for Chromium VI) and 8 CCR 5155 for potential exposure to the remaining metals identified at the site.

Table 24 - Hazardous Materials Summary – March ARB, Electrical Shed NE of 5026

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
There were no ACMs or ACCMs identified at the Electrical Shed				
Paint on Metal Wall Louvers	Brown	Exterior Walls	LBP	2 Louvers
Paint on Metal Door Frame	Brown	West Side of Shed	LBP	1 Door Frame
Paint on Metal Door	Brown	West Side of Shed	LBP	1 Door
Battery Gel Cell		Interior of Shed	UWR	1 Gel Cell

Notes to Table 24:

1. See Table 1 for General Notes.

Table 25 - Hazardous Materials Summary – March ARB, Transformer Enclosure SW of 5026

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
There were no ACMs or ACCMs identified at the Transformer Enclosure				
Paint on Steel Transformer Shields	Brown	Exterior (West) of Building	LBP	2 Shields (See Note 2)

Notes to Table 25:

1. See Table 1 for General Notes.
2. The entire transformer enclosure is coated with LBP. The enclosure is constructed of two L-shaped steel shields which, combined, create the four walls of the enclosure.

Table 26 - Hazardous Materials Summary – March ARB, Power and Lighting Poles

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
There were no ACMs or ACCMs identified at the various Lighting and Power Poles				
Paint on Metal Power Panels	Yellow	Pole No. 1-27A	LBP	1 Panel
Paint on Metal Power Panels	Orange	Power Poles with Electrical Panels Throughout Site	LBP	12 Panels
Treated Wood (See Note 2)		Wood Poles and Electrical Substations	TWW (See Note 2)	376 Wood Poles
Transformers (See Note 3)		Pole-Mounted Transformers (3 per pole x 14 poles) Throughout Site	PCB	42 Transformers
Perimeter Lighting Lamps (See Note 4)		Fenced Perimeter (poles are inside the fence line)	UWR	113 Lamps

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
Security Lighting Lamps (See Note 5)		Distributed Throughout Fenced Perimeter of Project Area	UWR	396 Lamps

Notes to Table 26:

1. See Table 1 for General Notes.
2. Vista counted 113 Perimeter Lighting Poles, 66 Security Lighting Poles, 195 Power Poles and two extra tall Communication Poles. In addition, there are two electrical substations that utilize treated wood lumber for the power station support framework.
3. Fourteen (14) of the 195 power poles have three transformers (per pole) mounted on them. These transformers are generally approximately 20 feet up in the air, and will require assessment for PCBs prior to demolition.
4. There are 113 Perimeter Lighting Poles, each with a single street light. Due to the height of the lights and the fact that they are covered, it is unclear if these are incandescent lamps or non-incandescent (likely CFL or metal halide) lamps.
5. There are 66 Security Lighting Poles, each with six lamps (many also have a security camera mounted atop the pole). Due to the height of the lights and the fact that they are covered, it is unclear precisely what type of lamp these are, but they are clearly not incandescent lamps, and appear to be either sodium vapor or metal halide lamps.

Table 27 - Hazardous Materials Summary – March ARB, Roadways and Parking Areas

MATERIAL	DESCRIPTION	LOCATION	CONTAMINANT	ESTIMATED QUANTITY[1]
There were no ACMs or ACCMs identified at the various Roads and Parking Areas				
Safety Lines on Asphalt	Yellow	Roadway Center Stripes	LBP	2,000 LF
Safety Lines on Concrete	Yellow	Parking Areas and Ammunition Bunker Aprons	LBP	650 LF

Notes to Table 27:

1. See Table 1 for General Notes.

SITE DESCRIPTION

The site is a portion of the former March Air Reserve Base (ARB), which was utilized for multiple purposes, mainly related to munitions storage and related support structures, during the time that the site was operational as either March Air Force Base (AFB) or March ARB. The far Eastern portions of the site include a Security Post as well as an Office/Barack and Kennels for a K-9 Unit.

As a basic rule of thumb, the munitions bunkers are constructed of reinforced concrete with heavy steel blast doors, waterproofing, and at least one foot of soil situated over the top of the structure. Each of the bunkers has limited ventilation and power. Three of the bunkers (5033, 5035 and 5037) appear to be configured for the storage of nuclear, biological and/or chemical (NBC) munitions, and have an internal room, with secondary blast door and a secondary ventilation system.

Buildings 1 through 5 are all comparable, with structural steel, sheet metal skin and/or CMU walls and an asphaltic roof membrane. Interior improvements vary, but generally consist of drywall, plaster or CMU walls, a mixture of bare concrete and vinyl flooring finishes, and there are some limited ceiling finishes (most areas are open ceiling). Ceiling finishes are lay-in acoustic ceiling panels or drywall hard lids, where present. Building 1 had been significantly damaged by fire at some point prior to this investigation, and was unsafe to enter, with the roof collapsed and the interior tangled charred debris. Only the exterior of Building 1 was assessed due to structural integrity issues.

Buildings 6 and 7 were the Security Post and the K-9 Office/Barrack. Building 6 is comparable in construction to Buildings 1 through 5, but with significantly more flooring and ceiling finishes. Building 7 is constructed of a combination of lumber, brick, stucco and interior plaster walls with a combination of ceiling tile and plaster or drywall hard lids, and appears to be similar in construction to a typical single family residence.

Significant damage was observed to a number of the asbestos-containing materials identified at the project site. Where damage is present to an ACM, it is duly noted in Tables 1 through 27, above, which discuss hazardous materials identified throughout the project site.

METHODOLOGY

Vista performed the hazardous materials investigation and all sampling of the various project structures between 20 October and 28 October 2021. All site work, visual observations and testing was performed by Vista employees Eloy Acuna and Peter Kolesar and Yvan Schmidt.

Mr. Acuna is a Cal/OSHA Certified Site Surveillance Technician (No. 18-6118) and Lead-Related Construction Sampling Technician (No. 8422), as issued by the State of California Department of Public Health (Cal/DPH).

Mr. Peter Kolesar is a Cal/OSHA Certified Asbestos Consultant (No. 15-5543) and Lead-Related Construction Inspector/Assessor Project Monitor (Nos. 7819 & 7820), as issued by the State of California Department of Public Health (Cal/DPH).

Mr. Schmidt is a Cal/OSHA Certified Asbestos Consultant (No. 05-3791) and Lead-Related Construction Inspector/Assessor, Project Designer and Project Monitor (Nos. 00813, 00814 & 00815), as issued by the State of California Department of Public Health (Cal/DPH). All three men are also HAZWOPER-certified.

The following procedures and testing methods were followed when performing this hazardous materials investigation:

Asbestos

The asbestos survey was performed generally in accordance with the AHERA protocol (40 CFR Part 763, Subpart E) and the requirements of SCAQMD Rule 1403. Visual identification was performed by assessing visible and accessible structural, architectural, and mechanical components that may be impacted as part of this specific project, for the presence of suspect ACM at the Project Site. Each identified suspect asbestos-containing material (ACM) was sampled in accordance with procedures established by the United States Environmental Protection Agency (USEPA).

A minimum of three bulk samples were collected of all thermal system insulations and all miscellaneous materials. Surfacing materials were subjected to the 3/5/7 rule (3 samples were collected if less than 1,000 square feet was present; 5 samples were collected if 1,000 square feet or more, but less than 5,000 square feet was present; 7 samples were collected if 5,000 square feet or more was present).

Quantities and locations are based upon areas that were accessed for this work, and do not represent the entire building. Materials similar to those in this report may be present in areas which were not accessed. Subsurface areas were not part of this survey.

Suspect ACM samples were delivered, under chain-of-custody, to AQ Environmental Laboratories, located at 1508 East 33rd Street in Signal Hill, California, 90745 (tel: 562.206.2770). AQ Environmental Laboratories is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP No. 500044-0) and the California Environmental Laboratory Accreditation Program (Cal/ELAP No. 2823). Samples were submitted for analysis by Polarized Light Microscopy (PLM) utilizing dispersion staining techniques in accordance with the EPA's "Method for the Determination of Asbestos in Bulk Building Materials" U.S. EPA 600/M4-82-020; updated Method R-93/116 (adopted by the NVLAP as Test Method Code 18/A01).

Lead

Suspect lead-containing surface coatings (LCSCs), lead-based paints (LBPs) and lead-bearing substances (LBS) were identified via visual inspection. Representative surface coatings and materials were tested by direct-reading X-Ray Fluorescence (XRF) device. The device operator puts the XRF up against the coated surface or item and activates the device, holds the device in place until a QA/QC-verified reading has been acquired, and then moves the device to the next sampling location.

This survey was a limited screening of coated surfaces for the purpose of characterizing the lead content in paint and coatings likely to be disturbed during work activities. For this purpose, XRF screening utilizing a NITON XLp X-Ray Fluorescence Analyzer was performed. The XRF testing was used to screen for lead levels and provides results that are generally representative of typical conditions throughout each structure, but may not be not inclusive of all painted/coated surfaces present at the Project Site.

Lead-Based Paint (LBP) is defined by Cal/DPH, Cal/OSHA and the USEPA as any paint containing lead levels exceeding 0.5 % by weight (or 5,000 parts per million) via paint chip sampling, or 1.0 milligrams per centimeter squared (mg/cm^2) or greater via direct read XRF instrument sampling. Cal/OSHA rules apply to "any detectable concentration of lead" without a specified detection level.

Wipe and Metals Bulk Sampling

Buildings 2, 3,4 and 5 all appeared to have some form of industrial or mechanical areas, and were assessed for either PCB or metals contamination, as determined to be appropriate by the survey team in the field. Contamination assessment was performed by collecting wipes samples.

Wipe sampling for PCBs was performed in accordance with United States Environmental Protection Agency (USEPA) requirements, as outlined in 40 CFR 761. Each sample was collected as follows:

1. A ten centimeter by ten centimeter sampling template was laid upon the surface to be tested.
2. A sterile gauze sampling pad was saturated with a few milliliters of hexane, wetting the sampling media.

3. The sampling area within the template was wiped three times, including an "S" wipe from right to left, an "S" wipe from top to bottom, and then a wipe around the perimeter of the sampling area in an ever-tightening circle until complete at the center of the sampling area.
4. The used wipe sampling media was placed in a borosilicate glass sample jar (four or six ounce) with a Teflon™-lined lid, closed, and a unique sample number was written on both the glass jar and the lid of each sample. Samples were then placed on ice in a cooler.
5. All pertinent sample information was written on the subject Wipe Sampling Form prior to moving on to the next sampling location.

Wipe sampling for metals was performed in accordance with Cal/OSHA requirements, as outlined in 8 CCR 1532.1, 22 CCR 35000-36100, 29 CFR 1926.62, 40 CFR 765 and the OSHA Field Manual. Each sample was collected as follows:

1. A twelve inch by twelve inch sampling template was laid upon the surface to be tested.
2. A Ghost Wipe™ sampling wipe was utilized to wipe the sampling area three times, including an "S" wipe from right to left, an "S" wipe from top to bottom, and then a wipe around the perimeter of the sampling area in an ever-tightening circle until complete at the center of the sampling area.
3. The used wipe sampling media was placed in an HDPE centrifuge tube with a Teflon™-lined lid, closed, and a unique sample number was written on both the centrifuge tube and the lid of each sample. Samples were then placed on ice in a cooler.
4. All pertinent sample information was written on the subject Wipe Sampling Form prior to moving on to the next sampling location.

Wipe samples were delivered, under chain-of-custody, to Advanced Technology Laboratories, located at 3275 Walnut Avenue in Signal Hill, California, 90745 (tel: 562.989.4045). Advanced Technology Laboratories is accredited under the California Environmental Laboratory Accreditation Program (Cal/ELAP No. 1838).

Finally, a bulk samples was collected of the wood portions of the Cooling Tower located between Buildings 1 and 2. Specifically, a total of six grab samples were collected of wood utilized for the water retention basin and three grab samples were collected of wood panel supports which were located inside the water retention basin (support samples were collected from the bottom six inches of each support, to ensure only water-impacted portions of the supports were tested). The sampling was performed utilizing a pre-cleaned plastic chisel to remove pieces of target wood and placed directly into a borosilicate glass sample jar (eight ounce) with a Teflon™-lined lid, closed, and a unique sample number was written on both the glass jar and the lid of the sample. This sample was then placed on ice in a cooler and the applicable Sampling Form was completed prior to transportation to Advanced Technology Laboratories.

Wipe samples for PCBs were submitted for analysis in accordance with USEPA Method 8082. Wipe samples for metals (Cadmium, Chromium and Lead) were submitted for analysis in accordance with USEPA Method 6010B. Due to the potential for contact with water treatment chemicals, the bulk sample of wood from the Cooling Tower was submitted for analysis of "CAM-17 Metals," including sixteen metals to be analyzed for in accordance with USEPA Method 6010B and Mercury in accordance with USEPA Method 7471A.

Other Hazardous Materials

All investigation related to potential treated wood wastes and Universal Waste Rule items was performed visually. No sampling was performed for these items during this initial investigation, which was limited to

noting all accessible items and, where applicable, such as for potential treated wood waste, recommendations for future testing.

RESULTS

Asbestos

The results of the bulk samples collected for asbestos, and analyzed by PLM, indicate that detectable concentrations of asbestos ***are present*** in some of the finishes tested. Details of these materials are available in the Hazardous Materials Summary Tables (Tables 1 through 27) in the Executive Summary, above.

The results of the bulk samples collected for asbestos, and analyzed by PLM, materials from historic data, or assumed materials, indicate that detectable concentrations of asbestos ***were not present*** in the following materials (see Tables 28 through 54, which follow):

Table 28 – Materials with No Asbestos Detected at Building 1

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Pavement Seam Sealant	Black	3
B	CMU Grout	Red	3
C	Pipe Wrap	Black	3
D	Concrete	Gray	3

Table 29 – Materials with No Asbestos Detected at Building 2

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Roof Membrane	Black Top, Gravel	3
C	CMU Grout	Gray	3
D	Concrete	Gray	3
F	Base Cove/Mastic	4” Black/Tan	3
O	Gasket	Red	3
P	Vibration Dampener	Black	3
Q	Wallboard/Joint Compound	White/Brown, Smooth	3

Table 30 – Materials with No Asbestos Detected at Building 3

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Roof Membrane	Black, Gravel Top	3
F	Pavement Seam Caulking	White	3
G	Concrete	Gray	3
J	Base Cove/Mastic	4” Black/Brown	3
K	Plaster	Green/White/Beige, Smooth	3

Table 31 – Materials with No Asbestos Detected at Building 4

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Electric Panel Mastic	Tan	3
B	Pavement Seam Sealant	Black	3
C	Exterior Duct Mastic	White/Gray	3
D	CMU Grout	Red	3
F	Exterior Pipe Coating	Black	3
G	Exterior Leveling Compound	Tan	3
H	Carpet Mastic	Tan	3
I	Vinyl Floor Tile	12” White/Tan	3
J	Wallboard	White/Brown, Unfinished	3
K	Duct Wrap	Brown Fiberglass, Black Wrap	3
L	Ceiling Panel	2’x4’ White, Fissured	3
M	Duct Wrap	Fiberglass, Black Plastic Wrap	3
N	Sink Undercoating Material	Black	3
O	Ceiling Panel	2’x4’ White/Yellow, Fiberglass	3
Q	Vinyl Floor Tile/Mastic	12” Beige/Black	3
R	Wallpaper	White, Tan Adhesive	3
U	Thermal Systems Insulation – Run	8” Gray Hardpack	1

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
V	Thermal Systems Insulation – Run	8” White Hardpack	1
X	Thermal Systems Insulation – Elbow	Gray, Hardpack	1
Y	Thermal Systems Insulation – Run	8” Fiberglass, Black Wrap	3
Z	Boiler Rope Gasket	White	3
AA	Thermal Systems Insulation – Run	Yellow/Gray/White/Silver Fiberglass, Paper Cover	3
BB	Vibration Dampener	Gray, Vinyl	3
DD	Roof Membrane	Black, Gravel Top	3
II	Concrete	Gray	3

Table 32 – Materials with No Asbestos Detected at Building 5

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
C	Duct Mastic	White	3
D	CMU Grout	Gray	3
E	Electrical Box Backing Panel	Black	3

Table 33 – Materials with No Asbestos Detected at Building 6

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Ceiling Panel	2’x4’ White/Beige, Fissured	3
B	Plaster	Gray/White, Sand Finish	3
C	Plaster	Beige/Gray, Sand Finish	3
F	Ceiling Tile	12”x12” White/Beige	3
G	Base Cove/Mastic	4” Black/Brown	3
H	Roof Membrane	Black, Gravel Top	3
I	Roof Curb	White/Black, Capsheet	3
J	Roof Penetration Mastic	Black	3

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
K	Roof Duct Mastic	White	3
L	Flashing Mastic	Gray/Black	3
M	Pitch Pocket Mastic	Gray/Black	3
N	CMU Grout	Gray	3
O	Duct Wrap	Yellow/Black, Fiberglass	3
P	Base Cove/Mastic	4” Brown/Brown	3
Q	Roof Flashing Sealant	White	3
R	Concrete	Gray	3
S	Window Frame Sealant	Black	3

Table 34 – Materials with No Asbestos Detected at Building 7

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Roof Shingles	Red/Black, Black Felt Paper	3
B	Window Putty	Gray	3
D	Wallboard/Joint Compound	White/Brown, Unfinished	3
F	Vinyl Floor Tile/Mastic	12” Red/Black	3
H	Exterior Pavement Seam Caulking	White	3
I	CMU Grout	Gray	3

Table 35 – Materials with No Asbestos Detected at Ammunition Bunker 5022

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Waterproofing	Black	3
C	Exterior Vent Sealant	Gray, Silicone	3

Table 36 – Materials with No Asbestos Detected at Ammunition Bunker 5023

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Waterproofing	Black	3
C	Exterior Vent Sealant	Gray, Silicone	3

Table 37 – Materials with No Asbestos Detected at Ammunition Bunker 5024

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Waterproofing	Black	3
C	Exterior Vent Sealant	Gray, Silicone	3

Table 38 – Materials with No Asbestos Detected at Ammunition Bunker 5025

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Waterproofing	Black	3
C	Exterior Vent Sealant	Gray, Silicone	3

Table 39 – Materials with No Asbestos Detected at Ammunition Bunker 5026

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Waterproofing	Black	3
C	Exterior Vent Sealant	Gray, Silicone	3

Table 40 – Materials with No Asbestos Detected at Ammunition Bunker 5027

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
C	Exterior Vent Sealant	Gray, Silicone	3

Table 41 – Materials with No Asbestos Detected at Ammunition Bunker 5028

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Waterproofing	Black	3

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
C	Exterior Vent Sealant	Gray, Silicone	3

Table 42 – Materials with No Asbestos Detected at Ammunition Bunker 5029

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Waterproofing	Black	3
C	Exterior Vent Sealant	Gray, Silicone	3

Table 43 – Materials with No Asbestos Detected at Ammunition Bunker 5030

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
C	Exterior Vent Sealant	Gray, Silicone	3

Table 44 – Materials with No Asbestos Detected at Ammunition Bunker 5033

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Exterior Pavement Seam Caulking	Black	3
B	Interior Pavement Seam Sealant	Black	3
E	Roof – Waterproofing	Black	3

Table 45 – Materials with No Asbestos Detected at Ammunition Bunker 5034

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
B	Exterior Pavement Seam Caulking	Black	3
C	Interior Pavement Seam Caulking	Black	3
D	Stucco Patch	Beige, Sand Finish	3

Table 46 – Materials with No Asbestos Detected at Ammunition Bunker 5035

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Exterior Pavement Seam Caulking	Black	3
B	Interior Pavement Seam Caulking	Black	3
C	Concrete	Gray	3
D	Roof – Waterproofing	Black	3

Table 47 – Materials with No Asbestos Detected at Ammunition Bunker 5036

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Waterproofing	Black	3
B	Exterior Pavement Seam Caulking	Black	3
C	Interior Pavement Seam Caulking	Black	3
D	Stucco Patch	Sand	3
E	Silver Texture	Silver	3

Table 48 – Materials with No Asbestos Detected at Ammunition Bunker 5037

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Exterior Pavement Caulking	Black	3
B	Conduit Caulking	White	3
C	Interior Pavement Seam Caulking	Black	3
D	Concrete	Gray	3
E	Electrical Box Rope Gasket	Black	3

Table 49 – Materials with No Asbestos Detected at Water Tower North of Building 2

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
There were no suspect materials to test for asbestos content at this structure			

Table 50 – Materials with No Asbestos Detected at Cooling Tower Between Buildings 1 and 2

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
There were no suspect materials tested for asbestos content at this structure that did not contain detectable levels of asbestos			

Table 51 – Materials with No Asbestos Detected at Shed (Cinder block former electrical room across street and to NE of Ammo Bunker 5026)

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	CMU Grout	Gray	3
B	Concrete	Gray	3

Table 52 – Materials with No Asbestos Detected at Transformer Enclosure (Metal enclosure SW of Ammo Bunker 5026)

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
There were no suspect materials tested for asbestos content at this structure that did not contain detectable levels of asbestos			

Table 53 – Materials with No Asbestos Detected at Power and Lighting Poles

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Conduit Pipe	Black	12
B	Electrical Panel	Gray	3
C	Electrical Panel	Gray	3
D	Electrical Wire Sleeve	Black	3

Table 54 – Materials with No Asbestos Detected at Roads and Parking throughout Work Area

ID	MATERIAL	DESCRIPTION	NUMBER OF SAMPLES
A	Concrete	Gray	7
B	Asphalt	Black	7

Notes to Tables 28 through 54:

1. Where a Material ID appears to be missing, such as Table 45, Material ID "A," this indicates that the subject material was found to contain detectable levels of asbestos. These materials are further described in Tables 1 through 27 in the Executive Summary of this report, above.

Lead

The results for this survey indicate that there were building components or their respective surface coatings which had lead concentrations defining them as LBPs, in accordance with 17 CCR 35001 et. seq., and 8 CCR 1532.1. These materials are listed in Tables 1 through 27 in the Executive Summary, above.

The results for this survey indicate that the following building components and respective surface coatings had lead concentrations, in excess of the level for compliance with trigger activities, as defined in 8 CCR 1532.1:

- All Remaining Surfaces

Refer to Recommendations Section below for clarification regarding lead related construction.

Wipe and Metals Bulk Sampling

The results of the various wipe samples collected in Buildings 2, 3, 4 and 5 indicated that no PCBs were identified within any of the ten wipe samples collected for PCBs, and that at least some metals were identified in each of the six wipe samples collected for metals. Five of the six wipe samples collected for metals content within Buildings 2 and 5 indicated Lead concentrations in excess of 40 micrograms per square foot, presenting a lead hazard, as defined in 8 CCR 1532.1 and 22 CCR 35000-36100. These results are further described in Tables 2 through 5 in the Executive Summary, above.

The results of the bulk sampling of wooden components of the Cooling Tower located between Buildings 1 and 2 indicated that ten of the seventeen metals tested for were present, though the levels identified are relatively low. The results of this testing are further described in Table 23 in the Executive Summary, above.

Individual bulk sampling and analytical results, XRF readings, chain of custody forms and an ACM sampling location map can be found attached to this letter report.

Other Hazardous Materials

Potential treated wood wastes were identified throughout the project site, including the exterior support structures associated with two electrical substations (such as the one East of Building 2) as well as both lighting and power poles throughout the project site. Treated wood waste observations are further described in Table 26 in the Executive Summary, above.

Universal Waste Rule items were identified throughout the project site, including within or on buildings as well as atop both types of lighting poles. Universal Waste Rule item observations are further described, building-by-building, in Tables 1 through 27 in the Executive Summary, above.

CONCLUSIONS AND RECOMENDATIONS

Asbestos

The results of the survey indicate that asbestos-containing materials ***are present*** within several structures within the project site. These materials are further described in Tables 1 through 27. These materials will be impacted by the eventual demolition of the structures throughout the project area. It is recommended that all asbestos-related work be performed as follows:

1. Any task which will physically impact asbestos-containing materials or asbestos-containing construction materials, as defined by 8 CCR 1529 or SCAQMD Rule 1403, shall be considered asbestos-related work.

2. All asbestos-related work shall be performed by a CSLB-licensed contractor holding a Cal/DOSH registration to perform asbestos-related work. Vista also recommend that all asbestos-related work be performed under the auspices of a certified asbestos consultant.

3. Written notification shall be made to the South Coast Air Quality Management District (SCAQMD), in accordance with SCAQMD Rule 1403. Written notification shall also be made to Cal/OSHA in accordance with 8 CCR 1529.

4. Work performed during any activities (i.e. drilling, cutting, sanding, scraping) that disturb the asbestos-containing materials identified in this report, including demolition, must be performed in compliance with the most recent edition of all applicable federal, state, and local regulations, standards, and codes governing abatement, transport, and disposal of asbestos-containing materials.

5. There were three areas within the project area where damaged friable ACMs were identified (see Tables 4, 21 and 23 in the Executive Summary, above). In each of these three areas, asbestos removal must be performed under the auspices of an SCAQMD-approved Procedure 5 work plan, as required by SCAQMD Rule 1403.

In the event that materials are encountered within the project area, including potential subsurface utilities that may be made of asbestos-cement or coated with asbestos-containing insulations, and are not noted as having been sampled in this report, these new suspect materials must be properly sampled for asbestos content or else must be assumed to be asbestos-containing, prior to any disturbance.

Lead

The results of XRF testing performed on painted, coated or glazed finishes indicates that there are Lead-Based Paints which are certain to be impacted by proposed demolition to occur throughout the project work area. These materials are further described in Tables 1 through 27, above. It is recommended that all lead-related work be performed as follows:

1. Written notification to Cal/OSHA must be accomplished should LBP activities involve equal to or more than 100 square feet or 100 linear feet of removal in accordance with the requirements of 8 CCR 1532.1.

2. In addition, all activities involving identified lead-based paints (LBP) must be conducted in accordance with 17 CCR Sections 35001 through 36100, and 8 CCR 1532.1, both of which prescribe the use of CDPH-certified workers, work practices, and other requirements, including written notification of work.

3. All activities involving potential and identified lead-containing surfaces should be conducted in accordance with California Health & Safety Code sections 17920.10 and 10525, 10525.7, and 8 CCR 1532.1.

4. Any welding, cutting or heating of metal surfaces containing surface coatings should be conducted in accordance with 29 CFR 1926.354 and 8 CCR 1537. These regulations require surfaces covered with toxic preservatives, and in enclosed areas, must be stripped of all toxic coatings for a distance of at least 4 inches, in all directions, from the area of heat application prior to the initiation of such heat application.

5. Any employee that works around potential lead-based or lead-containing coatings must have HAZCOM training and personal exposure air monitoring is additionally required for employees that disturb such coatings. Significant additional certification, notification, and work practices are required for materials found to be lead-based.

6. Waste stream segregation and analysis (waste characterization) is required in accordance with 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes for all paint or coating debris regardless of if the paint or coating is intact. Waste characterization testing may also require additional analysis in accordance with 40 CFR 260-268, as determined by initial waste characterization testing results.

7. All wastes shall be transported and disposed of in accordance with the requirements determined by the results of the waste characterization testing.

As per Cal/OSHA, analytical data from analysis of bulk materials or surface content (XRF readings) of lead can be helpful in evaluation of lead-related environmental risks in general but cannot be used to calculate worker exposures and are not a substitute for employee exposure monitoring. Positive analytical results acquired by either method can be used to indicate that detectable lead is present, but negative results cannot be interpreted as conclusively demonstrating the absence of lead.

In addition, Fed/OSHA states that their rules apply to "any detectable concentration of lead" without a specified detection level. Due to the Consumer Product Safety Commission currently allowing paint to contain up to 90 parts per million (ppm) or 0.009 wt% of lead, the variation of lead content due to aging and weathering, and the variation of detection limits associated with analysis of bulk materials, such as paint chips and surface content analysis via XRF, it is recommended that all painted or coated surfaces be treated as potentially containing lead.

"OSHA does not consider any method that relies solely on the analysis of bulk materials or surface content of lead (or other toxic material) to be acceptable for safely predicting employee exposure to airborne contaminates. Without air monitoring results or without the benefit of historical or objective data (including air sampling which clearly demonstrates that the employee cannot be exposed above the action level during any process, operation, or activity) the analysis of bulk or surface samples cannot be used to determine employee exposure."- OSHA Standard Interpretation May 8, 2000.

This survey was not a surface by surface inspection as outlined in the U.S. Department of Housing and Urban Development (HUD) *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* pursuant to Title X of the Housing and Community Development Act of 1992. This analytical data can be helpful in evaluation of lead-related environmental risks in general, but cannot be used to calculate worker exposures and is not a substitute for employee exposure monitoring or waste stream sampling.

PCB and Metals Contamination

The results of the various wipe samples collected within Buildings 2, 3, 4 and 5 indicated that no detectable PCBs were identified within any of the ten wipe samples collected for PCBs. It appears that surficial PCB contamination inside of the various buildings is unlikely to be an issue.

Throughout the project area, there were a total of 42 pole-mounted transformers. Each of these appears to be, or have been, oil-filled. Due to the apparent age of these transformers, USEPA requires in 40 CFR 761 that the dielectric fluid within these transformers must be sampled to determine their PCB content or else they must be assumed to contain PCBs at concentrations greater than 50 mg/kg, making them regulated PCB articles.

There is also a black electrical wrap present on power feeds coming down off of pole-mounted transformers and high power lines, which may be wrapped with a PCB-containing product called Askerals.

Finally, there are a total 29 small capacitors on the ground inside and outside Building 5.

It is recommended that each of these potential PCB-containing items are sampled in accordance with 40 CFR 761 to determine if they are PCB-containing as defined therein. In the event that PCBs are identified in any of these locations, it is further recommended that an assessment of both soils and hardscapes in immediate proximity to the PCB-containing transformers or capacitors also be performed in accordance with the requirements set forth in 40 CFR 761.

The results of the various wipe samples collected within Buildings 2, 3, 4 and 5 indicated that metals were found in each of the eight wipe samples collected for metals. The results of the wipe samples collected for metals content identified metals in each of the samples collected in Buildings 2, 3 and 5. Five of the six wipe samples collected within Buildings 2 and 5 indicated Lead concentrations in excess of 40 micrograms per square foot, presenting a lead hazard, as defined in 8 CCR 1532.1 and 22 CCR 35000-36100. These results are further described in Tables 2 through 5 in the Executive Summary, above.

Based upon the wipe sampling results discussed, the following recommendations apply prior to and during site decontamination and demolition:

1. It is recommended that prior to structure demolition, Building 3 should be decontaminated for Chromium VI in accordance with the regulatory requirements set forth in 8 CCR 1532.2 and 29 CFR 1926.1126.

2. It is recommended that prior to structure demolition, Buildings 2 and 5 should have warning signage installed and should be be decontaminated for Cadmium, Chromium and Lead in accordance with the following regulatory requirements:

    a) Due to the presence of lead contamination, the interior to these two buildings should be labelled as being a Lead Hazard Area, as further described in 8 CCR 1532.1(m)(1)(A). Only Cal/DPH-certified Lead Supervisors, Lead Workers or Lead Consultants should be allowed inside until decontaminated, as per sub item d, below.
    b) Lead-related work shall comply the requirements set forth in 8 CCR 1532.1, 22 CCR 35000-36100, 29 CFR 1926.62 and 40 CFR 765, as well as the requirements set forth in the Lead recommendations set forth on Pages 34 and 35, above.

c) Cadmium-related work shall comply with the requirements set forth in 8 CCR 1532 and 29 CFR 1926.1127.
d) Chromium-related work shall comply with the requirements set forth in 8 CCR 1532.2 and 29 CFR 1926.1126.

The results of the bulk sampling of wooden components of the Cooling Tower located between Buildings 1 and 2 indicated that ten of the seventeen metals tested for were present, though the levels identified are relatively low. The results of this testing are further described in Table 23 in the Executive Summary, above. It is recommended that demolition of the Cooling Tower structure should be performed in accordance with the following regulatory requirements:

1. Cadmium-related work shall comply with the requirements set forth in 8 CCR 1532 and 29 CFR 1926.1127.

2. Chromium-related work shall comply with the requirements set forth in 8 CCR 1532.2 and 29 CFR 1926.1126.

3. Lead-related work shall comply the requirements set forth in 8 CCR 1532.1, 22 CCR 35000-36100, 29 CFR 1926.62 and 40 CFR 765.

4. Mercury-related work shall comply with the requirements set forth in 8 CCR 5155 and 29 CFR 1926.55, Appendix A.

Other Hazardous Materials

Potential treated wood wastes and Universal Waste Rule items were identified throughout the project site, including Universal Waste Rule items identified within buildings and atop both lighting and power poles, and treated wood wastes including treated wood power poles, treated wood lighting poles and treated wood utilized for the exterior support structure for two electrical substations.

It is recommended that the major types of potential treated wood waste be properly assessed for typical wood treatments to determine worker protection and waste disposal regulatory requirements. Vista would categorize five separate groups of wood requiring testing, including:

1. Wood Power Poles
2. Wood Perimeter fence Lighting Poles
3. Wood Security Lighting (and camera) Poles
4. Large Wood Communication Poles
5. Treated Wood Utilized at Power Substations

It is recommended that three bulk samples be collected for each of the first three categories, one bulk sample be collected of category four and two samples be collected of wood associated with category five, for a total of twelve treated wood waste bulk samples. Each sample collected for treated wood should be tested utilizing USEPA Method 8270 (for Creosote components and Pentachlorophenol) and USEPA Method 6010B for Copper, Chromium and Arsenic.

In the event that any of these potential contaminants (other than Copper) are identified, additional testing may be required to satisfy both the requirements set forth by the State of California in 22 CCR Division 4.5 (STLC testing) and the requirements set forth by the USEPA in 40 CFR 261-268 (TCLP testing for RCRA waste determination).

Universal Waste Rule item observations are further described, building-by-building, in Tables 1 through 27 in the Executive Summary, above. Universal Waste Rule items should be managed in accordance with 22 CCR, Division 4.5, Chapter 23 and 40 CFR 273.

The various wastes identified at the site may be characterized as hazardous wastes under California and federal RCRA standards, and therefore require proper waste characterization, handling, packaging, labeling, and transportation under a proper manifest to a permitted hazardous waste storage, treatment and disposal facility, where wastes are deemed hazardous.

LIMITATIONS AND EXCLUSIONS

The survey performed was limited to accessible, hazardous materials and the testing of representative areas as designated by Leighton Consulting, Inc. Subsurface investigations and investigations outside of the project scope areas were not included as part of this investigation.

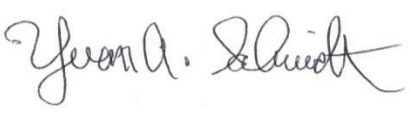
All material quantities reported herein are rough order of magnitude estimates and should not be used for bidding purposes. All contractors are responsible for accurately determining quantities and locations of materials identified in this report.

Findings, conclusions, recommendations and analytical data offered in this report have been derived from reviewing existing information provided by the client, visual survey of the accessible building materials and systems, and the outcome of sampling and analysis of suspected hazardous materials.

If materials having characteristics in common with those identified in this report or if other forms of suspect hazardous materials are discovered during work activities, maintenance personnel and/or contractors should be instructed to immediately cease work activities which may initiate an exposure episode, and notify the appropriate management personnel.

If you have any questions concerning the information contained in this report, please contact me on my cell at 714.746.7644.

Respectfully Submitted,
Vista Environmental Consulting



Yvan A. Schmidt
Senior Project Manager
Cal/OSHA Certified Asbestos Consultant No. 05-3791
Cal/DPH Lead Certification Nos. 00813, 00814 & 00815

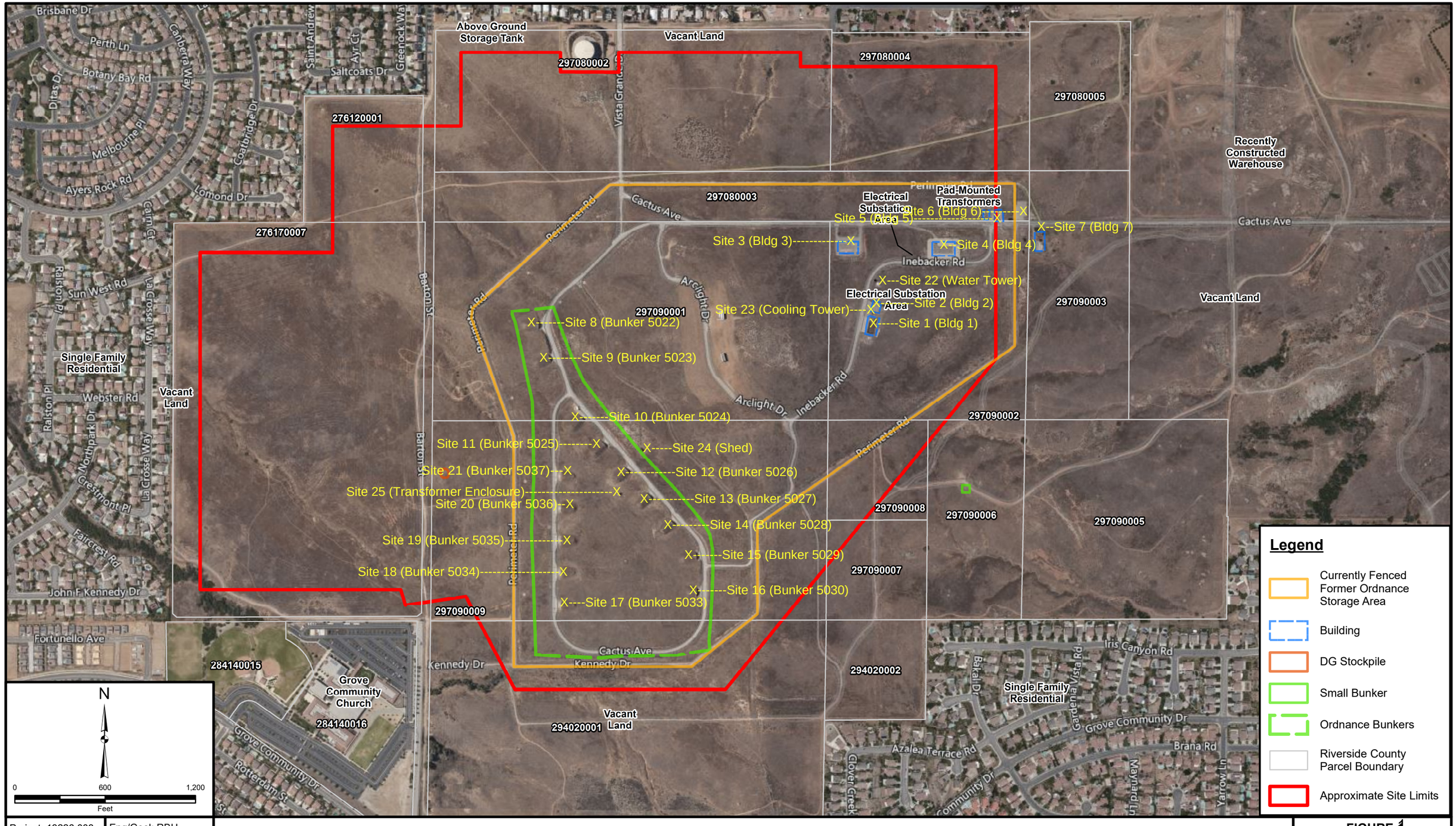
Attachments:

Figure 1 – Aerial View of Site with Structure Designations

Appendix A - ACM Sampling Location Plans (with positive XRF shot locations)
Appendix B - Asbestos Lab Reports
Appendix C - Metals Wipe Sample Lab Reports
Appendix D - PCB Wipe Samples Lab Reports
Appendix E - Cooling Tower Metals Bulk Sample Lab Report
Appendix F - Lead Testing Results (XRF Data)
Appendix G - Consultant and Laboratory Certifications

FIGURE 1 –

SITE LOCATION FIELD PLAN



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Scale:1 " = 600 '	Date: January 2022
Base Map: ESRI ArcGIS Online 2022	

Template provided by Leighton; Information on Site Locations added by Vista

SITE LOCATION PLAN (SITES 1-25)

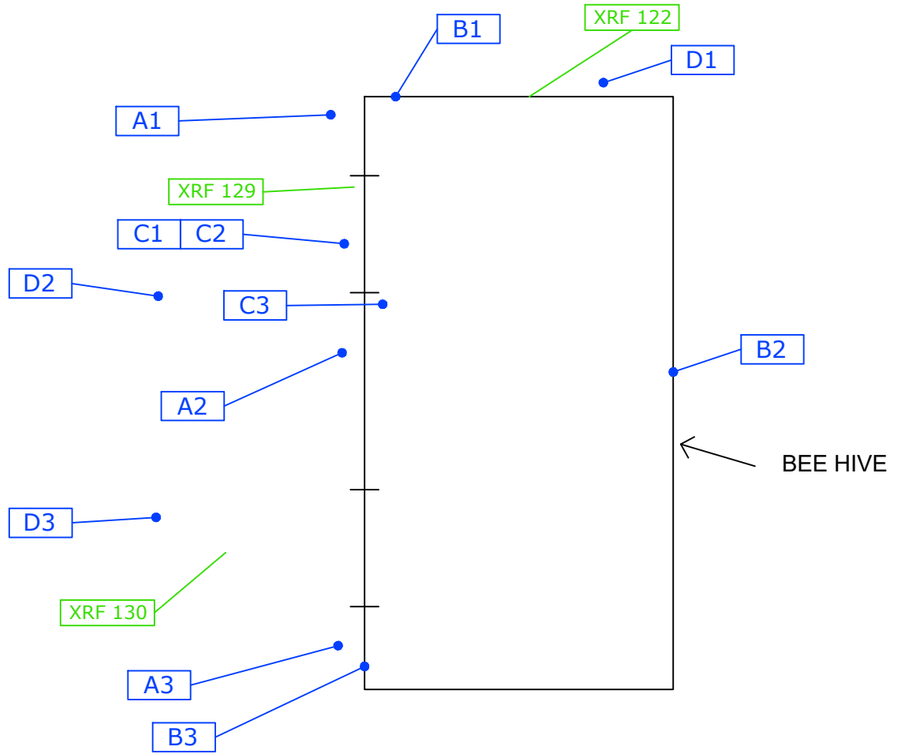
Proposed Meridian Upper Plateau
Vista Grande Drive, Riverside, California

FIGURE 1

Leighton

Map Saved as V:\Drafting\13226\003\Maps\13226.003_F02_Contractor_2021-12-17.mxd on 1/11/2022 9:40:34 AM Author: (kmanchikanti)

ATTACHMENT A –
SAMPLING LOCATION FIELD PLANS



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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PROJECT TITLE

MARCH AIR RESERVE BASE
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RIVERSIDE, CALIFORNIA

SHEET TITLE

SITE 1
BUILDING 1 (FORMER SHOP BUILDING THAT HAS EXTENSIVE FIRE DAMAGE)
ACM AND LCP SAMPLING LOCATIONS

SCALE:
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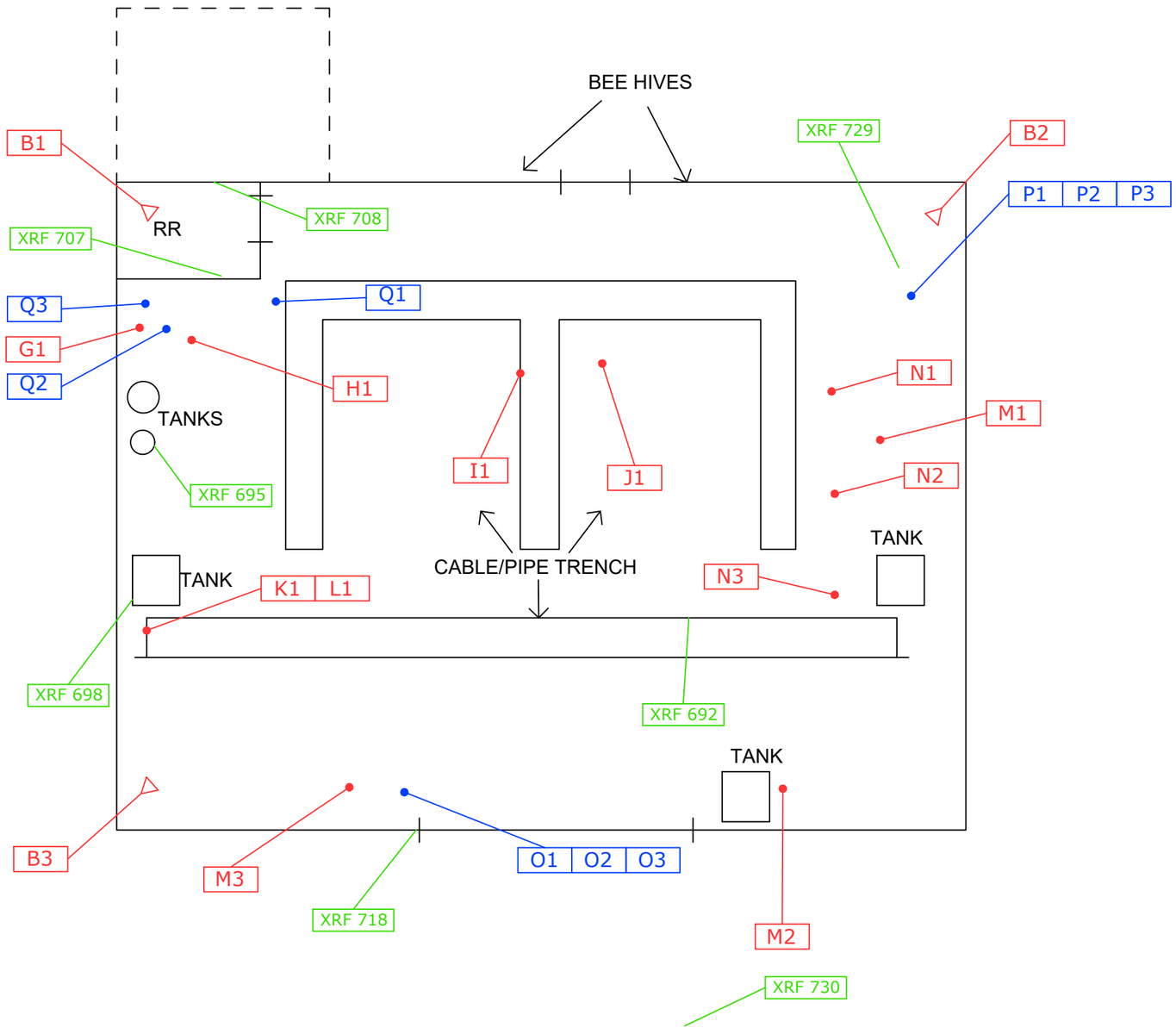
DRAWING No.

FIGURE
1



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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PROJECT TITLE

MARCH AIR RESERVE BASE
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RIVERSIDE, CALIFORNIA

SHEET TITLE

SITE 2
BUILDING 2 (FORMER SHOP BUILDING
NORTH OF BUILDING 1)
ACM AND LCP SAMPLING LOCATIONS

SCALE:
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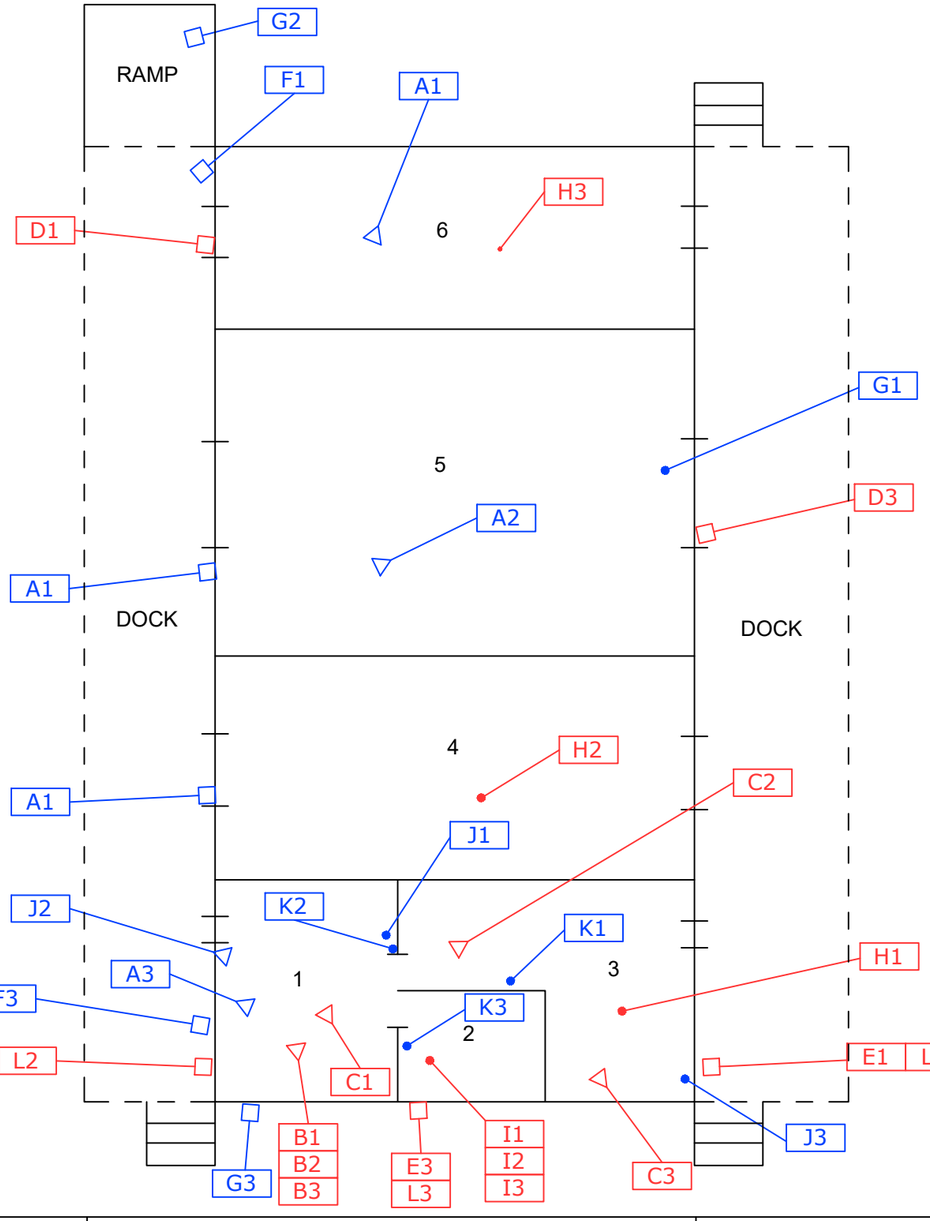
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

2



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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PROJECT TITLE

MARCH AIR RESERVE BASE
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RIVERSIDE, CALIFORNIA

SHEET TITLE

SITE 3
BUILDING 3 (CURRENTLY PARTLY OCCUPIED BY A PYROTECHNICS COMPANY)
ACM SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
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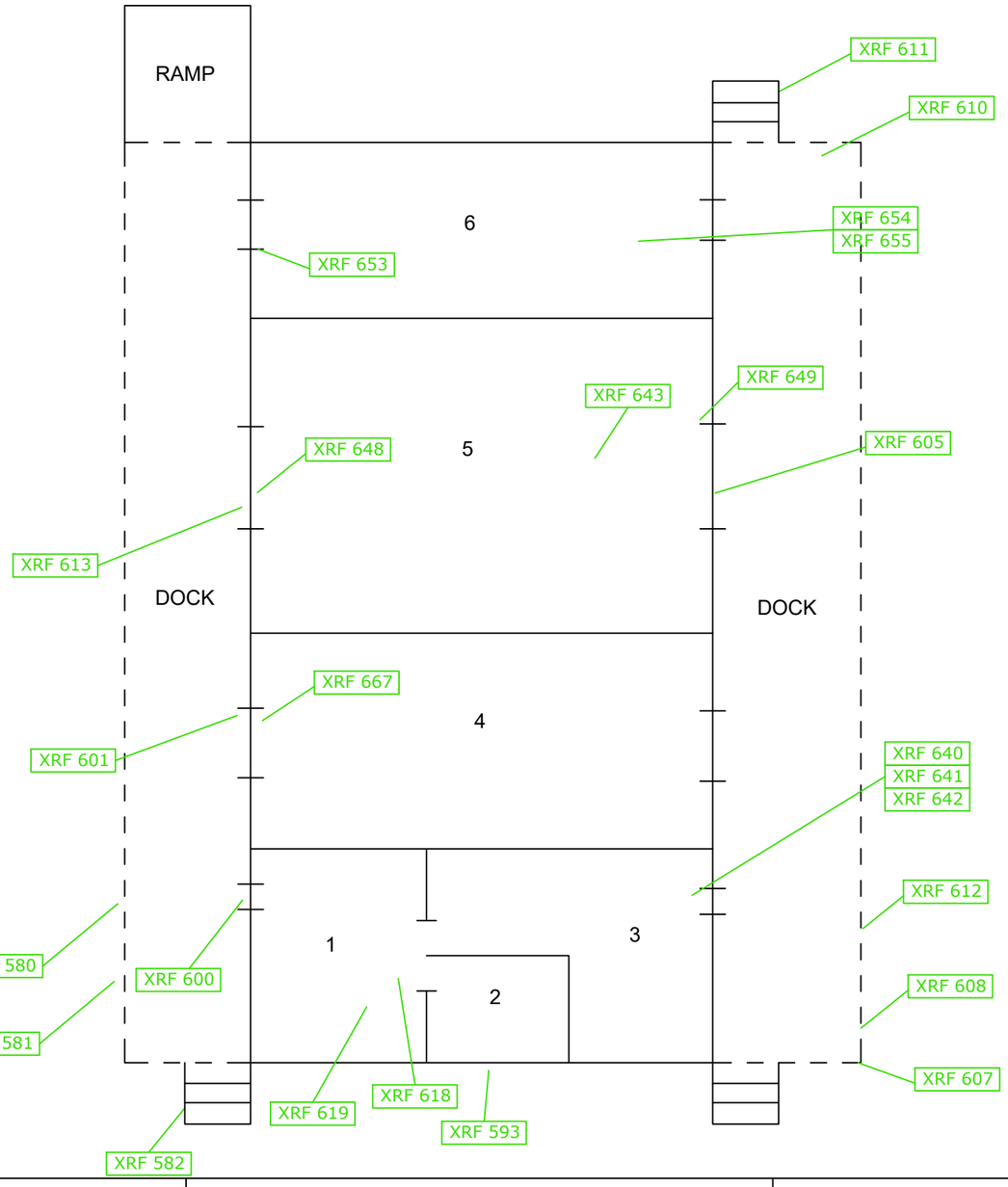
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

3A



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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SHEET TITLE

SITE 3
BUILDING 3 (CURRENTLY PARTLY OCCUPIED BY A PYROTECHNICS COMPANY)
LBP SAMPLING LOCATIONS

SCALE:
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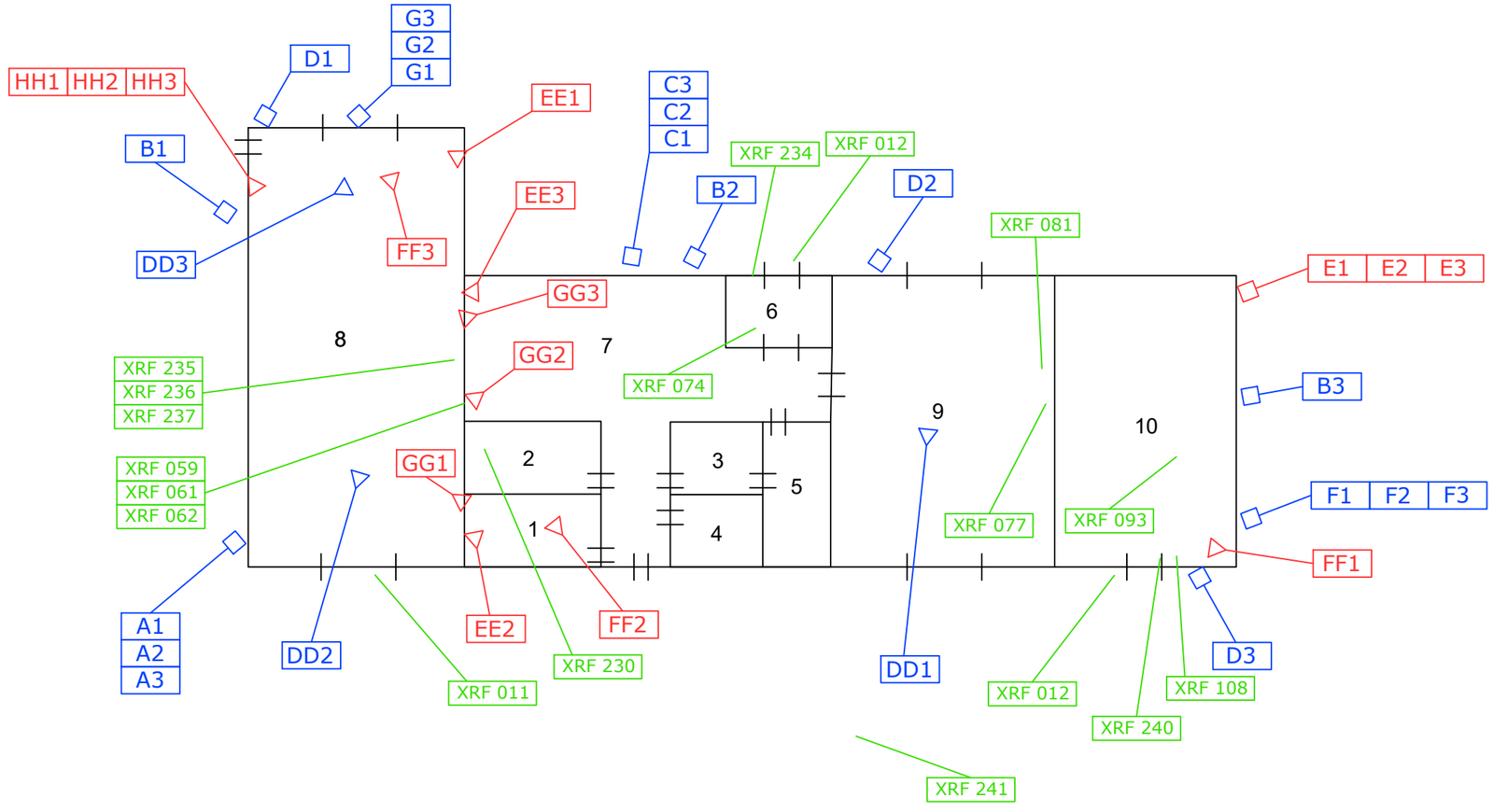
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

3B



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

SHEET TITLE

SITE 4
BUILDING 4 (FORMER MECHANICAL AND WAREHOUSE SPACE ALONG LINEBACKER ROAD)
ACM AND LCP SAMPLING LOCATIONS

SCALE:
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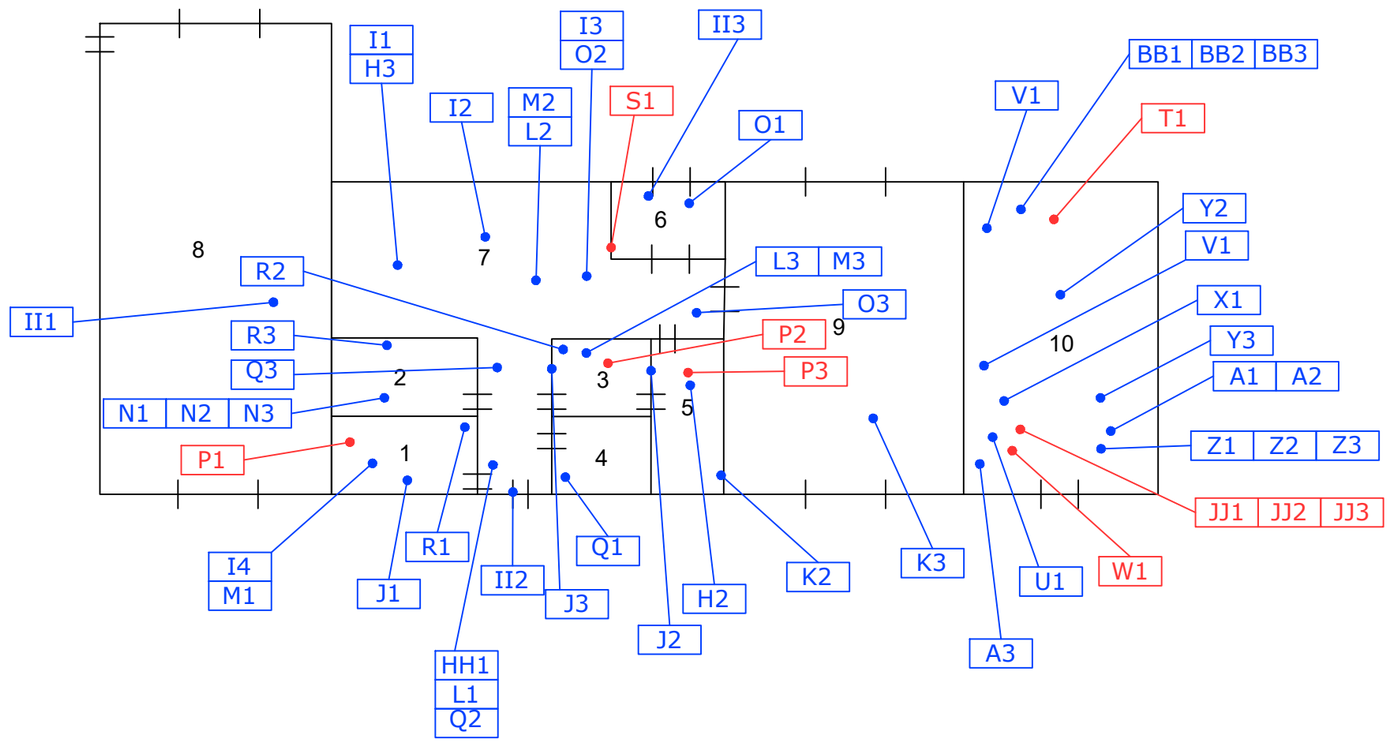
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

4A



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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SHEET TITLE

SITE 4
BUILDING 4 (FORMER MECHANICAL AND WAREHOUSE SPACE ALONG LINEBACKER ROAD)
ACM AND LCP SAMPLING LOCATIONS

SCALE:
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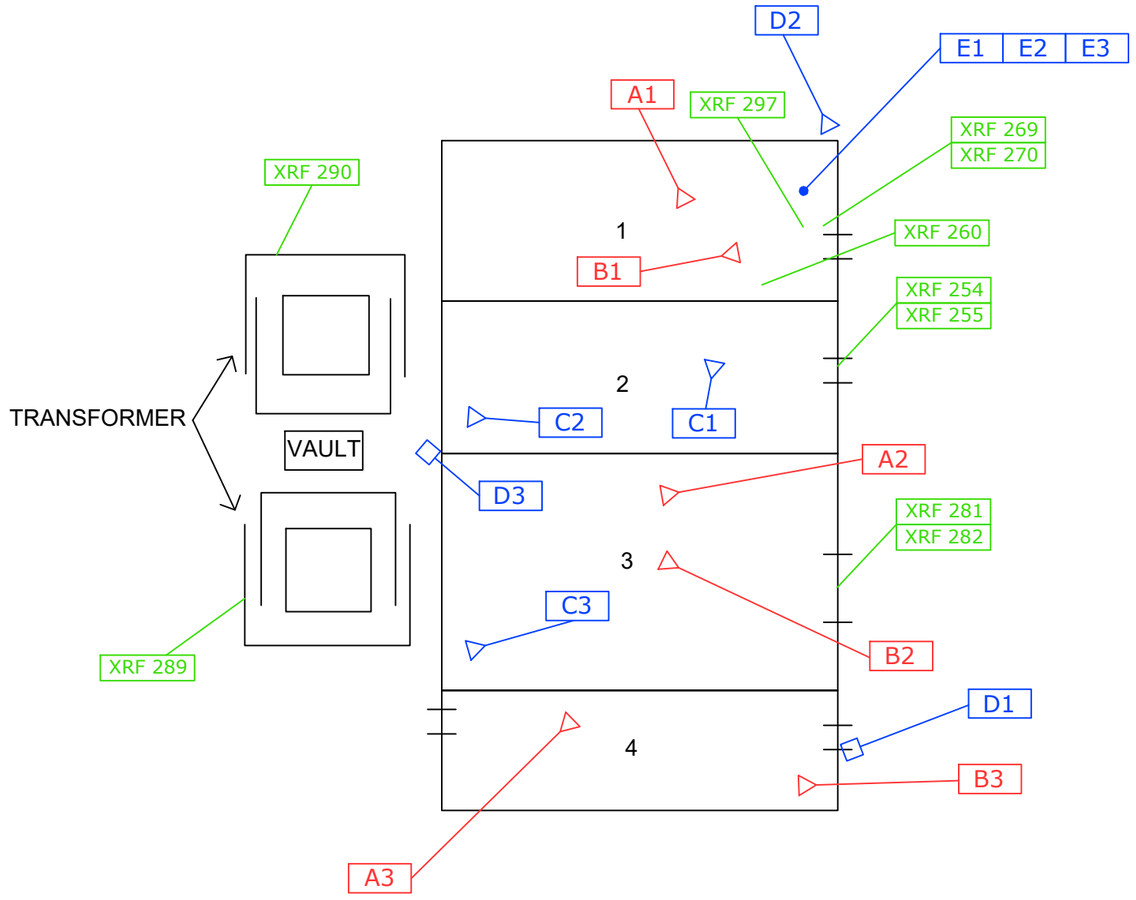
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

4B



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PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

SHEET TITLE

SITE 5
BUILDING 5 (FORMER ELECTRICAL SUBSTATION NEXT TO NE SALLY PORT)
ACM AND LCP SAMPLING LOCATIONS

SCALE:
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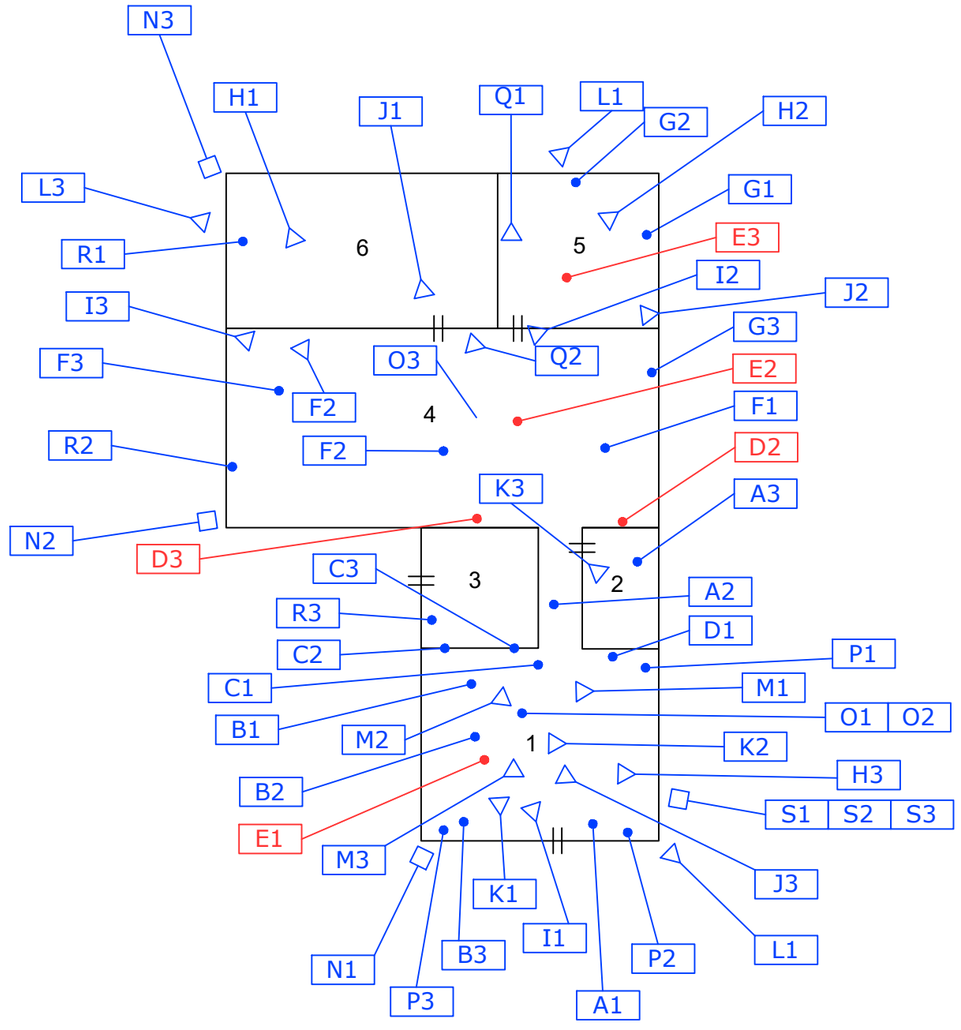
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

5



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

N

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PROJECT TITLE

MARCH AIR RESERVE BASE
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RIVERSIDE, CALIFORNIA

SHEET TITLE

SITE 6
BUILDING 6 (FORMER SECURITY BUILDING
AT NE SALLY PORT)
ACM SAMPLING LOCATIONS

SCALE:
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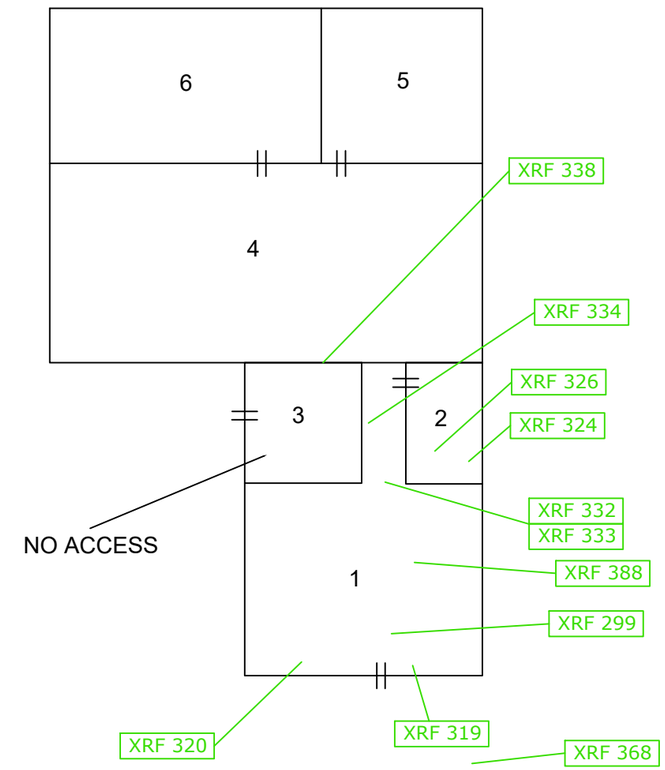
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

6A



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

N

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UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

SHEET TITLE

SITE 6
BUILDING 6 (FORMER SECURITY BUILDING
AT NE SALLY PORT)
LBP SAMPLING LOCATIONS

SCALE:
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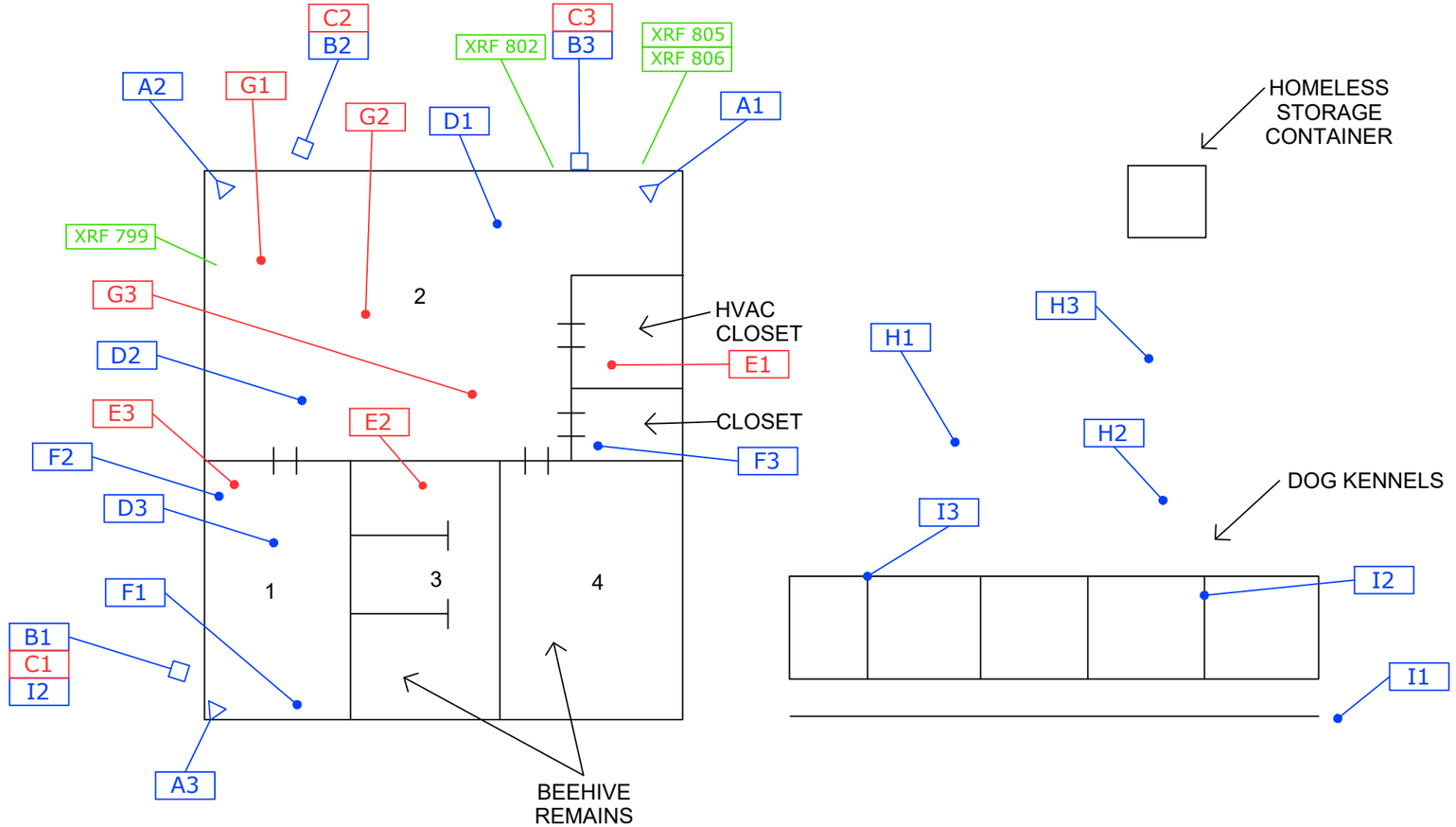
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

6B



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PROJECT TITLE

MARCH AIR RESERVE BASE
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RIVERSIDE, CALIFORNIA

SHEET TITLE

SITE 7
BUILDING 7 (FORMER OFFICE/BARRACKS FOR K9 UNIT, OUTSIDE AND EAST OF NE SALLY PORT)
ACM AND LCP SAMPLING LOCATIONS

SCALE:
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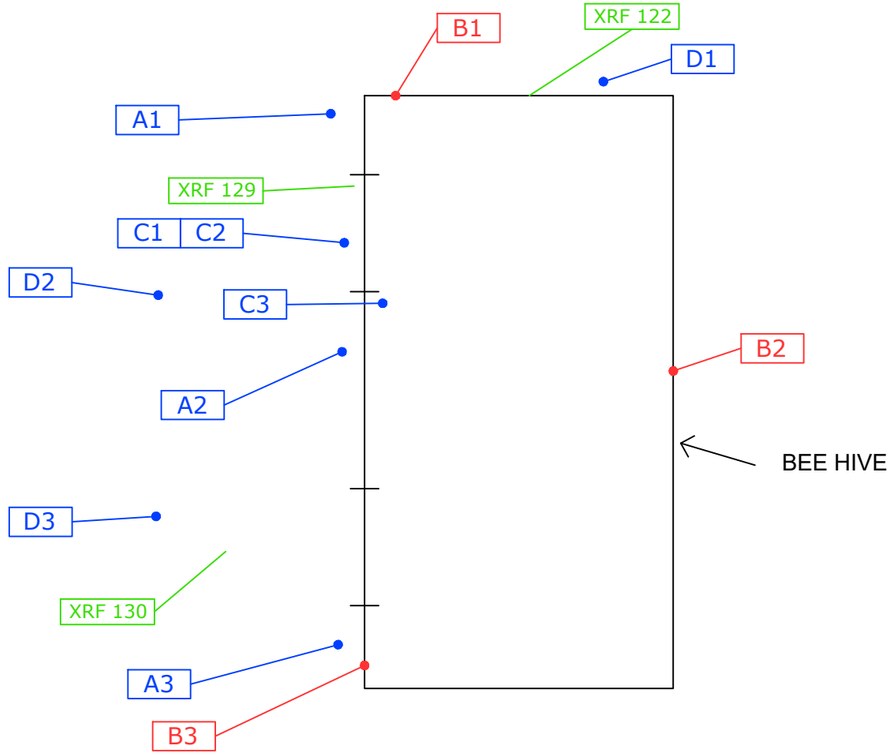
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

7



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

SHEET TITLE

SITE 8
AMMUNITION BUNKER 5022
ACM AND LCP SAMPLING LOCATIONS

SCALE:
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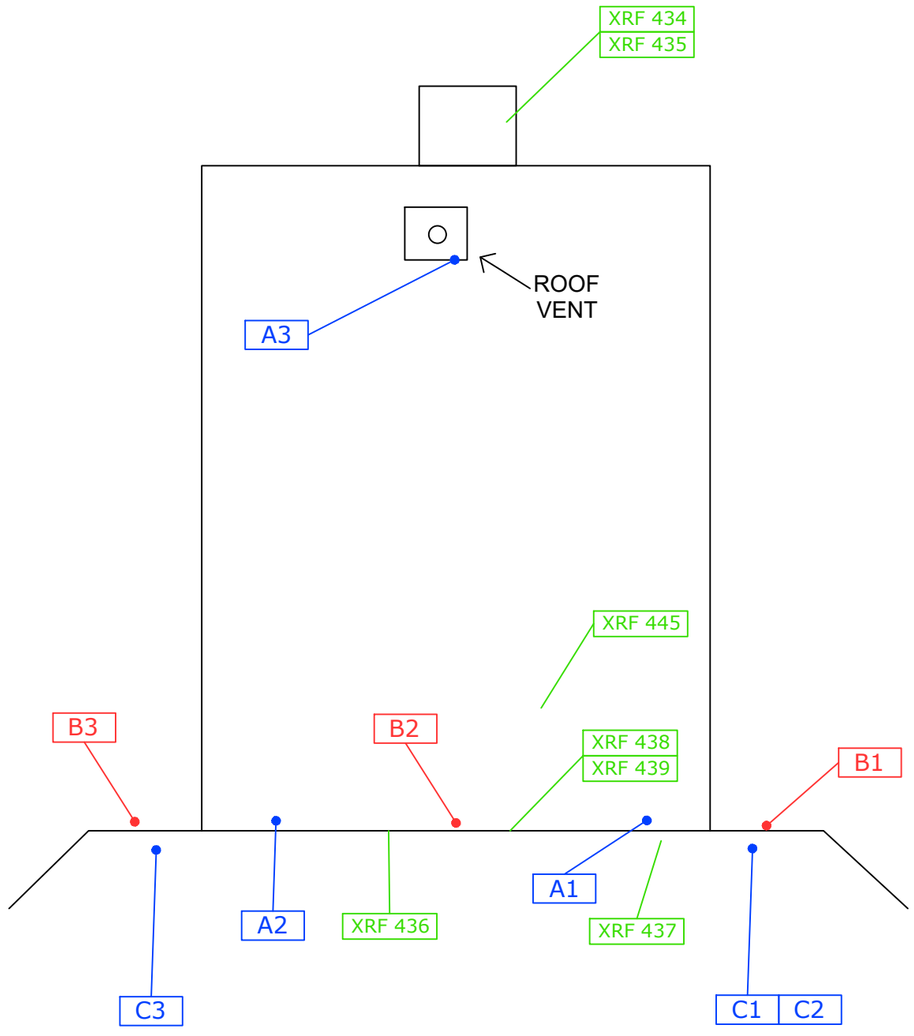
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

8



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

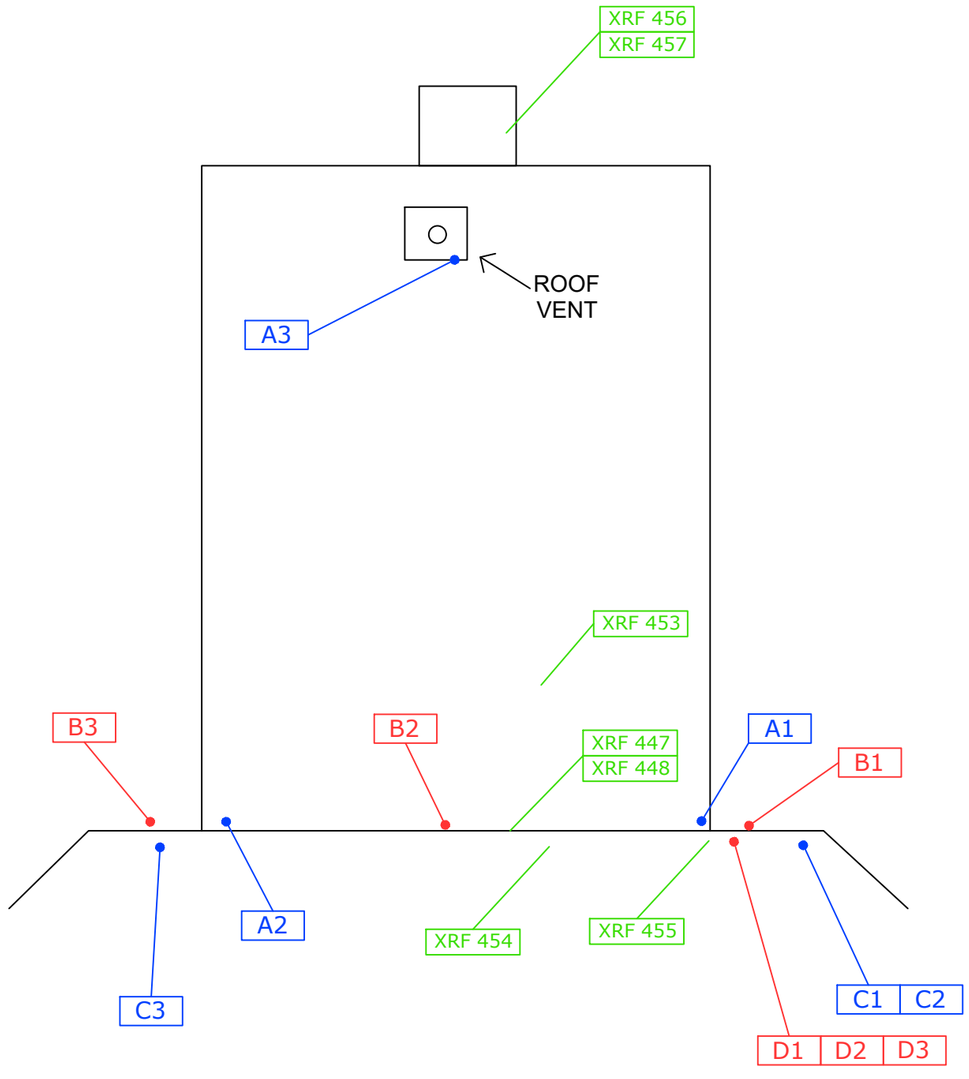
SHEET TITLE

SITE 9
AMMUNITION BUNKER 5023
ACM AND LCP SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

9



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

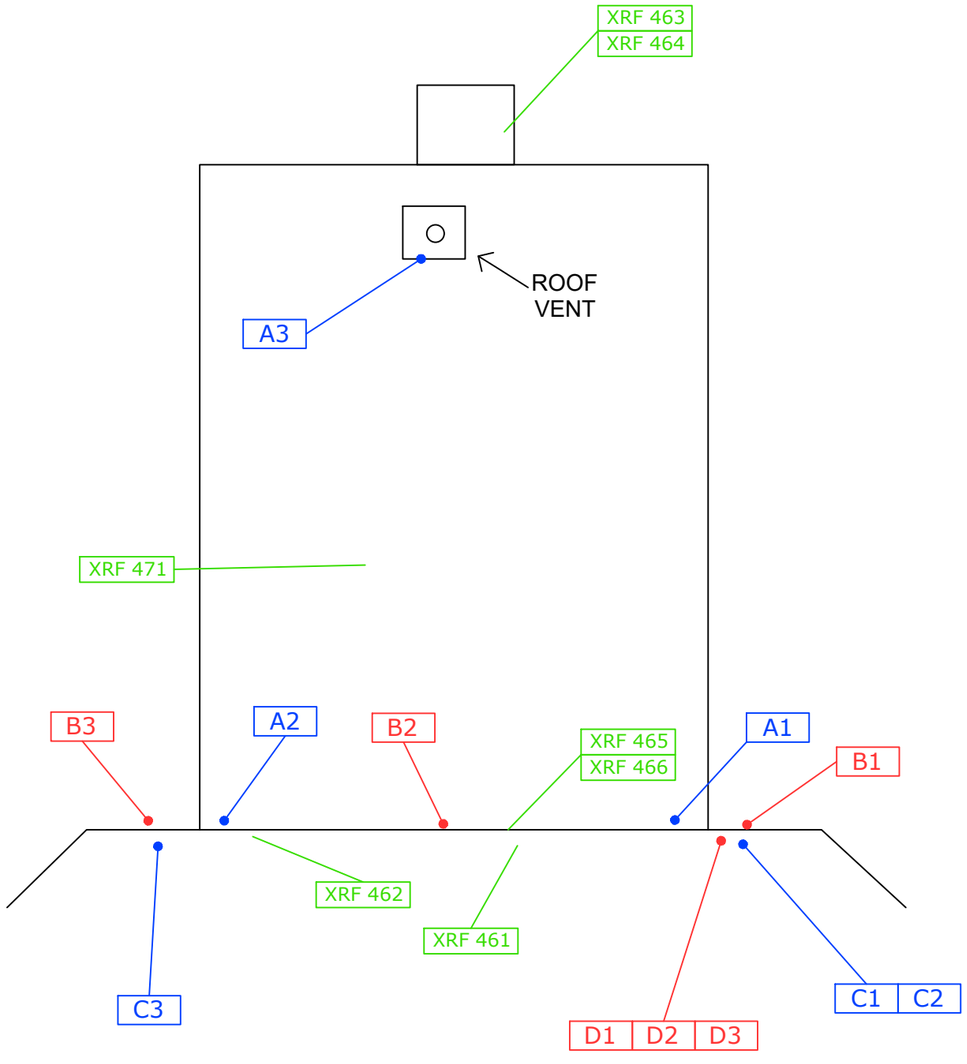
SHEET TITLE

SITE 10
AMMUNITION BUNKER 5024
ACM AND LCP SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

10



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

SHEET TITLE

SITE 11
AMMUNITION BUNKER 5025
ACM AND LCP SAMPLING LOCATIONS

SCALE:
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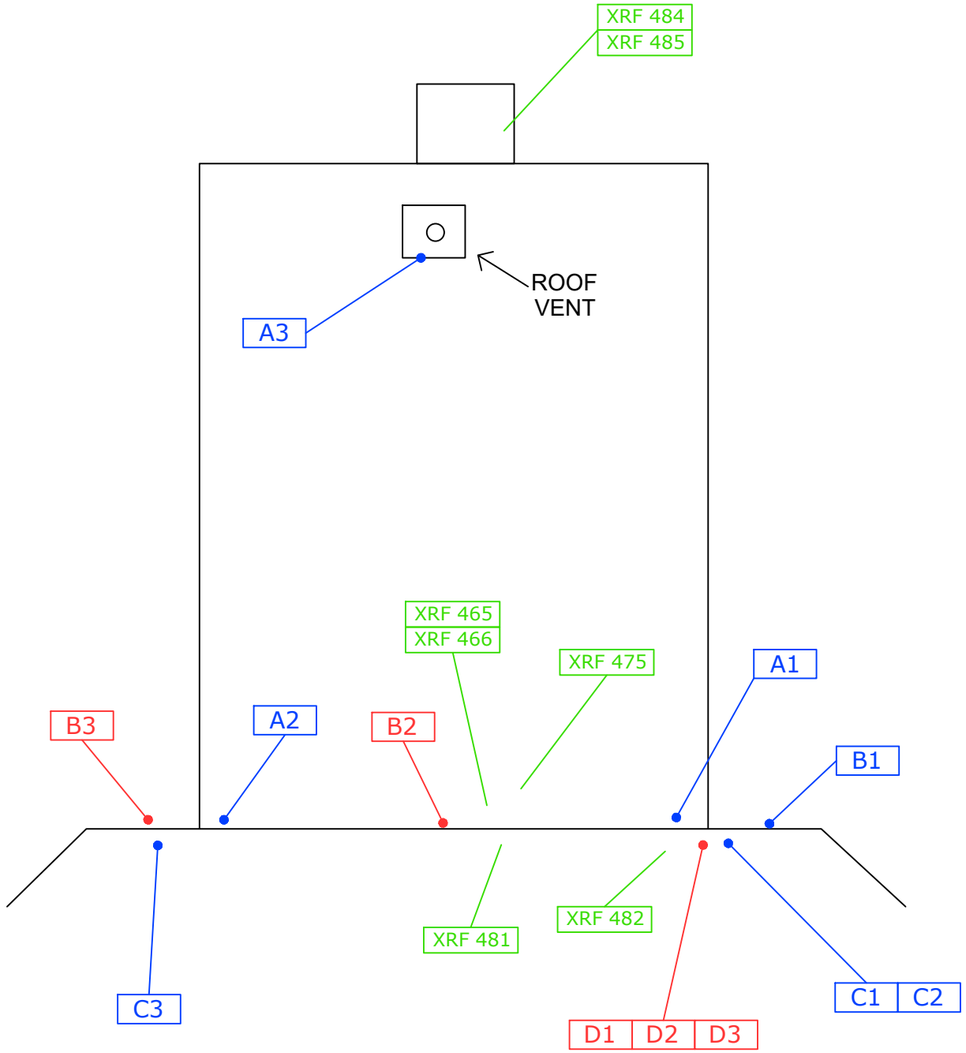
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

11



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

SHEET TITLE

SITE 12
AMMUNITION BUNKER 5026
ACM AND LCP SAMPLING LOCATIONS

SCALE:
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PROJECT No.
DATE: 01/10/2022
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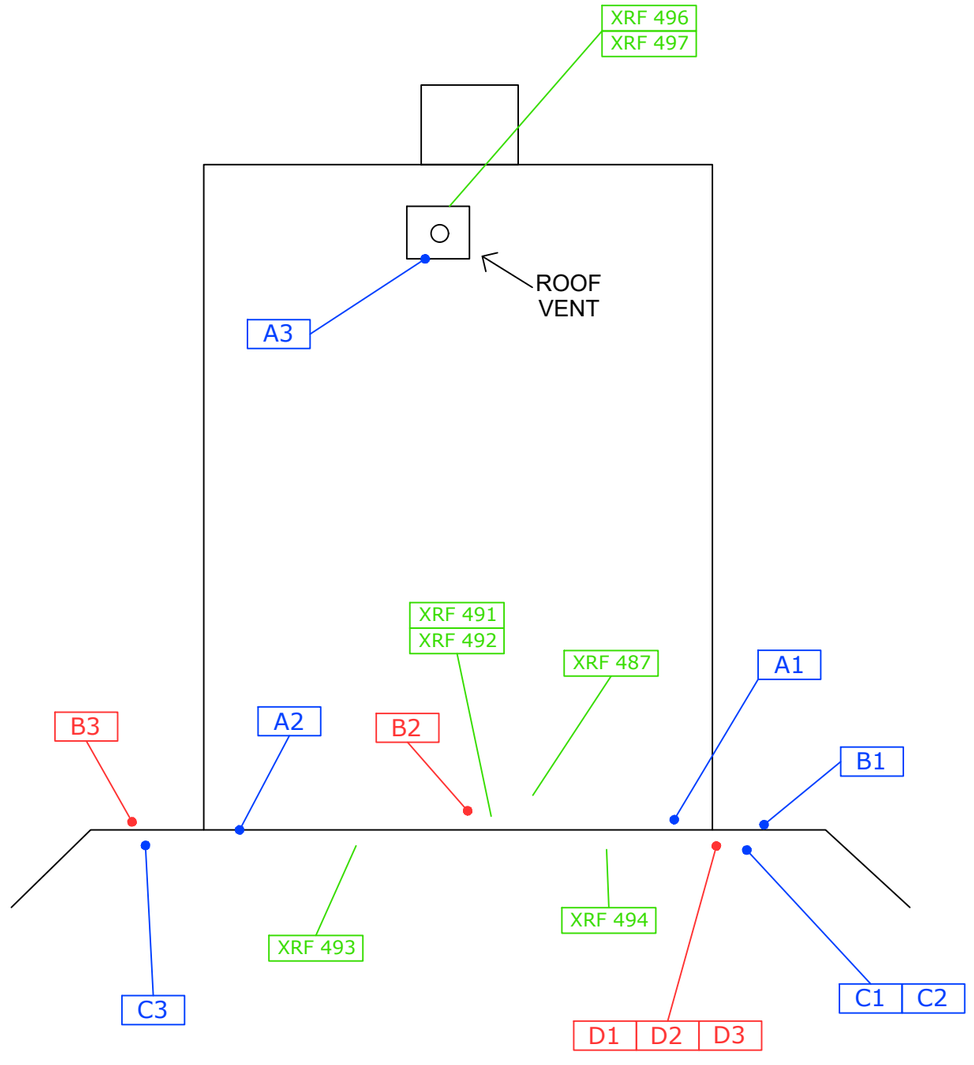
FIGURE

12



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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714-289-2600 ANAHEIM, CA 92807

PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

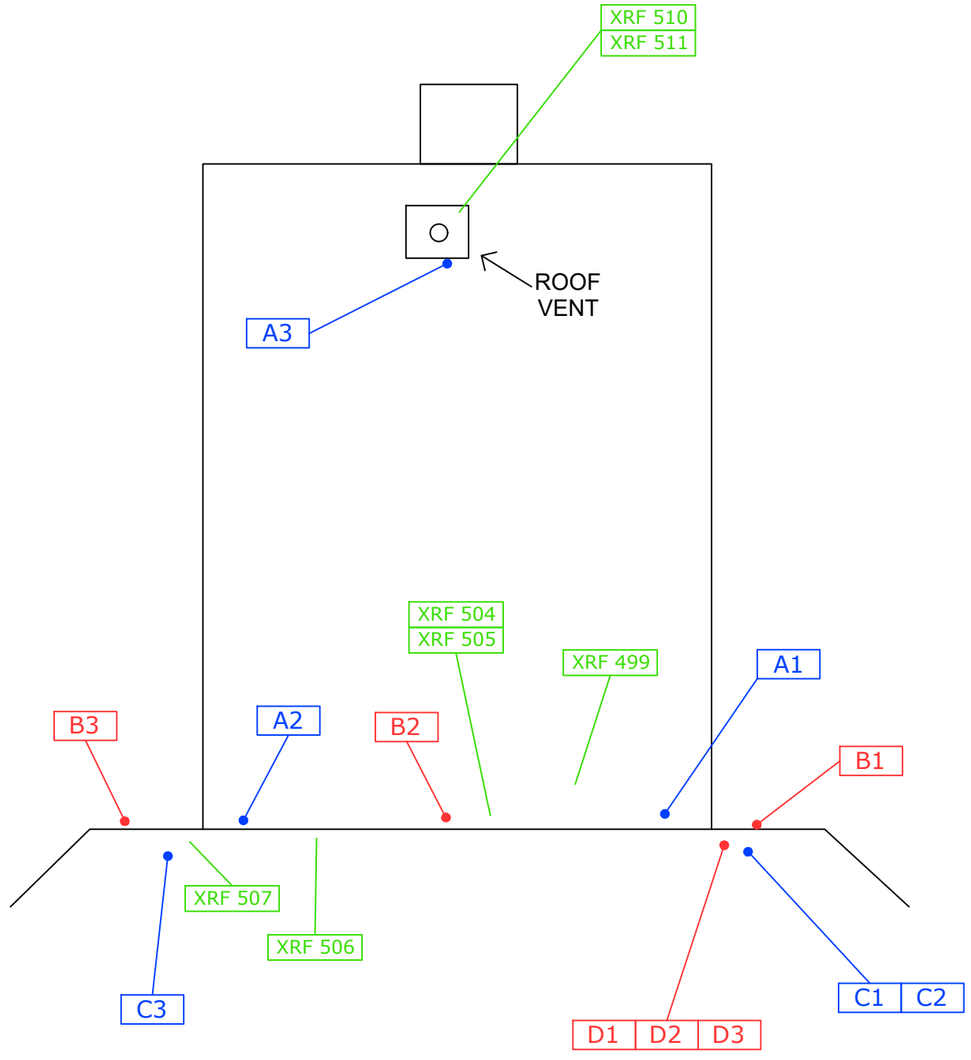
SHEET TITLE

SITE 13
AMMUNITION BUNKER 5027
ACM AND LCP SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

13



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

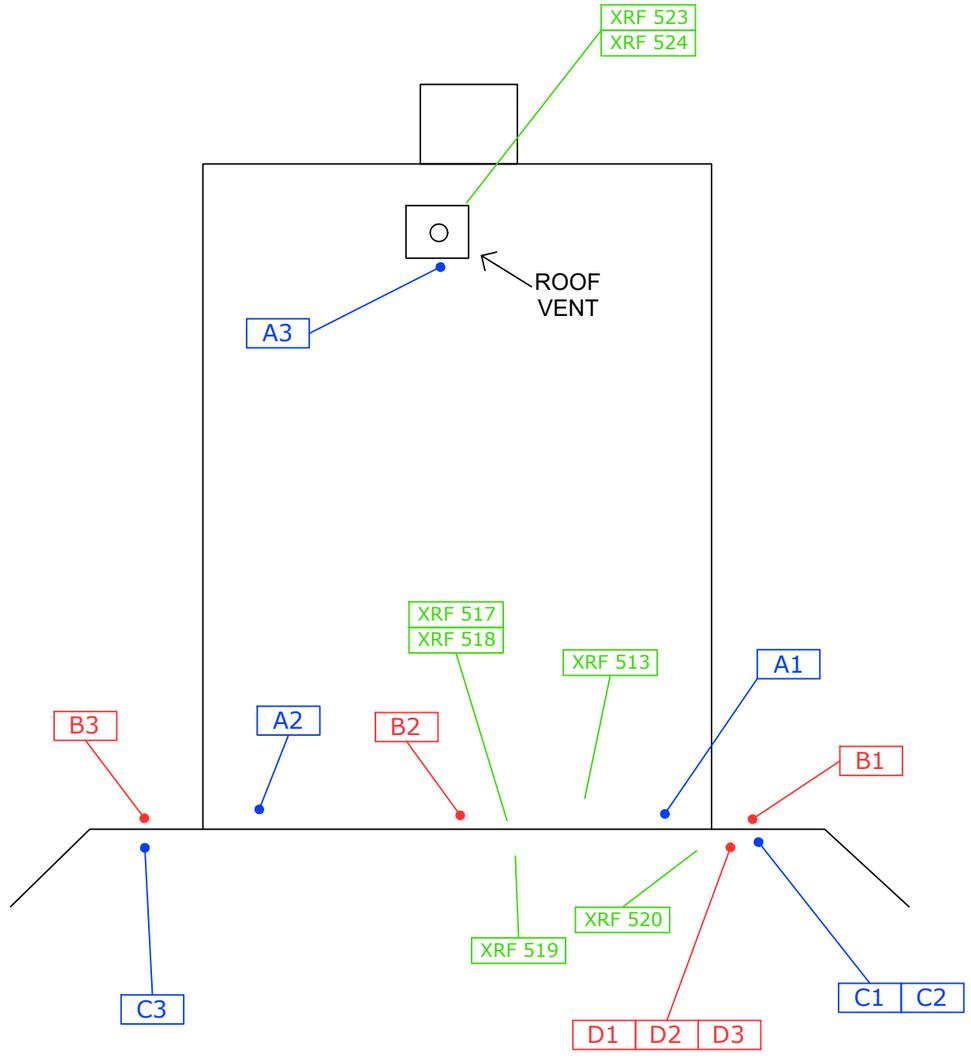
SHEET TITLE

SITE 14
AMMUNITION BUNKER 5028
ACM AND LCP SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

14



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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714-289-2600 ANAHEIM, CA 92807

PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

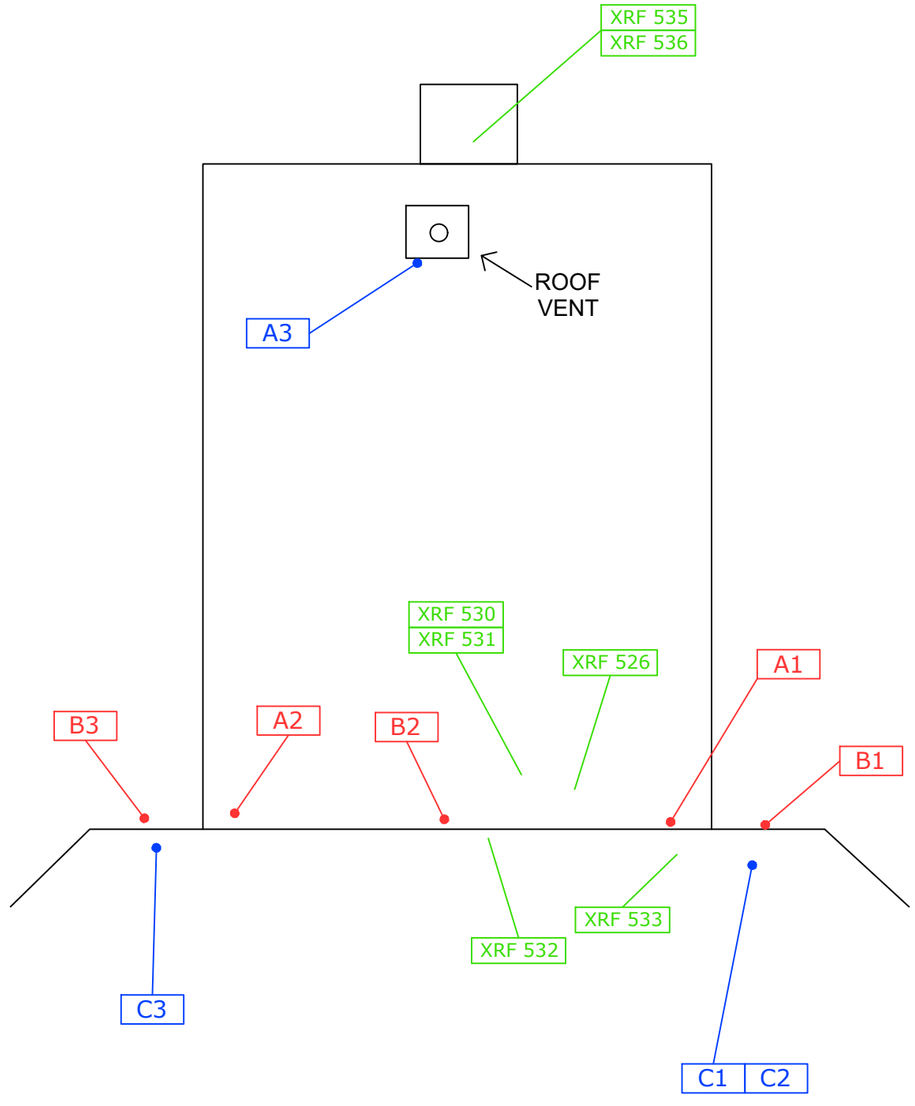
SHEET TITLE

SITE 15
AMMUNITION BUNKER 5029
ACM AND LCP SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

15



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

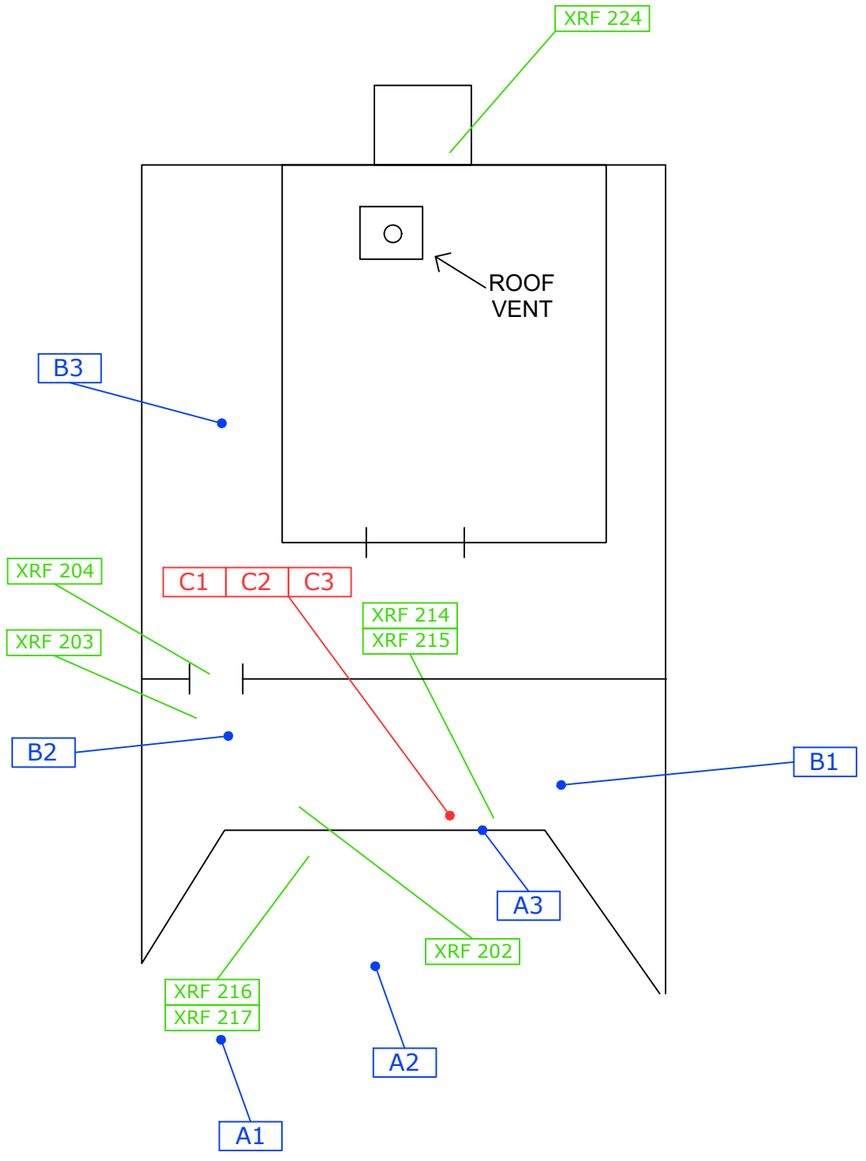
SHEET TITLE

SITE 16
AMMUNITION BUNKER 5030
ACM AND LCP SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

16



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

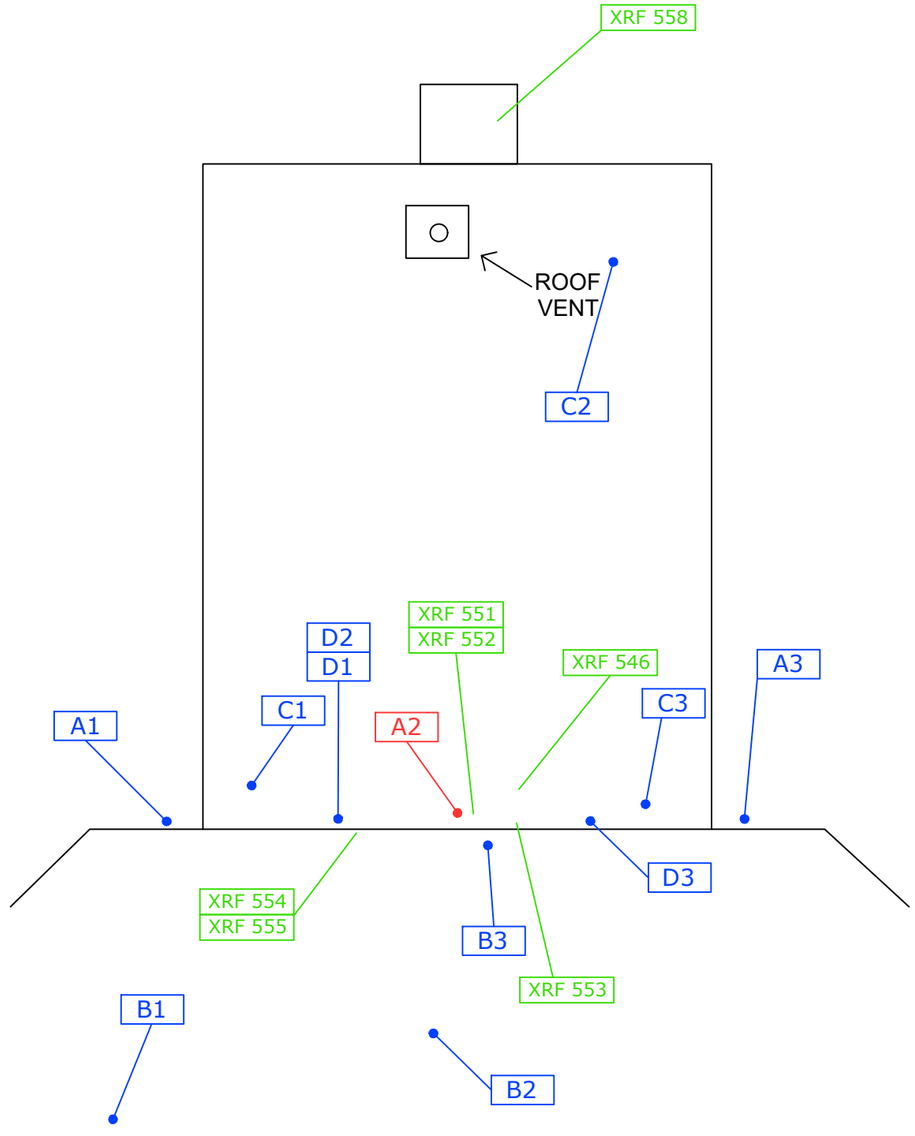
SHEET TITLE

SITE 17
AMMUNITION BUNKER 5033
ACM AND LCP SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

17



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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714-289-2600 ANAHEIM, CA 92807

PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

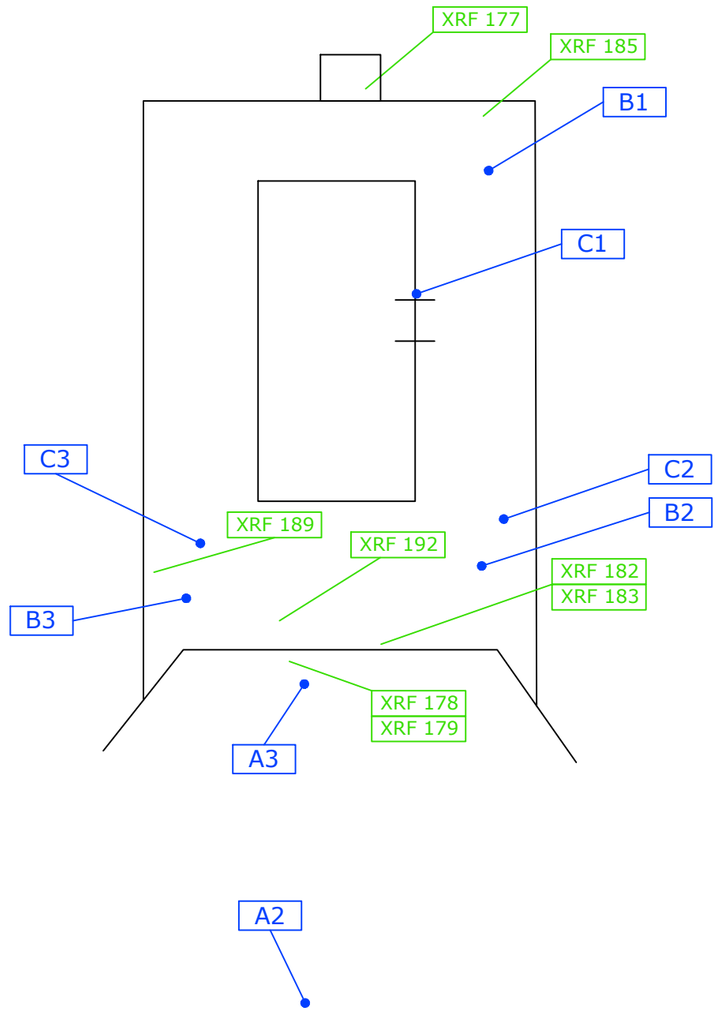
SHEET TITLE

SITE 18
AMMUNITION BUNKER 5034
ACM AND LCP SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

18



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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ANAHEIM, CA 92807

PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

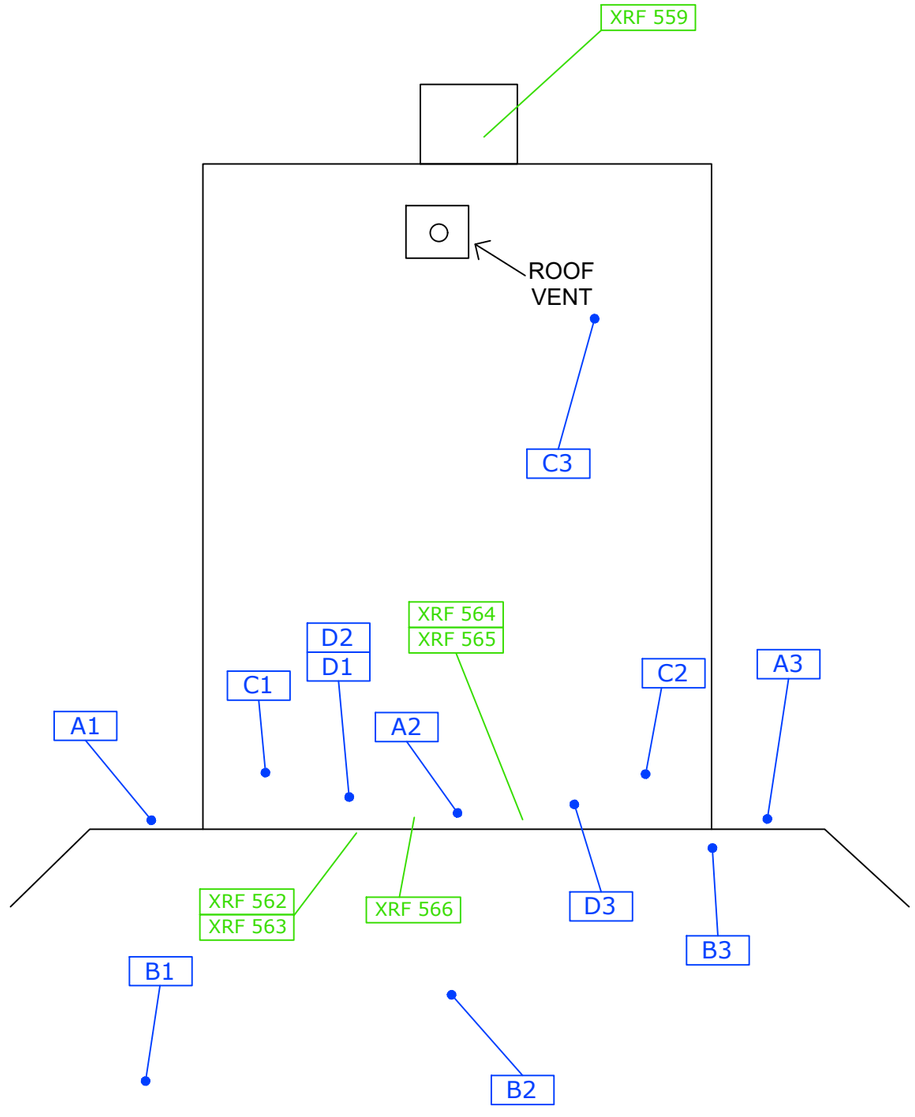
SHEET TITLE

SITE 19
AMMUNITION BUNKER 5035
ACM AND LCP SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

19



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

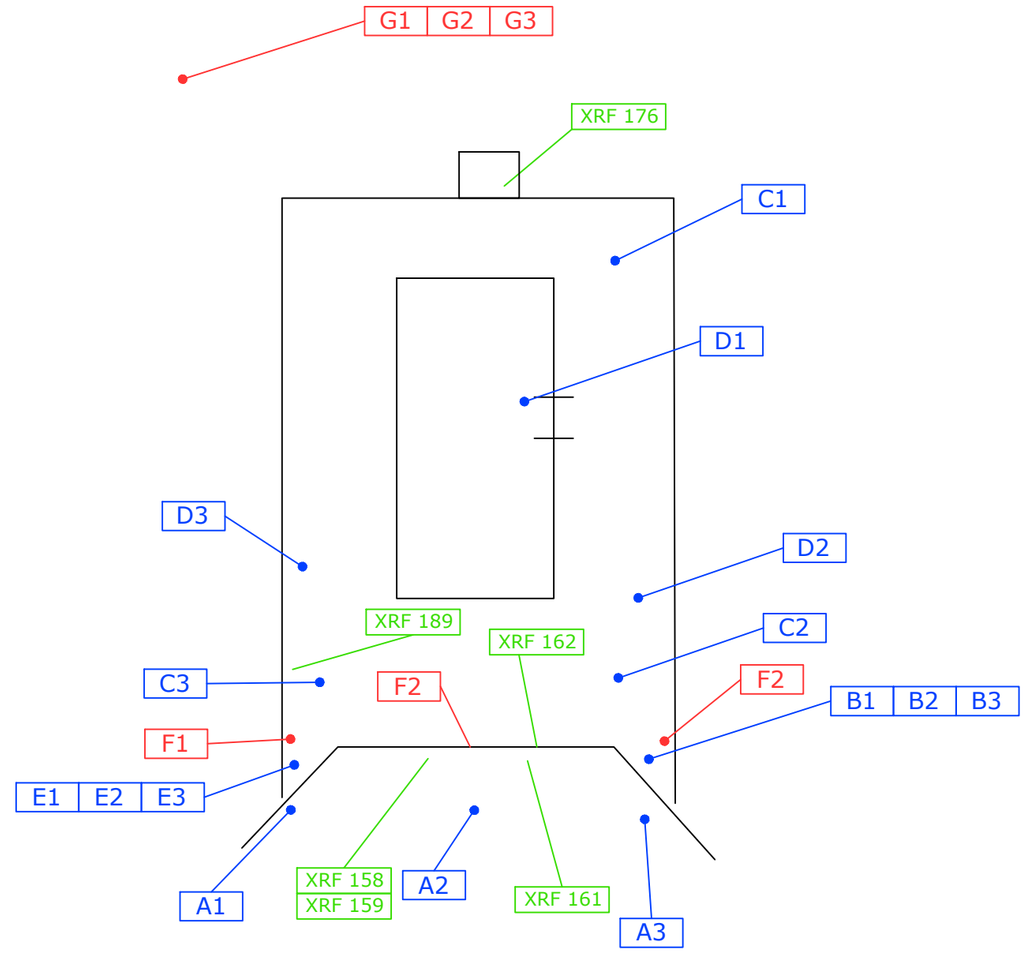
SHEET TITLE

SITE 20
AMMUNITION BUNKER 5036
ACM AND LCP SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

20



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

SHEET TITLE

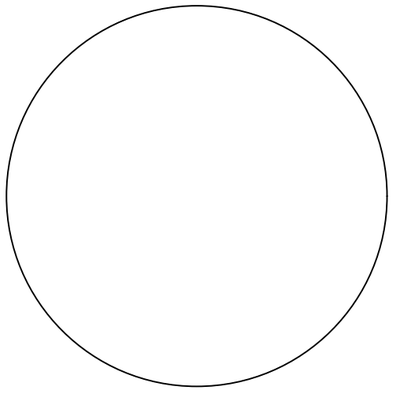
SITE 21
AMMUNITION BUNKER 5037
ACM AND LCP SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

21

LEGEND
-ASBESTOS SAMPLE
-NON-ASBESTOS SAMPLE
-LEAD (XRF) SAMPLE
-INTERIOR SAMPLE LOCATION
-EXTERIOR SAMPLE LOCATION
-ROOF SAMPLE LOCATION



NO ASBESTOS SAMPLES COLLECTED.
NO XRF READINGS INDICATED THE PRESENCE OF LEAD-BASED PAINT.

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PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

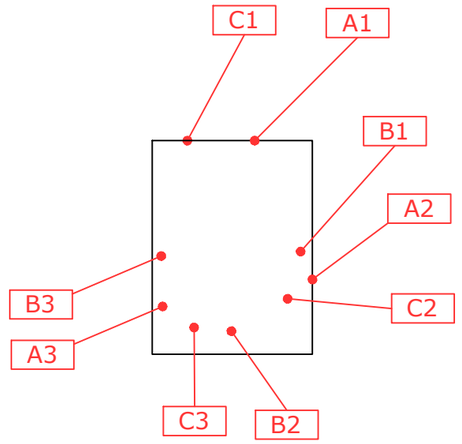
SHEET TITLE

SITE 22
WATER TOWER NORTH OF BUILDING 2
ACM AND LCP SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

22



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

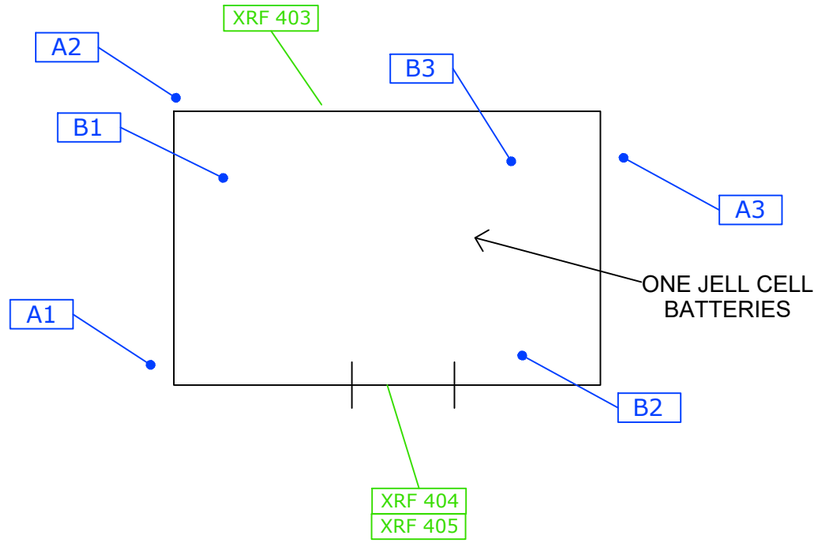
SHEET TITLE

SITE 23
COOLING TOWER BETWEEN
BUILDINGS 1 AND 2
ACM AND LCP SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

23



LEGEND

- -ASBESTOS SAMPLE
- -NON-ASBESTOS SAMPLE
- -LEAD (XRF) SAMPLE
- -INTERIOR SAMPLE LOCATION
- -EXTERIOR SAMPLE LOCATION
- -ROOF SAMPLE LOCATION

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714-289-2600 ANAHEIM, CA 92807

PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

SHEET TITLE

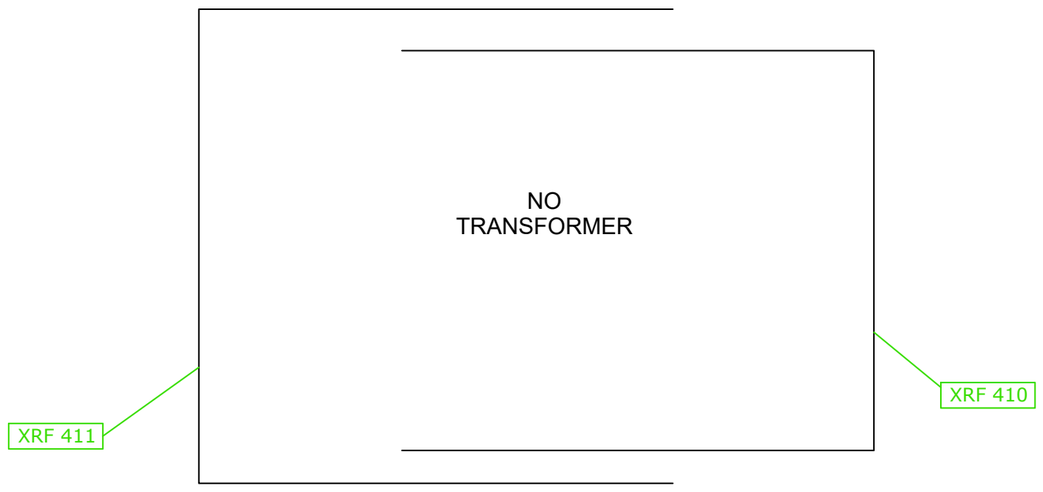
SITE 24
SHED (CINDER BLOCK FORMER ELECTRICAL ROOM ACROSS STREET AND TO NE OF AMO BUNKER 5026)
ACM AND LCP SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

24

LEGEND
-ASBESTOS SAMPLE
-NON-ASBESTOS SAMPLE
-LEAD (XRF) SAMPLE
-INTERIOR SAMPLE LOCATION
-EXTERIOR SAMPLE LOCATION
-ROOF SAMPLE LOCATION



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1054 NORTH TUSTIN AVE.
ANAHEIM, CA 92807

PROJECT TITLE

MARCH AIR RESERVE BASE
UPPER PLATEAU ORDINANCE AREA
RIVERSIDE, CALIFORNIA

SHEET TITLE

SITE 25
TRANSFORMER ENCLOSURE TO SW OF
AMMO BUNKER 5026
ACM AND LCP SAMPLING LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: AS
PROJECT No.
DATE: 01/10/2022
DRAWING No.

FIGURE

25

ATTACHMENT B -
ASBESTOS ANALYTICAL REPORT (PLM)

AQ ENVIRONMENTAL LABORATORIES LLC

1508 East 33rd Street
Signal Hill, CA 90755
Toll: 888-207-2022
Tel: 562-206-2770
Fax: 562-206-2773

Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146253

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/22/2021
Date Analyzed 10/29/2021
Date Reported 10/29/2021

Date Sampled 10/20/2021
Sampled By Acuna
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146253-001	NW Ext					
1-A-1	Pavement Seam Sealant, Black, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146253-002	W Ctr Ext					
1-A-2	Pavement Seam Sealant, Black, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146253-003	SW Ext					
1-A-3	Pavement Seam Sealant, Black, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146253-004	NW Ext					
1-B-1	CMU Grout, White/Gray/Brown, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	25% 50% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146253-005	E Ctr Ext					
1-B-2	CMU Grout, White/Gray/Brown, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	35% 40% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146253-006	SW Ext					
1-B-3	CMU Grout, White/Gray, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	35% 40% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

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Fax: 562-206-2773

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Report Number 2146253

Project Number 210210021
Project Name Leighton
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WO Number

Date Received 10/22/2021
Date Analyzed 10/29/2021
Date Reported 10/29/2021

Date Sampled 10/20/2021
Sampled By Acuna
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146253-007	North Gate					
1-C-1	Pipe Wrap, Black, Non-homogeneous	LAYER 1	Cellulose Fiber	35%	None Detected	
		100%	Bituminous Matrix	65%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146253-008	North Gate					
1-C-2	Pipe Wrap, Black, Non-homogeneous	LAYER 1	Cellulose Fiber	35%	None Detected	
		100%	Bituminous Matrix	65%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146253-009	North Gate					
1-C-3	Pipe Wrap, Black, Non-homogeneous	LAYER 1	Cellulose Fiber	35%	None Detected	
		100%	Bituminous Matrix	65%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146253-010	NE Ext					
1-D-1	Concrete, Wall, Gray, Non-homogeneous	LAYER 1			None Detected	
		100%	Mineral Binders/Filler	35%		
			Quartz	60%		
			Other Non-Fibrous Material	5%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146253-011	W Ext					
1-D-2	Concrete, Wall, Gray, Non-homogeneous	LAYER 1			None Detected	
		100%	Mineral Binders/Filler	35%		
			Quartz	60%		
			Other Non-Fibrous Material	5%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146253-012	W Ext					
1-D-3	Concrete, Wall, Gray, Non-homogeneous	LAYER 1			None Detected	
		100%	Mineral Binders/Filler	35%		
			Quartz	60%		
			Other Non-Fibrous Material	5%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Project Number 210210021
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Date Received 10/22/2021
Date Analyzed 10/29/2021
Date Reported 10/29/2021

Date Sampled 10/20/2021
Sampled By Acuna
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146253

Asbestos Bulk Sample Log

VISTA ENVIRONMENTAL CONSULTING

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON

Date: 10-20-2021

Site/Location: MARCH ARB

Project Number: 210210021

Sampled By: ACUNA

CAC/CSST Number: 18-6186

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
1	A	1	PAVEMENT SEAM SEALANT	BLACK	NW EXT	
↓	↓	2	↓	↓	W-CTR EXT	
↓	↓	3	↓	↓	SW EXT.	
↓	B	1	CMU GROUT	RED	NW EXT.	
↓	↓	2	↓	↓	EAST CTR EXT	
↓	↓	3	↓	↓	SW EXT.	
↓	C	1	PIPE WRAP	BLACK	NORTH GATE	
↓	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	↓	
↓	D	1	CONCRETE	WALL	NE EXT.	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day

Data Sent To: **Via E-Mail:**

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

1.	Signature	CSST Title	10-20-2021 Inclusive Dates
2.	Signature	LAB Asst. Title	10/22/21 0800 Inclusive Dates

2146253

Asbestos Bulk Sample Log

VISTA ENVIRONMENTAL CONSULTING

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: USTGATION **Date:** 10-20-2021

Site/Location: MARCH ARB **Project Number:** 21021002.1

Sampled By: ACUNA **CAC/CSST Number:** 18-6186

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
2	D	2	CONCRETE	PAVEMENT	WEST EXT.	
↓	↓	3	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day

Data Sent To: _____ **Via E-Mail:** _____ Questions call: 213.440.3128

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

1.	[signature]	CSST	10-20-2021
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst.	10/22/21 0800
	Signature	Title	Inclusive Dates

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Vista Environmental Consulting
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Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146332

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/04/2021
Date Reported 11/04/2021

Date Sampled 10/27/2021
Sampled By Acuna
Total Samples 48

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146332-001	Roof- SE					
2-A-1A	Roof Membrane- Gravel Top - Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-002	Roof- SE					
2-A-1B	Roof Membrane- Gravel Top - Insulation, Brown, Homogeneous	LAYER 1 100%	Wood Fiber	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-003	Roof- Ctr					
2-A-2A	Roof Membrane- Gravel Top - Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-004	Roof- Ctr					
2-A-2B	Roof Membrane- Gravel Top - Insulation, Brown, Homogeneous	LAYER 1 100%	Wood Fiber	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-005	Roof- NW					
2-A-3A	Roof Membrane- Gravel Top - Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-006	Roof- NW					
2-A-3B	Roof Membrane- Gravel Top - Layered Felt/Tar, Brown, Non-homogeneous	LAYER 1 100%	Wood Fiber	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146332-007	Roof- NW					
2-B-1	Roof Penetration Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	97%	Chrysotile	3%
	Asbestos Present: Yes		Total % Non-Asbestos:	97.0%	**Total %Asbestos:**	**3.0%**
2146332-008	Roof- NE					
2-B-2	Roof Penetration Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	97%	Chrysotile	3%
	Asbestos Present: Yes		Total % Non-Asbestos:	97.0%	**Total %Asbestos:**	**3.0%**
2146332-009	Roof- SW					
2-B-3	Roof Penetration Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	97%	Chrysotile	3%
	Asbestos Present: Yes		Total % Non-Asbestos:	97.0%	**Total %Asbestos:**	**3.0%**
2146332-010	North					
2-C-1	CMU Grout, Brown/White/Gray, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	60% 20% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-011	SE					
2-C-2	CMU Grout, Brown/White/Gray, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	50% 25% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-012	SW					
2-C-3	CMU Grout, Brown/White/Gray, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	60% 20% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146332-013	South					
2-D-1	Concrete- Column, Gray, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	65%		
			Mineral/Binders/Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-014	Entrance					
2-D-2	Concrete- Floor Pad, Gray, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	65%		
			Mineral/Binders/Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-015	East Entrance					
2-D-3	Concrete- Floor Pad, Gray, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	65%		
			Mineral/Binders/Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-016	NE Exterior					
2-E-1A	9" VFT, Red, Homogeneous	LAYER 1			Chrysotile	8%
		100%	Calcium Carbonate	62%		
			Vinyl Binder/ Filler	30%		
	Asbestos Present: Yes		Total % Non-Asbestos:	92.0%	**Total %Asbestos:**	**8.0%**
2146332-017	NE Exterior					
2-E-1B	Mastic, Black, Non-homogeneous	LAYER 1			None Detected	
		100%	Bituminous Matrix/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-018	NE Exterior					
2-E-2A	9" VFT, Red, Homogeneous	LAYER 1			Chrysotile	8%
		100%	Calcium Carbonate	62%		
			Vinyl Binder/ Filler	30%		
	Asbestos Present: Yes		Total % Non-Asbestos:	92.0%	**Total %Asbestos:**	**8.0%**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146332-019	NE Exterior					
2-E-2B	Mastic, Black, Non-homogeneous	LAYER 1			None Detected	
		100%	Bituminous Matrix/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-020	NE Exterior					
2-E-3A	9" VFT, Red, Homogeneous	LAYER 1			Chrysotile	8%
		100%	Calcium Carbonate	62%		
			Vinyl Binder/ Filler	30%		
	Asbestos Present: Yes		Total % Non-Asbestos:	92.0%	**Total %Asbestos:**	**8.0%**
2146332-021	NE Exterior					
2-E-3B	Mastic, Black, Homogeneous	LAYER 1			None Detected	
		100%	Bituminous Matrix/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-022	NE Exterior					
2-F-1A	4" BC, Black, Homogeneous	LAYER 1			None Detected	
		100%	Vinyl Binder/ Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-023	NE Exterior					
2-F-1B	Mastic, Tan, Non-homogeneous	LAYER 1			None Detected	
		100%	Adhesive Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-024	NE Exterior					
2-F-2A	4" BC, Black, Homogeneous	LAYER 1			None Detected	
		100%	Vinyl Binder/ Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146332-025	NE Exterior					
2-F-2B	Mastic, Tan, Non-homogeneous	LAYER 1			None Detected	
		100%	Adhesive Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-026	NE Exterior					
2-F-3A	4" BC, Black, Homogeneous	LAYER 1			None Detected	
		100%	Vinyl Binder/ Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-027	NE Exterior					
2-F-3B	Mastic, Tan, Non-homogeneous	LAYER 1			None Detected	
		100%	Adhesive Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-028	Restroom					
2-G-1	TSI- 4" Hardpack, White, Non-homogeneous	LAYER 1	Cellulose Fiber	10%	Amosite	10%
		100%	Binder/Filler	70%	Crocidolite	5%
					Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146332-029	Restroom					
2-H-1	TSI- 4" Aircell Pipe Run, White/Beige, Non-homogeneous	LAYER 1	Cellulose Fiber	75%	Chrysotile	10%
		100%	Binder/Filler	15%		
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146332-030	Center Open Area					
2-I-1	TSI- 8" Hardpack Pipe Run, White/Beige, Non-homogeneous	LAYER 1	Cellulose Fiber	13%	Amosite	8%
		100%	Binder/Filler	75%	Crocidolite	4%
	Asbestos Present: Yes		Total % Non-Asbestos:	88.0%	**Total %Asbestos:**	**12.0%**
2146332-031	Center Open Area					
2-J-1	TSI- 8" Hardpack Pipe Collar, Gray/White/Beige, Non-homogeneous	LAYER 1	Cellulose Fiber	10%	Chrysotile	10%
		100%	Binder/Filler	75%	Amosite	5%
					Crocidolite	<1
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**

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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146332-032	North Center					
2-K-1	TSI- 6" Hardpack Pipe Run, Gray/White, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	15% 20%	Chrysotile	65%
	Asbestos Present: Yes		Total % Non-Asbestos:	35.0%	**Total %Asbestos:**	**65.0%**
2146332-033	North Center					
2-L-1	TSI- 6" Hardpack Pipe Elbow, Gray/White, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	15% 70%	Amosite Chrysotile Crocidolite	12% 3% <1
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146332-034	South Center					
2-M-1	Gasket, Black, Homogeneous	LAYER 1 100%	Binder/Filler	20%	Chrysotile	80%
	Asbestos Present: Yes		Total % Non-Asbestos:	20.0%	**Total %Asbestos:**	**80.0%**
2146332-035	SW					
2-M-2	Gasket, Black, Homogeneous	LAYER 1 100%	Binder/Filler	20%	Chrysotile	80%
	Asbestos Present: Yes		Total % Non-Asbestos:	20.0%	**Total %Asbestos:**	**80.0%**
2146332-036	NW					
2-M-3	Gasket, Black, Homogeneous	LAYER 1 100%	Binder/Filler	20%	Chrysotile	80%
	Asbestos Present: Yes		Total % Non-Asbestos:	20.0%	**Total %Asbestos:**	**80.0%**
2146332-037	South Center					
2-N-1	Gasket, Beige, Homogeneous	LAYER 1 100%	Binder/Filler	35%	Chrysotile	65%
	Asbestos Present: Yes		Total % Non-Asbestos:	35.0%	**Total %Asbestos:**	**65.0%**
2146332-038	South Center					
2-N-2	Gasket, Beige, Homogeneous	LAYER 1 100%	Binder/Filler	35%	Chrysotile	65%
	Asbestos Present: Yes		Total % Non-Asbestos:	35.0%	**Total %Asbestos:**	**65.0%**
2146332-039	South Center					
2-N-3	Gasket, Beige, Homogeneous	LAYER 1 100%	Binder/Filler	35%	Chrysotile	65%
	Asbestos Present: Yes		Total % Non-Asbestos:	35.0%	**Total %Asbestos:**	**65.0%**

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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146332-040	North Entrance					
2-O-1	Gasket, Red, Homogeneous	LAYER 1			None Detected	
		100%	Non-Fibrous Material	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-041	North Entrance					
2-O-2	Gasket, Red, Homogeneous	LAYER 1			None Detected	
		100%	Non-Fibrous Material	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-042	North Entrance					
2-O-3	Gasket, Red, Homogeneous	LAYER 1			None Detected	
		100%	Non-Fibrous Material	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-043	SE Duct					
2-P-1	Vibration Dampener, Black, Non-homogeneous	LAYER 1	Fibrous Glass	60%	None Detected	
		100%	Binder/Filler	40%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-044	SE Duct					
2-P-2	Vibration Dampener, Black, Non-homogeneous	LAYER 1	Fibrous Glass	50%	None Detected	
		100%	Binder/Filler	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-045	SE Duct					
2-P-3	Vibration Dampener, Black, Non-homogeneous	LAYER 1	Fibrous Glass	50%	None Detected	
		100%	Binder/Filler	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146332-046	Restroom					
2-Q-1	WBJC- Smooth Finish Wall, White/Brown, Non-homogeneous Note: No Joint Compound Present	LAYER 1 100%	Cellulose Fiber Gypsum/Filler Other Non-Fibrous Material	35% 60% 5%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-047	Restroom					
2-Q-2	WBJC- Smooth Finish Wall, White/Brown, Non-homogeneous Note: No Joint Compound Present	LAYER 1 100%	Cellulose Fiber Gypsum/Filler Other Non-Fibrous Material	35% 60% 5%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146332-048	Restroom					
2-Q-3	WBJC- Smooth Finish Wall, White/Brown, Non-homogeneous Note: No Joint Compound Present	LAYER 1 100%	Cellulose Fiber Gypsum/Filler Other Non-Fibrous Material	30% 65% 5%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146332

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON Date: 10-27-2021

Site/Location: MARCH ARB Project Number: 21021002 1

Sampled By: ACUNA CAC/CSST Number: 18-6186

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
2	A	1	ROOF MEMBRANE	GRAVEL TOP BLACK	ROOF - SE	
↓	↓	2	↓	↓	- GTL	
↓	↓	3	↓	↓	- NW	
↓	B	1	ROOF PEN. MASTIC	BLACK, GRAY	- NW	
↓	↓	2	↓	↓	- NE	
↓	↓	3	↓	↓	↓ - SW	
↓	C	1	CMU GROUT	GRAY	- NORTH	
↓	↓	2	↓	↓	- SE	
↓	↓	3	↓	↓	- SW	
↓	D	1	CONCRETE	COLUMN - GRAY	- SOUTH	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day 5DAY

Data Sent To: **Via E-Mail:**

Special Instructions: ANDREW.SCHNEIDER@VISTA-ENV.COM

CHAIN OF CUSTODY:

1.	Signature	CSST Title	10-27-21 Inclusive Dates
2.	Signature	Lab Asst. Title	10/28/21 08:48 Inclusive Dates

2146332

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON Date: 10-27-2021

Site/Location: MARCH ARB Project Number: 210210021

Sampled By: ACUNA CAC/CSST Number: 18-61936

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
2	D	2	CONCRETE	FLOOR PAD - GRAY	ENTRANCE	
|	↓	3	↓	↓	EAST ENTRANCE	
|	E	1	VFT	9" RED, BLACK MASTIC	NE EXTERIOR	
|	↓	2	↓	↓	|	
|	↓	3	↓	↓	|	
|	F	1	BC	4" BLACK TAN MASTIC	|	
|	↓	2	↓	↓	|	
|	↓	3	↓	↓	↓	
|	G	1	TSI	4" HARDPACK	RESTROOM	
↓	H	1	TSI	4" AIRCELL PIPE RUN	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day (5DAY)

Data Sent To: **Via E-Mail:**

Special Instructions:

CHAIN OF CUSTODY:

1.	Signature	Project Manager Title	10-27-21 Inclusive Dates
2.	Signature	Lab Asst. Title	10/28/21 08:48 Inclusive Dates

2146332

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON Date: 10-27-2021

Site/Location: MARCH ARB Project Number: 210210021

Sampled By: ACUNA CAC/CSST Number: 18-61886

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
2	I	1	TSI	8" HARDPACK PIPE RUN	CENTER OPEN AREA	
↓	J	1	TSI	8" HARDPACK PIPE COLLAR	↓	
	K	1	TSI	6" HARDPACK PIPE RUN	NORTH CENTER	
	L	1	TSI	6" HARDPACK PIPE ELBOW	↓	
	M	1	GASKET	BLACK	SOUTH CTR	
	↓	2	↓	↓	-SW	
	↓	3	↓	↓	-NW	
	N	1	GASKET	BEIGE	SOUTH CENTER	
	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day 5DAY

Data Sent To: **Via E-Mail:** MIKE@vista-env.com Questions call: **(714) 289-2600**

Special Instructions:

CHAIN OF CUSTODY:

1.	Signature	Project Manager Title	10-27-21 Inclusive Dates
2.	Signature	Lab Asst. Title	10/28/21 08:48 Inclusive Dates

2146332

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Asbestos Bulk Sample Log

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Client: LEIGHTON Date: 10-27-2021

Site/Location: MARCH ARB Project Number: 210210021

Sampled By: ACUNA CAC/CSST Number: 18-61886

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
2	O	1	GASKET	RED	NW ENTRANCE	
↓	↓	2	↓	↓	↓	
	↓	3	↓	↓	↓	
	P	1	VIBRATION DAMPENER	BLACK	SE DUCT	
	↓	2	↓	↓	↓	
	↓	3	↓	↓	↓	
	Q	1	WBSC	SMOOTH FINISH WALL	RESTROOM	
	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day STAT

Data Sent To: _____ **Via E-Mail:** _____ Questions call: 213.440.3128

Special Instructions: _____

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	EA	CSST	10-27-21
2.	[signature]	Lab Asst.	10/28/21 08:48

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Report Number 2146333

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Total Samples 50

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146333-001	Roof -NE					
3-A-1A	Roof Membrane Gravel Top- Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	40% 60%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-002	Roof -NE					
3-A-1B	Roof Membrane Gravel Top- Insulation, Yellow, Homogeneous	LAYER 1 100%	Fibrous Glass	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-003	Roof- Ctr					
3-A-2A	Roof Membrane Gravel Top- Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	50% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-004	Roof- Ctr					
3-A-2B	Roof Membrane Gravel Top- Insulation, Yellow, Homogeneous	LAYER 1 100%	Fibrous Glass	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-005	Roof- NW					
3-A-3A	Roof Membrane Gravel Top- Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	25% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-006	Roof- NW					
3-A-3B	Roof Membrane Gravel Top- Insulation, Yellow, Homogeneous	LAYER 1 100%	Fibrous Glass	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-007	Roof- NW					
3-A-3C	Roof Membrane Gravel Top- Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	40% 60%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146333-008	Roof- NW					
3-A-3D	Roof Membrane Gravel Top- Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	40% 60%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-009	Roof- NW					
3-B-1	Roof Duct Sealant, White, Homogeneous	LAYER 1 100%	Binder/Filler	90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146333-010	Roof- NW					
3-B-2	Roof Duct Sealant, White, Homogeneous	LAYER 1 100%	Binder/Filler	90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146333-011	Roof- NW					
3-B-3	Roof Duct Sealant, White, Homogeneous	LAYER 1 100%	Binder/Filler	90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146333-012	Roof- NW					
3-C-1	Roof Penetration Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146333-013	Roof- Ctr					
3-C-2	Roof Penetration Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146333-014	Roof- SW					
3-C-3	Roof Penetration Mastic, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix	80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146333-015	NE					
3-D-1	Door Frame Sealant, White/ Brown, Non-homogeneous	LAYER 1 100%	Binder/Filler	95%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146333-016	NW					
3-D-2	Door Frame Sealant, White/ Brown, Non-homogeneous	LAYER 1 100%	 Binder/Filler	 95%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2146333-017	South Ctr					
3-D-3	Door Frame Sealant, White/ Brown, Non-homogeneous	LAYER 1 100%	 Binder/Filler	 95%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2146333-018	SW					
3-E-1	Window Putty, White, Non-homogeneous	LAYER 1 100%	 Calcium Carbonate Binder/Filler	 80% 20%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
2146333-019	NW					
3-E-2	Window Putty, Brown/Beige, Non-homogeneous	LAYER 1 100%	 Calcium Carbonate Binder/Filler	 80% 20%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
2146333-020	W. Ctr					
3-E-3	Window Putty, Brown/Beige, Non-homogeneous	LAYER 1 100%	 Calcium Carbonate Binder/Filler	 80% 20%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
2146333-021	NE					
3-F-1	Pavement Seam Caulking, Beige, Non-homogeneous	LAYER 1 100%	 Vermiculite Organic Binders	 25% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-022	N. Ctr					
3-F-2	Pavement Seam Caulking, Beige, Non-homogeneous	LAYER 1 100%	 Vermiculite Organic Binders	 25% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146333-023	NW					
3-F-3	Pavement Seam Caulking, Beige, Non-homogeneous	LAYER 1			None Detected	
		100%	Vermiculite	25%		
			Organic Binders	75%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-024	5					
3-G-1	Concrete- Floor Pad, Gray, Non-homogeneous	LAYER 1			None Detected	
		100%	Quartz	55%		
			Calcium Carbonate	30%		
			Binder/Filler	15%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-025	NE Ramp					
3-G-2	Concrete- Floor Pad, Cream/Gray, Non-homogeneous	LAYER 1			None Detected	
		100%	Quartz	60%		
			Calcium Carbonate	30%		
			Binder/Filler	10%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-026	NW					
3-G-3	Concrete- Floor Pad, Yellow/Gray, Non-homogeneous	LAYER 1			None Detected	
		100%	Quartz	60%		
			Calcium Carbonate	30%		
			Binder/Filler	10%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-027	3					
3-H-1A	9" VFT, Red, Homogeneous	LAYER 1			Chrysotile	5%
		100%	Calcium Carbonate	40%		
			Vinyl Binder	55%		
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2146333-028	3					
3-H-1B	Mastic, Black, Homogeneous	LAYER 1			None Detected	
		100%	Bituminous Matrix	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146333-029	4					
3-H-2A	9" VFT, Red, Homogeneous	LAYER 1			Chrysotile	5%
		100%	Calcium Carbonate	40%		
			Vinyl Binder	55%		
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2146333-030	4					
3-H-2B	Mastic, Black, Homogeneous	LAYER 1			None Detected	
		100%	Bituminous Matrix	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-031	6					
3-H-3A	9" VFT, Red, Homogeneous	LAYER 1			Chrysotile	5%
		100%	Calcium Carbonate	40%		
			Vinyl Binder	55%		
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2146333-032	6					
3-H-3B	Mastic, Black, Homogeneous	LAYER 1			None Detected	
		100%	Bituminous Matrix	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-033	2					
3-I-1A	12" VFT, Green, Homogeneous	LAYER 1			Chrysotile	2%
		100%	Calcium Carbonate	60%		
			Vinyl Binder	38%		
	Asbestos Present: Yes		Total % Non-Asbestos:	98.0%	**Total %Asbestos:**	**2.0%**
2146333-034	2					
3-I-1B	Mastic, Tan/Black, Non-homogeneous	LAYER 1			None Detected	
		100%	Bituminous Matrix	70%		
			Organic Binders	30%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146333-035	2					
3-I-2A	12" VFT, Green, Homogeneous	LAYER 1			Chrysotile	2%
		100%	Calcium Carbonate	60%		
			Vinyl Binder	38%		
	Asbestos Present: Yes		Total % Non-Asbestos:	98.0%	**Total %Asbestos:**	**2.0%**
2146333-036	2					
3-I-2B	Mastic, Tan, Homogeneous	LAYER 1			None Detected	
		100%	Organic Binders	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-037	2					
3-I-3A	12" VFT, Green, Homogeneous	LAYER 1			Chrysotile	2%
		100%	Calcium Carbonate	60%		
			Vinyl Binder	38%		
	Asbestos Present: Yes		Total % Non-Asbestos:	98.0%	**Total %Asbestos:**	**2.0%**
2146333-038	2					
3-I-3B	Mastic, Tan, Homogeneous	LAYER 1			None Detected	
		100%	Organic Binders	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-039	1					
3-J-1A	4" BC, White/ Black, Non-homogeneous	LAYER 1			None Detected	
		100%	Vinyl Binder/ Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-040	1					
3-J-1B	Mastic, Tan, Homogeneous	LAYER 1			None Detected	
		100%	Organic Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146333-041	1					
3-J-2A	4" BC, White/ Black, Non-homogeneous	LAYER 1			None Detected	
		100%	Vinyl Binder/ Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-042	1					
3-J-2B	Mastic, Tan, Homogeneous	LAYER 1			None Detected	
		100%	Organic Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-043	3					
3-J-3A	4" BC, White/ Black, Non-homogeneous	LAYER 1			None Detected	
		100%	Vinyl Binder/ Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-044	3					
3-J-3B	Mastic, Tan, Homogeneous	LAYER 1			None Detected	
		100%	Organic Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-045	3					
3-K-1	Plaster- Smooth Finish Wall, Lt. Green/White/Beige, Non-homogeneous	LAYER 1	Jute Fiber	<1%	None Detected	
		100%	Quartz	40%		
			Calcium Carbonate	15%		
			Gypsum/Binder/Filler	45%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-046	1					
3-K-2	Plaster- Smooth Finish Wall, Lt. Green/White/Beige, Non-homogeneous	LAYER 1			None Detected	
		100%	Quartz	40%		
			Calcium Carbonate	10%		
			Gypsum/Binder/Filler	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146333-047	2					
3-K-3	Plaster- Smooth Finish Wall, Lt. Green/White/Beige, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Gypsum/Binder/Filler	40% 10% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146333-048	SW					
3-L-1	Window Frame Sealant, Brown/Beige, Non-homogeneous	LAYER 1 100%	Binder/Filler	95%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2146333-049	NW					
3-L-2	Window Frame Sealant, Brown/Beige, Non-homogeneous	LAYER 1 100%	Binder/Filler	95%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2146333-050	W. Ctr					
3-L-3	Window Frame Sealant, Brown/Beige, Non-homogeneous	LAYER 1 100%	Binder/Filler	95%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Cristina E Tabatt
Analyst - Cristina Tabatt

Cristina E Tabatt
Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146333

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-26-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
3	A	1	ROOF MEMBRANE	GRAVEL TOP, BLACK	ROOF -NE	
↓	↓	2	↓	↓	-CTR	
	↓	3	↓	↓	-NW	
	B	1	ROOF DUCT SEALANT	WHITE	-NW	
	↓	2	↓	↓	-NW	
	↓	3	↓	↓	-NW	
	C	1	ROOF PEN. MASTIC	BLACK	-NW	
	↓	2	↓	↓	-CTR	
	↓	3	↓	↓	-SW	
↓	D	1	DOOR FRAME SEALANT	WHITE	-NE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

1.	EVA-	CSST	10-26-21
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst.	10/28/21 08:48
	Signature	Title	Inclusive Dates

2146333

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-26-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
3	D	2	DOOR FRAME SEALANT	WHITE	-NW	
↓	↓	3	↓	↓	- SOUTH CTR.	
	E	1	WINDOW PUTTY	WHITE	- SW	
	↓	2	↓	↓	-NW	
	↓	3	↓	↓	- W. CTR	
	F	1	PARAPET SEAM CAULKING	WHITE	-NE	
	↓	2	↓	↓	-N. CTR	
	↓	3	↓	↓	-NW	
	G	1	CONCRETE	FLOOR PAD	5	
↓	↓	2	↓	RAMP	NE RAMP	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	E-Au	CSST	10-26-21
2.	[signature]	Lab Asst.	10/28/21 08:48

2146333

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-26-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
3	G	3	CONCRETE	WALL	- NW	
↓	H	1	VFT	9" RED, BLACK MASTIC	3	
↓	↓	2	↓	↓	4	
↓	↓	3	↓	↓	6	
↓	I	1	VFT	12" GILGEN TAN MASTIC	2	
↓	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	↓	
↓	J	1	BC	4" BLACK BROWN MASTIC	1	
↓	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	3	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

1.	Signature	CSST Title	10-26-21 Inclusive Dates
2.	Signature	Lab Asst. Title	10/28/21 08:48 Inclusive Dates

2146333

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-26-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
3	K	1	PLASTER	SMOOTH FINISH WALL	3	
↓	↓	2	↓	↓	7	
	↓	3	↓	↓	2	
↓	L	1	WINDOW FRAME SEALANT	WHITE, ROUND	- SW	
↓	↓	2	↓	↓	- NW	
↓	↓	3	↓	↓	- W. GR	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

1.	E-A	CSST	10-26-21
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst	10/28/21 08:48
	Signature	Title	Inclusive Dates

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Sampled By E. Acuna/Y. Schmidt
Total Samples 116

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-001	Southwest Exterior					
4-A-1	Electrical Panel Mastic, Tan, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-002	Southwest Exterior					
4-A-2	Electrical Panel Mastic, Tan, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-003	Southwest Exterior					
4-A-3	Electrical Panel Mastic, Tan, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-004	NW Ext					
4-B-1	Pavement Seam Sealant, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-005	N Ctr Ext					
4-B-2	Pavement Seam Sealant, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-006	E Ctr Ext					
4-B-3	Pavement Seam Sealant, Black/Brown, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-007	North Ctr Ext					
4-C-1	Exterior Duct Mastic, White/Gray, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Vermiculite Adhesive Binders/Filler	2% 28% 70%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-008	North Ctr Ext					
4-C-2	Exterior Duct Mastic, White/Gray, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Vermiculite Adhesive Binders/Filler	2% 28% 70%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-009	North Ctr Ext					
4-C-3	Exterior Duct Mastic, White/Gray, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Vermiculite Binder/Filler	3% 27% 70%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-010	NW Ext					
4-D-1	CMU Grout, Red (Beige/Gray)	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	30% 45% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-011	North Ctr Ext					
4-D-2	CMU Grout, Red (Beige/Gray)	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	30% 45% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-012	Southeast Exterior					
4-D-3	CMU Grout, Red (Beige/Gray)	LAYER 1			None Detected	
		100%	Calcium Carbonate	40%		
			Quartz	40%		
			Other Non-Fibrous Material	20%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-013	Northeast Exterior					
4-E-1	Louver Frame Sealant, White, Non-homogeneous	LAYER 1			Chrysotile	<1%
		100%	Calcium Carbonate	80%		
			Binder/Filler	20%		
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
2146265-014	Northeast Exterior					
4-E-2	Louver Frame Sealant, White, Non-homogeneous	LAYER 1			Chrysotile	<1%
		100%	Calcium Carbonate	80%		
			Binder/Filler	20%		
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
2146265-015	Northeast Exterior					
4-E-3	Louver Frame Sealant, White, Non-homogeneous	LAYER 1			Chrysotile	<1%
		100%	Calcium Carbonate	80%		
			Binder/Filler	20%		
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
2146265-016	East Ctr Exterior					
4-F-1	Ext Pipe Coating, Black/Green, Non-homogeneous	LAYER 1			None Detected	
		100%	Bituminous Material	85%		
			Other Non-Fibrous Material	15%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-017	East Ctr Exterior					
4-F-2	Ext Pipe Coating, Black/Green, Non-homogeneous	LAYER 1			None Detected	
		100%	Bituminous Material	85%		
			Other Non-Fibrous Material	15%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Total Samples 116

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-018	East Ctr Exterior					
4-F-3	Ext Pipe Coating, Black/Green, Non-homogeneous	LAYER 1 100%	Bituminous Material Other Non-Fibrous Material	85% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-019	Northwest Ext of Room 8					
4-G-1	Ext Leveling Compound, Tan, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-020	Northwest Ext of Room 8					
4-G-2	Ext Leveling Compound, Tan, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-021	Northwest Ext of Room 8					
4-G-3	Ext Leveling Compound, Tan, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-022	Hall					
4-H-1	Carpet Mastic, Tan, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-023	5					
4-H-2	Carpet Mastic, Tan, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-024	7					
4-H-3	Carpet Mastic, Tan, Non-homogeneous	LAYER 1	Synthetic Fiber	<1%	None Detected	
		100%	Adhesive Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-025	7					
4-I-1A	VFT, 12", White, Homogeneous	LAYER 1	Cellulose Fiber	3%	None Detected	
		100%	Calcium Carbonate	52%		
			Vinyl Binder/ Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-026	7					
4-I-1B	Mastic, Tan, Homogeneous	LAYER 1			None Detected	
		100%	Adhesive Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-027	7					
4-I-2A	VFT, 12", White, Homogeneous	LAYER 1	Cellulose Fiber	3%	None Detected	
		100%	Calcium Carbonate	52%		
			Vinyl Binder/ Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-028	7					
4-I-2B	Mastic, Tan, Homogeneous	LAYER 1			None Detected	
		100%	Adhesive Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-029	7					
4-I-3A	VFT, 12", White, Homogeneous	LAYER 1	Cellulose Fiber	3%	None Detected	
		100%	Calcium Carbonate	52%		
			Vinyl Binder/ Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-030	7					
4-I-3B	Mastic, Tan, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-031	1					
4-J-1	LAYER 1 Wall Board, Unfinished, White/Brown, Non-homogeneous	LAYER 1 90%	Cellulose Fiber Fibrous Glass Gypsum/Filler	25% <1 75%	None Detected	
	LAYER 2 Joint Compound, White, Homogeneous	LAYER 2 10%	Calcium Carbonate Binder/Filler	80% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-032	5					
4-J-2	LAYER 1 Wall Board, Unfinished, White/Brown, Non-homogeneous	LAYER 1 90%	Cellulose Fiber Fibrous Glass Gypsum/Filler	25% <1 75%	None Detected	
	LAYER 2 Joint Compound, White, Homogeneous	LAYER 2 10%	Calcium Carbonate Binder/Filler	80% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-033	3					
4-J-3	LAYER 1 Wall Board, Unfinished, White/Brown, Non-homogeneous	LAYER 1 95%	Cellulose Fiber Fibrous Glass Gypsum/Filler	25% <1 75%	None Detected	
	LAYER 2 Joint Compound, White, Homogeneous	LAYER 2 5%	Calcium Carbonate Binder/Filler	80% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-034	1					
4-K-1	Duct Wrap, Fiberglass Wrap, Brown/Black/Yellow, Non-homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Bituminous Material/Filler	75% 15% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-035	5					
4-K-2	Duct Wrap, Fiberglass Wrap, Brown/Black/Yellow, Non-homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Bituminous Material/Filler	75% 15% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-036	9					
4-K-3	Duct Wrap, Fiberglass Wrap, Brown/Black/Yellow, Non-homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Bituminous Material/Filler	75% 15% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-037	Hall					
4-L-1	CP, 2x4 Fissured, White, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	25% 20% 45% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-038	7					
4-L-2	CP, 2x4 Fissured, White, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Mineral Wool Perlite Binder/Filler	25% 20% 45% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Report Number 2146265

Project Number 210210021
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Total Samples 116

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-039	3					
4-L-3	CP, 2x4 Fissured, White, Non-homogeneous	LAYER 1 100%	Cellulose Fiber	25%	None Detected	
			Mineral Wool	20%		
			Perlite	45%		
			Binder/Filler	10%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-040	1					
4-M-1	Duct Wrap, Fiberglass Plastic Wrap, Yellow/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass	65%	None Detected	
			Non-Asbestos Residue	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-041	7					
4-M-2	Duct Wrap, Fiberglass Plastic Wrap, Yellow/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass	70%	None Detected	
			Non-Fibrous Material	30%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-042	3					
4-M-3	Duct Wrap, Fiberglass Plastic Wrap, Yellow/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass	70%	None Detected	
			Non-Fibrous Material	30%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-043	2					
4-N-1	SUCM, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-044	2					
4-N-2	SUCM, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-045	2					
4-N-3	SUCM, Black, Homogeneous	LAYER 1			None Detected	
		100%	Bituminous Matrix/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-046	6					
4-O-1	CP, 2x4 Fiberglass, White/Yellow, Non-homogeneous	LAYER 1	Fibrous Glass	85%	None Detected	
		100%	Binder/Filler	15%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-047	7					
4-O-2	CP, 2x4 Fiberglass, White/Yellow, Non-homogeneous	LAYER 1	Fibrous Glass	60%	None Detected	
		100%	Binder/Filler	40%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-048	7					
4-O-3	CP, 2x4 Fiberglass, White/Yellow, Non-homogeneous	LAYER 1	Fibrous Glass	90%	None Detected	
		100%	Binder/Filler	10%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-049	1					
4-P-1A	VFT, 12", Brown (Red), Homogeneous	LAYER 1			Chrysotile	8%
		100%	Calcium Carbonate	57%		
			Vinyl Binder/ Filler	35%		
	Asbestos Present: Yes		Total % Non-Asbestos:	92.0%	**Total %Asbestos:**	**8.0%**
2146265-050	1					
4-P-1B	Mastic, Black, Homogeneous	LAYER 1			None Detected	
		100%	Bituminous Matrix/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-051	3					
4-P-2A	VFT, 12", Brown (Red), Homogeneous	LAYER 1			Chrysotile	8%
		100%	Calcium Carbonate	57%		
			Vinyl Binder/ Filler	35%		
	Asbestos Present: Yes		Total % Non-Asbestos:	92.0%	**Total %Asbestos:**	**8.0%**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-052	3					
4-P-2B	Mastic, Black, Non-homogeneous	LAYER 1			None Detected	
		100%	Bituminous Matrix/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-053	5					
4-P-3A	VFT, 12", Brown, Homogeneous	LAYER 1	Cellulose Fiber	15%	None Detected	
		100%	Calcium Carbonate	50%		
			Vinyl Binder/ Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-054	5					
4-P-3B	Mastic, Brown/Black, Non-homogeneous	LAYER 1	Cellulose Fiber	5%	None Detected	
		100%	Adhesive Binders/Filler	95%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-055	4					
4-Q-1A	VFT, 12", Brown, Homogeneous	LAYER 1	Cellulose Fiber	15%	None Detected	
		100%	Calcium Carbonate	50%		
			Vinyl Binder/ Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-056	4					
4-Q-1B	Mastic, Black, Homogeneous	LAYER 1	Cellulose Fiber	<1%	None Detected	
		100%	Bituminous Matrix/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-057	Hall					
4-Q-2A	VFT, 12", Brown, Homogeneous	LAYER 1	Cellulose Fiber	15%	None Detected	
		100%	Calcium Carbonate	50%		
			Vinyl Binder/ Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-058 4-Q-2B	Hall Mastic, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Fioller	<1% 100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-059 4-Q-3A	Hall VFT, 12", Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Calcium Carbonate Vinyl Binder/ Filler	15% 50% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-060 4-Q-3B	Hall Mastic, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler/Filler	<1% 100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-061 4-R-1A	1 Wallpaper, White, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Vinyl Binder/ Filler	40% 60%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-062 4-R-1B	1 Adhesive, Tan, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders/Filler	5% 95%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-063 4-R-2A	3 Wallpaper, White, Non-homogeneous	LAYER 1 100%	Synthetic Fiber Vinyl Binder/ Filler	40% 60%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-064	3					
4-R-2B	Adhesive, Tan, Non-homogeneous	LAYER 1	Cellulose Fiber	5%	None Detected	
		100%	Adhesive Binders/Filler	95%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-065	2					
4-R-3A	Wallpaper, White, Non-homogeneous	LAYER 1	Synthetic Fiber	40%	None Detected	
		100%	Vinyl Binder/ Filler	60%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-066	2					
4-R-3B	Adhesive, Tan, Non-homogeneous	LAYER 1	Cellulose Fiber	5%	None Detected	
		100%	Adhesive Binders/Filler	95%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-067	7					
4-S-1	TSI, Air-Cell 4" Pipe Run, White/Brown, Non-homogeneous	LAYER 1	Cellulose Fiber	65%	Chrysotile	5%
		100%	Binder/Filler	30%		
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2146265-068	10					
4-T-1	TSI, Duct Wrap Hard Pack, White, Non-homogeneous	LAYER 1	Mineral Wool	35%	Amosite	15%
		100%	Binder/Filler	45%	Crocidolite	3%
					Chrysotile	2%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146265-069	10					
4-U-1	TSI, 8" Hard Pack Run, Brown/Gray, Non-homogeneous	LAYER 1	Cellulose Fiber	15%	None Detected	
		100%	Synthetic Fiber	5%		
			Binder/Filler	80%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-070	10					
4-V-1	TSI, 8" Hard Pack Run, Brown/White, Non-homogeneous	LAYER 1 100%	Cellulose Fiber	15%	None Detected	
			Synthetic Fiber	5%		
			Binder/Filler	80%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-071	10					
4-W-1	TSI, Boiler Insulation Hard Pack, White/Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber	25%	Amosite	20%
			Binder/Filler	50%	Crocidolite	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	75.0%	**Total %Asbestos:**	**25.0%**
2146265-072	10					
4-X-1	TSI, Hard Pack Elbow, Gray, Non-homogeneous	LAYER 1 100%	Mineral Wool	75%	None Detected	
			Binder/Filler	25%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-073	10					
4-Y-1	TSI, Fiberglass 8" Run Wrap, Yellow/Brown/Black/Silver, Non-homogeneous	LAYER 1 100%	Fibrous Glass	40%	None Detected	
			Cellulose Fiber	15%		
			Bituminous Material	25%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-074	10					
4-Y-2	TSI, Fiberglass 8" Run Wrap, Yellow/Brown/Black/Silver, Non-homogeneous	LAYER 1 100%	Fibrous Glass	50%	None Detected	
			Cellulose Fiber	15%		
			Bituminous Matrix	15%		
			Metallic Foil	10%		
			Other Non-Fibrous Material	10%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-075	10					
4-Y-3	TSI, Fiberglass 8" Run Wrap, Yellow/Black/Silver, Non-homogeneous	LAYER 1 100%	Fibrous Glass	50%	None Detected	
			Cellulose Fiber	15%		
			Bituminous Matrix	15%		
			Metallic Foil	10%		
			Other Non-Fibrous Material	10%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-076	10					
4-Z-1	Boiler Roper Gasket, Gray, Homogeneous	LAYER 1 100%	Fibrous Glass	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-077	10					
4-Z-2	Boiler Roper Gasket, Gray, Homogeneous	LAYER 1 100%	Fibrous Glass	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-078	10					
4-Z-3	Boiler Roper Gasket, Gray, Homogeneous	LAYER 1 100%	Fibrous Glass	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-079	10					
4-AA-1	TSI, Fiberglass Run Paper Cover, Yellow/Gray/White/Silver, Non-homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Non-Fibrous Material	60% 10% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-080	10					
4-AA-2	TSI, Fiberglass Run Paper Cover, Yellow/Gray/White/Silver, Non-homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Non-Fibrous Material	60% 10% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-081	10					
4-AA-3	TSI, Fiberglass Run Paper Cover, Yellow/Gray/White/Silver, Non-homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Non-Fibrous Material	50% 15% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-082	10					
4-BB-1	Vibration Dampener, Vinyl, Gray, Non-homogeneous	LAYER 1 100%	Fibrous Glass Binder/Filler	25% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-083	10					
4-BB-2	Vibration Dampener, Vinyl, Gray, Non-homogeneous	LAYER 1 100%	Fibrous Glass Binder/Filler	25% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-084	10					
4-BB-3	Vibration Dampener, Vinyl, Gray, Non-homogeneous	LAYER 1 100%	Fibrous Glass Binder/Filler	25% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-085	East					
4-DD-1A	Roof Membrane, Gravel Top - Capsheet, Gray/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Other Non-Fibrous Material	60% 20% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-086	East					
4-DD-1B	Roof Membrane, Gravel Top - Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	75% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-087	East					
4-DD-1C	Roof Membrane, Gravel Top - Roofing Paper, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	90% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-088	East					
4-DD-1D	Roof Membrane, Gravel Top - Insulation, Yellow, Non-homogeneous	LAYER 1 100%	Fibrous Glass	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-089	SW					
4-DD-2A	Roof Membrane, Gravel Top - Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	75% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-090	SW					
4-DD-2B	Roof Membrane, Gravel Top - Roofing Paper, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	90% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-091	SW					
4-DD-2C	Roof Membrane, Gravel Top - Insulation, Yellow, Non-homogeneous	LAYER 1 100%	Fibrous Glass	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-092	SW					
4-DD-3A	Roof Membrane, Gravel Top - Capsheet, Gray/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Other Non-Fibrous Material	60% 20% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-093	SW					
4-DD-3B	Roof Membrane, Gravel Top - Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	75% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Report Number 2146265

Project Number 210210021
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Total Samples 116

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-094	NW					
4-DD-3C	Roof Membrane, Gravel Top - Roofing Paper, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	90% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-095	NW					
4-DD-3D	Roof Membrane, Gravel Top - Insulation, Yellow, Non-homogeneous	LAYER 1 100%	Fibrous Glass	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-096	NW					
4-EE-1A	Roof Parapet - Capsheet, White/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Other Non-Fibrous Material	40% 20% 20%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146265-097	NW					
4-EE-1B	Roof Parapet - Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	75% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-098	West Ctr					
4-EE-2A	Roof Parapet - Capsheet, White/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Other Non-Fibrous Material	40% 20% 20%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146265-099	West Ctr					
4-EE-2B	Roof Parapet - Layered Felt/Tar, White, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	75% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-100	West Ctr					
4-EE-3A	Roof Parapet - Capsheet, White/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix Other Non-Fibrous Material	40% 20% 20%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-101	West Ctr					
4-EE-3B	Roof Parapet - Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	75% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-102	SE					
4-FF-1	Roof Pen. Mastic, Black, Homogeneous	LAYER 1 100%	 Bituminous Matrix	 90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146265-103	SW					
4-FF-2	Roof Pen. Mastic, Black, Homogeneous	LAYER 1 100%	 Bituminous Matrix	 90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146265-104	NW					
4-FF-3	Roof Pen. Mastic, Black, Homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146265-105	West Ctr					
4-GG-1	Roof Flashing Mastic, Gray/Black, Homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146265-106	West Ctr					
4-GG-2	Roof Flashing Mastic, Gray/Black, Homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146265-107	West Ctr					
4-GG-3	Roof Flashing Mastic, Gray/Black, Homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler Other Non-Fibrous Material	 75% 10%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146265-108	NW					
4-HH-1	Roof Flashing Cap Mastic, Gray/Black, Homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 95%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-109	NW					
4-HH-2	Roof Flashing Cap Mastic, Silver/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	5% 90%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2146265-110	NW					
4-HH-3	Roof Flashing Cap Mastic, Silver/Black, Non-homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146265-111	8					
4-II-1	Concrete, Column, Gray/Beige, Non-homogeneous	LAYER 1 100%	 Quartz Non-Fibrous Mineral Binders	 65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-112	Hall					
4-II-2	Concrete, Floor Pad, Gray/Beige, Non-homogeneous	LAYER 1 100%	 Quartz Non-Fibrous Mineral Binders	 65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-113	6					
4-II-3	Concrete, Floor Pad, Gray/Black, Non-homogeneous	LAYER 1 100%	 Quartz Non-Fibrous Mineral Binders	 65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146265-114	10					
4-JJ-1	Fire Brick, Cream/Pink, Homogeneous Note: Asbestos present has been heat altered.	LAYER 1 100%	 Non-Fibrous Material	 95%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146265-115	10					
4-JJ-2	Fire Brick, Cream/Pink, Homogeneous Note: Asbestos present has been heat altered.	LAYER 1 100%	Non-Fibrous Material	95%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2146265-116	10					
4-JJ-3	Fire Brick, Gray, Homogeneous Note: Asbestos present has been heat altered.	LAYER 1 100%	Non-Fibrous Material	95%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146265

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-20-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
4	A	1	ELECTRICAL PANEL MASTIC	TAN	SOUTHWEST EXTERIOR	
↓	↓	2	↓	↓	↓	
	↓	3	↓	↓	↓	
	B	1	PAVEMENT SEAM SEALANT	BLACK	NW EXT.	
	↓	2	↓	↓	N. CTR EXT.	
	↓	3	↓	↓	E. CTR EXT.	
	C	1	EXTERIOR DUCT MASTIC	WHITE, GRAY	NORTH CTR. EXT.	
	↓	2	↓	↓	↓	
	↓	3	↓	↓	↓	
↓	D	1	CMU GROUT	RED	NW EXT.	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	[signature]	CSST	10-20-21
2.	[signature]	Lab Asst	10/22/21 0800

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Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
4	D	2	CMU GROUT	RED	NORTH CTR EXT.	
|	↓	3	↓	↓	SOUTHEAST EXTERIOR	
|	E	1	LOUVER FRAME SEALANT	WHITE	NORTHEAST EXTERIOR	
|		2	↓	↓	↓	
|	↓	3	↓	↓	↓	
|	F	1	EXT. PIPE COATING	BLACK	EAST CTR EXTERIOR	
|		2	↓	↓	↓	
|	↓	3	↓	↓	↓	
|	G	1	EXTERIOR LEVELING COMPOUND	TAN	NORTHWEST EXT. OF ROOM 8	
↓	↓	2	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

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Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
4	G	3	EXTERIOR LEVELING COMPOUND	TAN	NORTHWEST EXT. OF ROOM 8	
↓	H	1	CARPET MASTIC	TAN	HALL	
↓	↓	2	↓	↓	5	
↓	↓	3	↓	↓	7	
↓	I	1	VFT	12" WHITE TAN MASTIC	7	
↓	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	↓	
↓	J	1	WALL-BOARD	UN-FINISHED	1	
↓	↓	2	↓	↓	5	
↓	↓	3	↓	↓	3	

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Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
4	K	1	DUCT WRAP	FIBERGLASS BROWN, BLK WRAP	1	
↓	↓	2	↓	↓	5	
	↓	3	↓	↓	9	
	L	1	CP	2x4 FISSURED	HALL	
	↓	2	↓	↓	7	
	↓	3	↓	↓	3	
	M	1	DUCT WRAP	FIBERGLASS BLK PLASTIC WRAP	1	
	↓	2	↓	↓	7	
	↓	3	↓	↓	3	
↓	N	1	SLUM	BLACK	2	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

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Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
4	N	2	SUCM	BLACK	2	
↓	↓	3	↓	↓	↓	
↓	O	1	CP	2X4 FIBERGLASS	6	
↓	↓	2	↓	↓	7	
↓	↓	3	↓	↓	7	
↓	P	1	VFT	12" BROWN BLACK MASTIC	1	
↓	↓	2	↓	↓	3	
↓	↓	3	↓	↓	5	
↓	Q	1	VFT	12" BEIGE, BLACK MASTIC	4	
↓	↓	2	↓	↓	HALL	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

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Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
4	Q	3	VFT	12" BEIGE BLACK MASTIC	HALL	
	R	1	WALL-PAPER	WHITE, TAN ADHESIVE	7	
		2			3	
		3			2	
	S	1	TSI	AIR-CELL 4" PIPE RUN	7	
	T	1	TSI	DUCT WRAP WHITE, HARD PACK	10	
	U	1	TSI	8" HARD PACK RUN, GRAY	10	
	V	1	TSI	8" HARD PACK RUN, WHITE	10	
	W	1	TSI	BOILER INSULATION HARD PACK WHITE	10	
	X	1	TSI	HARD PACK ELBOW	10	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

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Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
4	Y	1	TSI	FIBERGLASS 8" RUN BLACK WRAP	10	
↓	↓	2	↓	↓	↓	
	↓	3	↓	↓		
	Z	1	BOILER ROPE GASKET	WHITE		
	↓	2	↓	↓		
	↓	3	↓	↓		
	AA	1	TSI	FIBERGLASS RUN PAPER COVER		
	↓	2	↓	↓		
	↓	3	↓	↓		
↓	BB	1	VIBRATION DAMPENER	VINYL GRAY	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

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Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
4	BB	2	VIBRATION DAMPENER	VINYL GRAY	10	
↓	↓	3	↓	↓	↓	
	CC	1	GASKETS		10	
	↓	2	↓		↓	ASSUME
	↓	3	↓		↓	
	DD	1	ROOF MEMBRANE	BLACK GRAVEL TOP	EAST	
	↓	2	↓	↓	SW	
	↓	3	↓	↓	NW	
	EE	1	ROOF PARAPET	BLK. GRAY CAPSHEET	NW	
↓	↓	2	↓	↓	WEST CTR	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 5 day

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Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
4	EE	3	ROOF PARAPET	BLACK, GRAY CAPSHEET	WEST CTR	
↓	FF	1	ROOF PEN. MASTIC	BLACK GRAY	SE	
	↓	2	↓	↓	SW	
	↓	3	↓	↓	NW	
	GG	1	ROOF FLASHING MASTIC	BLACK, GRAY	WEST CTR	
	↓	2	↓	↓	↓	
	↓	3	↓	↓	↓	
	HH	1	ROOF FLASHING CAP MASTIC	SILVER, BLACK	NW	
	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

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1.	E-A	CSST	10-20-2021
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst.	10/22/21 0800
	Signature	Title	Inclusive Dates

2146265

Asbestos Bulk Sample Log

VISTA ENVIRONMENTAL CONSULTING

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-20-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
4	II	1	CONCRETE	COLUMN	8	
↓	↓	2	↓	FLOOR PAD	HALL	
	↓	3	↓	↓	6	
	JJ	1	FIRE BRICK	RED, WHITE	10	
	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

1.	E-A	CSST	10-20-2021
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst	10/22/21 0800
	Signature	Title	Inclusive Dates

ENVIRONMENTAL LABORATORIES LLC

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Fax: 562-206-2773

Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146327

Project Number 21 0210 021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/08/2021
Date Reported 11/08/2021

Date Sampled 10/21/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 18

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146327-001	Roof- North					
5-A-1A	Roof Membrane, Gravel Top - Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix	25% <1 50%	Chrysotile	25%
	Asbestos Present: Yes		Total % Non-Asbestos:	75.0%	**Total %Asbestos:**	**25.0%**
2146327-002	Roof- North					
5-A-1B	Roof Membrane, Gravel Top - Insulation, Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Perlite Other Non-Fibrous Material	65% 25% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146327-003	Roof- Ctr					
5-A-2A	Roof Membrane, Gravel Top - Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix	25% <1 50%	Chrysotile	25%
	Asbestos Present: Yes		Total % Non-Asbestos:	75.0%	**Total %Asbestos:**	**25.0%**
2146327-004	Roof- Ctr					
5-A-2B	Roof Membrane, Gravel Top - Insulation, Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Perlite	50% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146327-005	Roof- South					
5-A-3A	Roof Membrane, Gravel Top - Layered Felt/Tar, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix	25% <1 50%	Chrysotile	25%
	Asbestos Present: Yes		Total % Non-Asbestos:	75.0%	**Total %Asbestos:**	**25.0%**
2146327-006	Roof- South					
5-A-3B	Roof Membrane, Gravel Top - Insulation, Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Perlite	50% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146327-007	Roof- North					
5-B-1	Roof Pen. Mastic, Gray/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	15% 65%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**

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Total Samples 18

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146327-008	Roof- Ctr					
5-B-2	Roof Pen. Mastic, Gray/Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146327-009	Roof- South					
5-B-3	Roof Pen. Mastic, Gray/Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146327-010	Roof- North					
5-C-1	Duct Mastic, White, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146327-011	Roof- NW					
5-C-2	Duct Mastic, White, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146327-012	Roof- SW					
5-C-3	Duct Mastic, White, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146327-013	SE					
5-D-1	CMU Grout, Beige, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	25% 45% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146327-014	NE					
5-D-2	CMU Grout, Beige, Non-homogeneous	LAYER 1			None Detected	
		100%	Calcium Carbonate	25%		
			Quartz	45%		
			Other Non-Fibrous Material	30%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146327-015	W Ctr					
5-D-3	CMU Grout, Beige, Non-homogeneous	LAYER 1			None Detected	
		100%	Quartz	65%		
			Mineral Binders/Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146327-016	1					
5-E-1	Electrical Box Backing Panel, Black, Non-homogeneous	LAYER 1	Fibrous Glass	40%	None Detected	
		100%	Binder/Filler	60%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146327-017	1					
5-E-2	Electrical Box Backing Panel, Black, Non-homogeneous	LAYER 1	Fibrous Glass	40%	None Detected	
		100%	Binder/Filler	60%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146327-018	1					
5-E-3	Electrical Box Backing Panel, Black, Non-homogeneous	LAYER 1	Fibrous Glass	40%	None Detected	
		100%	Binder/Filler	60%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146327

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-21-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5	A	1	ROOF MEMBRANE	BLACK GRAVEL TOP	ROOF NORTH	
↓	↓	2	↓	↓	CTR	
	↓	3	↓	↓	SOUTH	
	B	1	ROOF REV. MASTIC	BLACK	NORTH	
	↓	2	↓	↓	CTR	
	↓	3	↓	↓	SOUTH	
	C	1	DUCT MASTIC	WHITE	NORTH	
	↓	2	↓	↓	NW	
	↓	3	↓	↓	SW	
↓	D	1	CMU GROUT	GRAY	SE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

1.	E. Ac	CSST	10-21-2021
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst.	10/28/21 08:48
	Signature	Title	Inclusive Dates

2146327

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-21-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5	D	2	CMU GROUT	GRAY	NE	
↓		3	↓	↓	W. CTR	
	E	1	ELECTRICAL BOX BACKING PANEL	BLACK	1	
	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	E.A.	CSST	10-21-2021
2.	[signature]	Lab Asst.	10/28/21 08:48

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Report Number 2146334

Project Number 21 0210 021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/04/2021
Date Reported 11/04/2021

Date Sampled 10/21/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 69

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146334-001	1					
6-A-1	CP, 2x4 Fissured, White/Beige, Non-homogeneous	LAYER 1 100%	Mineral Wool Cellulose Fiber Perlite Binder/Filler	30% 20% 45% 5%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-002	Hall					
6-A-2	CP, 2x4 Fissured, White/Beige, Non-homogeneous	LAYER 1 100%	Mineral Wool Cellulose Fiber Perlite Binder/Filler	30% 20% 45% 5%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-003	2					
6-A-3	CP, 2x4 Fissured, White/Beige, Non-homogeneous	LAYER 1 100%	Mineral Wool Cellulose Fiber Perlite Binder/Filler	30% 20% 45% 5%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-004	1					
6-B-1	Plaster, Sand Finish Ceiling, Gray/White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	30% 45% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-005	1					
6-B-2	Plaster, Sand Finish Ceiling, Gray/White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	30% 45% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146334-006	1					
6-B-3	Plaster, Sand Finish Ceiling, Gray/White, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	30% 45% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-007	1					
6-C-1	Plaster, Sand Finish Wall, Beige/Gray, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	35% 45% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-008	1					
6-C-2	Plaster, Sand Finish Wall, Cream/Gray, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	35% 45% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-009	1					
6-C-3	Plaster, Sand Finish Wall, Green/Gray, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	30% 45% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-010	1					
6-D-1	LAYER 1 WBJC, Smooth Finish Wall - WB, White/Brown	LAYER 1 85%	Cellulose Fiber Gypsum/Filler	25% 75%	None Detected	
	LAYER 2 JC, Beige, Non-homogeneous	LAYER 2 15%	Gypsum Binder/Filler	40% 60%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146334-011	4					
6-D-2	LAYER 1	LAYER 1	Cellulose Fiber	30%	None Detected	
	WBJC, Smooth Finish Wall - WB, White/Brown	90%	Gypsum/Filler	70%		
	LAYER 2	LAYER 2			Chrysotile	<1%
	JC, Beige, Non-homogeneous	10%	Calcium Carbonate	75%		
			Mica	10%		
			Binder/Filler	15%		
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
2146334-012	4					
6-D-3	LAYER 1	LAYER 1	Cellulose Fiber	30%	None Detected	
	WBJC, Smooth Finish Wall - WB, White/Brown	85%	Gypsum/Filler	70%		
	LAYER 2	LAYER 2			Chrysotile	<1%
	JC, Beige, Non-homogeneous	15%	Calcium Carbonate	75%		
			Mica	10%		
			Binder/Filler	15%		
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**
2146334-013	1					
6-E-1A	VFT, 12", Brown, Non-homogeneous	LAYER 1	Synthetic Fiber	2%	None Detected	
		100%	Calcium Carbonate	58%		
			Vinyl Binder/ Filler	40%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-014	1					
6-E-1B	Mastic, Black, Homogeneous	LAYER 1			Chrysotile	4%
		100%	Bituminous Matrix/Filler	96%		
	Asbestos Present: Yes		Total % Non-Asbestos:	96.0%	**Total %Asbestos:**	**4.0%**
2146334-015	4					
6-E-2A	VFT, 12", Brown, Homogeneous	LAYER 1			Chrysotile	10%
		100%	Calcium Carbonate	50%		
			Vinyl Binder/ Filler	40%		
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146334-016	4					
6-E-2B	Mastic, Black, Homogeneous	LAYER 1			None Detected	
		100%	Bituminous Material	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-017	5					
6-E-3A	VFT, 12", Brown, Homogeneous	LAYER 1			Chrysotile	10%
		100%	Calcium Carbonate	50%		
			Vinyl Binder/ Filler	40%		
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146334-018	5					
6-E-3B	Mastic, Black, Homogeneous	LAYER 1			None Detected	
		100%	Bituminous Material	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-019	4					
6-F-1	CT, 1x1 Fissured, White/Beige, Non-homogeneous	LAYER 1	Mineral Wool	35%	None Detected	
		100%	Cellulose Fiber	20%		
			Perlite	35%		
			Binder/Filler	10%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-020	4					
6-F-2	CT, 1x1 Fissured, White/Beige, Non-homogeneous	LAYER 1	Mineral Wool	35%	None Detected	
		100%	Cellulose Fiber	20%		
			Perlite	35%		
			Binder/Filler	10%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-021	4					
6-F-3	CT, 1x1 Fissured, White/Beige, Non-homogeneous	LAYER 1	Mineral Wool	35%	None Detected	
		100%	Cellulose Fiber	20%		
			Perlite	35%		
			Binder/Filler	10%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/04/2021
Date Reported 11/04/2021

Date Sampled 10/21/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 69

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146334-022	5					
6-G-1A	BC, 4", Black, Homogeneous	LAYER 1			None Detected	
		100%	Calcium Carbonate	35%		
			Vinyl Binder/ Filler	65%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-023	5					
6-G-1B	Mastic, Brown/Beige, Homogeneous	LAYER 1			None Detected	
		100%	Adhesive Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-024	5					
6-G-2A	BC, 4", Black, Homogeneous	LAYER 1			None Detected	
		100%	Calcium Carbonate	35%		
			Vinyl Binder/ Filler	65%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-025	5					
6-G-2B	Mastic, Beige/Brown, Homogeneous	LAYER 1			None Detected	
		100%	Adhesive Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-026	4					
6-G-3A	BC, 4", Black, Homogeneous	LAYER 1			None Detected	
		100%	Calcium Carbonate	35%		
			Vinyl Binder/ Filler	65%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-027	4					
6-G-3B	Mastic, Beige/Brown, Non-homogeneous	LAYER 1			None Detected	
		100%	Adhesive Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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1054 N Tustin Avenue
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Report Number 2146334

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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146334-028	Roof- NW					
6-H-1	Roof Membrane, Gravel Top, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	5% 95%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-029	Roof- NE					
6-H-2	Roof Membrane, Gravel Top, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	5% 95%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-030	Roof- SE					
6-H-3	Roof Membrane, Gravel Top, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	5% 95%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-031	Roof- SE					
6-I-1A	Roof Curb - Capsheet, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	10% 65% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-032	Roof- SE					
6-I-1B	Roof Curb - Layered Felt/Tar, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-033	Roof- NE					
6-I-2A	Roof Curb - Capsheet, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	10% 65% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146334-034	Roof- NE					
6-I-2B	Roof Curb - Layered Felt/tar, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-035	Roof- NW					
6-I-3A	Roof Curb - Capsheet, White/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	10% 65% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-036	Roof- NW					
6-I-3B	Roof Curb - Layered Felt/tar, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-037	Roof- NW					
6-J-1	Roof Pen. Mastic, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-038	Roof- NE					
6-J-2	Roof Pen. Mastic, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-039	Roof- SE					
6-J-3	Roof Pen. Mastic, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146334-040	Roof- SE					
6-K-1	Roof Duct Mastic, White, Non-homogeneous	LAYER 1 100%	 Non-Fibrous Material	 100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-041	Roof- SE					
6-K-2	Roof Duct Mastic, White, Non-homogeneous	LAYER 1 100%	 Non-Fibrous Material	 100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-042	Roof- SE					
6-K-3	Roof Duct Mastic, White, Non-homogeneous	LAYER 1 100%	 Non-Fibrous Material	 100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-043	Roof- SE					
6-L-1	Flashing Mastic, Gray/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-044	Roof- NE					
6-L-2	Flashing Mastic, Gray/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-045	Roof- NW					
6-L-3	Flashing Mastic, Gray/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-046	Roof- SE					
6-M-1	Pitch Pocket Mastic, Gray/Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146334-047	Roof- SE					
6-M-2	Pitch Pocket Mastic, Gray/Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-048	Roof- SE					
6-M-3	Pitch Pocket Mastic, Gray/Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-049	South					
6-N-1	CMU Grout, Gray, Non-homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	50% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-050	West					
6-N-2	CMU Grout, Gray, Non-homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	50% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-051	North					
6-N-3	CMU Grout, Gray, Non-homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	50% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-052	1					
6-O-1	Duct Wrap, Fiberglass, Yellow/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Binder/Filler	90% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146334-053	1					
6-O-2	Duct Wrap, Fiberglass, Yellow/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Binder/Filler	90% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-054	4					
6-O-3	Duct Wrap, Fiberglass, Yellow/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Binder/Filler	90% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-055						
6-P-1A	BC, 4", Brown, Non-homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-056						
6-P-1B	Mastic, Brown, Non-homogeneous	LAYER 1 100%	Wollastonite Adhesive Binders/Filler	3% 97%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-057						
6-P-2A	BC, 4", Brown, Non-homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-058						
6-P-2B	Mastic, Brown, Non-homogeneous	LAYER 1 100%	Wollastonite	5%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-059						
6-P-3A	BC, 4", Brown, Non-homogeneous	LAYER 1 100%	Vinyl Binder/ Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146334-060						
6-P-3B	Mastic, Brown, Homogeneous	LAYER 1 100%	Wollastonite Adhesive Binders/Filler	5% 95%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-061	Roof- NW					
6-Q-1	Roof Flashing Sealant, White, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-062	Roof- NW					
6-Q-2	Roof Flashing Sealant, White, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-063	Roof- NE					
6-Q-3	Roof Flashing Sealant, White, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-064	6					
6-R-1	Concrete, Floor Pad, Gray, Non-homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-065	3					
6-R-2	Concrete, Floor Pad, Gray, Non-homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Total Samples 69

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146334-066	4					
6-R-3	Concrete, Floor Pad, Gray, Non-homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-067	Ext- SE					
6-S-1	Window Frame Sealant, Black (Dk. Brown), Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-068	Ext- SE					
6-S-2	Window Frame Sealant, Black (Dk. Brown), Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146334-069	Ext- SE					
6-S-3	Window Frame Sealant, Black (Dk. Brown), Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146334

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-21-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
6	A	1	GP	2X4 FISSURED	1	
↓	↓	2	↓	↓	HALL	
↓	↓	3	↓	↓	2	
↓	B	1	PLASTER	SAND FINISH CEILING	1	
↓	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	↓	
↓	C	1	PLASTER	SAND FINISH WALL	1	
↓	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	↓	
↓	D	1	WBSC	SMOOTH FINISH WALL	1	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	E. A.	CSST	10-21-2021
2.	[signature]	LAB ASST	10/28/21 08:48

2146334

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-21-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
6	D	2	WBJC	SMOOTH FINISH WALL	4	
↓	↓	3	↓	↓	↓	
↓	E	1	VFT	12" BROWN BLACK MASTIC	1	
↓	↓	2	↓	↓	4	
↓	↓	3	↓	↓	5	
↓	F	1	GT	1X1 FISSURED	4	
↓	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	↓	
↓	G	1	BC	4" BLACK TAN MASTIC	5	
↓	↓	2	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	EA	CSST	10-21-2021
2.	[signature]	Lab Asst.	10/28/21 08:48

2146334

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-21-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
6	G	3	BC	4" BLACK TAN MASTIC	4	
|	H	1	ROOF MEMBRANE	GRAVEL TOP BLACK	ROOF -NW	
|	↓	2	↓	↓	-NE	
|	↓	3	↓	↓	- SE	
|	I	1	ROOF CURB	BLACK, GRAY CAPSHEET	- SE	
|	↓	2	↓	↓	-NE	
|	↓	3	↓	↓	-NW	
|	J	1	ROOF PEN. MASTIC	BLACK, GRAY	- NW	
|	↓	2	↓	↓	-NE	
↓	↓	3	↓	↓	↓ -SE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: **(714) 746-7644**

Special Instructions:

CHAIN OF CUSTODY:

1.	E-Acuna	CSST	10-21-2021
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst.	10/28/21 08:48
	Signature	Title	Inclusive Dates

2146334

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-21-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
6	K	1	ROOF DUCT MASTIC	TAN	ROOF -SE	
↓	↓	2	↓	↓	-SE	
	↓	3	↓	↓	-SE	
	L	1	FLASHING MASTIC	BLACK	-SE	
	↓	2	↓	↓	-NE	
	↓	3	↓	↓	-NW	
	M	1	PITCH POCKET MASTIC	BLACK	-SE	
	↓	2	↓	↓	-SE	
	↓	3	↓	↓	↓ -SE	
↓	N	1	CMU GROUT	GRAY	SOUTH	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	E. Acuna	CSST	10-21-2021
2.	[signature]	Lab Asst.	10/28/21 08:48

2146334

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Client: Leighton **Date:** 10-21-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
6	N	2	CMU GROUT	GRAY	WEST	
↓	↓	3	↓	↓	NORTH	
↓	O	1	DUCT WRAP	FIBER GLASS	1	
↓	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	4	
↓	P	1	BC	4" BROWN BROWN MASTIC		
↓	↓	2	↓	↓		
↓	↓	3	↓	↓		
↓	Q	1	ROOF FLASHING SEALANT	WHITE	ROOF NW	
↓	↓	2	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	[signature]	CSST	10-21-2021
2.	[signature]	Lab Asst.	10/28/21 08:48

2146334

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Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-21-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
6	Q	3	ROOF FLASHING SEALANT	WHITE	ROOF -NE	
"	R	1	CONCRETE	FLOOR PAD - GRAY	6	
"	"	2	"	"	3	
"	"	3	"	WALL - GRAY	4	
"	S	1	WINDOW FRAME SEALANT	BLACK	EXT. SE	
"	"	2	"	"	"	
"	"	3	"	"	"	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	E-Ac	CSST	10-21-2021
2.	[signature]	Lab Asst.	10/28/21 08:48

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Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146522

Project Number 21 0210 021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number PLM Ref. #2146334
WO Number

Date Received 11/15/2021
Date Analyzed 11/17/2021
Date Reported 11/17/2021

Date Sampled 10/21/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 2

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146522-001	4					
6-D-2	JC, Beige, Non-homogeneous	LAYER 1			Chrysotile	0.73%
		100%	Acid Soluble Material	61.19%		
			Organic/Volatile Material	9.68%		
			Non-Asbestos Residue	28.39%		
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.27%	**Total %Asbestos:**	**0.73%**
2146522-002	4					
6-D-3	JC, Beige, Non-homogeneous	LAYER 1			Chrysotile	0.59%
		100%	Acid Soluble Material	64.13%		
			Organic/Volatile Material	14.45%		
			Non-Asbestos Residue	20.82%		
1000 pt. POINT COUNT						
	Asbestos Present: Yes		Total % Non-Asbestos:	99.41%	**Total %Asbestos:**	**0.59%**

Note: EPA 400 point count extended to 1000 points to meet the Cal OSHA regulatory limit of 0.10%.

Method Detection Limit: One tenth of one percent (0.10%). Asbestos content has been determined using the point count method. Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

Point Count was used in laboratory analysis.

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Report Number 2146331

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/03/2021
Date Reported 11/03/2021

Date Sampled 10/28/2021
Sampled By Acuna
Total Samples 36

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146331-001	Roof- SE					
7-A-1A	Roof Shingles, Red/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	15% 60% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-002	Roof- SE					
7-A-1B	Felt, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	80% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-003	Roof- NE					
7-A-2A	Roof Shingles, Red/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	15% 60% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-004	Roof- NE					
7-A-2B	Felt, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	80% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-005	Roof- NW					
7-A-3A	Roof Shingles, Red/Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler Other Non-Fibrous Material	15% 60% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-006	Roof- NW					
7-A-3B	Felt, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	80% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Date Sampled 10/28/2021
Sampled By Acuna
Total Samples 36

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146331-007	NW					
7-B-1	Window Putty, Gray, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	85% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-008	NE					
7-B-2	Window Putty, Gray, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	85% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-009	SE					
7-B-3	Window Putty, Gray, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	85% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-010	NW					
7-C-1	Window Frame Sealant, Tan/Green, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	55% 40%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2146331-011	NE					
7-C-2	Window Frame Sealant, Tan/Green, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	55% 40%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2146331-012	SW					
7-C-3	Window Frame Sealant, Tan/Green, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	55% 40%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**

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Total Samples 36

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146331-013	2					
7-D-1	WBJC Unfinished, White/Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Gypsum/Filler	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-014	2					
7-D-2	WBJC Unfinished, White/Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Gypsum/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-015	1					
7-D-3	WBJC Unfinished, White/Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Gypsum/Filler	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-016	HVAC Closet					
7-E-1	Cement Wall Panel, Gray, Non-homogeneous	LAYER 1 100%	 Mineral Binders/Filler	 85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146331-017	3					
7-E-2	Cement Wall Panel, Gray, Non-homogeneous	LAYER 1 100%	 Mineral Binders/Filler	 85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146331-018	1					
7-E-3	Cement Wall Panel, Gray, Non-homogeneous	LAYER 1 100%	 Mineral Binders/Filler	 85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146331-019	1					
7-F-1A	12" VFT, Brown, Homogeneous	LAYER 1 100%	Cellulose Fiber Calcium Carbonate Vinyl Binder/ Filler	5% 60% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Total Samples 36

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146331-020	1					
7-F-1B	Mastic, Black, Homogeneous	LAYER 1	Cellulose Fiber	5%	None Detected	
		100%	Calcium Carbonate	60%		
			Vinyl Binder/ Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-021	1					
7-F-2A	12" VFT, Brown, Homogeneous	LAYER 1	Cellulose Fiber	5%	None Detected	
		100%	Calcium Carbonate	60%		
			Vinyl Binder/ Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-022	1					
7-F-2B	Mastic, Black, Homogeneous	LAYER 1			None Detected	
		100%	Adhesive Binders/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-023	Closet					
7-F-3A	12" VFT, Brown, Homogeneous	LAYER 1	Cellulose Fiber	5%	None Detected	
		100%	Calcium Carbonate	60%		
			Vinyl Binder/ Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-024	Closet					
7-F-3B	Mastic, Black, Non-homogeneous	LAYER 1			None Detected	
		100%	Bituminous Matrix/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-025	2					
7-G-1A	12" VFT, White, Homogeneous	LAYER 1			Chrysotile	4%
		100%	Calcium Carbonate	56%		
			Vinyl Binder/ Filler	40%		
	Asbestos Present: Yes		Total % Non-Asbestos:	96.0%	**Total %Asbestos:**	**4.0%**

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Project Number 210210021
Project Name Leighton
Location March ARB
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Date Received 10/28/2021
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Date Sampled 10/28/2021
Sampled By Acuna
Total Samples 36

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146331-026	2					
7-G-1B	Mastic, Black, Homogeneous	LAYER 1			None Detected	
		100%	Bituminous Matrix/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-027	2					
7-G-2A	12" VFT, White, Homogeneous	LAYER 1			Chrysotile	4%
		100%	Calcium Carbonate	56%		
			Vinyl Binder/ Filler	40%		
	Asbestos Present: Yes		Total % Non-Asbestos:	96.0%	**Total %Asbestos:**	**4.0%**
2146331-028	2					
7-G-2B	Mastic, Black, Homogeneous	LAYER 1	Cellulose Fiber	5%	None Detected	
		100%	Fibrous Glass	5%		
			Bituminous Matrix/Filler	90%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-029	2					
7-G-3A	12" VFT, White, Homogeneous	LAYER 1			Chrysotile	4%
		100%	Calcium Carbonate	56%		
			Vinyl Binder/ Filler	40%		
	Asbestos Present: Yes		Total % Non-Asbestos:	96.0%	**Total %Asbestos:**	**4.0%**
2146331-030	2					
7-G-3B	Mastic, Black, Non-homogeneous	LAYER 1			None Detected	
		100%	Bituminous Matrix/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-031	Dog Kennels					
7-H-1	Exterior Pavement Seam Caulking, White, Non-homogeneous	LAYER 1			None Detected	
		100%	Non-Fibrous Material	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Date Sampled 10/28/2021
Sampled By Acuna
Total Samples 36

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146331-032	Dog Kennels					
7-H-2	Exterior Pavement Seam Caulking, White, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-033	Dog Kennels					
7-H-3	Exterior Pavement Seam Caulking, White, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-034	Dog Kennels					
7-I-1	CMU Grout, Gray, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	20% 55% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-035	Dog Kennels					
7-I-2	CMU Grout, Gray, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	20% 55% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146331-036	Dog Kennels					
7-I-3	CMU Grout, Gray, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	20% 55% 25%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Total Samples 36

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146331

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☐ Anaheim ☐ San Diego

Client: LEIGHTON Date: 10-28-21

Site/Location: MARCH AFB Project Number: 21021002 1

Sampled By: AWNA CAC/CSST Number: 18-6186

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
7	A	1	ROOF SHINGLES	RED, BLACK BLACK FELT PAPER	ROOF - SE	
↓	↓	2	↓	↓	↓ - NE	
↓	↓	3	↓	↓	↓ - NW	
↓	B	1	WINDOW PUTTY	GRAY	- NW	
↓	↓	2	↓	↓	- NE	
↓	↓	3	↓	↓	- SE	
↓	C	1	WINDOW FRAME	TAN	- NW	
↓	↓	2	SEALANT	↓	- NE	
↓	↓	3	↓	↓	- SW	
↓	D	1	WOOD	UNFINISHED 2		

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day ~~5DA~~

Data Sent To: **Via E-Mail:**

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

1. E-Au — CSST — 10-28-2021
   Signature / Title / Inclusive Dates
2. [signature] — Lab Asst. — 10/28/21 08:48
   Signature / Title / Inclusive Dates

2146331

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON Date: 10-28-2021

Site/Location: MARCH AIRB Project Number: 21021002 1

Sampled By: ACUNA CAC/CSST Number: 18-6136

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
7	D	2	WPSC	UN-FINISHED	2	
↓	↓	3	↓	↓	1	
	E	1	CEMENTI WALL PANEL	GRAY	HVAC CLOSET	
	↓	2	↓	↓	3	
	↓	3	↓	↓	1	
	F	1	VFT	12" RED, BLACK MASTIC	1	
	↓	2	↓	↓	1	
	↓	3	↓	↓	CLOSET	
	G	1	VFT	12" WHITE BLACK MASTIC	2	
↓	↓	2	↓	↓	2	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day 5DAY

Data Sent To: **Via E-Mail:**

Special Instructions:

CHAIN OF CUSTODY:

1.	Signature	CSST Title	10-28-21 Inclusive Dates
2.	Signature	Lab Asst. Title	10/28/21 08:48 Inclusive Dates

2146331

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON Date: 10-28-2021

Site/Location: MARCH ARB Project Number: 210210021

Sampled By: ACUNA CAC/CSST Number: 18-61986

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
7	G	3	VFT	12" WHITE BLACK MASTIC	2	
↓	H	1	EXTERIOR PAVEMENT SEAM	WHITE	DOG KENNELS	
	↓	2	CAULKING	↓	↓	
	↓	3	↓	↓		
	I	1	CMU GROUT	GRAY		
	↓	2	↓	↓		
↓	↓	3	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day (5DAY)

Data Sent To: **Via E-Mail:**

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.		CSST	10-28-21
2.		LAB ASST.	10/28/21 08:48

ENVIRONMENTAL LABORATORIES LLC

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Fax: 562-206-2773

Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146328

Project Number 21 0210 021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/08/2021
Date Reported 11/08/2021

Date Sampled 10/25/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 9

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146328-001	Bunker Roof- NE					
5022-A-1	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	25% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146328-002	Bunker Roof- SE					
5022-A-2	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	25% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146328-003	Bunker Roof- West					
5022-A-3	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	25% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146328-004	Bunker Roof- NE					
5022-B-1	Bunker Seam Caulking, Black/Gray, Non-homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146328-005	Bunker Roof- East					
5022-B-2	Bunker Seam Caulking, Black/Gray, Non-homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146328-006	Bunker Roof- SE					
5022-B-3	Bunker Seam Caulking, Black/Gray, Non-homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146328-007	NE					
5022-C-1	Exterior Vent Sealant, Gray, Non-homogeneous	LAYER 1 100%	 Non-Fibrous Material	 100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Fax: 562-206-2773

Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146328

Project Number 21 0210 021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/08/2021
Date Reported 11/08/2021

Date Sampled 10/25/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 9

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146328-008	NE					
5022-C-2	Exterior Vent Sealant, Gray, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146328-009	SE					
5022-C-3	Exterior Vent Sealant, Gray, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146328

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-25-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5022	A	1	WATER-PROOFING	BLACK	BUNKER ROOF - NE	
↓	↓	2	↓	↓	- SE	
	↓	3	↓	↓	- WEST	
	B	1	BUNKER SEAM CAULKING	BLACK, GRAY	- NE	
	↓	2	↓	↓	- EAST	
	↓	3	↓	↓	↓ - SE	
	C	1	EXTERIOR VENT SEALANT	SILICONE, GRAY	- NE	
	↓	2	↓	↓	- NE	
↓	↓	3	↓	↓	- SE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	EA	CSST	10-25-21
2.	[signature]	Lab Asst	10/28/21 08:48

ENVIRONMENTAL LABORATORIES LLC

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Fax: 562-206-2773

Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146325

Project Number 21 0210 021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/08/2021
Date Reported 11/08/2021

Date Sampled 10/25/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 9

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146325-001	Bunker Roof- NE					
5023-A-1	Waterproofing, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Quartz Bituminous Matrix/Filler	<1% 10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146325-002	Bunker Roof- SE					
5023-A-2	Waterproofing, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Quartz Bituminous Matrix/Filler	<1% <1 10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146325-003	Bunker Roof- West					
5023-A-3	Waterproofing, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Quartz Bituminous Matrix/Filler	<1% <1 10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146325-004	Bunker Roof- NE					
5023-B-1	Bunker Seam Caulking, Black/Gray, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146325-005	Bunker Roof- East					
5023-B-2	Bunker Seam Caulking, Black/Gray, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146325-006	Bunker Roof- SE					
5023-B-3	Bunker Seam Caulking, Black/Gray, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/filler	95%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**

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Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146325

Project Number 21 0210 021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/08/2021
Date Reported 11/08/2021

Date Sampled 10/25/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 9

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146325-007	NE					
5023-C-1	Exterior Vent Sealant, Gray, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146325-008	NE					
5023-C-2	Exterior Vent Sealant, Gray, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146325-009	SE					
5023-C-3	Exterior Vent Sealant, Gray, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146325

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-25-21

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5023	A	1	WATER-PROOFING	BLACK	BUNKER ROOF -NE	
↓	↓	2	↓	↓	-SE	
	↓	3	↓	↓	-WEST	
	B	1	BUNKER SEAM CAULKING	BLACK, GRAY	-NE	
	↓	2	↓	↓	-EAST	
	↓	3	↓	↓	↓ -SE	
	C	1	EXTERIOR VENT SEALANT	SILICONE, GRAY	-NE	
		2	↓	↓	-NE	
↓	↓	3	↓	↓	-SE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

1. E-A — CSST — 10-25-21
   Signature / Title / Inclusive Dates

2. [signature] — Lab Asst. — 10/28/21 08:48
   Signature / Title / Inclusive Dates

ENVIRONMENTAL LABORATORIES LLC

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Tel: 562-206-2770
Fax: 562-206-2773

Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146326

Project Number 21 0210 021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/08/2021
Date Reported 11/08/2021

Date Sampled 10/25/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146326-001	Bunker Roof- NE					
5024-A-1	Waterproofing, Black/Brown, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146326-002	Bunker Roof- SE					
5024-A-2	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Binder/Filler	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146326-003	Bunker Roof- West					
5024-A-3	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146326-004	Bunker Roof- NE					
5024-B-1	Bunker Seam Caulking, Gray/Black, Non-homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146326-005	Bunker Roof- East					
5024-B-2	Bunker Seam Caulking, Gray/Black, Non-homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146326-006	Bunker Roof- SE					
5024-B-3	Bunker Seam Caulking, Gray/Black, Non-homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146326-007	NE					
5024-C-1	Exterior Vent Sealant, Gray, Non-homogeneous	LAYER 1 100%	 Non-Fibrous Material	 100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Attn.: Andrew Schmidt

Report Number 2146326

Project Number 21 0210 021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/08/2021
Date Reported 11/08/2021

Date Sampled 10/25/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146326-008	NE					
5024-C-2	Exterior Vent Sealant, Gray, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146326-009	SE					
5024-C-3	Exterior Vent Sealant, Gray, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146326-010	NE					
5024-D-1	Electrical Panel Caulking, Black, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146326-011	NE					
5024-D-2	Electrical Panel Caulking, Black, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146326-012	NE					
5024-D-3	Electrical Panel Caulking, Black, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146326

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-25-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5024	A	1	WATER-PROOFING	BLACK	BUNKER ROOF - NE	
↓	↓	2	↓	↓	-SE	
	↓	3	↓	↓	-WEST	
	B	1	BUNKER SEAM CAULKING	BLACK, GRAY	- NE	
	↓	2	↓	↓	-EAST	
	↓	3	↓	↓	↓ -SE	
	C	1	EXTERIOR VENT SEALANT	SILICONE, GRAY	-NE	
	↓	2	↓	↓	-NE	
	↓	3	↓	↓	-SE	
↓	D	1	ELECTRICAL PANEL CAULKING	BLACK	- NE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: **(714) 746-7644**

Special Instructions:

CHAIN OF CUSTODY:

1.	E-A-	CSST	10-25-21
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst.	10/28/21 08:48
	Signature	Title	Inclusive Dates

2146326

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-25-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5024	D	2	ELECTRICAL PANEL CAULKING	BLACK	-NE	
↓	↓	3	↓	↓	-NE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

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2.	[signature]	Lab Asst.	10/28/21 08:48
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Fax: 562-206-2773

Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146323

Project Number 21 0210 021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled
Sampled By E. Acuna/Y. Schmidt
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146323-001	Bunker Roof- NE					
5025-A-1	Waterproofing, Black/Brown, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	3% 97%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146323-002	Bunker Roof- SE					
5025-A-2	Waterproofing, Black/Brown, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	35% 65%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146323-003	Bunker Roof- West					
5025-A-3	Waterproofing, Black/Brown, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146323-004	Bunker Roof- NE					
5025-B-1	Bunker Seam Caulking, Gray/Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146323-005	Bunker Roof- East					
5025-B-2	Bunker Seam Caulking, Gray/Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	5% 75%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146323-006	Bunker Roof- SE					
5025-B-3	Bunker Seam Caulking, Gray/Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	10% 70%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146323-007	Bunker Roof- NE					
5025-C-1	Exterior Vent Sealant, Colorless, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Report Number 2146323

Project Number 21 0210 021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
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Date Sampled
Sampled By E. Acuna/Y. Schmidt
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146323-008	Bunker Roof- NE					
5025-C-2	Exterior Vent Sealant, Colorless, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146323-009	Bunker Roof- SW					
5025-C-3	Exterior Vent Sealant, Colorless, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146323-010	NE					
5025-D-1	Electrical Panel Caulking, Black/Brown, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler	90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146323-011	NE					
5025-D-2	Electrical Panel Caulking, Black/Brown, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler	85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146323-012	NE					
5025-D-3	Electrical Panel Caulking, Black/Brown, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler	85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146323

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:**

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5025	A	1	WATER-PROOFING	BLACK	BUNKER ROOF -NE	
↓	↓	2	↓	↓	-SE	
	↓	3	↓	↓	-WEST	
	B	1	BUNKER SEAM CAULKING	BLACK, GRAY	-NE	
	↓	2	↓	↓	-EAST	
	↓	3	↓	↓	-SE	
	C	1	EXTERIOR VENT SEALANT	SILICONE, GRAY	-NE	
	↓	2	↓	↓	-NE	
	↓	3	↓	↓	↓ -SW	
↓	D	1	ELECTRICAL PANEL CAULKING	BLACK	-NE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

1.	E-A	CSST	10-25-21
	Signature	Title	Inclusive Dates
2.		Lab Asst	10/28/21 08:48
	Signature	Title	Inclusive Dates

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VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

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Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5025	D	2	ELECTRICAL PANEL CAULKING	BLACK	-NE	
↓	↓	3	↓	↓	-NE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

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Report Number 2146324

Project Number 21 0210 021
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Date Sampled 10/25/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146324-001	Bunker Roof- NE					
5026-A-1	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Quartz Bituminous Matrix/Filler	10% 90%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146324-002	Bunker Roof- SE					
5026-A-2	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Quartz Bituminous Matrix/Filler	25% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146324-003	Bunker Roof- West					
5026-A-3	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Quartz Bituminous Matrix/Filler	25% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146324-004	Bunker Roof- NE					
5026-B-1	Bunker Seam Caulking, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	25% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146324-005	Bunker Roof- East					
5026-B-2	Bunker Seam Caulking, Gray/Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146324-006	Bunker Roof- SE					
5026-B-3	Bunker Seam Caulking, Gray/Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**

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Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146324-007	NE					
5026-C-1	Exterior Vent Sealant, Gray, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146324-008	NE					
5026-C-2	Exterior Vent Sealant, Gray, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146324-009	SE					
5026-C-3	Exterior Vent Sealant, Gray, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146324-010	NE					
5026-D-1	Electrical Panel Caulking, Black, Non-homogeneous	LAYER 1 100%	Binder/Filler	80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146324-011	NE					
5026-D-2	Electrical Panel Caulking, Black, Non-homogeneous	LAYER 1 100%	Binder/Filler	80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146324-012	NE					
5026-D-3	Electrical Panel Caulking, Black, Non-homogeneous	LAYER 1 100%	Binder/Filler	80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**

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Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146324

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-25-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5026	A	1	WATER-PROOFING	BLACK	BUNKER ROOF -NE	
↓	↓	2	↓	↓	-SE	
	↓	3	↓	↓	-WEST	
	B	1	BUNKER SEAM CAULKING	BLACK, GRAY	-NE	
	↓	2	↓	↓	-EAST	
	↓	3	↓	↓	↓ -SE	
	C	1	EXTERIOR VENT SEALANT	SILICONE, GRAY	-NE	
	↓	2	↓	↓	-NE	
	↓	3	↓	↓	-SE	
↓	D	1	ELECTRICAL PANEL CAULKING	BLACK	-NE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

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CHAIN OF CUSTODY:

1.	E-A~	CSST	10-25-21
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst.	10/28/21 08:48
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2146324

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Asbestos Bulk Sample Log

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Client: Leighton **Date:** 10-25-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

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Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5026	D	2	ELECTRICAL PANEL CAULKING	BLACK	-NE	
↓	↓	3	↓	↓	-NE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

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Date Sampled 10/25/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146329-001	Roof Bunker- NE					
5027-A-1	Waterproofing, Black, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	40%		
			Bituminous Matrix/Filler	60%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146329-002	Roof Bunker- SE					
5027-A-2	Waterproofing, Black, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	20%		
			Bituminous Matrix/Filler	80%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146329-003	Roof Bunker- West					
5027-A-3	Waterproofing, Black, Non-homogeneous	LAYER 1			Chrysotile	25%
		100%	Bituminous Matrix/Filler	75%		
	Asbestos Present: Yes		Total % Non-Asbestos:	75.0%	**Total %Asbestos:**	**25.0%**
2146329-004	Roof Bunker- NE					
5027-B-1	Bunker Seam Caulking, Black, Non-homogeneous	LAYER 1	Cellulose Fiber	35%	None Detected	
		100%	Fibrous Glass	10%		
			Bituminous Matrix/Filler	55%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146329-005	Roof Bunker- East					
5027-B-2	Bunker Seam Caulking, Black, Non-homogeneous	LAYER 1			Chrysotile	15%
		100%	Bituminous Matrix/Filler	85%		
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146329-006	Roof Bunker- SE					
5027-B-3	Bunker Seam Caulking, Black, Non-homogeneous	LAYER 1			Chrysotile	15%
		100%	Bituminous Matrix/Filler	85%		
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146329-007	NE					
5027-C-1	Exterior Vent Sealant, Gray, Non-homogeneous	LAYER 1			None Detected	
		100%	Non-Fibrous Material	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146329-008	NE					
5027-C-2	Exterior Vent Sealant, Gray, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146329-009	SE					
5027-C-3	Exterior Vent Sealant, Gray, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146329-010	NE					
5027-D-1	Electrical Panel Caulking, Black, Non-homogeneous	LAYER 1 100%	Binder/Filler	80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146329-011	NE					
5027-D-2	Electrical Panel Caulking, Black, Non-homogeneous	LAYER 1 100%	Binder/Filler	80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146329-012	NE					
5027-D-3	Electrical Panel Caulking, Black, Non-homogeneous	LAYER 1 100%	Binder/Filler	80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146329

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-25-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5027	A	1	WATER-PROOFING	BLACK	ROOF BUNKER -NE	
↓	↓	2	↓	↓	-SE	
	↓	3	↓	↓	-WEST	
	B	1	BUNKER SEAM CAULKING	BLACK, GRAY	-NE	
	↓	2	↓	↓	-EAST	
	↓	3	↓	↓	-SE	
	C	1	EXTERIOR VENT SEALANT	SILICONE, GRAY	-NE	
	↓	2	↓	↓	-NE	
	↓	3	↓	↓	-SE	
↓	D	1	ELECTRICAL PANEL CAULKING	BLACK	-NE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

1.	E-A-	CSST	10-25-2021
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst.	10/28/21 0848
	Signature	Title	Inclusive Dates

2146329

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-25-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5027	D	2	ELECTRICAL PANEL CAULKING	BLACK	-NE	
↓	↓	3	↓	↓	-NE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

1.	E-A~	CSST	10-25-21
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst.	10/28/21 08:48
	Signature	Title	Inclusive Dates

ENVIRONMENTAL LABORATORIES LLC

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Tel: 562-206-2770
Fax: 562-206-2773

Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146319

Project Number 21 0210 021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/25/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146319-001	Bunker Roof- NE					
5028-A-1	Waterproofing, Black/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	35% 65%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146319-002	Bunker Roof- SE					
5028-A-2	Waterproofing, Black/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	25% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146319-003	Bunker Roof- West					
5028-A-3	Waterproofing, Black/ Brown, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix/Filler	20% 5% 75%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146319-004	Bunker Roof- NE					
5028-B-1	Bunker Seam Caulking, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146319-005	Bunker Roof- East					
5028-B-2	Bunker Seam Caulking, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146319-006	Bunker Roof- SE					
5028-B-3	Bunker Seam Caulking, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146319-007	NE					
5028-C-1	Exterior Vent Sealant, Silicone, Colorless, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Fax: 562-206-2773

Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146319

Project Number 21 0210 021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/25/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146319-008	NE					
5028-C-2	Exterior Vent Sealant, Silicone, Colorless, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146319-009	SE					
5028-C-3	Exterior Vent Sealant, Silicone, Colorless, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146319-010	NE					
5028-D-1	Electrical Panel Caulking, Black, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146319-011	NE					
5028-D-2	Electrical Panel Caulking, Black, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146319-012	NE					
5028-D-3	Electrical Panel Caulking, Black, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146319

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-25-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5028	A	1	WATER-PROOFING	BLACK	BUNKER ROOF -NE	
↓	↓	2	↓	↓	-SE	
	↓	3	↓	↓	-WEST	
	B	1	BUNKER SEAM CAULKING	BLACK, GRAY	-NE	
	↓	2	↓	↓	-EAST	
	↓	3	↓	↓	-SE	
	C	1	EXTERIOR VENT SEALANT	SILICONE, GRAY	-NE	
	↓	2	↓	↓	-NE	
	↓	3	↓	↓	-SE	
↓	D	1	ELECTRICAL PANEL CAULKING	BLACK	-NE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

1.	E-A-	CSST	10-25-2021
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst.	10/28/21 08:48
	Signature	Title	Inclusive Dates

2146319

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-25-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5028	D	2	ELECTRICAL PANEL CAULKING	BLACK	-NE	
↓	↓	3	↓	↓	-NE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: **(714) 746-7644**

Special Instructions:

CHAIN OF CUSTODY:

1.	E-A-	CSST	10-25-21
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst.	10/28/21 08:48
	Signature	Title	Inclusive Dates

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Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146318

Project Number 21 0210 021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/25/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146318-001	Bunker Roof- NE					
5029-A-1	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber	40%	None Detected	
			Bituminous Matrix/Filler	60%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146318-002	Bunker Roof- SE					
5029-A-2	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber	35%	None Detected	
			Fibrous Glass	15%		
			Bituminous Matrix/Filler	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146318-003	Bunker Roof- West					
5029-A-3	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber	35%	None Detected	
			Fibrous Glass	15%		
			Bituminous Matrix/Filler	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146318-004	Bunker Roof- NE					
5029-B-1	Bunker Seam Caulking, Gray/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber	15%	Chrysotile	10%
			Fibrous Glass	10%		
			Bituminous Matrix/Filler	65%		
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146318-005	Bunker Roof- East					
5029-B-2	Bunker Seam Caulking, Gray/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber	20%	Chrysotile	15%
			Bituminous Matrix/Filler	65%		
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146318-006	Bunker Roof- SE					
5029-B-3	Bunker Seam Caulking, Gray/Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber	20%	Chrysotile	15%
			Bituminous Matrix/Filler	65%		
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146318-007	NE					
5029-C-1	Exterior Vent Sealant, Silicone, Silver/Brown/Colorless, Non-homogeneous	LAYER 1 100%	Cellulose Fiber	3%	None Detected	
			Non-Fibrous Material	97%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146318

Project Number 21 0210 021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/25/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146318-008	NE					
5029-C-2	Exterior Vent Sealant, Silicone, Silver/Brown/Colorless, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146318-009	SE					
5029-C-3	Exterior Vent Sealant, Silicone, Silver/Brown/Colorless, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146318-010	NE					
5029-D-1	Electrical Panel Caulking, Black, Homogeneous	LAYER 1 100%	Binder/Filler	75%	Chrysotile	25%
	Asbestos Present: Yes		Total % Non-Asbestos:	75.0%	**Total %Asbestos:**	**25.0%**
2146318-011	NE					
5029-D-2	Electrical Panel Caulking, Black, Homogeneous	LAYER 1 100%	Binder/Filler	75%	Chrysotile	25%
	Asbestos Present: Yes		Total % Non-Asbestos:	75.0%	**Total %Asbestos:**	**25.0%**
2146318-012	NE					
5029-D-3	Electrical Panel Caulking, Black, Homogeneous	LAYER 1 100%	Binder/Filler	75%	Chrysotile	25%
	Asbestos Present: Yes		Total % Non-Asbestos:	75.0%	**Total %Asbestos:**	**25.0%**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146318

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-25-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5029	A	1	WATER-PROOFING	BLACK	BUNKER ROOF -NE	
↓	↓	2	↓	↓	-SE	
	↓	3	↓	↓	-WEST	
	B	1	BUNKER SEAM CAULKING	BLACK, GRAY	-NE	
	↓	2	↓	↓	-EAST	
	↓	3	↓	↓	↓ -SE	
	C	1	EXTERIOR VENT SEALANT	SILICONE, GRAY	-NE	
	↓	2	↓	↓	-NE	
	↓	3	↓	↓	-SE	
↓	D	1	ELECTRICAL PANEL CAULKING	BLACK	-NE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	EA	CSST	10-25-2021
2.	[signature]	Lab Asst.	10/28/21 08:48

2146318

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-25-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5029	D	2	ELECTRICAL PANEL CAULKING	BLACK	-NE	
↓	↓	3	↓	↓	-NE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

1.	E-A-	CSST	10-25-21
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst.	10/28/21 08:48
	Signature	Title	Inclusive Dates

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Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146322

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 9

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146322-001	Roof Bunker- NE					
5030-A-1	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	2% 88%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146322-002	Roof Bunker- SE					
5030-A-2	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	5% 85%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146322-003	Roof Bunker- West					
5030-A-3	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	20% 80%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146322-004	Roof Bunker- NE					
5030-B-1	Bunker Seam Caulking, Gray/Black, Homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146322-005	Roof Bunker- East					
5030-B-2	Bunker Seam Caulking, Gray/Black, Homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 80%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146322-006	Roof Bunker- SE					
5030-B-3	Bunker Seam Caulking, Gray/Black, Homogeneous	LAYER 1 100%	Fibrous Glass Bituminous Matrix/Filler	5% 75%	Chrysotile	20%
	Asbestos Present: Yes		Total % Non-Asbestos:	80.0%	**Total %Asbestos:**	**20.0%**
2146322-007	NE					
5030-C-1	Exterior Vent Sealant, Colorless, Homogeneous	LAYER 1 100%	 Non-Fibrous Material	 100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146322

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 9

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146322-008	NE					
5030-C-2	Exterior Vent Sealant, Colorless, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146322-009	SE					
5030-C-3	Exterior Vent Sealant, Colorless, Homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146322

Asbestos Bulk Sample Log

VISTA ENVIRONMENTAL CONSULTING

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON **Date:** 10-25-2021

Site/Location: MARCH AFB **Project Number:** 21021002.1

Sampled By: ACUNA **CAC/CSST Number:** 18-6186

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5030	A	1	WATER-PROOFING	BLACK	ROOF BUNKER -NE	
↓	↓	2	↓	↓	-SE	
↓	↓	3	↓	↓	-WEST	
↓	B	1	BUNKER SEAM CAULKING	BLACK/ GRAY	-NE	
↓	↓	2	↓	↓	-EAST	
↓	↓	3	↓	↓	-SE	
↓	C	1	EXTERIOR VENT SEALANT	SILICONE GRAY	-NE	
↓	↓	2	↓	↓	-NE	
↓	↓	3	↓	↓	-SE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day 5DA

Data Sent To: _____ **Via E-Mail:** _____ Questions call: 213.440.3128

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

1.	[signature]	CSST	10-25-21
	Signature	Title	Inclusive Dates
2.	[signature]	LAB ASST.	10/28/21 08:48
	Signature	Title	Inclusive Dates

ENVIRONMENTAL LABORATORIES LLC

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Fax: 562-206-2773

Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146256

Project Number 210210021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/22/2021
Date Analyzed 10/29/2021
Date Reported 10/29/2021

Date Sampled 10/21/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 9

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146256-001	West Exterior					
5033-A-1	Ext. Pavement Seam Caulking, Black, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	23.1%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146256-002	West Exterior					
5033-A-2	Ext. Pavement Seam Caulking, Black, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	23.1%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146256-003	West Exterior					
5033-A-3	Ext. Pavement Seam Caulking, Black, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	23.1%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146256-004	Southwest					
5033-B-1	Int. Pavement Seam Caulking, Black, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146256-005	Northwest					
5033-B-2	Int. Pavement Seam Caulking, Black, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146256-006	North Center					
5033-B-3	Int. Pavement Seam Caulking, Black, Homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146256-007	West Exterior					
5033-C-1	Wall Vent Caulking, Beige, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	72% 25%	Chrysotile	3%
	Asbestos Present: Yes		Total % Non-Asbestos:	97.0%	**Total %Asbestos:**	**3.0%**

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Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146256

Project Number 210210021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/22/2021
Date Analyzed 10/29/2021
Date Reported 10/29/2021

Date Sampled 10/21/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 9

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146256-008	West Exterior					
5033-C-2	Wall Vent Caulking, Beige, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	72% 25%	Chrysotile	3%
	Asbestos Present: Yes		Total % Non-Asbestos:	97.0%	**Total %Asbestos:**	**3.0%**
2146256-009	West Exterior					
5033-C-3	Wall Vent Caulking, Beige, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Binder/Filler	70% 25%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146256

Asbestos Bulk Sample Log

VISTA ENVIRONMENTAL CONSULTING

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-21-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5033	A	1	EXT. PAVEMENT SEAL COATING	BLACK	WEST EXT.	
↓	↓	2	↓	↓	↓	
	↓	3	↓	↓	↓	
	B	1	INT. PAVEMENT SEAL COATING	BLACK	SOUTH WEST	
	↓	2	↓	↓	NORTH WEST	
↓	↓	3	↓	↓	NORTH QR	
	C	1	WALL VENT CAULKING	WHITE	WEST EXTERIOR	
↓	↓	2	↓	↓	↓	
	↓	3	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

1.	Signature	CSST Title	10-21-2021 Inclusive Dates
2.	Signature	Lab Asst Title	10/22/21 0800 Inclusive Dates

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Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146355

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 11/01/2021
Date Analyzed 11/08/2021
Date Reported 11/08/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 3

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146355-001	Bunker Roof- NW					
5033-E-1	Waterproofing, Black, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	15%		
			Bituminous Matrix/Filler	85%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146355-002	Bunker Roof- West					
5033-E-2	Waterproofing, Black, Homogeneous	LAYER 1			None Detected	
		100%	Bituminous Matrix/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146355-003	Bunker Roof- SW					
5033-E-3	Waterproofing, Black, Homogeneous	LAYER 1			None Detected	
		100%	Bituminous Matrix/Filler	100%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Cristina E Tabatt
Analyst - Cristina Tabatt

Cristina E Tabatt
Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

246355

Asbestos Bulk Sample Log

VISTA ENVIRONMENTAL CONSULTING

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON **Date:** 10-25-2021

Site/Location: MARCH ARB **Project Number:** 210210021

Sampled By: ACUNA **CAC/CSST Number:** 18-61186

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5033	E	1	WATER-PROOFING	BLACK	BUNKER ROOF -NW	
↓	↓	2	↓	↓	↓ -WEST	
↓	↓	3	↓	↓	↓ -SW	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day SAME

Data Sent To: **Via E-Mail:**

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.		CSST	10-25-2021
2.		LAB ASST.	11/1/21 0800

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Fax: 562-206-2773

Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146321

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146321-001	Roof Bunker- NW					
5034-A-1	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Quartz Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146321-002	Roof Bunker- West					
5034-A-2	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	75%	Chrysotile	25%
	Asbestos Present: Yes		Total % Non-Asbestos:	75.0%	**Total %Asbestos:**	**25.0%**
2146321-003	Roof Bunker- SW					
5034-A-3	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Quartz Bituminous Matrix/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146321-004	NW					
5034-B-1	Exterior Pavement Seam Caulking, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146321-005	Ctr					
5034-B-2	Exterior Pavement Seam Caulking, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146321-006	Entrance					
5034-B-3	Exterior Pavement Seam Caulking, Black/Gray, Homogeneous	LAYER 1 100%	Bituminous Matrix Adhesive Binders/Filler	15% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Vista Environmental Consulting
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Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146321

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146321-007	Inside- NW					
5034-C-1	Interior Pavement Seam Caulking, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146321-008	Inside- SE					
5034-C-2	Interior Pavement Seam Caulking, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146321-009	Inside- SW					
5034-C-3	Interior Pavement Seam Caulking, Black, Homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146321-010	Entrance					
5034-D-1	Stucco Patch, Beige, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	60% 20% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146321-011	Entrance					
5034-D-2	Stucco Patch, Beige, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	60% 20% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146321-012	Entrance					
5034-D-3	Stucco Patch, Beige, Non-homogeneous	LAYER 1 100%	Calcium Carbonate Quartz Other Non-Fibrous Material	60% 20% 20%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Attn.: Andrew Schmidt

Report Number 2146321

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 12

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146321

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON

Date: 10-25-2021

Site/Location: MARCH AFB

Project Number: 21021002I

Sampled By: ACUNA

CAC/CSST Number: 18-61866

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5034	A	1	WATER-PROOFING	BLACK	ROOF BONNET - NW	
↓	↓	2	↓	↓	↓ - WEST	
↓	↓	3	↓	↓	↓ - SW	
	B	1	EXTERIOR PANEMENT SEAM	BLACK	- NW	
	↓	2	CAULKING	↓	- CTR	
	↓	3	↓	↓	- ENTRANCE	
	C	1	INTERIOR PANEMENT SEAM	BLACK	INSIDE - NW	
	↓	2	CAULKING	↓	↓ - SE	
	↓	3	↓	↓	↓ - SW	
↓	D	1	STUCCO PATCH	SAND FINISH WALL	ENTRANCE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day (5DAY)

Data Sent To: _____ **Via E-Mail:** _____ Questions call: 213.440.3128

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

1.	Signature	CSST Title	10-25-21 Inclusive Dates
2.	Signature	LAB Asst. Title	10/28/21 08:48 Inclusive Dates

2146321

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON **Date:** 10-25-2021

Site/Location: MARCH ARB **Project Number:** 210210021

Sampled By: ACUNA **CAC/CSST Number:** 18-6186

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5034	D	2	STUCCO PATCH	SAND FINISH WALL	ENTRANCE	
↓	↓	3	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

1.	[signature] Signature	CSST Title	10-25-2021 Inclusive Dates
2.	[signature] Signature	Lab Asst. Title	10/28/21 08:48 Inclusive Dates

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Toll: 888-207-2022
Tel: 562-206-2770
Fax: 562-206-2773

Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146257

Project Number 210210021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/22/2021
Date Analyzed 10/29/2021
Date Reported 10/29/2021

Date Sampled 10/21/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 9

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146257-001	West Ext.					
5035-A-1	Ext. Pavement Seam Caulking, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146257-002	West Ext.					
5035-A-2	Ext. Pavement Seam Caulking, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146257-003	West Ext.					
5035-A-3	Ext. Pavement Seam Caulking, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146257-004	SE					
5035-B-1	Int. Pavement Seam Caulking, Black, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146257-005	SW					
5035-B-2	Int. Pavement Seam Caulking, Black, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146257-006	NW					
5035-B-3	Int. Pavement Seam Caulking, Black, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146257

Project Number 210210021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/22/2021
Date Analyzed 10/29/2021
Date Reported 10/29/2021

Date Sampled 10/21/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 9

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146257-007	Ctr Room					
5035-C-1	Concrete, Floor Pad Walls, White/Gray, Non-homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler Other Non-Fibrous Material	60% 35% 5%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146257-008	SW					
5035-C-2	Concrete, Floor Pad Walls, Gray, Non-homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146257-009	NW					
5035-C-3	Concrete, Floor Pad Walls, Gray, Non-homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler Other Non-Fibrous Material	60% 35% 5%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146257

Asbestos Bulk Sample Log

VISTA ENVIRONMENTAL CONSULTING

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-21-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5035	A	1	EXT. PAVEMENT SEAM CAULKING	BLACK	WEST EXT.	
↓	↓	2	↓	↓	↓	
	↓	3	↓	↓	↓	
	B	1	INT. PAVEMENT SEAM CAULKING	BLACK	[redacted] SE	
	↓	2	↓	↓	[redacted] SW	
	↓	3	↓	↓	NW	
	C	1	CONCRETE	FLOOR PAD WALLS, GRAY	CTR ROOM	
	↓	2	↓	↓	SW	
↓	↓	3	↓	↓	NW	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

1. E-A — Signature; CSST — Title; 10-21-2021 — Inclusive Dates

2. [signature] — Signature; Lab Asst. — Title; 10/22/21 0800 — Inclusive Dates

ENVIRONMENTAL LABORATORIES LLC

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Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146356

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 11/01/2021
Date Analyzed 11/08/2021
Date Reported 11/08/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 3

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146356-001	Bunker Roof- NW					
5035-D-1	Waterproofing, Black, Homogeneous	LAYER 1	Cellulose Fiber	<1%	None Detected	
		100%	Quartz	15%		
			Bituminous Matrix/Filler	85%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146356-002	Bunker Roof- West					
5035-D-2	Waterproofing, Black, Homogeneous	LAYER 1	Cellulose Fiber	<1%	None Detected	
		100%	Quartz	10%		
			Bituminous Matrix/Filler	90%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146356-003	Bunker Roof- SW					
5035-D-3	Waterproofing, Black, Homogeneous	LAYER 1	Cellulose Fiber	<1%	None Detected	
		100%	Quartz	10%		
			Bituminous Matrix/Filler	90%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Cristina E Tabatt
Analyst - Cristina Tabatt

Cristina E Tabatt
Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146356

Asbestos Bulk Sample Log

VISTA ENVIRONMENTAL CONSULTING

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON **Date:** 10-25-2021

Site/Location: MARCH ARB **Project Number:** 210210021

Sampled By: AWNA **CAC/CSST Number:** 18-41866

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5035	D	1	WATER-PROOFING	BLACK	BUNKER ROOF -NW	
↓	↓	2	↓	↓	↓ -WEST	
↓	↓	3	↓	↓	↓ -SW	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day (5DAY)

Data Sent To: **Via E-Mail:**

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.			10-25-2021
2.		Lab Asst	11/1/21 0800

Page 1 of 1

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Attn.: Andrew Schmidt

Report Number 2146320

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 15

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146320-001	Bunker Roof- NW					
5036-A-1	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix/Filler	5% 95%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146320-002	Bunker Roof- West					
5036-A-2	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Bituminous Matrix/Filler	10% 5% 85%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146320-003	Bunker Roof- SW					
5036-A-3	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	Fibrous Glass Cellulose Fiber Bituminous Matrix/Filler	25% 5% 70%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146320-004	NW					
5036-B-1	Exterior Pavement Seam Sealant, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146320-005	Ctr					
5036-B-2	Exterior Pavement Seam Sealant, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146320-006	SE					
5036-B-3	Exterior Pavement Seam Sealant, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Attn.: Andrew Schmidt

Report Number 2146320

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 15

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146320-007	NW					
5036-C-1	Interior Pavement Seam Caulking, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146320-008	SW					
5036-C-2	Interior Pavement Seam Caulking, Black/Beige, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler Other Non-Fibrous Material	50% 50%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146320-009	SE					
5036-C-3	Interior Pavement Seam Caulking, Black/Gray, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler Other Non-Fibrous Material	90% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146320-010	Entrance					
5036-D-1	Stucco Patch- Sand Finish Wall, Beige, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	50% 35% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146320-011	Entrance					
5036-D-2	Stucco Patch- Sand Finish Wall, Beige, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	50% 35% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Report Number 2146320

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 15

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146320-012	Entrance					
5036-D-3	Stucco Patch- Sand Finish Wall, Beige, Non-homogeneous	LAYER 1 100%	Quartz Calcium Carbonate Other Non-Fibrous Material	50% 35% 15%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146320-013	Bunker Doors					
5036-E-1	Texture, Silver/Brown/Black/Orange, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146320-014	Bunker Doors					
5036-E-2	Texture, Silver/Brown/Black/Orange, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146320-015	Bunker Doors					
5036-E-3	Texture, Silver/Brown/Black/Orange, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146320

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON **Date:** 10-25-2021

Site/Location: MARCH ARB **Project Number:** 21021002

Sampled By: ACUNA **CAC/CSST Number:** 13-6186

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5036	A	1	WATER-PROOFING	BLACK	BUNKER ROOF - NW	
↓	↓	2	↓	↓	- WEST	
↓	↓	3	↓	↓	↓ - SW	
↓	B	1	EXTERIOR PAVEMENT SEAL SEALANT	BLACK	- NW	
↓	↓	2	↓	↓	- CTR	
↓	↓	3	↓	↓	- SE	
↓	C	1	INTERIOR PAVEMENT SEAL CAULKING	BLACK	- NW	
↓	↓	2	↓	↓	- SW	
↓	↓	3	↓	↓	- SE	
↓	D	1	STUCCO PATCH	SAND FINISH WALL	ENTRANCE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: **(714) 746-7644**

Special Instructions:

CHAIN OF CUSTODY:

1.	Signature	CSST Title	10-25-21 Inclusive Dates
2.	Signature	Lab Asst. Title	10/28/21 08:48 Inclusive Dates

2146320

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON **Date:** 10-25-2021

Site/Location: MARCH ARB **Project Number:** 210210021

Sampled By: ACUNA **CAC/CSST Number:** 18-61186

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5036	D	2	STUCCO PATCH	SAND FINISH WALL	ENTRANCES	
↓	↓	3	↓	↓	↓	
	E	1	SILVER-TEX	SILVER	BUNKER DOORS	
	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day 5DAY

Data Sent To: **Via E-Mail:**

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.		CSST.	10-25-21
2.		Lab Asst.	10/28/21 08:48

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Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146258

Project Number 210210021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/22/2021
Date Analyzed 10/29/2021
Date Reported 10/29/2021

Date Sampled 10/21/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 15

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146258-001	West Ext.					
5037-A-1	Ext. Pavement Caulking, Black, Homogeneous	LAYER 1 100%	Bituminous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146258-002	West Ext.					
5037-A-2	Ext. Pavement Caulking, Black, Homogeneous	LAYER 1 100%	Bituminous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146258-003	West Ext.					
5037-A-3	Ext. Pavement Caulking, Black, Homogeneous	LAYER 1 100%	Bituminous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146258-004	SW Ext.					
5037-B-1	Conduit Caulking, White, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146258-005	SW Ext.					
5037-B-2	Conduit Caulking, White, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146258-006	SW Ext.					
5037-B-3	Conduit Caulking, White, Non-homogeneous	LAYER 1 100%	Non-Fibrous Material	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146258-007	SE					
5037-C-1	Int. Pavement Seam Caulking, Black, Non-homogeneous	LAYER 1 100%	Adhesive Binders/Filler	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Fax: 562-206-2773

Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146258

Project Number 210210021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/22/2021
Date Analyzed 10/29/2021
Date Reported 10/29/2021

Date Sampled 10/21/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 15

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146258-008	SW					
5037-C-2	Int. Pavement Seam Caulking, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders/Filler	2% 98%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146258-009	NW					
5037-C-3	Int. Pavement Seam Caulking, Black/Gray, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Adhesive Binders/Filler Other Non-Fibrous Material	2% 68% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146258-010	Ctr Room					
5037-D-1	Concrete, Floor Pad, Gray, Homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146258-011	SW					
5037-D-2	Concrete, Floor Pad, Gray/Brown, Homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	60% 40%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146258-012	NW					
5037-D-3	Concrete, Floor Pad, Gray, Homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146258-013	NW Ext.					
5037-E-1	Electrical Box Rope Gasket, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	35% 65%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146258

Project Number 210210021
Project Name Leighton
Location March ARB- Upper Plateau Ordinance
PO Number
WO Number

Date Received 10/22/2021
Date Analyzed 10/29/2021
Date Reported 10/29/2021

Date Sampled 10/21/2021
Sampled By E. Acuna/Y. Schmidt
Total Samples 15

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146258-014	NW Ext.					
5037-E-2	Electrical Box Rope Gasket, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	30% 70%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146258-015	NW Ext.					
5037-E-3	Electrical Box Rope Gasket, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Binder/Filler	30% 70%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146258

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-21-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5037	A	1	EXT. PAVEMENT CAULKING	BLACK	WEST EXT.	
↓	↓	2	↓	↓	↓	
	↓	3	↓	↓	↓	
	B	1	CONDUIT CAULKING	WHITE	SW EXT.	
	↓	2	↓	↓	↓	
	↓	3	↓	↓	↓	
	C	1	INT. PAVEMENT SEAM CAULKING	BLACK	SE	
	↓	2	↓	↓	SW	
	↓	3	↓	↓	NW	
↓	D	1	CONCRETE	FLOOR PAD - GRAY	CTR. ROOM	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

1.	E-A.	CSST	10-21-2021
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst.	10/22/21 0800
	Signature	Title	Inclusive Dates

2146258

Asbestos Bulk Sample Log

VISTA ENVIRONMENTAL CONSULTING

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10-21-2021

Site/Location: March ARB - Upper Plateau Ordinance **Project Number:** 21 0210 021

Sampled By: E. Acuna / Y. Schmidt **CAC/CSST Number:** 18-6186 (CSST) / 05-3791 (CAC)

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5037	D	2	CONCRETE	FLOOR PAD - GRAY	SOUTH	
↓	↓	3	↓	WALL GRAY	NW	
↓	E	1	ELECTRICAL BOX ROPE GASKET	BLACK	NW EXT.	
↓	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR (5 day)

Data Sent To: **Via E-Mail:** andrew.schmidt@vista-env.com Questions call: (714) 746-7644

Special Instructions:

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	E-A-	CSST	10-21-2021
2.	[signature]	Lab Asst.	10/22/21 0800

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Tel: 562-206-2770
Fax: 562-206-2773

Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146357

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 11/01/2021
Date Analyzed 11/08/2021
Date Reported 11/08/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 6

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146357-001	Bunker Roof- NW					
5037-F-1	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146357-002	Bunker Roof- West					
5037-F-2	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 95%	Chrysotile	5%
	Asbestos Present: Yes		Total % Non-Asbestos:	95.0%	**Total %Asbestos:**	**5.0%**
2146357-003	Bunker Roof- SW					
5037-F-3	Waterproofing, Black, Non-homogeneous	LAYER 1 100%	 Bituminous Matrix/Filler	 85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146357-004	Laying behind bunker					
5037-G-1	Pipe Run, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	48% 50%	Chrysotile	2%
	Asbestos Present: Yes		Total % Non-Asbestos:	98.0%	**Total %Asbestos:**	**2.0%**
2146357-005	Laying behind bunker					
5037-G-2	Pipe Run, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	48% 50%	Chrysotile	2%
	Asbestos Present: Yes		Total % Non-Asbestos:	98.0%	**Total %Asbestos:**	**2.0%**
2146357-006	Laying behind bunker					
5037-G-3	Pipe Run, Black, Homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	75% 25%	Chrysotile	<1%
	Asbestos Present: Yes		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**<1%**

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Attn.: Andrew Schmidt

Report Number 2146357

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 11/01/2021
Date Analyzed 11/08/2021
Date Reported 11/08/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 6

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146357

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON **Date:** 10-25-2021

Site/Location: MARCH ARB **Project Number:** 210210021

Sampled By: ACUNA **CAC/CSST Number:** 18-6186

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
5037	F	1	WATER-PROOFING	BLACK	BUNKER ROOF-NW	
↓	↓	2	↓	↓	-WEST	
↓	↓	3	↓	↓	-SW	
↓	G	1	PIPE RUN	BLACK	HANGING BEHIND BUNKER	
↓	↓	2	↓	↓	↓	
↓	↓	3	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day (5DAY)

Data Sent To: **Via E-Mail:**

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	[signature]		10-25-2021
2.	[signature]	Lab Asst	11/1/21 0800

Page 1 of 1

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Vista Environmental Consulting
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Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146254

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/22/2021
Date Analyzed 10/29/2021
Date Reported 10/29/2021

Date Sampled 10/20/2021
Sampled By Acuna
Total Samples 9

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146254-001 WaterCoolingTower-A-1	West Cementitious Panel, Gray, Non-homogeneous	LAYER 1 100%	Mineral Binders/Fillers	85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146254-002 WaterCoolingTower-A-2	North Cementitious Panel, Gray, Non-homogeneous	LAYER 1 100%	Mineral Binders/Fillers	85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146254-003 WaterCoolingTower-A-3	South Cementitious Panel, Gray, Non-homogeneous	LAYER 1 100%	Mineral Binders/Fillers	85%	Chrysotile	15%
	Asbestos Present: Yes		Total % Non-Asbestos:	85.0%	**Total %Asbestos:**	**15.0%**
2146254-004 WaterCoolingTower-B-1	North Cement Panel Sealant, Brown, Homogeneous	LAYER 1 100%	Binder/Filler	90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146254-005 WaterCoolingTower-B-2	East Cement Panel Sealant, Brown, Homogeneous	LAYER 1 100%	Binder/Filler	90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146254-006 WaterCoolingTower-B-3	South Cement Panel Sealant, Brown, Homogeneous	LAYER 1 100%	Binder/Filler	90%	Chrysotile	10%
	Asbestos Present: Yes		Total % Non-Asbestos:	90.0%	**Total %Asbestos:**	**10.0%**
2146254-007 WaterCoolingTower-C-1	West Tar Base Coat, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix/Filler	98%	Chrysotile	2%
	Asbestos Present: Yes		Total % Non-Asbestos:	98.0%	**Total %Asbestos:**	**2.0%**
2146254-008 WaterCoolingTower-C-2	North Tar Base Coat, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix	100%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Vista Environmental Consulting
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Attn.: Andrew Schmidt

Report Number 2146254

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/22/2021
Date Analyzed 10/29/2021
Date Reported 10/29/2021

Date Sampled 10/20/2021
Sampled By Acuna
Total Samples 9

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146254-009 WaterCoolingTower-C-3	South Tar Base Coat, Black, Non-homogeneous	LAYER 1 100%	Bituminous Matrix	98%	Chrysotile	2%

Asbestos Present: Yes Total % Non-Asbestos: 98.0% **Total %Asbestos: 2.0%**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146254

Asbestos Bulk Sample Log

VISTA ENVIRONMENTAL CONSULTING

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON

Date: 10-20-2021

Site/Location: MARCH ARB

Project Number: 210210021

Sampled By: ACUNA

CAC/CSST Number: 18-01836

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
WATER COOLING TOWER	A	1	CEMENTITIOUS PANEL	GRAY	WEST	
↓	↓	2	↓	↓	NORTH	
	↓	3	↓	↓	SOUTH	
	B	1	CEMENT PANEL SCALANT	BROWN	NORTH	
	↓	2	↓	↓	EAST	
	↓	3	↓	↓	SOUTH	
	C	1	TAR BASE COAT	BLACK	WEST	
	↓	2	↓	↓	NORTH	
↓	↓	3	↓	↓	SOUTH	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 5 day

Data Sent To: **Via E-Mail:**

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

1.	EA	CSST	10-20-2021
	Signature	Title	Inclusive Dates
2.	[signature]	Lab Asst.	10/22/21 0800
	Signature	Title	Inclusive Dates

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Tel: 562-206-2770
Fax: 562-206-2773

Vista Environmental Consulting
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Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146317

Project Number 210210021
Project Name Leighton
Location March
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 6

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146317-001	NW					
SHED-A-1	CMU Grout, Gray, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	65%		
			Mineral Binders/Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146317-002	NE					
SHED-A-2	CMU Grout, Gray/White, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	60%		
			Mineral Binders/Filler	30%		
			Calcium Carbonate	10%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146317-003	SE					
SHED-A-3	CMU Grout, Gray/White, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	60%		
			Mineral Binders/Filler	30%		
			Calcium Carbonate	10%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146317-004	NE					
SHED-B-1	Concrete Floor Pad, Gray, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	60%		
			Mineral Binders/Filler	40%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146317-005	SW					
SHED-B-2	Concrete Floor Pad, Gray, Homogeneous	LAYER 1			None Detected	
		100%	Quartz	60%		
			Mineral Binders/Filler	40%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146317

Project Number 210210021
Project Name Leighton
Location March
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 6

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID Sample No.	Sample Location Description	Layer No. Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146317-006	SE					
SHED-B-3	Concrete Floor Pad, Gray, Homogeneous	LAYER 1 100%	Quartz Mineral Binders/Filler	60% 40%	None Detected	

Asbestos Present: No Total % Non-Asbestos: 100.0% **Total %Asbestos: No Asbestos Detected**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146317

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON Date: 10-25-21

Site/Location: MARCH Project Number: 210210021

Sampled By: AVINA CAC/CSST Number: 18-61886

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
SHED	A	1	CMU GROUT	GRAY	- NW	
↓	↓	2	↓	↓	- NE	
↓	↓	3	↓	↓	- SE	
↓	B	1	CONCRETE	FLOOR PAD	- NE	
↓	↓	2	↓	↓	- SW	
↓	↓	3	↓	↓	- SE	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day (5DAY)

Data Sent To: **Via E-Mail:**

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.		CSST	10-25-21
2.		Lab Asst.	10/28/21 08:48

ENVIRONMENTAL LABORATORIES LLC

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Attn.: Andrew Schmidt

Report Number 2146316

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/27/2021
Sampled By Acuna
Total Samples 21

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146316-001	W505					
ElectricalPoles-A-1	Conduit Pipe, Black, Homogeneous	LAYER 1	Cellulose Fiber	40%	None Detected	
		100%	Bituminous Matrix	60%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-002	W444					
ElectricalPoles-A-2	Conduit Pipe, Black, Homogeneous	LAYER 1	Cellulose Fiber	40%	None Detected	
		100%	Bituminous Matrix	60%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-003	W451					
ElectricalPoles-A-3	Conduit Pipe, Black, Homogeneous	LAYER 1	Cellulose Fiber	50%	None Detected	
		100%	Bituminous Matrix	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-004	W477					
ElectricalPoles-A-4	Conduit Pipe, Black, Homogeneous	LAYER 1	Cellulose Fiber	40%	None Detected	
		100%	Bituminous Matrix	60%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-005	W460					
ElectricalPoles-A-5	Conduit Pipe, Black, Homogeneous	LAYER 1	Cellulose Fiber	40%	None Detected	
		100%	Bituminous Matrix	60%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-006	W496					
ElectricalPoles-A-6	Conduit Pipe, Black, Homogeneous	LAYER 1	Cellulose Fiber	50%	None Detected	
		100%	Bituminous Matrix	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Attn.: Andrew Schmidt

Report Number 2146316

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/27/2021
Sampled By Acuna
Total Samples 21

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146316-007	W423					
ElectricalPoles-A-7	Conduit Pipe, Black, Homogeneous	LAYER 1	Cellulose Fiber	50%	None Detected	
		100%	Bituminous Matrix	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-008	127A					
ElectricalPoles-A-8	Conduit Pipe, Black, Homogeneous	LAYER 1	Cellulose Fiber	50%	None Detected	
		100%	Bituminous Matrix	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-009	W487					
ElectricalPoles-A-9	Conduit Pipe, Black, Homogeneous	LAYER 1	Cellulose Fiber	40%	None Detected	
		100%	Bituminous Matrix	60%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-010	I-18A					
ElectricalPoles-A-10	Conduit Pipe, Black, Homogeneous	LAYER 1	Cellulose Fiber	50%	None Detected	
		100%	Bituminous Matrix	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-011	W397					
ElectricalPoles-A-11	Conduit Pipe, Black, Homogeneous	LAYER 1	Cellulose Fiber	50%	None Detected	
		100%	Bituminous Matrix	50%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-012	I-5A					
ElectricalPoles-A-12	Conduit Pipe, Black, Homogeneous	LAYER 1	Cellulose Fiber	40%	None Detected	
		100%	Bituminous Matrix	60%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

ENVIRONMENTAL LABORATORIES LLC

1508 East 33rd Street
Signal Hill, CA 90755
Toll: 888-207-2022
Tel: 562-206-2770
Fax: 562-206-2773

Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146316

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/27/2021
Sampled By Acuna
Total Samples 21

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146316-013	W423					
ElectricalPoles-B-1	Electrical Panel, Brown, Homogeneous	LAYER 1 100%	Synthetic Fiber	50%	None Detected	
			Cellulose Fiber	15%		
			Binder/Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-014	W423					
ElectricalPoles-B-2	Electrical Panel, Brown, Homogeneous	LAYER 1 100%	Synthetic Fiber	50%	None Detected	
			Cellulose Fiber	15%		
			Binder/Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-015	W423					
ElectricalPoles-B-3	Electrical Panel, Brown, Homogeneous	LAYER 1 100%	Synthetic Fiber	50%	None Detected	
			Cellulose Fiber	15%		
			Binder/Filler	35%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-016	I-18A					
ElectricalPoles-C-1	Electrical Panel, Gray, Homogeneous	LAYER 1 100%	Synthetic Fiber	60%	None Detected	
			Binder/Filler	40%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-017	I-18A					
ElectricalPoles-C-2	Electrical Panel, Gray, Homogeneous	LAYER 1 100%	Synthetic Fiber	60%	None Detected	
			Binder/Filler	40%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-018	I-18A					
ElectricalPoles-C-3	Electrical Panel, Gray, Homogeneous	LAYER 1 100%	Synthetic Fiber	60%	None Detected	
			Binder/Filler	40%		
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Report Number 2146316

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/05/2021
Date Reported 11/05/2021

Date Sampled 10/27/2021
Sampled By Acuna
Total Samples 21

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146316-019	W466					
ElectricalPoles-D-1	Electrical Wire Sleeve, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-020	W466					
ElectricalPoles-D-2	Electrical Wire Sleeve, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Fibrous Glass Bituminous Matrix	65% 5% 30%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146316-021	W4607					
ElectricalPoles-D-3	Electrical Wire Sleeve, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Bituminous Matrix	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146316

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON Date: 10-27-2021

Site/Location: MARCH ARB Project Number: 210210021

Sampled By: ACUNA CAC/CSST Number: 18-6186

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
ELECTRICAL POLES	A	1	CONDUIT PIPE	BLACK	W505	
↓	↓	2	↓	↓	W444	
↓	↓	3	↓	↓	W451	
↓	↓	4	↓	↓	W477	
↓	↓	5	↓	↓	W460	
↓	↓	6	↓	↓	W496	
↓	↓	7	↓	↓	W423	
↓	↓	8	↓	↓	127A	
↓	↓	9	↓	↓	W487	
↓	↓	10	↓	↓	1-18A	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day 5DAY

Data Sent To: **Via E-Mail:**

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.		CSST	10-27-2021
2.		Lab Asst.	10/28/21 08:48

2146316

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON Date: 10-27-2021

Site/Location: MARCH ARB Project Number: 210210021

Sampled By: ACUNA CAC/CSST Number: 18-61186

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
ELECTRICAL POLES	A	11	CONDUIT PIPE	BLACK	W397	
↓	↓	12	↓	↓	1-5A	
	B	1	ELECTRICAL PANEL	GRAY	W423	
	↓	2	↓	↓	↓	
	↓	3	↓	↓	↓	
	C	1	ELECTRICAL PANEL	GRAY	1-18A	
	↓	2	↓	↓	↓	
	↓	3	↓	↓	↓	
	D	1	ELECTRICAL WIRE SLEEVE	BLACK	W466	
↓	↓	2	↓	↓	W466	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day (5DAY)

Data Sent To: **Via E-Mail:**

Special Instructions:

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	EA	CSST	10-27-2021
2.	JF	Lab Asst.	10/28/21 08:48

2146316

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON Date: 10-27-2021

Site/Location: MARCH ARB Project Number: 210210021

Sampled By: ACUNA CAC/CSST Number: 18-6186

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
ELECTRICAL POLES	D	3	ELECTRICAL WHITE SLEEVE	BLACK	W4607	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day 5DAY

Data Sent To: **Via E-Mail:**

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	[signature]	CSST	10-27-2021
2.	[signature]	Lab Asst.	10/28/21 08:48

Page 3 of 3

ENVIRONMENTAL LABORATORIES LLC

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Vista Environmental Consulting
1054 N Tustin Avenue
Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146330

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/08/2021
Date Reported 11/08/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 14

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146330-001						
ROADS-A-1	Concrete, Floor Pad, Gray, Non-homogeneous	LAYER 1 100%	Quartz Non-Fibrous Mineral Binders/Filler	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146330-002						
ROADS-A-2	Concrete, Floor Pad, Gray/Beige, Non-homogeneous	LAYER 1 100%	Quartz Non-Fibrous Mineral Binders/Filler	60% 40%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146330-003						
ROADS-A-3	Concrete, Floor Pad, Gray, Non-homogeneous	LAYER 1 100%	Quartz Non-Fibrous Mineral Binders/Filler	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146330-004						
ROADS-A-4	Concrete, Floor Pad, Gray/Beige, Non-homogeneous	LAYER 1 100%	Quartz Non-Fibrous Mineral Binders/Filler	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146330-005						
ROADS-A-5	Concrete, Floor Pad, Gray/Beige, Non-homogeneous	LAYER 1 100%	Quartz Non-Fibrous Mineral Binders/Filler	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Project Number 210210021
Project Name Leighton
Location March ARB
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Date Reported 11/08/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 14

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146330-006						
ROADS-A-6	Concrete, Floor Pad, Gray/Beige, Non-homogeneous	LAYER 1 100%	Quartz Non-Fibrous Mineral Binders/Filler	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146330-007						
ROADS-A-7	Concrete, Floor Pad, Gray/Beige, Non-homogeneous	LAYER 1 100%	Quartz Non-Fibrous Mineral Binders/Filler	65% 35%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146330-008						
ROADS-B-1	Asphalt, Black, Non-homogeneous	LAYER 1 100%	Non-Fibrous Mineral Aggregate Bituminous Matrix	90% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146330-009						
ROADS-B-2	Asphalt, Black, Non-homogeneous	LAYER 1 100%	Non-Fibrous Mineral Aggregate Bituminous Matrix	90% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146330-010						
ROADS-B-3	Asphalt, Black, Non-homogeneous	LAYER 1 100%	Cellulose Fiber Non-Fibrous Mineral Aggregate Bituminous Matrix	<1% 90% 10%	None Detected	
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Anaheim CA 92807
Attn.: Andrew Schmidt

Report Number 2146330

Project Number 210210021
Project Name Leighton
Location March ARB
PO Number
WO Number

Date Received 10/28/2021
Date Analyzed 11/08/2021
Date Reported 11/08/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 14

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)
2146330-011						
ROADS-B-4	Asphalt, Black, Non-homogeneous	LAYER 1	Cellulose Fiber	<1%	None Detected	
		100%	Non-Fibrous Mineral	90%		
			Aggregate	10%		
			Bituminous Matrix			
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146330-012						
ROADS-B-5	Asphalt, Black, Non-homogeneous	LAYER 1	Cellulose Fiber	<1%	None Detected	
		100%	Non-Fibrous Mineral	90%		
			Aggregate	10%		
			Bituminous Matrix			
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146330-013						
ROADS-B-6	Asphalt, Black, Non-homogeneous	LAYER 1	Cellulose Fiber	<1%	None Detected	
		100%	Non-Fibrous Mineral	95%		
			Aggregate	5%		
			Bituminous Matrix			
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**
2146330-014						
ROADS-B-7	Asphalt, Black, Non-homogeneous	LAYER 1	Cellulose Fiber	<1%	None Detected	
		100%	Non-Fibrous Mineral	95%		
			Aggregate	5%		
			Bituminous Matrix			
	Asbestos Present: No		Total % Non-Asbestos:	100.0%	**Total %Asbestos:**	**No Asbestos Detected**

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Date Analyzed 11/08/2021
Date Reported 11/08/2021

Date Sampled 10/25/2021
Sampled By Acuna
Total Samples 14

Method of Analysis 40 CFR Part 763 Appendix E to Subpart E, EPA Method 600/M4-82-020; updated method 600 R-93/116 Determination of Asbestos in Bulk Building Materials.

Test Report

Laboratory ID / Sample No.	Sample Location / Description	Layer No. / Layer %	Non-Asbestos Components	(%)	Asbestos Type	(%)

Method Detection Limit: Less than one percent (<1%). Asbestos content has been determined using calibrated visual estimation (CVES). Samples tested were received in acceptable condition unless otherwise stated. Test report relates only to items tested. Non-homogeneous samples containing discrete and separable layers are analyzed and reported separately; composite results may be reported upon customer's request. Non-homogeneous samples with inseparable layers are analyzed and reported as composite samples. Due to the limitations of Polarized Light Microscopy, samples reported as None Detected or with low asbestos concentrations may not be reliable and further analysis such as TEM is recommended to confirm PLM results. This report shall not be reproduced except in full without the written approval of this laboratory. This report may not be used by the customer to claim product certification, endorsement, or approval by NIST/NVLAP or any agency of the government. Samples shall be disposed according to local, state and federal laws, 30 days after results are reported unless otherwise instructed.

CA-ELAP #2823

Analyst - Fred Chappelear

Approved Signatory Cristina E. Tabatt

NVLAP TESTING
NVLAP Lab Code 500044-0

2146330

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON Date: 10-25-2021

Site/Location: MARCH ARB Project Number: 210210021

Sampled By: ACUNA CAC/CSST Number: 18-61866

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
ROADS	A	1	CONCRETE	FLOOR PAD	REFER TO MAP	
↓	↓	2	↓	↓	↓	
		3				
		4				
		5				
		6				
	↓	7	↓	↓		
	B	1	ASPHALT	BLACK		
	↓	2	↓	↓		
↓	↓	3	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day 5DAY

Data Sent To: **Via E-Mail:**

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	E-A	CSST	10-25-21
2.	[signature]	Lab Asst.	10/28/21 08:48

2146330

VISTA ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: LEIGHTON Date: 10-25-2021

Site/Location: MARCH ARB Project Number:

Sampled By: AWNA CAC/CSST Number:

Building	Area ID	Number	Material	Description	Location	Quantity (sf/lf/ea)
ROADS	B	4	ASPHALT	BLACK	REFER TO MAP	
↓	↓	5	↓	↓	↓	
		6				
↓	↓	7	↓	↓	↓	

Analytical Method: PLM **Turnaround Time:** Same Day 24hr 48 HR 3 day 5DAY

Data Sent To: **Via E-Mail:**

Special Instructions: ANDREW.SCHMIDT@VISTA-ENV.COM

CHAIN OF CUSTODY:

	Signature	Title	Inclusive Dates
1.	EA	CSST	10-25-21
2.	JT	Lab Asst.	10/28/21 08:48

ATTACHMENT C -

METALS WIPE SAMPLES - ANALYTICAL REPORT

ADVANCED TECHNOLOGY LABORATORIES

October 29, 2021

Andrew Schmidt
Vista Environmental
1054 North Tustin Avenue
Anaheim, CA 92807
Tel: (714) 289-2600
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2102199
Client Reference : 21 0210 021

Enclosed are the results for sample(s) received on October 22, 2021 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

for

Amy Leung
Laboratory Director

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
2-01p	2102199-01	Wipe	10/21/21 0:00	10/22/21 11:05
2-02p	2102199-02	Wipe	10/21/21 0:00	10/22/21 11:05
2-03p	2102199-03	Wipe	10/21/21 0:00	10/22/21 11:05
2-01	2102199-04	Wipe	10/21/21 0:00	10/22/21 11:05
2-02	2102199-05	Wipe	10/21/21 0:00	10/22/21 11:05
2-03	2102199-06	Wipe	10/21/21 0:00	10/22/21 11:05

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Client Sample ID 2-01p
Lab ID: 2102199-01

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016		ND	490	1	B1J0560	10/27/2021	10/27/21 16:00	
Aroclor 1221		ND	490	1	B1J0560	10/27/2021	10/27/21 16:00	
Aroclor 1232		ND	490	1	B1J0560	10/27/2021	10/27/21 16:00	
Aroclor 1242		ND	490	1	B1J0560	10/27/2021	10/27/21 16:00	
Aroclor 1248		ND	490	1	B1J0560	10/27/2021	10/27/21 16:00	
Aroclor 1254		ND	490	1	B1J0560	10/27/2021	10/27/21 16:00	
Aroclor 1260		ND	490	1	B1J0560	10/27/2021	10/27/21 16:00	
Surrogate: Decachlorobiphenyl	*27.5 %*		*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 16:00*	
Surrogate: Tetrachloro-m-xylene	*49.2 %*		*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 16:00*	

Client Sample ID 2-02p
Lab ID: 2102199-02

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016		ND	490	1	B1J0560	10/27/2021	10/27/21 16:19	
Aroclor 1221		ND	490	1	B1J0560	10/27/2021	10/27/21 16:19	
Aroclor 1232		ND	490	1	B1J0560	10/27/2021	10/27/21 16:19	
Aroclor 1242		ND	490	1	B1J0560	10/27/2021	10/27/21 16:19	
Aroclor 1248		ND	490	1	B1J0560	10/27/2021	10/27/21 16:19	
Aroclor 1254		ND	490	1	B1J0560	10/27/2021	10/27/21 16:19	
Aroclor 1260		ND	490	1	B1J0560	10/27/2021	10/27/21 16:19	
Surrogate: Decachlorobiphenyl	*25.2 %*		*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 16:19*	
Surrogate: Tetrachloro-m-xylene	*49.0 %*		*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 16:19*	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Client Sample ID 2-03p
Lab ID: 2102199-03

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	480	1	B1J0560	10/27/2021	10/27/21 16:38	
Aroclor 1221	ND	480	1	B1J0560	10/27/2021	10/27/21 16:38	
Aroclor 1232	ND	480	1	B1J0560	10/27/2021	10/27/21 16:38	
Aroclor 1242	ND	480	1	B1J0560	10/27/2021	10/27/21 16:38	
Aroclor 1248	ND	480	1	B1J0560	10/27/2021	10/27/21 16:38	
Aroclor 1254	ND	480	1	B1J0560	10/27/2021	10/27/21 16:38	
Aroclor 1260	ND	480	1	B1J0560	10/27/2021	10/27/21 16:38	
Surrogate: Decachlorobiphenyl	*29.2 %*	*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 16:38*	
Surrogate: Tetrachloro-m-xylene	*50.1 %*	*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 16:38*	

Client Sample ID 2-01
Lab ID: 2102199-04

Total Metals by ICP-AES EPA 6010B — **Analyst: en**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Cadmium	ND	2.0	1	B1J0588	10/28/2021	10/29/21 16:53	
Chromium	**6.8**	2.0	1	B1J0588	10/28/2021	10/29/21 16:53	
Lead	**25**	2.0	1	B1J0588	10/28/2021	10/29/21 16:53	

Client Sample ID 2-02
Lab ID: 2102199-05

Total Metals by ICP-AES EPA 6010B — **Analyst: en**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Cadmium	**3.0**	2.0	1	B1J0588	10/28/2021	10/29/21 16:55	
Chromium	**25**	2.0	1	B1J0588	10/28/2021	10/29/21 16:55	
Lead	**220**	2.0	1	B1J0588	10/28/2021	10/29/21 16:55	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Client Sample ID 2-03
Lab ID: 2102199-06

Total Metals by ICP-AES EPA 6010B **Analyst: en**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Cadmium	ND	2.0	1	B1J0588	10/28/2021	10/29/21 16:57	
Chromium	**11**	2.0	1	B1J0588	10/28/2021	10/29/21 16:57	
Lead	**55**	2.0	1	B1J0588	10/28/2021	10/29/21 16:57	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B1J0588 - EPA 3050B_S										
Blank (B1J0588-BLK1)						Prepared: 10/28/2021 Analyzed: 10/29/2021				
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Lead	ND	1.0	0.18							
LCS (B1J0588-BS1)						Prepared: 10/28/2021 Analyzed: 10/29/2021				
Cadmium	23.1445	1.0	0.14	25.0000		92.6	80 - 120			
Chromium	23.0591	1.0	0.26	25.0000		92.2	80 - 120			
Lead	23.7192	1.0	0.18	25.0000		94.9	80 - 120			
Matrix Spike (B1J0588-MS1)			**Source: 2102235-01**			Prepared: 10/28/2021 Analyzed: 10/29/2021				
Cadmium	22.5347	1.0	0.14	25.0000	0.701337	87.3	62 - 116			
Chromium	35.7605	1.0	0.26	25.0000	11.6208	96.6	42 - 145			
Lead	43.2232	1.0	0.18	25.0000	24.6381	74.3	26 - 161			
Matrix Spike Dup (B1J0588-MSD1)			**Source: 2102235-01**			Prepared: 10/28/2021 Analyzed: 10/29/2021				
Cadmium	22.3497	1.0	0.14	25.0000	0.701337	86.6	62 - 116	0.824	20	
Chromium	36.0511	1.0	0.26	25.0000	11.6208	97.7	42 - 145	0.809	20	
Lead	43.1886	1.0	0.18	25.0000	24.6381	74.2	26 - 161	0.0800	20	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B1J0560 - GCSEMI_PCB/PEST_S										
Blank (B1J0560-BLK1)						Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	ND	16	1.9							
Aroclor 1221	ND	16	1.9							
Aroclor 1232	ND	16	1.9							
Aroclor 1242	ND	16	1.9							
Aroclor 1248	ND	16	1.9							
Aroclor 1254	ND	16	1.9							
Aroclor 1260	ND	16	1.9							
Surrogate: Decachlorobiphenyl	*3.770*			*16.6667*		*22.6*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*6.485*			*16.6667*		*38.9*	*0 - 126.7*			
LCS (B1J0560-BS1)						Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	82.8183	16	1.9	166.556		49.7	22.09 - 132.27			
Aroclor 1260	84.5595	16	1.9	166.556		50.8	34.65 - 124.89			
Surrogate: Decachlorobiphenyl	*4.592*			*16.6556*		*27.6*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*8.041*			*16.6556*		*48.3*	*0 - 126.7*			
Matrix Spike (B1J0560-MS1)			**Source: 2102233-01**			Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	57.5238	16	1.9	166.667	ND	34.5	0 - 150.43			
Aroclor 1260	51.1753	16	1.9	166.667	ND	30.7	0 - 152.89			
Surrogate: Decachlorobiphenyl	*2.992*			*16.6667*		*17.9*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*5.832*			*16.6667*		*35.0*	*0 - 126.7*			
Matrix Spike Dup (B1J0560-MSD1)			**Source: 2102233-01**			Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	55.8807	16	1.9	166.667	ND	33.5	0 - 150.43	2.90	20	
Aroclor 1260	47.8962	16	1.9	166.667	ND	28.7	0 - 152.89	6.62	20	
Surrogate: Decachlorobiphenyl	*2.925*			*16.6667*		*17.5*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*5.981*			*16.6667*		*35.9*	*0 - 126.7*			

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Notes and Definitions

ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

2102199

VISTA ENVIRONMENTAL CONSULTING

PCB Wipe Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10/21/21

Location: March ARB - Building 2 **Project Number:** 21 0210 021

Sampled By: Y. Schmidt **Solvent:** 4Q5

Sample Number	Sample Location	Surface	Sample Container	Sample Area
-01 2-01P	Beneath Wall-Mounted Tank On west half of North Wall	Concrete (½) & Metal Plate (½)	4oz Glass (Pyrex) w/ Teflon lid	10cm x 10cm
-02 2-02P	West half of Central Pad (of 3)	Concrete	↓	10cm x 10cm
-03 2-03P	Base of Middle Pump (of 3) on South side of Room	Concrete	↓	10cm x 10cm
	3 Samples			

Analytical Method: **Aroclors by EPA Method 8082**

Turnaround Time: Same Day 24hr 48 HR 5 day

Data Sent To: Andrew Schmidt **Via E-Mail:** andrew.schmidt@vista-env.com **Questions call:** 714.746.7644

Special Instructions:

CHAIN OF CUSTODY:

	TRANSFER SIGNATURE	TITLE	DATE/TIME
1.		PM	10/21/21 - 10/22/21
2.		ATL	10/22/21 11:05
3.			

Page 1 of 1

VISTA ENVIRONMENTAL CONSULTING

Metals Wipe Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10/21/21

Location: March ARB - Building 2 **Project Number:** 21 0210 021

Sampled By: Y. Schmidt **CDPH No:** 00813, 00814 & 00815

	Sample Number	Sample Location	Surface	Sample Container	Sample Area
-04	2-01	Beneath Wall-Mounted Tank, West Side of North Wall	Concrete	HDPE Centrifuge Tube	12" x 12"
-05	2-02	East half of Central Pad (of 3) where Equipment was removed	↓	↓	↓
-06	2-03	Beneath Wall-Mounted Tank & Pipes, South half of West Wall	↓	↓	↓
		3 Samples			

Analytical Method: **Lead, Chromium and Cadmium by EPA Method 6010B or equivalent**

Turnaround Time: Same Day 24hr 48 HR 5 day

Data Sent To: Andrew Schmidt **Via E-Mail:** andrew.schmidt@vista-env.com **Questions call:** 714.746.7644

Special Instructions:

CHAIN OF CUSTODY:

	Transfer Signature	Title	Date/Time
1.	[signature]	PM	10/21/21
2.	[signature]	ATL	10/22/21 11:04
3.			

Page 1 of 1

ADVANCED TECHNOLOGY LABORATORIES

October 29, 2021

Andrew Schmidt
Vista Environmental
1054 North Tustin Avenue
Anaheim, CA 92807
Tel: (714) 289-2600
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2102200
Client Reference : 21 0210 021

Enclosed are the results for sample(s) received on October 22, 2021 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

for

Amy Leung
Laboratory Director

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
3-01	2102200-01	Wipe	10/21/21 0:00	10/22/21 11:04
3-02	2102200-02	Wipe	10/21/21 0:00	10/22/21 11:04

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Client Sample ID 3-01
Lab ID: 2102200-01

Total Metals by ICP-AES EPA 6010B **Analyst: en**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Cadmium	ND	2.0	1	B1J0588	10/28/2021	10/29/21 16:58	
Chromium	**3.6**	2.0	1	B1J0588	10/28/2021	10/29/21 16:58	
Lead	**5.7**	2.0	1	B1J0588	10/28/2021	10/29/21 16:58	

Client Sample ID 3-02
Lab ID: 2102200-02

Total Metals by ICP-AES EPA 6010B **Analyst: en**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Cadmium	ND	2.0	1	B1J0588	10/28/2021	10/29/21 17:00	
Chromium	**4.9**	2.0	1	B1J0588	10/28/2021	10/29/21 17:00	
Lead	**8.0**	2.0	1	B1J0588	10/28/2021	10/29/21 17:00	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B1J0588 - EPA 3050B_S										
Blank (B1J0588-BLK1)						Prepared: 10/28/2021 Analyzed: 10/29/2021				
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Lead	ND	1.0	0.18							
LCS (B1J0588-BS1)						Prepared: 10/28/2021 Analyzed: 10/29/2021				
Cadmium	23.1445	1.0	0.14	25.0000		92.6	80 - 120			
Chromium	23.0591	1.0	0.26	25.0000		92.2	80 - 120			
Lead	23.7192	1.0	0.18	25.0000		94.9	80 - 120			
Matrix Spike (B1J0588-MS1)			**Source: 2102235-01**			Prepared: 10/28/2021 Analyzed: 10/29/2021				
Cadmium	22.5347	1.0	0.14	25.0000	0.701337	87.3	62 - 116			
Chromium	35.7605	1.0	0.26	25.0000	11.6208	96.6	42 - 145			
Lead	43.2232	1.0	0.18	25.0000	24.6381	74.3	26 - 161			
Matrix Spike Dup (B1J0588-MSD1)			**Source: 2102235-01**			Prepared: 10/28/2021 Analyzed: 10/29/2021				
Cadmium	22.3497	1.0	0.14	25.0000	0.701337	86.6	62 - 116	0.824	20	
Chromium	36.0511	1.0	0.26	25.0000	11.6208	97.7	42 - 145	0.809	20	
Lead	43.1886	1.0	0.18	25.0000	24.6381	74.2	26 - 161	0.0800	20	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Notes and Definitions

ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

Metals Wipe Sample Log 2102200

VISTA ENVIRONMENTAL CONSULTING

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10/21/21

Location: March ARB - Building 3 **Project Number:** 21 0210 021

Sampled By: Y. Schmidt **CDPH No:** 00813, 00814 & 00815

Sample Number	Sample Location	Surface	Sample Container	Sample Area
3-01	West Room, middle of Room	Concrete	PDPE centrifuge tube	12" x 12"
3-02	Room next to West Room, middle of room	↓	↓	↓
	2 Samples			

Analytical Method: **Lead, Chromium and Cadmium by EPA Method 6010B or equivalent**

Turnaround Time: Same Day 24hr 48 HR 5 day

Data Sent To: Andrew Schmidt **Via E-Mail:** andrew.schmidt@vista-env.com **Questions call:** 714.746.7644

Special Instructions:

CHAIN OF CUSTODY:

	TRANSFER SIGNATURE	TITLE	DATE/TIME
1.	Andrew R. Schmidt	PM	10/21/21 – 10/22/21
2.		ATL	10/22/21 11:04
3.			

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ADVANCED TECHNOLOGY LABORATORIES

October 29, 2021

Andrew Schmidt
Vista Environmental
1054 North Tustin Avenue
Anaheim, CA 92807
Tel: (714) 289-2600
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2102203
Client Reference : 21 0210 021

Enclosed are the results for sample(s) received on October 22, 2021 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

for

Amy Leung
Laboratory Director

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5-01p	2102203-01	Wipe	10/21/21 0:00	10/22/21 11:05
5-02p	2102203-02	Wipe	10/21/21 0:00	10/22/21 11:05
5-03p	2102203-03	Wipe	10/21/21 0:00	10/22/21 11:05
5-01	2102203-04	Wipe	10/21/21 0:00	10/22/21 11:05
5-02	2102203-05	Wipe	10/21/21 0:00	10/22/21 11:05
5-03	2102203-06	Wipe	10/21/21 0:00	10/22/21 11:05

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Client Sample ID 5-01p
Lab ID: 2102203-01

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	480	1	B1J0560	10/27/2021	10/27/21 18:12	
Aroclor 1221	ND	480	1	B1J0560	10/27/2021	10/27/21 18:12	
Aroclor 1232	ND	480	1	B1J0560	10/27/2021	10/27/21 18:12	
Aroclor 1242	ND	480	1	B1J0560	10/27/2021	10/27/21 18:12	
Aroclor 1248	ND	480	1	B1J0560	10/27/2021	10/27/21 18:12	
Aroclor 1254	ND	480	1	B1J0560	10/27/2021	10/27/21 18:12	
Aroclor 1260	ND	480	1	B1J0560	10/27/2021	10/27/21 18:12	
Surrogate: Decachlorobiphenyl	*19.4 %*	*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 18:12*	
Surrogate: Tetrachloro-m-xylene	*35.8 %*	*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 18:12*	

Client Sample ID 5-02p
Lab ID: 2102203-02

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	490	1	B1J0560	10/27/2021	10/27/21 18:31	
Aroclor 1221	ND	490	1	B1J0560	10/27/2021	10/27/21 18:31	
Aroclor 1232	ND	490	1	B1J0560	10/27/2021	10/27/21 18:31	
Aroclor 1242	ND	490	1	B1J0560	10/27/2021	10/27/21 18:31	
Aroclor 1248	ND	490	1	B1J0560	10/27/2021	10/27/21 18:31	
Aroclor 1254	ND	490	1	B1J0560	10/27/2021	10/27/21 18:31	
Aroclor 1260	ND	490	1	B1J0560	10/27/2021	10/27/21 18:31	
Surrogate: Decachlorobiphenyl	*23.2 %*	*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 18:31*	
Surrogate: Tetrachloro-m-xylene	*40.1 %*	*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 18:31*	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Client Sample ID 5-03p
Lab ID: 2102203-03

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	480	1	B1J0560	10/27/2021	10/27/21 18:50	
Aroclor 1221	ND	480	1	B1J0560	10/27/2021	10/27/21 18:50	
Aroclor 1232	ND	480	1	B1J0560	10/27/2021	10/27/21 18:50	
Aroclor 1242	ND	480	1	B1J0560	10/27/2021	10/27/21 18:50	
Aroclor 1248	ND	480	1	B1J0560	10/27/2021	10/27/21 18:50	
Aroclor 1254	ND	480	1	B1J0560	10/27/2021	10/27/21 18:50	
Aroclor 1260	ND	480	1	B1J0560	10/27/2021	10/27/21 18:50	
Surrogate: Decachlorobiphenyl	*26.6 %*	*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 18:50*	
Surrogate: Tetrachloro-m-xylene	*46.4 %*	*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 18:50*	

Client Sample ID 5-01
Lab ID: 2102203-04

Total Metals by ICP-AES EPA 6010B — **Analyst: en**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Cadmium	**310**	2.0	1	B1J0588	10/28/2021	10/29/21 17:05	
Chromium	**11**	2.0	1	B1J0588	10/28/2021	10/29/21 17:05	
Lead	**71**	2.0	1	B1J0588	10/28/2021	10/29/21 17:05	

Client Sample ID 5-02
Lab ID: 2102203-05

Total Metals by ICP-AES EPA 6010B — **Analyst: en**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Cadmium	**4.1**	2.0	1	B1J0588	10/28/2021	10/29/21 17:06	
Chromium	**8.2**	2.0	1	B1J0588	10/28/2021	10/29/21 17:06	
Lead	**65**	2.0	1	B1J0588	10/28/2021	10/29/21 17:06	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Client Sample ID 5-03
Lab ID: 2102203-06

Total Metals by ICP-AES EPA 6010B **Analyst: en**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Cadmium	**25**	2.0	1	B1J0588	10/28/2021	10/29/21 17:08	
Chromium	**11**	2.0	1	B1J0588	10/28/2021	10/29/21 17:08	
Lead	**52**	2.0	1	B1J0588	10/28/2021	10/29/21 17:08	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

QUALITY CONTROL SECTION

Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B1J0560 - GCSEMI_PCB/PEST_S										
Blank (B1J0560-BLK1)						Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	ND	16	1.9							
Aroclor 1221	ND	16	1.9							
Aroclor 1232	ND	16	1.9							
Aroclor 1242	ND	16	1.9							
Aroclor 1248	ND	16	1.9							
Aroclor 1254	ND	16	1.9							
Aroclor 1260	ND	16	1.9							
Surrogate: Decachlorobiphenyl	*3.770*			*16.6667*		*22.6*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*6.485*			*16.6667*		*38.9*	*0 - 126.7*			
LCS (B1J0560-BS1)						Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	82.8183	16	1.9	166.556		49.7	22.09 - 132.27			
Aroclor 1260	84.5595	16	1.9	166.556		50.8	34.65 - 124.89			
Surrogate: Decachlorobiphenyl	*4.592*			*16.6556*		*27.6*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*8.041*			*16.6556*		*48.3*	*0 - 126.7*			
Matrix Spike (B1J0560-MS1)			**Source: 2102233-01**			Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	57.5238	16	1.9	166.667	ND	34.5	0 - 150.43			
Aroclor 1260	51.1753	16	1.9	166.667	ND	30.7	0 - 152.89			
Surrogate: Decachlorobiphenyl	*2.992*			*16.6667*		*17.9*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*5.832*			*16.6667*		*35.0*	*0 - 126.7*			
Matrix Spike Dup (B1J0560-MSD1)			**Source: 2102233-01**			Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	55.8807	16	1.9	166.667	ND	33.5	0 - 150.43	2.90	20	
Aroclor 1260	47.8962	16	1.9	166.667	ND	28.7	0 - 152.89	6.62	20	
Surrogate: Decachlorobiphenyl	*2.925*			*16.6667*		*17.5*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*5.981*			*16.6667*		*35.9*	*0 - 126.7*			

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Notes and Definitions

ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

PCB Wipe Sample Log

VISTA ENVIRONMENTAL CONSULTING

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10/21/21

Location: March ARB - Building 5 **Project Number:** 21 0210 021

Sampled By: Y. Schmidt **Solvent:** Yes

Sample Number	Sample Location	Surface	Sample Container	Sample Area
-01 5-01P	NW exterior transformer, exposed pad w/ staining on East side	Concrete	40z Pyrex w/ Teflon Lid	10cmx10cm
—		—		—
-02 5-02P	Center/North Room, between North Panels and transformer core on ground	Concrete		10cmx10cm
—		—		—
-03 5-03P	Floor inside cabinet of transformer switchgear box, Center/South Room	Concrete		10cmx10cm
	3 Samples			

Analytical Method: **Aroclors by EPA Method 8082**

Turnaround Time: Same Day 24hr 48 HR 5 day

Data Sent To: Andrew Schmidt **Via E-Mail:** andrew.schmidt@vista-env.com **Questions call:** 714.746.7644

Special Instructions:

CHAIN OF CUSTODY:

	TRANSFER SIGNATURE	TITLE	DATE/TIME
1.		PM	10/21/21 – 10/22/21
2.		ATL	10/22/21 11:05
3.			

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210 2203

VISTA ENVIRONMENTAL CONSULTING

Metals Wipe Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10/21/21

Location: March ARB - Building 5 **Project Number:** 21 0210 021

Sampled By: Y. Schmidt **CDPH No:** 00813, 00814 & 00815

Sample Number	Sample Location	Surface	Sample Container	Sample Area
-04 S-01	Center/South Room, Floor in Front of Switchgear Box	Concrete	HDPE Centrifuge Tube	12" x 12"
-05 S-02	Floor in Front of North Panels, Center/North Room	↓	↓	↓
-06 S-03	Floor in Front of Central Sheet Metal Equipment, North Room	↓	↓	↓
	3 Samples			

Analytical Method: **Lead, Chromium and Cadmium by EPA Method 6010B or equivalent**

Turnaround Time: Same Day 24hr 48 HR (5 day)

Data Sent To: Andrew Schmidt **Via E-Mail:** andrew.schmidt@vista-env.com **Questions call:** 714.746.7644

Special Instructions: _____

CHAIN OF CUSTODY:

	TRANSFER SIGNATURE	TITLE	DATE/TIME
1.	Yvonne C. Schmidt	PM	10/21/21
2.	[signature]	ATL	10/22/21 11:04
3.			

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ATTACHMENT D -
PCB WIPE SAMPLES - ANALYTICAL REPORT

ADVANCED TECHNOLOGY LABORATORIES

October 29, 2021

Andrew Schmidt
Vista Environmental
1054 North Tustin Avenue
Anaheim, CA 92807
Tel: (714) 289-2600
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2102199
Client Reference : 21 0210 021

Enclosed are the results for sample(s) received on October 22, 2021 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

for

Amy Leung
Laboratory Director

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
2-01p	2102199-01	Wipe	10/21/21 0:00	10/22/21 11:05
2-02p	2102199-02	Wipe	10/21/21 0:00	10/22/21 11:05
2-03p	2102199-03	Wipe	10/21/21 0:00	10/22/21 11:05
2-01	2102199-04	Wipe	10/21/21 0:00	10/22/21 11:05
2-02	2102199-05	Wipe	10/21/21 0:00	10/22/21 11:05
2-03	2102199-06	Wipe	10/21/21 0:00	10/22/21 11:05

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Client Sample ID 2-01p
Lab ID: 2102199-01

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016		ND	490	1	B1J0560	10/27/2021	10/27/21 16:00	
Aroclor 1221		ND	490	1	B1J0560	10/27/2021	10/27/21 16:00	
Aroclor 1232		ND	490	1	B1J0560	10/27/2021	10/27/21 16:00	
Aroclor 1242		ND	490	1	B1J0560	10/27/2021	10/27/21 16:00	
Aroclor 1248		ND	490	1	B1J0560	10/27/2021	10/27/21 16:00	
Aroclor 1254		ND	490	1	B1J0560	10/27/2021	10/27/21 16:00	
Aroclor 1260		ND	490	1	B1J0560	10/27/2021	10/27/21 16:00	
Surrogate: Decachlorobiphenyl	*27.5 %*		*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 16:00*	
Surrogate: Tetrachloro-m-xylene	*49.2 %*		*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 16:00*	

Client Sample ID 2-02p
Lab ID: 2102199-02

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte		Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016		ND	490	1	B1J0560	10/27/2021	10/27/21 16:19	
Aroclor 1221		ND	490	1	B1J0560	10/27/2021	10/27/21 16:19	
Aroclor 1232		ND	490	1	B1J0560	10/27/2021	10/27/21 16:19	
Aroclor 1242		ND	490	1	B1J0560	10/27/2021	10/27/21 16:19	
Aroclor 1248		ND	490	1	B1J0560	10/27/2021	10/27/21 16:19	
Aroclor 1254		ND	490	1	B1J0560	10/27/2021	10/27/21 16:19	
Aroclor 1260		ND	490	1	B1J0560	10/27/2021	10/27/21 16:19	
Surrogate: Decachlorobiphenyl	*25.2 %*		*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 16:19*	
Surrogate: Tetrachloro-m-xylene	*49.0 %*		*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 16:19*	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Client Sample ID 2-03p
Lab ID: 2102199-03

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	480	1	B1J0560	10/27/2021	10/27/21 16:38	
Aroclor 1221	ND	480	1	B1J0560	10/27/2021	10/27/21 16:38	
Aroclor 1232	ND	480	1	B1J0560	10/27/2021	10/27/21 16:38	
Aroclor 1242	ND	480	1	B1J0560	10/27/2021	10/27/21 16:38	
Aroclor 1248	ND	480	1	B1J0560	10/27/2021	10/27/21 16:38	
Aroclor 1254	ND	480	1	B1J0560	10/27/2021	10/27/21 16:38	
Aroclor 1260	ND	480	1	B1J0560	10/27/2021	10/27/21 16:38	
Surrogate: Decachlorobiphenyl	*29.2 %*	*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 16:38*	
Surrogate: Tetrachloro-m-xylene	*50.1 %*	*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 16:38*	

Client Sample ID 2-01
Lab ID: 2102199-04

Total Metals by ICP-AES EPA 6010B — **Analyst: en**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Cadmium	ND	2.0	1	B1J0588	10/28/2021	10/29/21 16:53	
Chromium	**6.8**	2.0	1	B1J0588	10/28/2021	10/29/21 16:53	
Lead	**25**	2.0	1	B1J0588	10/28/2021	10/29/21 16:53	

Client Sample ID 2-02
Lab ID: 2102199-05

Total Metals by ICP-AES EPA 6010B — **Analyst: en**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Cadmium	**3.0**	2.0	1	B1J0588	10/28/2021	10/29/21 16:55	
Chromium	**25**	2.0	1	B1J0588	10/28/2021	10/29/21 16:55	
Lead	**220**	2.0	1	B1J0588	10/28/2021	10/29/21 16:55	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Client Sample ID 2-03
Lab ID: 2102199-06

Total Metals by ICP-AES EPA 6010B **Analyst: en**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Cadmium	ND	2.0	1	B1J0588	10/28/2021	10/29/21 16:57	
Chromium	**11**	2.0	1	B1J0588	10/28/2021	10/29/21 16:57	
Lead	**55**	2.0	1	B1J0588	10/28/2021	10/29/21 16:57	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B1J0588 - EPA 3050B_S										
Blank (B1J0588-BLK1)						Prepared: 10/28/2021 Analyzed: 10/29/2021				
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Lead	ND	1.0	0.18							
LCS (B1J0588-BS1)						Prepared: 10/28/2021 Analyzed: 10/29/2021				
Cadmium	23.1445	1.0	0.14	25.0000		92.6	80 - 120			
Chromium	23.0591	1.0	0.26	25.0000		92.2	80 - 120			
Lead	23.7192	1.0	0.18	25.0000		94.9	80 - 120			
Matrix Spike (B1J0588-MS1)			**Source: 2102235-01**			Prepared: 10/28/2021 Analyzed: 10/29/2021				
Cadmium	22.5347	1.0	0.14	25.0000	0.701337	87.3	62 - 116			
Chromium	35.7605	1.0	0.26	25.0000	11.6208	96.6	42 - 145			
Lead	43.2232	1.0	0.18	25.0000	24.6381	74.3	26 - 161			
Matrix Spike Dup (B1J0588-MSD1)			**Source: 2102235-01**			Prepared: 10/28/2021 Analyzed: 10/29/2021				
Cadmium	22.3497	1.0	0.14	25.0000	0.701337	86.6	62 - 116	0.824	20	
Chromium	36.0511	1.0	0.26	25.0000	11.6208	97.7	42 - 145	0.809	20	
Lead	43.1886	1.0	0.18	25.0000	24.6381	74.2	26 - 161	0.0800	20	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B1J0560 - GCSEMI_PCB/PEST_S										
Blank (B1J0560-BLK1)						Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	ND	16	1.9							
Aroclor 1221	ND	16	1.9							
Aroclor 1232	ND	16	1.9							
Aroclor 1242	ND	16	1.9							
Aroclor 1248	ND	16	1.9							
Aroclor 1254	ND	16	1.9							
Aroclor 1260	ND	16	1.9							
Surrogate: Decachlorobiphenyl	*3.770*			*16.6667*		*22.6*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*6.485*			*16.6667*		*38.9*	*0 - 126.7*			
LCS (B1J0560-BS1)						Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	82.8183	16	1.9	166.556		49.7	22.09 - 132.27			
Aroclor 1260	84.5595	16	1.9	166.556		50.8	34.65 - 124.89			
Surrogate: Decachlorobiphenyl	*4.592*			*16.6556*		*27.6*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*8.041*			*16.6556*		*48.3*	*0 - 126.7*			
Matrix Spike (B1J0560-MS1)			**Source: 2102233-01**			Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	57.5238	16	1.9	166.667	ND	34.5	0 - 150.43			
Aroclor 1260	51.1753	16	1.9	166.667	ND	30.7	0 - 152.89			
Surrogate: Decachlorobiphenyl	*2.992*			*16.6667*		*17.9*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*5.832*			*16.6667*		*35.0*	*0 - 126.7*			
Matrix Spike Dup (B1J0560-MSD1)			**Source: 2102233-01**			Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	55.8807	16	1.9	166.667	ND	33.5	0 - 150.43	2.90	20	
Aroclor 1260	47.8962	16	1.9	166.667	ND	28.7	0 - 152.89	6.62	20	
Surrogate: Decachlorobiphenyl	*2.925*			*16.6667*		*17.5*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*5.981*			*16.6667*		*35.9*	*0 - 126.7*			

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Notes and Definitions

ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

2102199

VISTA ENVIRONMENTAL CONSULTING

PCB Wipe Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10/21/21

Location: March ARB - Building 2 **Project Number:** 21 0210 021

Sampled By: Y. Schmidt **Solvent:** 4Q5

Sample Number	Sample Location	Surface	Sample Container	Sample Area
-01 2-01P	Beneath Wall-Mounted Tank On west half of North Wall	Concrete (½) & Metal Plate (½)	4oz Glass (Pyrex) w/ Teflon lid	10cm x 10cm
-02 2-02P	West half of Central Pad (of 3)	Concrete	↓	10cm x 10cm
-03 2-03P	Base of Middle Pump (of 3) on South side of Room	Concrete	↓	10cm x 10cm
	3 Samples			

Analytical Method: **Aroclors by EPA Method 8082**

Turnaround Time: Same Day 24hr 48 HR 5 day

Data Sent To: Andrew Schmidt **Via E-Mail:** andrew.schmidt@vista-env.com **Questions call:** 714.746.7644

Special Instructions:

CHAIN OF CUSTODY:

	TRANSFER SIGNATURE	TITLE	DATE/TIME
1.		PM	10/21/21 - 10/22/21
2.		ATL	10/22/21 11:05
3.			

Page 1 of 1

VISTA ENVIRONMENTAL CONSULTING

Metals Wipe Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10/21/21

Location: March ARB - Building 2 **Project Number:** 21 0210 021

Sampled By: Y. Schmidt **CDPH No:** 00813, 00814 & 00815

	Sample Number	Sample Location	Surface	Sample Container	Sample Area
-04	2-01	Beneath Wall-Mounted Tank, West Side of North Wall	Concrete	HDPE Centrifuge Tube	12" x 12"
-05	2-02	East half of Central Pad (of 3) where equipment was removed	↓	↓	↓
-06	2-03	Beneath Wall-Mounted Tank & Pipes, South half of West Wall	↓	↓	↓
		3 Samples			

Analytical Method: **Lead, Chromium and Cadmium by EPA Method 6010B or equivalent**

Turnaround Time: Same Day 24hr 48 HR 5 day

Data Sent To: Andrew Schmidt **Via E-Mail:** andrew.schmidt@vista-env.com **Questions call:** 714.746.7644

Special Instructions:

CHAIN OF CUSTODY:

	TRANSFER SIGNATURE	TITLE	DATE/TIME
1.	[signature]	PM	10/21/21
2.	[signature]	ATL	10/22/21 11:04
3.			

Page 1 of 1

ADVANCED TECHNOLOGY LABORATORIES

October 28, 2021

Andrew Schmidt
Vista Environmental
1054 North Tustin Avenue
Anaheim, CA 92807
Tel: (714) 289-2600
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2102202
Client Reference : 21 0210 021

Enclosed are the results for sample(s) received on October 22, 2021 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

for

Amy Leung
Laboratory Director

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/28/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
4-01p	2102202-01	Wipe	10/21/21 0:00	10/22/21 11:05
4-02p	2102202-02	Wipe	10/21/21 0:00	10/22/21 11:05

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/28/2021

Client Sample ID 4-01p
Lab ID: 2102202-01

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	490	1	B1J0560	10/27/2021	10/27/21 17:34	
Aroclor 1221	ND	490	1	B1J0560	10/27/2021	10/27/21 17:34	
Aroclor 1232	ND	490	1	B1J0560	10/27/2021	10/27/21 17:34	
Aroclor 1242	ND	490	1	B1J0560	10/27/2021	10/27/21 17:34	
Aroclor 1248	ND	490	1	B1J0560	10/27/2021	10/27/21 17:34	
Aroclor 1254	ND	490	1	B1J0560	10/27/2021	10/27/21 17:34	
Aroclor 1260	ND	490	1	B1J0560	10/27/2021	10/27/21 17:34	
Surrogate: Decachlorobiphenyl	*69.0 %*	*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 17:34*	
Surrogate: Tetrachloro-m-xylene	*42.3 %*	*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 17:34*	

Client Sample ID 4-02p
Lab ID: 2102202-02

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	490	1	B1J0560	10/27/2021	10/27/21 17:53	
Aroclor 1221	ND	490	1	B1J0560	10/27/2021	10/27/21 17:53	
Aroclor 1232	ND	490	1	B1J0560	10/27/2021	10/27/21 17:53	
Aroclor 1242	ND	490	1	B1J0560	10/27/2021	10/27/21 17:53	
Aroclor 1248	ND	490	1	B1J0560	10/27/2021	10/27/21 17:53	
Aroclor 1254	ND	490	1	B1J0560	10/27/2021	10/27/21 17:53	
Aroclor 1260	ND	490	1	B1J0560	10/27/2021	10/27/21 17:53	
Surrogate: Decachlorobiphenyl	*33.2 %*	*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 17:53*	
Surrogate: Tetrachloro-m-xylene	*56.9 %*	*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 17:53*	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/28/2021

QUALITY CONTROL SECTION

Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B1J0560 - GCSEMI_PCB/PEST_S										
Blank (B1J0560-BLK1)						Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	ND	16	1.9							
Aroclor 1221	ND	16	1.9							
Aroclor 1232	ND	16	1.9							
Aroclor 1242	ND	16	1.9							
Aroclor 1248	ND	16	1.9							
Aroclor 1254	ND	16	1.9							
Aroclor 1260	ND	16	1.9							
Surrogate: Decachlorobiphenyl	*3.770*			*16.6667*		*22.6*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*6.485*			*16.6667*		*38.9*	*0 - 126.7*			
LCS (B1J0560-BS1)						Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	82.8183	16	1.9	166.556		49.7	22.09 - 132.27			
Aroclor 1260	84.5595	16	1.9	166.556		50.8	34.65 - 124.89			
Surrogate: Decachlorobiphenyl	*4.592*			*16.6556*		*27.6*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*8.041*			*16.6556*		*48.3*	*0 - 126.7*			
Matrix Spike (B1J0560-MS1)			**Source: 2102233-01**			Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	57.5238	16	1.9	166.667	ND	34.5	0 - 150.43			
Aroclor 1260	51.1753	16	1.9	166.667	ND	30.7	0 - 152.89			
Surrogate: Decachlorobiphenyl	*2.992*			*16.6667*		*17.9*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*5.832*			*16.6667*		*35.0*	*0 - 126.7*			
Matrix Spike Dup (B1J0560-MSD1)			**Source: 2102233-01**			Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	55.8807	16	1.9	166.667	ND	33.5	0 - 150.43	2.90	20	
Aroclor 1260	47.8962	16	1.9	166.667	ND	28.7	0 - 152.89	6.62	20	
Surrogate: Decachlorobiphenyl	*2.925*			*16.6667*		*17.5*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*5.981*			*16.6667*		*35.9*	*0 - 126.7*			

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/28/2021

Notes and Definitions

ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

21022702

VISTA ENVIRONMENTAL CONSULTING

PCB Wipe Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10/21/21

Location: March ARB - Building 4 **Project Number:** 21 0210 021

Sampled By: Y. Schmidt **Solvent:** Yes

Sample Number	Sample Location	Surface	Sample Container	Sample Area
4-01P	East Room, base of West (of 2) Generator	Concrete	4oz Pyrex w/Teflon Lid	10cm x 10cm
4-02P	East Room, base of E-Panels on West side of Room	↓	↓	↓
	2 Samples			

Analytical Method: **Aroclors by EPA Method 8082**

Turnaround Time: Same Day 24hr 48 HR 5 day

Data Sent To: Andrew Schmidt **Via E-Mail:** andrew.schmidt@vista-env.com **Questions call:** 714.746.7644

Special Instructions:

CHAIN OF CUSTODY:

	TRANSFER SIGNATURE	TITLE	DATE/TIME
1.	Jean A. Schmidt	PM	10/21/21 - 10/22/21
2.		ATL	10/22/21 11:05
3.			

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ADVANCED TECHNOLOGY LABORATORIES

October 28, 2021

Andrew Schmidt
Vista Environmental
1054 North Tustin Avenue
Anaheim, CA 92807
Tel: (714) 289-2600
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2102201
Client Reference : 21 0210 021

Enclosed are the results for sample(s) received on October 22, 2021 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

for

Amy Leung
Laboratory Director

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/28/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
4-03P	2102201-01	Wipe	10/21/21 0:00	10/22/21 11:05
4-04P	2102201-02	Wipe	10/21/21 0:00	10/22/21 11:05

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/28/2021

Client Sample ID 4-03P
Lab ID: 2102201-01

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	490	1	B1J0560	10/27/2021	10/27/21 16:57	
Aroclor 1221	ND	490	1	B1J0560	10/27/2021	10/27/21 16:57	
Aroclor 1232	ND	490	1	B1J0560	10/27/2021	10/27/21 16:57	
Aroclor 1242	ND	490	1	B1J0560	10/27/2021	10/27/21 16:57	
Aroclor 1248	ND	490	1	B1J0560	10/27/2021	10/27/21 16:57	
Aroclor 1254	ND	490	1	B1J0560	10/27/2021	10/27/21 16:57	
Aroclor 1260	ND	490	1	B1J0560	10/27/2021	10/27/21 16:57	
Surrogate: Decachlorobiphenyl	*37.2 %*	*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 16:57*	
Surrogate: Tetrachloro-m-xylene	*56.0 %*	*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 16:57*	

Client Sample ID 4-04P
Lab ID: 2102201-02

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	480	1	B1J0560	10/27/2021	10/27/21 17:15	
Aroclor 1221	ND	480	1	B1J0560	10/27/2021	10/27/21 17:15	
Aroclor 1232	ND	480	1	B1J0560	10/27/2021	10/27/21 17:15	
Aroclor 1242	ND	480	1	B1J0560	10/27/2021	10/27/21 17:15	
Aroclor 1248	ND	480	1	B1J0560	10/27/2021	10/27/21 17:15	
Aroclor 1254	ND	480	1	B1J0560	10/27/2021	10/27/21 17:15	
Aroclor 1260	ND	480	1	B1J0560	10/27/2021	10/27/21 17:15	
Surrogate: Decachlorobiphenyl	*40.1 %*	*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 17:15*	
Surrogate: Tetrachloro-m-xylene	*36.5 %*	*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 17:15*	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/28/2021

QUALITY CONTROL SECTION

Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B1J0560 - GCSEMI_PCB/PEST_S										
Blank (B1J0560-BLK1)						Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	ND	16	1.9							
Aroclor 1221	ND	16	1.9							
Aroclor 1232	ND	16	1.9							
Aroclor 1242	ND	16	1.9							
Aroclor 1248	ND	16	1.9							
Aroclor 1254	ND	16	1.9							
Aroclor 1260	ND	16	1.9							
Surrogate: Decachlorobiphenyl	*3.770*			*16.6667*		*22.6*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*6.485*			*16.6667*		*38.9*	*0 - 126.7*			
LCS (B1J0560-BS1)						Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	82.8183	16	1.9	166.556		49.7	22.09 - 132.27			
Aroclor 1260	84.5595	16	1.9	166.556		50.8	34.65 - 124.89			
Surrogate: Decachlorobiphenyl	*4.592*			*16.6556*		*27.6*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*8.041*			*16.6556*		*48.3*	*0 - 126.7*			
Matrix Spike (B1J0560-MS1)			**Source: 2102233-01**			Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	57.5238	16	1.9	166.667	ND	34.5	0 - 150.43			
Aroclor 1260	51.1753	16	1.9	166.667	ND	30.7	0 - 152.89			
Surrogate: Decachlorobiphenyl	*2.992*			*16.6667*		*17.9*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*5.832*			*16.6667*		*35.0*	*0 - 126.7*			
Matrix Spike Dup (B1J0560-MSD1)			**Source: 2102233-01**			Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	55.8807	16	1.9	166.667	ND	33.5	0 - 150.43	2.90	20	
Aroclor 1260	47.8962	16	1.9	166.667	ND	28.7	0 - 152.89	6.62	20	
Surrogate: Decachlorobiphenyl	*2.925*			*16.6667*		*17.5*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*5.981*			*16.6667*		*35.9*	*0 - 126.7*			

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/28/2021

Notes and Definitions

ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

2102201

VISTA ENVIRONMENTAL CONSULTING

PCB Wipe Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10/21/21

Location: March ARB - Building 4 (2nd Episode) **Project Number:** 21 0210 021

Sampled By: Y. Schmidt **Solvent:** Yes

Sample Number	Sample Location	Surface	Sample Container	Sample Area
4-03P	West Room, middle of Room, among old equipment mountings	Concrete	4 oz pyrex w/ Teflon Lid	10cm x 10cm
"	"	"	"	"
4-04P	Room next to West Room, middle of Room	Concrete	"	10cm x 10cm
	2 Samples			

Analytical Method: **Aroclors by EPA Method 8082**

Turnaround Time: Same Day 24hr 48 HR 5 day

Data Sent To: Andrew Schmidt **Via E-Mail:** andrew.schmidt@vista-env.com **Questions call:** 714.746.7644

Special Instructions:

CHAIN OF CUSTODY:

	TRANSFER SIGNATURE	TITLE	DATE/TIME
1.		PM	10/21/21 ~ 10/22/21
2.		ATL	10/22/21 11:05
3.			

Page 1 of 1

ADVANCED TECHNOLOGY LABORATORIES

October 29, 2021

Andrew Schmidt
Vista Environmental
1054 North Tustin Avenue
Anaheim, CA 92807
Tel: (714) 289-2600
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2102203
Client Reference : 21 0210 021

Enclosed are the results for sample(s) received on October 22, 2021 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

for

Amy Leung
Laboratory Director

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5-01p	2102203-01	Wipe	10/21/21 0:00	10/22/21 11:05
5-02p	2102203-02	Wipe	10/21/21 0:00	10/22/21 11:05
5-03p	2102203-03	Wipe	10/21/21 0:00	10/22/21 11:05
5-01	2102203-04	Wipe	10/21/21 0:00	10/22/21 11:05
5-02	2102203-05	Wipe	10/21/21 0:00	10/22/21 11:05
5-03	2102203-06	Wipe	10/21/21 0:00	10/22/21 11:05

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Client Sample ID 5-01p
Lab ID: 2102203-01

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	480	1	B1J0560	10/27/2021	10/27/21 18:12	
Aroclor 1221	ND	480	1	B1J0560	10/27/2021	10/27/21 18:12	
Aroclor 1232	ND	480	1	B1J0560	10/27/2021	10/27/21 18:12	
Aroclor 1242	ND	480	1	B1J0560	10/27/2021	10/27/21 18:12	
Aroclor 1248	ND	480	1	B1J0560	10/27/2021	10/27/21 18:12	
Aroclor 1254	ND	480	1	B1J0560	10/27/2021	10/27/21 18:12	
Aroclor 1260	ND	480	1	B1J0560	10/27/2021	10/27/21 18:12	
Surrogate: Decachlorobiphenyl	*19.4 %*	*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 18:12*	
Surrogate: Tetrachloro-m-xylene	*35.8 %*	*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 18:12*	

Client Sample ID 5-02p
Lab ID: 2102203-02

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	490	1	B1J0560	10/27/2021	10/27/21 18:31	
Aroclor 1221	ND	490	1	B1J0560	10/27/2021	10/27/21 18:31	
Aroclor 1232	ND	490	1	B1J0560	10/27/2021	10/27/21 18:31	
Aroclor 1242	ND	490	1	B1J0560	10/27/2021	10/27/21 18:31	
Aroclor 1248	ND	490	1	B1J0560	10/27/2021	10/27/21 18:31	
Aroclor 1254	ND	490	1	B1J0560	10/27/2021	10/27/21 18:31	
Aroclor 1260	ND	490	1	B1J0560	10/27/2021	10/27/21 18:31	
Surrogate: Decachlorobiphenyl	*23.2 %*	*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 18:31*	
Surrogate: Tetrachloro-m-xylene	*40.1 %*	*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 18:31*	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Client Sample ID 5-03p
Lab ID: 2102203-03

Polychlorinated Biphenyls by EPA 8082 — **Analyst: RM**

Analyte	Result (ug/kg)	PQL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	480	1	B1J0560	10/27/2021	10/27/21 18:50	
Aroclor 1221	ND	480	1	B1J0560	10/27/2021	10/27/21 18:50	
Aroclor 1232	ND	480	1	B1J0560	10/27/2021	10/27/21 18:50	
Aroclor 1242	ND	480	1	B1J0560	10/27/2021	10/27/21 18:50	
Aroclor 1248	ND	480	1	B1J0560	10/27/2021	10/27/21 18:50	
Aroclor 1254	ND	480	1	B1J0560	10/27/2021	10/27/21 18:50	
Aroclor 1260	ND	480	1	B1J0560	10/27/2021	10/27/21 18:50	
Surrogate: Decachlorobiphenyl	*26.6 %*	*0 - 128.73*		B1J0560	10/27/2021	*10/27/21 18:50*	
Surrogate: Tetrachloro-m-xylene	*46.4 %*	*0 - 126.7*		B1J0560	10/27/2021	*10/27/21 18:50*	

Client Sample ID 5-01
Lab ID: 2102203-04

Total Metals by ICP-AES EPA 6010B — **Analyst: en**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Cadmium	**310**	2.0	1	B1J0588	10/28/2021	10/29/21 17:05	
Chromium	**11**	2.0	1	B1J0588	10/28/2021	10/29/21 17:05	
Lead	**71**	2.0	1	B1J0588	10/28/2021	10/29/21 17:05	

Client Sample ID 5-02
Lab ID: 2102203-05

Total Metals by ICP-AES EPA 6010B — **Analyst: en**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Cadmium	**4.1**	2.0	1	B1J0588	10/28/2021	10/29/21 17:06	
Chromium	**8.2**	2.0	1	B1J0588	10/28/2021	10/29/21 17:06	
Lead	**65**	2.0	1	B1J0588	10/28/2021	10/29/21 17:06	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Client Sample ID 5-03
Lab ID: 2102203-06

Total Metals by ICP-AES EPA 6010B **Analyst: en**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Cadmium	**25**	2.0	1	B1J0588	10/28/2021	10/29/21 17:08	
Chromium	**11**	2.0	1	B1J0588	10/28/2021	10/29/21 17:08	
Lead	**52**	2.0	1	B1J0588	10/28/2021	10/29/21 17:08	

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

QUALITY CONTROL SECTION

Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B1J0560 - GCSEMI_PCB/PEST_S										
Blank (B1J0560-BLK1)						Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	ND	16	1.9							
Aroclor 1221	ND	16	1.9							
Aroclor 1232	ND	16	1.9							
Aroclor 1242	ND	16	1.9							
Aroclor 1248	ND	16	1.9							
Aroclor 1254	ND	16	1.9							
Aroclor 1260	ND	16	1.9							
Surrogate: Decachlorobiphenyl	*3.770*			*16.6667*		*22.6*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*6.485*			*16.6667*		*38.9*	*0 - 126.7*			
LCS (B1J0560-BS1)						Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	82.8183	16	1.9	166.556		49.7	22.09 - 132.27			
Aroclor 1260	84.5595	16	1.9	166.556		50.8	34.65 - 124.89			
Surrogate: Decachlorobiphenyl	*4.592*			*16.6556*		*27.6*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*8.041*			*16.6556*		*48.3*	*0 - 126.7*			
Matrix Spike (B1J0560-MS1)			**Source: 2102233-01**			Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	57.5238	16	1.9	166.667	ND	34.5	0 - 150.43			
Aroclor 1260	51.1753	16	1.9	166.667	ND	30.7	0 - 152.89			
Surrogate: Decachlorobiphenyl	*2.992*			*16.6667*		*17.9*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*5.832*			*16.6667*		*35.0*	*0 - 126.7*			
Matrix Spike Dup (B1J0560-MSD1)			**Source: 2102233-01**			Prepared: 10/27/2021 Analyzed: 10/27/2021				
Aroclor 1016	55.8807	16	1.9	166.667	ND	33.5	0 - 150.43	2.90	20	
Aroclor 1260	47.8962	16	1.9	166.667	ND	28.7	0 - 152.89	6.62	20	
Surrogate: Decachlorobiphenyl	*2.925*			*16.6667*		*17.5*	*0 - 128.73*			
Surrogate: Tetrachloro-m-xylene	*5.981*			*16.6667*		*35.9*	*0 - 126.7*			

Certificate of Analysis

Vista Environmental	Project Number : 21 0210 021
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/29/2021

Notes and Definitions

ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

PCB Wipe Sample Log

VISTA ENVIRONMENTAL CONSULTING

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10/21/21

Location: March ARB - Building 5 **Project Number:** 21 0210 021

Sampled By: Y. Schmidt **Solvent:** Yes

Sample Number	Sample Location	Surface	Sample Container	Sample Area
-01 5-01P	NW exterior transformer, exposed pad w/ staining on East side	Concrete	40z Pyrex w/ Teflon Lid	10cmx10cm
—		—		—
-02 5-02P	Center/North Room, between North Panels and transformer core on ground	Concrete		10cmx10cm
—		—		—
-03 5-03P	Floor inside cabinet of transformer switchgear box, Center/South Room	Concrete		10cmx10cm
	3 Samples			

Analytical Method: **Aroclors by EPA Method 8082**

Turnaround Time: Same Day 24hr 48 HR 5 day

Data Sent To: Andrew Schmidt **Via E-Mail:** andrew.schmidt@vista-env.com **Questions call:** 714.746.7644

Special Instructions:

CHAIN OF CUSTODY:

	TRANSFER SIGNATURE	TITLE	DATE/TIME
1.		PM	10/21/21 – 10/22/21
2.		ATL	10/22/21 11:05
3.			

Page 1 of 1

210 2203

VISTA ENVIRONMENTAL CONSULTING

Metals Wipe Sample Log

☐ Sacramento ☐ Oakland ☐ Monterey ☒ Anaheim ☐ San Diego

Client: Leighton **Date:** 10/21/21

Location: March ARB - Building 5 **Project Number:** 21 0210 021

Sampled By: Y. Schmidt **CDPH No:** 00813, 00814 & 00815

Sample Number	Sample Location	Surface	Sample Container	Sample Area
-04 S-01	Center/South Room, Floor in Front of Switchgear Box	Concrete	HDPE Centrifuge Tube	12" x 12"
-05 S-02	Floor in Front of North Panels, Center/North Room	↓	↓	↓
-06 S-03	Floor in Front of Central Sheet Metal Equipment, North Room	↓	↓	↓
	3 Samples			

Analytical Method: **Lead, Chromium and Cadmium by EPA Method 6010B or equivalent**

Turnaround Time: Same Day 24hr 48 HR (5 day)

Data Sent To: Andrew Schmidt **Via E-Mail:** andrew.schmidt@vista-env.com **Questions call:** 714.746.7644

Special Instructions: _____

CHAIN OF CUSTODY:

	TRANSFER SIGNATURE	TITLE	DATE/TIME
1.	Yvonne C. Schmidt	PM	10/21/21
2.	[signature]	ATL	10/22/21 11:04
3.			

Page 1 of 1

ATTACHMENT E -

METALS BULK SAMPLE - ANALYTICAL REPORT

ADVANCED TECHNOLOGY LABORATORIES

October 28, 2021

Andrew Schmidt
Vista Environmental
1054 North Tustin Avenue
Anaheim, CA 92807
Tel: (714) 289-2600
Fax:

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003

Re: ATL Work Order Number : 2102197
Client Reference : NA

Enclosed are the results for sample(s) received on October 22, 2021 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

for

Amy Leung
Laboratory Director

Certificate of Analysis

Vista Environmental	Project Number : NA
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/28/2021

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CT-01	2102197-01	Soil	10/21/21 11:15	10/22/21 11:09

Certificate of Analysis

Vista Environmental	Project Number : NA
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/28/2021

Mercury by AA (Cold Vapor) EPA 7471A

Analyte: Mercury **Analyst: AEG**

Laboratory ID	Client Sample ID	Result	Units	PQL	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
2102197-01	CT-01	**0.10**	mg/kg	0.10	1	B1J0479	10/25/2021	10/25/21 12:10	

Client Sample ID CT-01
Lab ID: 2102197-01

Title 22 Metals by ICP-AES EPA 6010B **Analyst: EN**

Analyte	Result (mg/kg)	PQL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	1	B1J0483	10/25/2021	10/25/21 19:40	
Arsenic	ND	1.0	1	B1J0483	10/25/2021	10/25/21 19:40	
Barium	**45**	1.0	1	B1J0483	10/25/2021	10/25/21 19:40	
Beryllium	ND	1.0	1	B1J0483	10/25/2021	10/25/21 19:40	
Cadmium	**2.8**	1.0	1	B1J0483	10/25/2021	10/25/21 19:40	
Chromium	**2.0**	1.0	1	B1J0483	10/25/2021	10/25/21 19:40	
Cobalt	ND	1.0	1	B1J0483	10/25/2021	10/25/21 19:40	
Copper	**18**	2.0	1	B1J0483	10/25/2021	10/25/21 19:40	
Lead	**13**	1.0	1	B1J0483	10/25/2021	10/25/21 19:40	
Molybdenum	**2.1**	1.0	1	B1J0483	10/25/2021	10/25/21 19:40	
Nickel	**3.2**	1.0	1	B1J0483	10/25/2021	10/25/21 19:40	
Selenium	ND	1.0	1	B1J0483	10/25/2021	10/25/21 19:40	
Silver	ND	1.0	1	B1J0483	10/25/2021	10/25/21 19:40	
Thallium	**1.1**	1.0	1	B1J0483	10/25/2021	10/25/21 19:40	
Vanadium	ND	1.0	1	B1J0483	10/25/2021	10/25/21 19:40	
Zinc	**560**	1.0	1	B1J0483	10/25/2021	10/25/21 19:40	

Certificate of Analysis

Vista Environmental	Project Number : NA
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/28/2021

QUALITY CONTROL SECTION

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B1J0483 - EPA 3050B_S										
Blank (B1J0483-BLK1)						Prepared: 10/25/2021 Analyzed: 10/26/2021				
Antimony	ND	2.0	0.51							
Arsenic	ND	1.0	0.12							
Barium	ND	1.0	0.12							
Beryllium	ND	1.0	0.03							
Cadmium	ND	1.0	0.14							
Chromium	ND	1.0	0.26							
Cobalt	ND	1.0	0.07							
Copper	ND	2.0	0.19							
Lead	ND	1.0	0.18							
Molybdenum	ND	1.0	0.12							
Nickel	ND	1.0	0.18							
Selenium	ND	1.0	0.40							
Silver	ND	1.0	0.12							
Thallium	ND	1.0	0.38							
Vanadium	ND	1.0	0.06							
Zinc	ND	1.0	0.15							
LCS (B1J0483-BS1)						Prepared: 10/25/2021 Analyzed: 10/25/2021				
Antimony	22.4437	2.0	0.51	25.0000		89.8	80 - 120			
Arsenic	23.0520	1.0	0.12	25.0000		92.2	80 - 120			
Barium	25.8885	1.0	0.12	25.0000		104	80 - 120			
Beryllium	23.3660	1.0	0.03	25.0100		93.4	80 - 120			
Cadmium	22.9338	1.0	0.14	25.0000		91.7	80 - 120			
Chromium	23.0428	1.0	0.26	25.0000		92.2	80 - 120			
Cobalt	24.4818	1.0	0.07	25.0000		97.9	80 - 120			
Copper	25.2290	2.0	0.19	25.0000		101	80 - 120			
Lead	23.3771	1.0	0.18	25.0000		93.5	80 - 120			
Molybdenum	24.2129	1.0	0.12	25.0000		96.9	80 - 120			
Nickel	22.0164	1.0	0.18	25.0000		88.1	80 - 120			
Selenium	23.0356	1.0	0.40	25.0000		92.1	80 - 120			
Silver	10.9026	1.0	0.12	12.5000		87.2	80 - 120			
Thallium	23.4864	1.0	0.38	25.0000		93.9	80 - 120			
Vanadium	22.8976	1.0	0.06	25.0000		91.6	80 - 120			
Zinc	26.2215	1.0	0.15	25.0000		105	80 - 120			
Matrix Spike (B1J0483-MS1)			**Source: 2102204-01**			Prepared: 10/25/2021 Analyzed: 10/26/2021				
Antimony	20.8112	2.0	0.51	25.0000	ND	83.2	0 - 102			
Arsenic	36.8963	1.0	0.12	25.0000	8.61638	113	55 - 117			
Barium	77.4824	1.0	0.12	25.0000	46.2740	125	11 - 177			
Beryllium	27.5114	1.0	0.03	25.0100	0.460743	108	64 - 115			
Cadmium	26.9433	1.0	0.14	25.0000	0.753564	105	62 - 116			
Chromium	42.1531	1.0	0.26	25.0000	16.4352	103	42 - 145			

Certificate of Analysis

Vista Environmental	Project Number : NA
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/28/2021

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B1J0483 - EPA 3050B_S (continued)										
Matrix Spike (B1J0483-MS1) - Continued			**Source: 2102204-01**			Prepared: 10/25/2021 Analyzed: 10/26/2021				
Cobalt	34.5789	1.0	0.07	25.0000	7.37586	109	60 - 126			
Copper	60.8370	2.0	0.19	25.0000	34.3250	106	37 - 163			
Lead	46.4122	1.0	0.18	25.0000	17.7502	115	26 - 161			
Molybdenum	25.7664	1.0	0.12	25.0000	ND	103	31 - 122			
Nickel	51.1222	1.0	0.18	25.0000	27.1343	96.0	52 - 130			
Selenium	27.2780	1.0	0.40	25.0000	ND	109	25 - 129			
Silver	4.04035	1.0	0.12	12.5000	ND	32.3	48 - 133			M2
Thallium	ND	1.0	0.38	25.0000	ND	NR	25 - 119			M2
Vanadium	63.2301	1.0	0.06	25.0000	33.9322	117	51 - 141			
Zinc	77.2130	1.0	0.15	25.0000	51.8826	101	8 - 170			
Matrix Spike Dup (B1J0483-MSD1)			**Source: 2102204-01**			Prepared: 10/25/2021 Analyzed: 10/26/2021				
Antimony	20.8494	2.0	0.51	25.0000	ND	83.4	0 - 102	0.184	20	
Arsenic	36.1188	1.0	0.12	25.0000	8.61638	110	55 - 117	2.13	20	
Barium	75.7787	1.0	0.12	25.0000	46.2740	118	11 - 177	2.22	20	
Beryllium	27.5628	1.0	0.03	25.0100	0.460743	108	64 - 115	0.187	20	
Cadmium	26.7029	1.0	0.14	25.0000	0.753564	104	62 - 116	0.896	20	
Chromium	42.1779	1.0	0.26	25.0000	16.4352	103	42 - 145	0.0588	20	
Cobalt	34.4504	1.0	0.07	25.0000	7.37586	108	60 - 126	0.372	20	
Copper	60.5796	2.0	0.19	25.0000	34.3250	105	37 - 163	0.424	20	
Lead	46.2962	1.0	0.18	25.0000	17.7502	114	26 - 161	0.250	20	
Molybdenum	25.7767	1.0	0.12	25.0000	ND	103	31 - 122	0.0402	20	
Nickel	50.6094	1.0	0.18	25.0000	27.1343	93.9	52 - 130	1.01	20	
Selenium	27.6710	1.0	0.40	25.0000	ND	111	25 - 129	1.43	20	
Silver	4.00889	1.0	0.12	12.5000	ND	32.1	48 - 133	0.782	20	M2
Thallium	ND	1.0	0.38	25.0000	ND	NR	25 - 119	NR	20	M2
Vanadium	62.8928	1.0	0.06	25.0000	33.9322	116	51 - 141	0.535	20	
Zinc	76.0970	1.0	0.15	25.0000	51.8826	96.9	8 - 170	1.46	20	

Certificate of Analysis

Vista Environmental	Project Number : NA
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/28/2021

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B1J0479 - EPA 7471_S										
Blank (B1J0479-BLK1)						Prepared: 10/25/2021 Analyzed: 10/25/2021				
Mercury	ND	0.10	0.01							
LCS (B1J0479-BS1)						Prepared: 10/25/2021 Analyzed: 10/25/2021				
Mercury	0.444957	0.10	0.01	0.416667		107	80 - 120			
Matrix Spike (B1J0479-MS1)			**Source: 2102204-01**			Prepared: 10/25/2021 Analyzed: 10/25/2021				
Mercury	0.537587	0.10	0.01	0.416667	0.010527	126	70 - 130			
Matrix Spike Dup (B1J0479-MSD1)			**Source: 2102204-01**			Prepared: 10/25/2021 Analyzed: 10/25/2021				
Mercury	0.538193	0.10	0.01	0.416667	0.010527	127	70 - 130	0.113	20	

Certificate of Analysis

Vista Environmental	Project Number : NA
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/28/2021

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/L)	PQL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B1J0479 - EPA 7471_S									
Post Spike (B1J0479-PS1)			**Source: 2102204-01**		Prepared: 10/25/2021 Analyzed: 10/25/2021				
Mercury	0.006407		5.00000E-3	0.000126	126	85 - 115			M2

Certificate of Analysis

Vista Environmental	Project Number : NA
1054 North Tustin Avenue	Report To : Andrew Schmidt
Anaheim , CA 92807	Reported : 10/28/2021

Notes and Definitions

M2	Matrix spike recovery outside of acceptance limit due to possible matrix interference. The analytical batch was validated by the laboratory control sample.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

2102197

For Laboratory Use Only ATLCOC Ver:20210101

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
☒ Client ☐ ATL	1. CHILLED	☐	☑	5. # OF SAMPLES MATCH COC	☑	☐
☐ FedEx ☐ OnTrac	2. HEADSPACE (VOA) < 6mm	☐	☑	6. PRESERVED	☐	☑
☐ GSO	3. CONTAINER INTACT	☑	☐	7. COOLER TEMP, deg C:		
☐ Other:	4. SEALED	☐	☑	8. THERMOMETER ID:		

CUSTOMER

Company: Vista Environmental		Address:	Tel:
		City:	State: Zip: Fax:
SEND REPORT TO:		SEND INVOICE TO: ☒ same as SEND REPORT TO	
Attn: Andrew Schmidt	Email: andrew.schmidt@vista-env.com	Attn: Andrew Schmidt	Email:
Company: Vista Environmental		Company: Vista Environmental	
Address:		Address:	
City: Anaheim	State: CA Zip: 92807	City: Anaheim	State: CA Zip: 92807

EDD: ☐ Excel ☐ EDF ☐ Equis ☐ _____

QA/QC: ☐ Routine ☐ Caltrans ☐ Legal ☐ RWQCB ☐ Level IV ☐ _____

PROJECT SAMPLES

Project Name:

Project No.:

Sampler:

Quote #:

PO #:

ITEM	Lab ID (For Lab Use Only)	Sample Description: Sample ID	Location	Date	Time	Requested Analysis: CAM-17 Metals by EPA 6010B/7471A	Sample Matrix	Turnaround Time (TAT)	Container: Quantity	Container: Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7=Canister	Container: Material: 1=Glass; 2=Plastic; 3=Metal	Container: Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4=4C; 5=Zn(Ac)2; 6=NaOH; 7=NA2S2O3	Remarks
1	-01	CT-01	Cooling tower between 5039 & 5040, west parts of liquid retention basin	10/21/21	1115	X		5 day	1	5	1		
2													
3													
4													
5													
6													
7													
8													
9													
10													

MISC

(Special Instructions, Comments, Notes, etc.)

Standard CAM-17 analysis 5-day turnaround

CUSTODY

By relinquishing samples to ATL, I hereby agree that I have read and accept ATL's Terms and Conditions, as stated in www.atlglobal.com/terms-and-conditions.

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
	10/22/21	1105		10/22/21	11:09
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:

ATTACHMENT F -
XRF (LEAD) TESTING DATA

March ARB XRF Data
October 2021

SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
1	CALIBRATE								Positive	1.1
2	CALIBRATE								Positive	1
3	CALIBRATE								Positive	1
4	WALL	BRICK	INTACT	A	BEIGE	EXTERIOR	1	BLDG 4	Negative	0
5	WALL	CONCRETE	INTACT	A	BEIGE	EXTERIOR	1	BLDG 4	Negative	0
6	DOWN SPOUT	METAL	INTACT	A	BEIGE	EXTERIOR	1	BLDG 4	Negative	0.01
7	CONDUIT	METAL	INTACT	A	BEIGE	EXTERIOR	1	BLDG 4	Negative	0.09
8	DOOR	METAL	INTACT	A	BROWN	EXTERIOR	1	BLDG 4	Negative	0.04
9	DOOR JAMB	METAL	INTACT	A	BROWN	EXTERIOR	1	BLDG 4	Negative	0.15
10	ROLL UP DOOR	METAL	INTACT	A	BEIGE	EXTERIOR	1	BLDG 4	Negative	0
11	ROLL UP DOOR JAMB	METAL	INTACT	A	BEIGE	EXTERIOR	1	BLDG 4	Positive	9.7
12	DOOR JAMB	METAL	INTACT	A	BEIGE	EXTERIOR	1	BLDG 4	Positive	12.6
13	DOOR	METAL	INTACT	B	BEIGE	EXTERIOR	1	BLDG 4	Negative	0.06
14	WALL	BRICK	DETERIORATED	B	BEIGE	EXTERIOR	1	BLDG 4	Negative	0.1
15	WALL	CONCRETE	DETERIORATED	B	BEIGE	EXTERIOR	1	BLDG 4	Negative	0.11
16	ELECTRICAL BOX	METAL	DETERIORATED	B	BROWN	EXTERIOR	1	BLDG 4	Negative	0.01
17	WALL	BRICK	INTACT	C	BEIGE	EXTERIOR	1	BLDG 4	Negative	0
18	WALL	CONCRETE	DETERIORATED	C	BEIGE	EXTERIOR	1	BLDG 4	Negative	0
19	DOWN SPOUT	METAL	DETERIORATED	C	BEIGE	EXTERIOR	1	BLDG 4	Negative	0.02
20	RAIN GUTTER	METAL	DETERIORATED	C	BEIGE	EXTERIOR	1	BLDG 4	Negative	0.06
21	RAIN GUTTER WELD	METAL	DETERIORATED	C	BEIGE	EXTERIOR	1	BLDG 4	Positive	36.2
22	DOOR	METAL	INTACT	C	BROWN	EXTERIOR	1	BLDG 4	Negative	0.05
23	ROLL UP DOOR	METAL	INTACT	C	BEIGE	EXTERIOR	1	BLDG 4	Negative	0.08
24	WALL LOUVER	METAL	INTACT	D	BEIGE	EXTERIOR	1	BLDG 4	Negative	0.18
25	WALL	DRYWALL	INTACT	A	BEIGE	1	1	BLDG 4	Negative	0
26	CEILING PANEL	FIBROUS	INTACT	B	WHITE	1	1	BLDG 4	Negative	0
27	T-GRID	FIBROUS	INTACT	B	BLACK	1	1	BLDG 4	Negative	0.02
28	LIGHT FIXTURE	METAL	INTACT	B	WHITE	1	1	BLDG 4	Negative	0
29	BASEBOARD	WOOD	INTACT	D	BROWN	1	1	BLDG 4	Negative	0.02
30	BASEBOARD	WOOD	INTACT	B	BROWN	4	1	BLDG 4	Negative	0
31	DOOR JAMB	METAL	INTACT	B	BROWN	4	1	BLDG 4	Negative	0.01
32	DOOR	METAL	INTACT	B	BROWN	4	1	BLDG 4	Negative	0.02
33	PARTITION	METAL	INTACT	C	BROWN	4	1	BLDG 4	Negative	0.6

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SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
34	PARTITION	METAL	INTACT	C	BROWN	4	1	BLDG 4	Negative	0.4
35	WALL	METAL	INTACT	C	BEIGE	4	1	BLDG 4	Negative	0.11
36	WALL	METAL	INTACT	A	BEIGE	4	1	BLDG 4	Negative	0.03
37	CHAIR RAIL	WOOD	INTACT	A	BROWN	4	1	BLDG 4	Negative	0
38	WALL	BRICK	INTACT	A	BEIGE	4	1	BLDG 4	Negative	0.02
39	WALL	CONCRETE	INTACT	A	BEIGE	4	1	BLDG 4	Negative	0.01
40	SHOWER	FIBERGLASS	INTACT	B	BEIGE	4	1	BLDG 4	Negative	0.02
41	TOWEL DISPENSER	METAL	INTACT	C	BROWN	4	1	BLDG 4	Negative	0
42	SINK	PORCELAIN	INTACT	C	WHITE	4	1	BLDG 4	Negative	0
43	URINAL	PORCELAIN	INTACT	C	WHITE	4	1	BLDG 4	Negative	0
44	TOILET	PORCELAIN	INTACT	C	WHITE	4	1	BLDG 4	Negative	0
45	BEAM	METAL	INTACT	A	BROWN	HALLWAY	1	BLDG 4	Negative	0.04
46	BEAM	METAL	INTACT	A	BROWN	HALLWAY	1	BLDG 4	Negative	0.04
47	WALL	WOOD	INTACT	D	WHITE	HALLWAY	1	BLDG 4	Negative	0.01
48	DOOR JAMB	WOOD	INTACT	A	WHITE	HALLWAY	1	BLDG 4	Negative	0
49	DOOR	METAL	INTACT	A	WHITE	HALLWAY	1	BLDG 4	Negative	0.01
50	WALL	DRYWALL	INTACT	A	YELLOW	2	1	BLDG 4	Negative	0.01
51	BASEBOARD	WOOD	INTACT	A	TAN	2	1	BLDG 4	Negative	0
52	WALL	METAL	INTACT	A	BEIGE	7	1	BLDG 4	Negative	0.02
53	WALL	BRICK	INTACT	C	BEIGE	7	1	BLDG 4	Negative	0
54	BASEBOARD	CONCRETE	INTACT	C	TAN	7	1	BLDG 4	Negative	0.13
55	CONDUIT	METAL	DETERIORATED	C	BEIGE	7	1	BLDG 4	Negative	0
56	WALL CABINET	WOOD	INTACT	C	WHITE	7	1	BLDG 4	Negative	0
57	DUCT	METAL	INTACT	B	BEIGE	7	1	BLDG 4	Negative	0.16
58	BREAKER PANEL	METAL	INTACT	B	TAN	7	1	BLDG 4	Negative	0.01
59	DOOR	METAL	INTACT	B	BEIGE	7	1	BLDG 4	Positive	2.7
60	DOOR	METAL	INTACT	B	BEIGE	7	1	BLDG 4	Negative	0
61	DOOR	METAL	INTACT	B	BEIGE	7	1	BLDG 4	Positive	2.4
62	DOOR JAMB	METAL	INTACT	B	BEIGE	7	1	BLDG 4	Positive	1.2
63	DOOR	METAL	INTACT	C	BROWN	6	1	BLDG 4	Negative	0.12
64	DUCT	METAL	INTACT	B	TAN	6	1	BLDG 4	Negative	0.04
65	DUCT	METAL	INTACT	B	WHITE	6	1	BLDG 4	Negative	0.03
66	WALL	METAL	INTACT	B	WHITE	6	1	BLDG 4	Negative	0.03

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SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
67	WALL	METAL	INTACT	B	TAN	6	1	BLDG 4	Negative	0.08
68	WALL	BRICK	INTACT	C	TAN	6	1	BLDG 4	Negative	0.03
69	WALL	BRICK	INTACT	C	WHITE	6	1	BLDG 4	Negative	0
70	CONDUIT	METAL	INTACT	C	WHITE	6	1	BLDG 4	Negative	0.14
71	CEILING PANEL	FIBEROUS	INTACT	A	WHITE	6	1	BLDG 4	Negative	0
72	T-GRID	METAL	INTACT	A	WHITE	6	1	BLDG 4	Negative	0
73	LIGHT FIXTURE	METAL	INTACT	A	WHITE	6	1	BLDG 4	Negative	0
74	HOIST BEAM	METAL	INTACT	A	GRAY	6	1	BLDG 4	Positive	9.2
75	WALL	WOOD	INTACT	A	TAN	6	1	BLDG 4	Negative	0
76	WALL	CONCRETE	INTACT	D	TAN	9	1	BLDG 4	Negative	0.03
77	WALL	CONCRETE	INTACT	D	WHITE	9	1	BLDG 4	Positive	1.6
78	WALL	BRICK	INTACT	D	WHITE	9	1	BLDG 4	Negative	0
79	WALL	BRICK	INTACT	D	TAN	9	1	BLDG 4	Negative	0.07
80	WALL PANEL	METAL	INTACT	D	GRAY	9	1	BLDG 4	Negative	0.04
81	HOIST BEAM	METAL	INTACT	D	WHITE	9	1	BLDG 4	Positive	7.3
82	BASEBOARD	CONCRETE	INTACT	D	BLACK	9	1	BLDG 4	Negative	0.09
83	ROLL UP DOOR	METAL	INTACT	C	SILVER	9	1	BLDG 4	Negative	0.09
84	BEAM	METAL	INTACT	D	WHITE	9	1	BLDG 4	Negative	0.09
85	DOOR	METAL	INTACT	C	GRAY	8	1	BLDG 4	Negative	0.06
86	DOOR JAMB	METAL	INTACT	C	GRAY	8	1	BLDG 4	Negative	0.08
87	BOILER 1	METAL	INTACT	A	BLACK	10	1	BLDG 4	Negative	0.14
88	PUMP	METAL	INTACT	A	BLUE	10	1	BLDG 4	Negative	0
89	BOILER 2	METAL	INTACT	A	BLUE	10	1	BLDG 4	Negative	0
90	BOILER 2	METAL	INTACT	A	BLACK	10	1	BLDG 4	Negative	0
91	CONDUIT	METAL	INTACT	A	BLUE	10	1	BLDG 4	Negative	0.06
92	COMPRESSOR	METAL	INTACT	D	GRAY	10	1	BLDG 4	Negative	0.04
93	COMPRESSOR FRAME	METAL	INTACT	D	GRAY	10	1	BLDG 4	Positive	4.2
94	COMPRESSOR 2	METAL	INTACT	D	BLUE	10	1	BLDG 4	Negative	0.02
95	DUCT	METAL	INTACT	C	WHITE	10	1	BLDG 4	Negative	0.04
96	DUCT FRAME	METAL	INTACT	C	GRAY	10	1	BLDG 4	Negative	0
97	BREAKER PANEL	METAL	INTACT	B	GRAY	10	1	BLDG 4	Negative	0
98	BREAKER PANEL WALL	WOOD	INTACT	B	BLACK	10	1	BLDG 4	Negative	0.01
99	CONDUIT	WOOD	INTACT	B	WHITE	10	1	BLDG 4	Negative	0.21

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SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
100	CONDUIT	WOOD	INTACT	B	WHITE	10	1	BLDG 4	Negative	0.1
101	PIPE	TSI	INTACT	B	WHITE	10	1	BLDG 4	Negative	0
102	PIPE	TSI	INTACT	B	GRAY	10	1	BLDG 4	Negative	0.02
103	WALL	BRICK	INTACT	A	WHITE	10	1	BLDG 4	Negative	0
104	WALL	BRICK	INTACT	A	GREEN	10	1	BLDG 4	Negative	0
105	DOOR	BRICK	INTACT	A	GREEN	10	1	BLDG 4	Negative	0.07
106	BEAM	METAL	DETERIORATED	A	WHITE	10	1	BLDG 4	Negative	0.1
107	CEILING	METAL	DETERIORATED	A	WHITE	10	1	BLDG 4	Negative	0.07
108	CEILING PERIMETER	METAL	DETERIORATED	A	WHITE	10	1	BLDG 4	Positive	3.1
109	CALIBRATE								Positive	1.1
110	CALIBRATE								Positive	1.1
111	CALIBRATE								Positive	1.1
112	SHUTTER_CAL									3.05
113	CALIBRATE								Positive	1.1
114	CALIBRATE								Positive	1.1
115	CALIBRATE								Positive	1.1
116	WALL	BRICK	INTACT	A	BEIGE	EXTERIOR	1	BLDG 1	Negative	0
117	WALL	CONCRETE	INTACT	A	BEIGE	EXTERIOR	1	BLDG 1	Negative	0
118	FLASHING	METAL	INTACT	A	BEIGE	EXTERIOR	1	BLDG 1	Negative	0
119	DOWNSPOUT	METAL	INTACT	A	BEIGE	EXTERIOR	1	BLDG 1	Negative	0.01
120	WALL	BRICK	INTACT	B	BEIGE	EXTERIOR	1	BLDG 1	Negative	0
121	WALL	CONCRETE	INTACT	B	BEIGE	EXTERIOR	1	BLDG 1	Negative	0
122	WALL LOUVER	METAL	INTACT	B	BEIGE	EXTERIOR	1	BLDG 1	Positive	10.4
123	CONDUIT	METAL	INTACT	B	BEIGE	EXTERIOR	1	BLDG 1	Negative	0.09
124	WALL	BRICK	INTACT	C	BEIGE	EXTERIOR	1	BLDG 1	Negative	0
125	WALL	CONCRETE	INTACT	C	BEIGE	EXTERIOR	1	BLDG 1	Negative	0.01
126	WALL	CONCRETE	INTACT	D	BEIGE	EXTERIOR	1	BLDG 1	Negative	0.01
127	WALL	BRICK	INTACT	D	BEIGE	EXTERIOR	1	BLDG 1	Negative	0
128	DOOR	METAL	DETERIORATED	A	BROWN, DARK	EXTERIOR	1	BLDG 1	Negative	0.01
129	DOOR JAMB	METAL	DETERIORATED	A	BROWN, DARK	EXTERIOR	1	BLDG 1	Positive	13.9
130	FLOOR STRIPING	CONCRETE	DETERIORATED	A	YELLOW	EXTERIOR	1	BLDG 1	Positive	1.5
131	FLOOR STRIPING	CONCRETE	DETERIORATED	A	BLACK	EXTERIOR	1	BLDG 1	Negative	0.01
132	FLOOR STRIPING	CONCRETE	DETERIORATED	A	WHITE	EXTERIOR	1	BLDG 1	Negative	0.03

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SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
133	DOOR	METAL	DETERIORATED	A	GRAY	EXTERIOR	1	BLDG 1	Negative	0
134	BEAM	METAL	DETERIORATED	A	BROWN, DARK	EXTERIOR	1	COOLING TOWER	Negative	0
135	BEAM	METAL	DETERIORATED	B	BROWN, DARK	EXTERIOR	1	COOLING TOWER	Negative	0
136	BEAM	METAL	DETERIORATED	D	BROWN, DARK	EXTERIOR	1	COOLING TOWER	Negative	0
137	PIPE	METAL	DETERIORATED	D	BROWN, DARK	EXTERIOR	1	COOLING TOWER	Negative	0.04
138	LEG POST	METAL	INTACT	A	BEIGE	EXTERIOR	1	WATER TOWER	Negative	0
139	LEG POST	METAL	INTACT	B	BEIGE	EXTERIOR	1	WATER TOWER	Negative	0.03
140	LEG POST BASE	CONCRETE	INTACT	B	BEIGE	EXTERIOR	1	WATER TOWER	Negative	0
141	LEG POST BASE	CONCRETE	INTACT	C	BEIGE	EXTERIOR	1	WATER TOWER	Negative	0.03
142	LEG POST	METAL	INTACT	C	BEIGE	EXTERIOR	1	WATER TOWER	Negative	0.01
143	CROSS BRACE	METAL	INTACT	C	BEIGE	EXTERIOR	1	WATER TOWER	Negative	0.03
144	PIPE	METAL	INTACT	C	BEIGE	EXTERIOR	1	WATER TOWER	Negative	0.02
145	CONDUIT	METAL	INTACT	D	BEIGE	EXTERIOR	1	WATER TOWER	Negative	0
146	CABINET	METAL	INTACT	D	BEIGE	EXTERIOR	1	WATER TOWER	Negative	0
147	CABINET	METAL	INTACT	D	GRAY	EXTERIOR	1	WATER TOWER	Negative	0
148	LADDER	METAL	INTACT	D	BEIGE	EXTERIOR	1	WATER TOWER	Negative	0.01
149	LADDER	METAL	INTACT	D	BEIGE	EXTERIOR	1	WATER TOWER	Negative	0
150	CALIBRATE								Positive	1
151	CALIBRATE								Positive	1.1
152	CALIBRATE								Positive	1
153	SHUTTER_CAL									3.16
154	CALIBRATE								Positive	1.1
155	CALIBRATE								Positive	1.1
156	CALIBRATE								Positive	1
157	CALIBRATE								Positive	1.1
158	DOOR	METAL	INTACT	A	TAN	EXTERIOR	1	BUNKER 5037	Positive	9.1
159	DOOR HINGE	METAL	DETERIORATED	A	WHITE	EXTERIOR	1	BUNKER 5037	Positive	7.8
160	BREAKER PANEL	METAL	DETERIORATED	A	GRAY	EXTERIOR	1	BUNKER 5037	Negative	0.09
161	DOOR	METAL	INTACT	A	GRAY		1	BUNKER 5037	Positive	5.4
162	DOOR JAMB	METAL	DETERIORATED	A	ORANGE		1	BUNKER 5037	Positive	10.1
163	WALL	CONCRETE	INTACT	A	WHITE		1	BUNKER 5037	Negative	0
164	WALL	CONCRETE	INTACT	A	BEIGE		1	BUNKER 5037	Negative	0
165	CEILING	CONCRETE	INTACT	D	BEIGE		1	BUNKER 5037	Negative	0

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SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
166	CEILING	CONCRETE	INTACT	D	WHITE		1	BUNKER 5037	Negative	0
167	FLOOR	CONCRETE	INTACT	D	GRAY		1	BUNKER 5037	Negative	0.03
168	FLOOR	CONCRETE	INTACT	C	GRAY		1	BUNKER 5037	Negative	0.05
169	FLOOR	CONCRETE	INTACT	C	GRAY	STORAGE	1	BUNKER 5037	Negative	0.04
170	WALL	CONCRETE	INTACT	D	GRAY	STORAGE	1	BUNKER 5037	Negative	0.06
171	CEILING	CONCRETE	INTACT	D	GRAY	STORAGE	1	BUNKER 5037	Negative	0.07
172	SHELF	METAL	INTACT	A	BLACK	STORAGE	1	BUNKER 5037	Positive	4.8
173	WALL	CONCRETE	INTACT	A	WHITE	STORAGE	1	BUNKER 5037	Negative	0
174	WALL	CONCRETE	INTACT	B	BROWN	STORAGE	1	BUNKER 5037	Negative	0.15
175	FLOOR	CONCRETE	INTACT	B	YELLOW	STORAGE	1	BUNKER 5037	Negative	0.14
176	VENT	METAL	DETERIORATED	C	BROWN	EXTERIOR	1	BUNKER 5037	Positive	14
177	VENT	METAL	DETERIORATED	C	BROWN	EXTERIOR	1	BUNKER 5035	Positive	10.1
178	DOOR	METAL	INTACT	A	BROWN	EXTERIOR	1	BUNKER 5035	Positive	10.1
179	DOOR HINGE	METAL	DETERIORATED	A	WHITE	EXTERIOR	1	BUNKER 5035	Positive	7.4
180	PANEL BOX	METAL	DETERIORATED	A	GRAY	EXTERIOR	1	BUNKER 5035	Negative	0.07
181	CONDUIT	METAL	DETERIORATED	A	GRAY	EXTERIOR	1	BUNKER 5035	Negative	0.16
182	DOOR	METAL	INTACT	A	GRAY		1	BUNKER 5035	Positive	13
183	DOOR JAMB	METAL	INTACT	A	SILVER		1	BUNKER 5035	Positive	14.8
184	WALL	CONCRETE	INTACT	C	TAN		1	BUNKER 5035	Negative	0
185	WALL	CONCRETE	INTACT	C	GREEN		1	BUNKER 5035	Positive	2.6
186	CEILING	CONCRETE	INTACT	B	WHITE		1	BUNKER 5035	Negative	0
187	CEILING	CONCRETE	INTACT	B	WHITE		1	BUNKER 5035	Negative	0.14
188	CEILING	CONCRETE	INTACT	B	TAN		1	BUNKER 5035	Negative	0
189	CEILING-WALL	CONCRETE	INTACT	B	WHITE		1	BUNKER 5035	Positive	3.1
190	FLOOR	CONCRETE	INTACT	D	GRAY		1	BUNKER 5035	Negative	0.04
191	FLOOR	CONCRETE	INTACT	D	GRAY	STORAGE	1	BUNKER 5035	Negative	0
192	FLOOR STRIPING	CONCRETE	INTACT	D	YELLOW	STORAGE	1	BUNKER 5035	Positive	1.5
193	WALL	CONCRETE	INTACT	D	GRAY	STORAGE	1	BUNKER 5035	Negative	0.01
194	WALL	CONCRETE	INTACT	B	RED	STORAGE	1	BUNKER 5035	Negative	0.04
195	WALL	CONCRETE	INTACT	A	WHITE		1	BUNKER 5033	Negative	0.03
196	WALL	CONCRETE	INTACT	A	TAN		1	BUNKER 5033	Negative	0
197	LOWER WALL	CONCRETE	INTACT	A	WHITE		1	BUNKER 5033	Negative	0.09
198	CEILING	CONCRETE	INTACT	B	TAN		1	BUNKER 5033	Negative	0

SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
199	CEILING	CONCRETE	INTACT	B	WHITE		1	BUNKER 5033	Negative	0
200	CEILING WALL	CONCRETE	INTACT	B	WHITE		1	BUNKER 5033	Negative	0.06
201	FLOOR	CONCRETE	INTACT	A	GRAY		1	BUNKER 5033	Negative	0.03
202	FLOOR STRIPING	CONCRETE	INTACT	A	YELLOW		1	BUNKER 5033	Positive	1.5
203	DOOR JAMB	METAL	INTACT	A	WHITE	STORAGE	1	BUNKER 5033	Positive	10.1
204	DOOR JAMB	METAL	INTACT	A	GRAY	STORAGE	1	BUNKER 5033	Positive	9
205	CEILING	CONCRETE	INTACT	B	WHITE	STORAGE	1	BUNKER 5033	Negative	0
206	CEILING WALL	CONCRETE	INTACT	B	GRAY	STORAGE	1	BUNKER 5033	Negative	0.03
207	FLOOR	CONCRETE	INTACT	B	GRAY	STORAGE	1	BUNKER 5033	Negative	0.02
208	WALL	CONCRETE	INTACT	A	GRAY	STORAGE	1	BUNKER 5033	Negative	0.02
209	WALL	CONCRETE	INTACT	A	WHITE	STORAGE	1	BUNKER 5033	Negative	0
210	DOOR JAMB	CONCRETE	INTACT	A	ORANGE	STORAGE 2	1	BUNKER 5033	Negative	0
211	WALL	CONCRETE	INTACT	D	WHITE	STORAGE 2	1	BUNKER 5033	Negative	0
212	CEILING	CONCRETE	INTACT	D	WHITE	STORAGE 2	1	BUNKER 5033	Negative	0
213	FLOOR	CONCRETE	INTACT	D	GRAY	STORAGE 2	1	BUNKER 5033	Negative	0.01
214	DOOR JAMB	METAL	DETERIORATED	A	GRAY		1	BUNKER 5033	Positive	19
215	DOOR	METAL	INTACT	A	GRAY		1	BUNKER 5033	Positive	10.1
216	DOOR HINGE	METAL	DETERIORATED	A	WHITE	EXTERIOR	1	BUNKER 5033	Positive	5.7
217	DOOR	METAL	INTACT	A	BROWN	EXTERIOR	1	BUNKER 5033	Positive	6.1
218	PANEL BOX	METAL	DETERIORATED	A	BROWN	EXTERIOR	1	BUNKER 5033	Negative	0.07
219	CONDUIT	METAL	DETERIORATED	A	WHITE	EXTERIOR	1	BUNKER 5033	Negative	0.1
220	PANEL BOX	METAL	DETERIORATED	A	WHITE	EXTERIOR	1	BUNKER 5033	Negative	0.07
221	ADDRESS	CONCRETE	DETERIORATED	A	WHITE	EXTERIOR	1	BUNKER 5033	Negative	0.01
222	VENT	METAL	INTACT	A	UNPAINTED	EXTERIOR	1	BUNKER 5033	Negative	0.16
223	VENT	METAL	INTACT	A	UNPAINTED	EXTERIOR	1	BUNKER 5033	Negative	0.13
224	VENT	METAL	INTACT	C	WHITE	EXTERIOR	1	BUNKER 5033	Positive	15.4
225	FLASHING	METAL	INTACT	B	BROWN	EXTERIOR	ROOF	BLDG 4	Negative	0.01
226	FLASHING	METAL	INTACT	B	BEIGE	EXTERIOR	ROOF	BLDG 4	Negative	0.01
227	GUTTER	METAL	DETERIORATED	C	BROWN	EXTERIOR	ROOF	BLDG 4	Negative	0.02
228	VENT	METAL	INTACT	C	BEIGE	EXTERIOR	ROOF	BLDG 4	Negative	0.29
229	VENT	METAL	INTACT	D	BEIGE	EXTERIOR	ROOF	BLDG 4	Negative	0
230	VENT	METAL	INTACT	A	TAN	EXTERIOR	ROOF	BLDG 4	Positive	84.3
231	FLASHING	METAL	INTACT	A	BROWN, DARK	EXTERIOR	ROOF	BLDG 4	Negative	0

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232	FLASHING	METAL	INTACT	A	BEIGE	EXTERIOR	ROOF	BLDG 4	Negative	0.01
233	DOOR JAMB	METAL	INTACT	A	WHITE	HALLWAY	1	BLDG 4	Negative	0.22
234	DOOR JAMB	METAL	DETERIORATED	C	TAN	6	1	BLDG 4	Positive	11.9
235	HOIST BEAM	METAL	INTACT	D	WHITE	8	1	BLDG 4	Positive	8.1
236	HOIST BEAM	METAL	INTACT	D	GRAY	8	1	BLDG 4	Positive	3.9
237	HOIST HOOK	METAL	INTACT	D	YELLOW	8	1	BLDG 4	Positive	5.2
238	DUCT	METAL	INTACT	D	TAN	9	1	BLDG 4	Negative	0.09
239	CEILING	METAL	INTACT	D	WHITE	9	1	BLDG 4	Negative	0.22
240	DOOR JAMB	METAL	INTACT	A	GREEN	10	1	BLDG 4	Positive	14.5
241	FLOOR STRIPING	CONCRETE	DETERIORATED	A	YELLOW	10	1	BLDG 4	Positive	5.5
242	CALIBRATE								Positive	1
243	CALIBRATE								Positive	1.1
244	CALIBRATE								Positive	1.1
245	WALL	BRICK	INTACT	C	BEIGE	2	1	BLDG 5	Negative	0
246	WALL	BRICK	INTACT	B	BEIGE	2	1	BLDG 5	Negative	0
247	PANEL BOX	METAL	INTACT	B	GRAY	2	1	BLDG 5	Negative	0
248	PANEL BOX	METAL	INTACT	C	RED	2	1	BLDG 5	Negative	0.6
249	PANEL BOX	METAL	INTACT	C	RED	2	1	BLDG 5	Negative	0.6
250	CONDUIT	METAL	INTACT	B	BEIGE	2	1	BLDG 5	Negative	0
251	CABINET	METAL	INTACT	B	GRAY	2	1	BLDG 5	Negative	0
252	CABINET	METAL	INTACT	D	GRAY	2	1	BLDG 5	Negative	0
253	FAN	METAL	INTACT	A	BEIGE	2	1	BLDG 5	Negative	0
254	DOOR JAMB	METAL	INTACT	A	BROWN	2	1	BLDG 5	Positive	8.9
255	DOOR	METAL	INTACT	A	ORANGE	2	1	BLDG 5	Positive	12.5
256	WALL	BRICK	INTACT	A	WHITE	1	1	BLDG 5	Negative	0
257	WALL	BRICK	INTACT	D	BEIGE	1	1	BLDG 5	Negative	0
258	PIPE	METAL	INTACT	D	BEIGE	1	1	BLDG 5	Negative	0
259	PIPE	METAL	INTACT	D	SILVER	1	1	BLDG 5	Negative	0.15
260	FLOOR DRAIN	METAL	INTACT	D	BRASS	1	1	BLDG 5	Positive	3.9
261	DUCT	METAL	INTACT	C	BEIGE	1	1	BLDG 5	Negative	0.01
262	RACK	METAL	INTACT	CENTER	GRAY	1	1	BLDG 5	Negative	0.02
263	PANEL BOX	METAL	INTACT	A	GRAY	1	1	BLDG 5	Negative	0
264	CEILING	METAL	INTACT	D	WHITE	1	1	BLDG 5	Negative	0.01

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SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
265	CEILING	METAL	INTACT	D	WHITE	1	1	BLDG 5	Negative	0.01
266	BEAM	METAL	INTACT	D	WHITE	1	1	BLDG 5	Negative	0.01
267	BEAM	METAL	INTACT	D	WHITE	1	1	BLDG 5	Negative	0.02
268	LIGHT FIXTURE	METAL	INTACT	D	WHITE	1	1	BLDG 5	Negative	0
269	DOOR JAMB	METAL	INTACT	A	BROWN	1	1	BLDG 5	Positive	13.4
270	DOOR	METAL	INTACT	A	ORANGE	1	1	BLDG 5	Positive	15.5
271	WALL	BRICK	INTACT	A	BEIGE	3	1	BLDG 5	Negative	0
272	WALL	BRICK	INTACT	D	BEIGE	3	1	BLDG 5	Negative	0
273	FAN	METAL	INTACT	A	BEIGE	3	1	BLDG 5	Negative	0
274	PIPE	METAL	INTACT	C	BEIGE	3	1	BLDG 5	Negative	0.01
275	CONDUIT	METAL	INTACT	C	BEIGE	3	1	BLDG 5	Negative	0.05
276	CABINET	METAL	INTACT	D	GRAY	3	1	BLDG 5	Negative	0
277	DUCT	METAL	INTACT	C	BEIGE	3	1	BLDG 5	Negative	0
278	CAGE DOOR	METAL	INTACT	A	BROWN	4	1	BLDG 5	Negative	0.01
279	WALL	BRICK	INTACT	B	BEIGE	4	1	BLDG 5	Negative	0
280	WALL	BRICK	INTACT	A	BEIGE	EXTERIOR	1	BLDG 5	Negative	0
281	DOOR	METAL	INTACT	A	TAN	EXTERIOR	1	BLDG 5	Positive	13.9
282	DOOR JAMB	METAL	INTACT	A	BROWN	EXTERIOR	1	BLDG 5	Positive	19.6
283	WALL	BICK	INTACT	B	BEIGE	EXTERIOR	1	BLDG 5	Negative	0.01
284	DOWN SPOUT	METAL	INTACT	B	BEIGE	EXTERIOR	1	BLDG 5	Negative	0
285	WALL	BICK	INTACT	C	BEIGE	EXTERIOR	1	BLDG 5	Negative	0
286	CAGE	METAL	INTACT	C	BROWN	EXTERIOR	1	BLDG 5	Negative	0.02
287	PIPE	METAL	INTACT	C	BEIGE	EXTERIOR	1	BLDG 5	Negative	0
288	PIPE	METAL	INTACT	C	SILVER	EXTERIOR	1	BLDG 5	Negative	0
289	TRANSFORMER SHIELD	METAL	INTACT	A	BROWN	EXTERIOR	1	BLDG 5	Positive	8.4
290	TRANSFORMER SHIELD	METAL	INTACT	D	BROWN	EXTERIOR	1	BLDG 5	Positive	10.1
291	TRANSFORMER	METAL	INTACT	C	GRAY, LIGHT	EXTERIOR	1	BLDG 5	Negative	0.09
292	VAULT COVER PLATES	METAL	INTACT	C	BROWN	EXTERIOR	1	BLDG 5	Negative	0.01
293	FLASHING	METAL	INTACT	C	BROWN	EXTERIOR	ROOF	BLDG 5	Negative	0
294	DUCT	METAL	INTACT	A	BEIGE	EXTERIOR	ROOF	BLDG 5	Negative	0.04
295	FLASHING	METAL	INTACT	A	BROWN	EXTERIOR	ROOF	BLDG 5	Negative	0
296	GUTTER	METAL	INTACT	A	BROWN	EXTERIOR	ROOF	BLDG 5	Negative	0
297	VENT	METAL	INTACT	A	UNPAINTED	EXTERIOR	ROOF	BLDG 5	Positive	77.7

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SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
298	BEAM	METAL	INTACT	A	BROWN	1	1	BLDG 6	Negative	0.02
299	STRUCTURAL STEEL	METAL	INTACT	A	BROWN	1	1	BLDG 6	Positive	4.7
300	CEILING	WOOD	INTACT	A	WHITE	1	1	BLDG 6	Negative	0.22
301	CEILING	WOOD	INTACT	A	WHITE	1	1	BLDG 6	Negative	0.09
302	CEILING	PLASTER	INTACT	A	WHITE	1	1	BLDG 6	Negative	0.08
303	CEILING PANEL	FIBEROUS	INTACT	A	WHITE	1	1	BLDG 6	Negative	0
304	T-GRID	METAL	INTACT	A	WHITE	1	1	BLDG 6	Negative	0.02
305	LIGHT FIXTURE	METAL	INTACT	A	WHITE	1	1	BLDG 6	Negative	0
306	DUCT	METAL	INTACT	C	BEIGE	1	1	BLDG 6	Negative	0.09
307	WALL	BRICK	INTACT	D	BEIGE	1	1	BLDG 6	Negative	0.04
308	WALL	CONCRETE	INTACT	D	BEIGE	1	1	BLDG 6	Negative	0.02
309	WALL	DRYWALL	INTACT	C	BEIGE	1	1	BLDG 6	Negative	0.1
310	WALL	PLASTER	INTACT	C	BEIGE	1	1	BLDG 6	Negative	0.06
311	WALL PANEL	WOOD	INTACT	B	BEIGE	1	1	BLDG 6	Negative	0
312	PANEL BOX	METAL	INTACT	B	BEIGE	1	1	BLDG 6	Negative	0
313	PANEL BOX	WOOD	INTACT	B	BLACK	1	1	BLDG 6	Negative	0.15
314	CONDUIT	METAL	INTACT	B	BEIGE	1	1	BLDG 6	Negative	0
315	DOOR	METAL	INTACT	A	BROWN	1	1	BLDG 6	Negative	0.01
316	DOOR JAMB	METAL	INTACT	A	BROWN	1	1	BLDG 6	Negative	0
317	WINDOW CASING	METAL	INTACT	A	BROWN	1	1	BLDG 6	Negative	0.02
318	WINDOW CASING	METAL	INTACT	D	BROWN	1	1	BLDG 6	Negative	0.02
319	WALL	BRICK	INTACT	A	BROWN	1	1	BLDG 6	Positive	11
320	WALL	BRICK	INTACT	A	WHITE	1	1	BLDG 6	Positive	5.3
321	RACK	METAL	INTACT	B	YELLOW	1	1	BLDG 6	Negative	0
322	WALL	DRYWALL	INTACT	B	BEIGE	2	1	BLDG 6	Negative	0.1
323	WALL	BRICK	INTACT	D	BEIGE	2	1	BLDG 6	Negative	0
324	PIPE	METAL	INTACT	D	BEIGE	2	1	BLDG 6	Positive	3.5
325	CONDUIT	METAL	INTACT	A	BEIGE	2	1	BLDG 6	Negative	0
326	PARTITION	METAL	INTACT	A	BEIGE	2	1	BLDG 6	Positive	2.5
327	SINK	PORCELAIN	INTACT	D	WHITE	2	1	BLDG 6	Negative	0.01
328	URINAL	PORCELAIN	INTACT	B	WHITE	2	1	BLDG 6	Negative	0.09
329	TOILET	PORCELAIN	INTACT	B	WHITE	2	1	BLDG 6	Negative	0
330	DOOR	METAL	INTACT	B	ORANGE	2	1	BLDG 6	Negative	0

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SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
331	DOOR JAMB	METAL	INTACT	B	BEIGE	2	1	BLDG 6	Negative	0
332	DOOR JAMB	WOOD	INTACT	A	BROWN	HALLWAY	1	BLDG 6	Positive	4.1
333	DOOR	WOOD	INTACT	A	BROWN	HALLWAY	1	BLDG 6	Positive	5.8
334	WALL	WOOD	INTACT	B	BEIGE	HALLWAY	1	BLDG 6	Positive	6.8
335	DOOR	METAL	INTACT	B	ORANGE	4	1	BLDG 6	Negative	0
336	DOOR JAMB	METAL	INTACT	B	BEIGE	4	1	BLDG 6	Negative	0
337	WALL	DRYWALL	INTACT	A	BEIGE	4	1	BLDG 6	Negative	0
338	WALL	DRYWALL	INTACT	A	BROWN	4	1	BLDG 6	Positive	4.5
339	WALL	BRICK	INTACT	C	BROWN	4	1	BLDG 6	Negative	0
340	WALL	BRICK	INTACT	C	BEIGE	4	1	BLDG 6	Negative	0
341	PIPE	BRICK	INTACT	C	BEIGE	4	1	BLDG 6	Negative	0.09
342	BEAM	BRICK	INTACT	C	BROWN	4	1	BLDG 6	Negative	0.01
343	CEILING TILE	FIBROUS	INTACT	C	WHITE	4	1	BLDG 6	Negative	0
344	LIGHT FIXTURE	METAL	INTACT	C	WHITE	4	1	BLDG 6	Negative	0
345	DOOR	METAL	INTACT	A	ORANGE	4 CLOSET	1	BLDG 6	Negative	0.03
346	DOOR	METAL	INTACT	A	BEIGE	4 CLOSET	1	BLDG 6	Negative	0
347	DOOR	METAL	INTACT	B	ORANGE	4	1	BLDG 6	Negative	0
348	DOOR JAMB	METAL	INTACT	B	BEIGE	4	1	BLDG 6	Negative	0
349	DUCT	METAL	INTACT	A	BEIGE	4	1	BLDG 6	Negative	0.06
350	WALL	BRICK	INTACT	A	BEIGE	5	1	BLDG 6	Negative	0
351	WALL	BRICK	INTACT	A	BROWN	5	1	BLDG 6	Negative	0
352	DOOR	METAL	INTACT	A	ORANGE	5	1	BLDG 6	Negative	0
353	DOOR JAMB	METAL	INTACT	A	BEIGE	5	1	BLDG 6	Negative	0
354	DOOR JAMB	METAL	INTACT	B	BROWN	6	1	BLDG 6	Negative	0
355	WALL GUARD	METAL	INTACT	B	BEIGE	6	1	BLDG 6	Negative	0.01
356	WALL	BRICK	INTACT	A	BEIGE	6	1	BLDG 6	Negative	0
357	WALL	BRICK	INTACT	A	BROWN	6	1	BLDG 6	Negative	0
358	PIPE	BRICK	INTACT	A	BROWN	6	1	BLDG 6	Negative	0
359	BEAM	METAL	INTACT	C	WHITE	6	1	BLDG 6	Negative	0.01
360	CEILING	METAL	INTACT	C	WHITE	6	1	BLDG 6	Negative	0.07
361	HOIST BEAM	METAL	INTACT	C	WHITE	6	1	BLDG 6	Negative	0.3
362	HOIST BEAM	METAL	INTACT	C	WHITE	6	1	BLDG 6	Negative	0.26
363	WALL	CONCRETE	INTACT	A	BEIGE	EXTERIOR	1	BLDG 6	Negative	0

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SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
364	DOOR	METAL	INTACT	A	BROWN	EXTERIOR	1	BLDG 6	Negative	0
365	DOOR JAMB	METAL	INTACT	A	BROWN	EXTERIOR	1	BLDG 6	Negative	0
366	BOLLARD	METAL	INTACT	A	YELLOW	EXTERIOR	1	BLDG 6	Negative	0.7
367	BOLLARD	METAL	INTACT	A	YELLOW	EXTERIOR	1	BLDG 6	Negative	0.23
368	BOLLARD	METAL	INTACT	A	YELLOW	EXTERIOR	1	BLDG 6	Positive	1.1
369	LADDER	METAL	INTACT	B	BROWN	EXTERIOR	1	BLDG 6	Negative	0.02
370	DOWN SPOUT	METAL	INTACT	B	BROWN	EXTERIOR	1	BLDG 6	Negative	0
371	DOOR	METAL	INTACT	B	TAN	EXTERIOR	1	BLDG 6	Negative	0
372	DOOR JAMB	METAL	INTACT	B	BROWN	EXTERIOR	1	BLDG 6	Negative	0
373	WALL	BRICK	INTACT	B	BEIGE	EXTERIOR	1	BLDG 6	Negative	0
374	WALL VENT	METAL	INTACT	B	BROWN	EXTERIOR	1	BLDG 6	Negative	0.11
375	WALL VENT	METAL	INTACT	C	BROWN	EXTERIOR	1	BLDG 6	Negative	0.05
376	WALL	BRICK	INTACT	C	BEIGE	EXTERIOR	1	BLDG 6	Negative	0
377	DOWN SPOUT	METAL	INTACT	C	BROWN	EXTERIOR	1	BLDG 6	Negative	0
378	DOWN SPOUT	METAL	INTACT	D	BROWN	EXTERIOR	1	BLDG 6	Negative	0
379	WALL	BRICK	INTACT	D	BEIGE	EXTERIOR	1	BLDG 6	Negative	0
380	WALL VENT	METAL	INTACT	D	BROWN	EXTERIOR	1	BLDG 6	Negative	0.17
381	WINDOW CASING	METAL	INTACT	D	BROWN	EXTERIOR	1	BLDG 6	Negative	0.01
382	FLASHING	METAL	INTACT	B	BROWN	EXTERIOR	ROOF	BLDG 6	Negative	0
383	FLASHING	METAL	INTACT	C	BROWN	EXTERIOR	ROOF	BLDG 6	Negative	0.01
384	FLASHING	METAL	INTACT	D	BROWN	EXTERIOR	ROOF	BLDG 6	Negative	0
385	VENT	METAL	DETERIORATED	CENTER	BEIGE	EXTERIOR	ROOF	BLDG 6	Negative	0.16
386	HVAC	METAL	INTACT	A	BEIGE	EXTERIOR	ROOF	BLDG 6	Negative	0.04
387	HVAC	METAL	INTACT	C	BEIGE	EXTERIOR	ROOF	BLDG 6	Negative	0.02
388	VENT JACKET	METAL	INTACT	D	UNPAINTED	EXTERIOR	ROOF	BLDG 6	Positive	76.6
389	CALIBRATE								Positive	1
390	CALIBRATE								Positive	1.1
391	CALIBRATE								Positive	1.1
392	SHUTTER_CAL									2.86
393	CALIBRATE								Positive	1.1
394	STRIPING	ASPHALT	INTACT		YELLOW	EXTERIOR	STREET	S. of BUNKER 5030	Negative	0.8
395	STRIPING	ASPHALT	INTACT		YELLOW	EXTERIOR	STREET	S. of BUNKER 5030	Positive	1.2
396	STRIPING	ASPHALT	INTACT		YELLOW	EXTERIOR	STREET	W. of BUNKER 5035	Positive	7.8

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SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
397	STRIPING	ASPHALT	DETERIORATED		YELLOW	EXTERIOR	STREET	N. ENTRY ROAD	Positive	5.3
398	STRIPING	ASPHALT	DETERIORATED		YELLOW	EXTERIOR	STREET	N. of 5052	Positive	5
399	STRIPING	ASPHALT	DETERIORATED		YELLOW	EXTERIOR	STREET	S. of BLDG 4	Positive	3.2
400	STRIPING	ASPHALT	DETERIORATED		YELLOW	EXTERIOR	STREET	LINEBACKER RD	Positive	1.5
401	WALL	BRICK	INTACT	A	WHITE	EXTERIOR	1	SHED E. of 5026	Negative	0
402	WALL	BRICK	INTACT	C	WHITE	EXTERIOR	1	SHED E. of 5026	Negative	0
403	WALL LOUVER	METAL	INTACT	C	BROWN	EXTERIOR	1	SHED E. of 5026	Positive	10.1
404	DOOR	METAL	INTACT	A	BROWN	EXTERIOR	1	SHED E. of 5026	Positive	18.5
405	DOOR JAMB	METAL	INTACT	A	BROWN	EXTERIOR	1	SHED E. of 5026	Positive	10.1
406	CABINET	METAL	INTACT	B	GRAY		1	SHED E. of 5026	Negative	0.21
407	CABINET	METAL	INTACT	B	GRAY		1	SHED E. of 5026	Negative	0.17
408	CABINET	METAL	INTACT	D	GRAY		1	SHED E. of 5026	Negative	0
409	WALL	BRICK	INTACT	C	WHITE		1	SHED E. of 5026	Negative	0
410	WALL SHIELD	METAL	DETERIORATED	C	GRAY	EXTERIOR	1	XFRMER W. of 5026	Positive	14.8
411	WALL SHIELD	METAL	INTACT	A	GRAY	EXTERIOR	1	XFRMER W. of 5026	Positive	12.6
412	FLOOR	CONCRETE	DETERIORATED	A	GRAY	EXTERIOR	1	XFRMER W. of 5026	Negative	0
413	FLOOR	CONCRETE	DETERIORATED	C	GRAY	EXTERIOR	1	XFRMER W. of 5026	Negative	0.01
414	VAULT COVER PLATE	METAL	DETERIORATED	B	GRAY	EXTERIOR	1	XFRMER W. of 5026	Negative	0
415	CALIBRATE								Positive	1.1
416	CALIBRATE								Positive	1.1
417	CALIBRATE								Negative	0.9
418	CALIBRATE								Positive	1.1
419	SHUTTER_CAL									2.82
420	CALIBRATE								Positive	1.1
421	CALIBRATE								Positive	1.1
422	CALIBRATE								Positive	1.1
423	DOOR	METAL	INTACT	A	BROWN	EXTERIOR	1	BUNKER 5022	Positive	4.4
424	WALL VENT	METAL	INTACT	A	GRAY	EXTERIOR	1	BUNKER 5022	Positive	3.2
425	VENT SEAM WELD	METAL	INTACT	C	GRAY	EXTERIOR	ROOF	BUNKER 5022	Positive	33.7
426	DOOR	METAL	INTACT	A	GRAY		1	BUNKER 5022	Positive	6.5
427	DOOR JAMB	METAL	INTACT	A	SILVER		1	BUNKER 5022	Positive	2.5
428	WALL	CONCRETE	INTACT	A	WHITE		1	BUNKER 5022	Negative	0
429	CEILING WALL	CONCRETE	INTACT	D	WHITE		1	BUNKER 5022	Negative	0

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SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
430	FLOOR	CONCRETE	DETERIORATED	A	GRAY		1	BUNKER 5022	Negative	0
431	FLOOR STRIPING	CONCRETE	DETERIORATED	A	YELLOW		1	BUNKER 5022	Positive	2
432	CABINET	WOOD	INTACT	A	BLACK		1	BUNKER 5022	Negative	0
433	VENT DOOR	METAL	DETERIORATED	C	BROWN	EXTERIOR	ROOF	BUNKER 5022	Positive	1.7
434	VENT DOOR	METAL	DETERIORATED	C	BROWN	EXTERIOR	ROOF	BUNKER 5023	Positive	1.5
435	VENT SEAM WELD	METAL	DETERIORATED	C	GRAY	EXTERIOR	ROOF	BUNKER 5023	Positive	31.4
436	DOOR	METAL	INTACT	A	BROWN	EXTERIOR	ROOF	BUNKER 5023	Positive	8.1
437	WALL VENT	METAL	INTACT	A	GRAY	EXTERIOR	ROOF	BUNKER 5023	Positive	4.7
438	DOOR	METAL	INTACT	A	GRAY		1	BUNKER 5023	Positive	7.5
439	DOOR JAMB	METAL	INTACT	A	SILVER		1	BUNKER 5023	Positive	9.7
440	FLOOR	CONCRETE	DETERIORATED	A	GRAY		1	BUNKER 5023	Negative	0
441	FLOOR	CONCRETE	DETERIORATED	C	GRAY		1	BUNKER 5023	Negative	0.01
442	WALL	CONCRETE	INTACT	A	WHITE		1	BUNKER 5023	Negative	0
443	WALL	CONCRETE	INTACT	C	WHITE		1	BUNKER 5023	Negative	0
444	CEILING WALL	CONCRETE	INTACT	D	WHITE		1	BUNKER 5023	Negative	0
445	FLOOR STRIPING	CONCRETE	INTACT	D	YELLOW		1	BUNKER 5023	Positive	2.3
446	VENT SCREEN	METAL	INTACT	A	BLACK		1	BUNKER 5023	Negative	0.01
447	DOOR	METAL	INTACT	A	GRAY		1	BUNKER 5024	Positive	4.1
448	DOOR JAMB	METAL	INTACT	A	SILVER		1	BUNKER 5024	Positive	7.2
449	WALL	CONCRETE	INTACT	A	WHITE		1	BUNKER 5024	Negative	0
450	WALL	CONCRETE	INTACT	C	WHITE		1	BUNKER 5024	Negative	0
451	CEILING WALL	CONCRETE	INTACT	D	WHITE		1	BUNKER 5024	Negative	0
452	FLOOR	CONCRETE	INTACT	D	GRAY		1	BUNKER 5024	Negative	0.03
453	FLOOR STRIPING	CONCRETE	INTACT	D	YELLOW		1	BUNKER 5024	Positive	1.3
454	DOOR	METAL	INTACT	A	BROWN	EXTERIOR	1	BUNKER 5024	Positive	5.8
455	WALL VENT	METAL	INTACT	A	GRAY	EXTERIOR	1	BUNKER 5024	Positive	6.9
456	VENT SEAM WELD	METAL	INTACT	C	GRAY	EXTERIOR	ROOF	BUNKER 5024	Positive	30
457	VENT DOOR	METAL	INTACT	C	BROWN	EXTERIOR	ROOF	BUNKER 5024	Positive	2.5
458	PANEL BOX	METAL	DETERIORATED	A	GRAY	EXTERIOR	1	BUNKER 5024	Negative	0.05
459	PANEL BOX	METAL	DETERIORATED	A	GRAY	EXTERIOR	1	BUNKER 5025	Negative	0.27
460	PANEL BOX	METAL	DETERIORATED	A	GRAY	EXTERIOR	1	BUNKER 5025	Negative	0.22
461	DOOR	METAL	INTACT	A	BROWN	EXTERIOR	1	BUNKER 5025	Positive	5.1
462	WALL VENT	METAL	INTACT	A	GRAY	EXTERIOR	1	BUNKER 5025	Positive	4.5

SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
463	VENT SEAM WELD	METAL	INTACT	C	GRAY	EXTERIOR	ROOF	BUNKER 5025	Positive	3.5
464	VENT DOOR	METAL	DETERIORATED	C	BROWN	EXTERIOR	ROOF	BUNKER 5025	Positive	2.4
465	DOOR	METAL	INTACT	C	GRAY		1	BUNKER 5025	Positive	6
466	DOOR JAMB	METAL	INTACT	C	WHITE		1	BUNKER 5025	Positive	8.9
467	WALL	CONCRETE	INTACT	A	WHITE		1	BUNKER 5025	Negative	0.01
468	WALL	CONCRETE	INTACT	C	WHITE		1	BUNKER 5025	Negative	0.01
469	CEILING WALL	CONCRETE	INTACT	B	WHITE		1	BUNKER 5025	Negative	0
470	FLOOR STRIPING	CONCRETE	INTACT	B	YELLOW		1	BUNKER 5025	Negative	0.9
471	FLOOR STRIPING	CONCRETE	INTACT	B	YELLOW		1	BUNKER 5025	Positive	3
472	FLOOR	CONCRETE	INTACT	A	GRAY		1	BUNKER 5025	Negative	0.01
473	FLOOR	CONCRETE	DETERIORATED	A	GRAY		1	BUNKER 5026	Negative	0
474	FLOOR STRIPING	CONCRETE	DETERIORATED	A	WHITE		1	BUNKER 5026	Negative	0.1
475	FLOOR STRIPING	CONCRETE	DETERIORATED	B	YELLOW		1	BUNKER 5026	Positive	1.2
476	WALL	CONCRETE	INTACT	A	WHITE		1	BUNKER 5026	Negative	0
477	WALL	CONCRETE	INTACT	C	WHITE		1	BUNKER 5026	Negative	0
478	CEILING WALL	CONCRETE	INTACT	B	WHITE		1	BUNKER 5026	Negative	0
479	DOOR	METAL	INTACT	A	GRAY		1	BUNKER 5026	Positive	5.6
480	DOOR JAMB	METAL	INTACT	A	SILVER		1	BUNKER 5026	Positive	4.9
481	DOOR	METAL	INTACT	A	BROWN		1	EXTERIOR	Positive	5.5
482	WALL VENT	METAL	INTACT	A	GRAY		1	EXTERIOR	Positive	6.3
483	PANEL BOX	METAL	DETERIORATED	A	GRAY		1	EXTERIOR	Negative	0.19
484	VENT SEAM WELD	METAL	INTACT	C	GRAY		ROOF	EXTERIOR	Positive	4.7
485	VENT DOOR	METAL	DETERIORATED	C	BROWN		ROOF	EXTERIOR	Positive	2.5
486	FLOOR	CONCRETE	DETERIORATED	A	GRAY		1	BUNKER 5027	Negative	0
487	FLOOR STRIPING	CONCRETE	DETERIORATED	A	YELLOW		1	BUNKER 5027	Positive	4.5
488	WALL	CONCRETE	INTACT	A	WHITE		1	BUNKER 5027	Negative	0
489	WALL	CONCRETE	INTACT	C	WHITE		1	BUNKER 5027	Negative	0
490	CEILING WALL	CONCRETE	INTACT	D	WHITE		1	BUNKER 5027	Negative	0
491	DOOR	METAL	INTACT	A	GRAY		1	BUNKER 5027	Positive	9.9
492	DOOR JAMB	METAL	INTACT	A	SILVER		1	BUNKER 5027	Positive	9
493	DOOR	METAL	INTACT	A	BROWN	EXTERIOR	1	BUNKER 5027	Positive	10.1
494	WALL VENT	METAL	INTACT	A	GRAY	EXTERIOR	1	BUNKER 5027	Positive	5.3
495	PANEL BOX	METAL	DETERIORATED	A	GRAY	EXTERIOR	1	BUNKER 5027	Negative	0.12

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496	VENT SEAM WELD	METAL	DETERIORATED	C	GRAY	EXTERIOR	ROOF	BUNKER 5027	Positive	4.1
497	VENT DOOR	METAL	DETERIORATED	C	BROWN	EXTERIOR	ROOF	BUNKER 5027	Positive	3.1
498	FLOOR	CONCRETE	DETERIORATED	A	GRAY		1	BUNKER 5028	Negative	0
499	FLOOR STRIPING	CONCRETE	DETERIORATED	A	YELLOW		1	BUNKER 5028	Positive	2.5
500	WALL	CONCRETE	DETERIORATED	A	WHITE		1	BUNKER 5028	Negative	0
501	WALL	CONCRETE	DETERIORATED	C	WHITE		1	BUNKER 5028	Negative	0
502	CEILING WALL	CONCRETE	INTACT	C	WHITE		1	BUNKER 5028	Negative	0
503	WALL VENT SCREEN	METAL	INTACT	A	BLACK		1	BUNKER 5028	Negative	0
504	DOOR	METAL	INTACT	A	GRAY		1	BUNKER 5028	Positive	3.7
505	DOOR JAMB	METAL	INTACT	A	SILVER		1	BUNKER 5028	Positive	8.3
506	DOOR	METAL	INTACT	A	BROWN		1	BUNKER 5028	Positive	2.9
507	WALL VENT	METAL	INTACT	A	GRAY		1	BUNKER 5028	Positive	6.1
508	PANEL BOX	METAL	DETERIORATED	A	GRAY		1	BUNKER 5028	Negative	0.1
509	CONDUIT	METAL	DETERIORATED	A	GRAY		1	BUNKER 5028	Negative	0.02
510	VENT SEAM WELD	METAL	INTACT	C	GRAY	EXTERIOR	ROOF	BUNKER 5028	Positive	30.5
511	VENT DOOR	METAL	DETERIORATED	C	BROWN	EXTERIOR	ROOF	BUNKER 5028	Positive	3.1
512	FLOOR	CONCRETE	DETERIORATED	A	GRAY		1	BUNKER 5029	Negative	0
513	FLOOR STRIPING	CONCRETE	DETERIORATED	A	YELLOW		1	BUNKER 5029	Positive	3.6
514	WALL	CONCRETE	INTACT	A	WHITE		1	BUNKER 5029	Negative	0
515	WALL	CONCRETE	INTACT	C	WHITE		1	BUNKER 5029	Negative	0
516	CEILING WALL	CONCRETE	INTACT	B	WHITE		1	BUNKER 5029	Negative	0
517	DOOR	METAL	INTACT	A	GRAY		1	BUNKER 5029	Positive	5
518	DOOR JAMB	METAL	INTACT	A	SILVER		1	BUNKER 5029	Positive	4.1
519	DOOR	METAL	INTACT	A	BROWN	EXTERIOR	1	BUNKER 5029	Positive	7
520	WALL VENT	METAL	INTACT	A	GRAY	EXTERIOR	1	BUNKER 5029	Positive	2.9
521	PANEL BOX	METAL	DETERIORATED	A	GRAY	EXTERIOR	1	BUNKER 5029	Negative	0.16
522	CONDUIT	METAL	DETERIORATED	A	GRAY	EXTERIOR	1	BUNKER 5029	Negative	0.01
523	VENT SEAM WELD	METAL	INTACT	C	GRAY	EXTERIOR	ROOF	BUNKER 5029	Positive	45.1
524	VENT DOOR	METAL	DETERIORATED	C	BROWN	EXTERIOR	ROOF	BUNKER 5029	Positive	6.1
525	FLOOR	CONCRETE	DETERIORATED	A	GRAY		1	BUNKER 5030	Negative	0
526	FLOOR STRIPING	CONCRETE	DETERIORATED	A	YELLOW		1	BUNKER 5030	Positive	8.1
527	WALL	CONCRETE	INTACT	A	WHITE		1	BUNKER 5030	Negative	0
528	WALL	CONCRETE	INTACT	C	WHITE		1	BUNKER 5030	Negative	0

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529	CEILING WALL	CONCRETE	INTACT	D	WHITE		1	BUNKER 5030	Negative	0
530	DOOR	METAL	INTACT	A	GRAY		1	BUNKER 5030	Positive	4.1
531	DOOR JAMB	METAL	INTACT	A	SILVER		1	BUNKER 5030	Positive	7.8
532	DOOR	METAL	INTACT	A	BROWN	EXTERIOR	1	BUNKER 5030	Positive	9.2
533	WALL VENT	METAL	INTACT	A	GRAY	EXTERIOR	1	BUNKER 5030	Positive	6
534	PANEL BOX	METAL	DETERIORATED	A	GRAY	EXTERIOR	1	BUNKER 5030	Negative	0
535	VENT SEAM WELD	METAL	INTACT	C	GRAY	EXTERIOR	ROOF	BUNKER 5030	Positive	3.7
536	VENT DOOR	METAL	DETERIORATED	C	BROWN	EXTERIOR	ROOF	BUNKER 5030	Positive	3.2
537	CALIBRATE								Positive	1.1
538	CALIBRATE								Positive	1
539	CALIBRATE								Positive	1.1
540	SHUTTER_CAL									2.95
541	CALIBRATE								Positive	1.1
542	CALIBRATE								Positive	1
543	CALIBRATE								Positive	1
544	CALIBRATE								Positive	1.1
545	FLOOR	CONCRETE	INTACT	A	GRAY		1	BUNKER 5034	Negative	0
546	FLOOR STRIPING	CONCRETE	INTACT	A	YELLOW		1	BUNKER 5034	Positive	1.8
547	WALL	CONCRETE	INTACT	A	WHITE		1	BUNKER 5034	Negative	0
548	WALL	CONCRETE	INTACT	C	WHITE		1	BUNKER 5034	Negative	0
549	CEILING WALL	CONCRETE	INTACT	D	WHITE		1	BUNKER 5034	Negative	0.01
550	WALL	PLASTER	INTACT	A	WHITE		1	BUNKER 5034	Negative	0
551	DOOR	METAL	INTACT	A	GRAY		1	BUNKER 5034	Positive	10.1
552	DOOR JAMB	METAL	INTACT	A	WHITE		1	BUNKER 5034	Positive	5.5
553	THRESHOLD	METAL	DETERIORATED	A	ORANGE		1	BUNKER 5034	Positive	3.9
554	DOOR	METAL	INTACT	A	BROWN	EXTERIOR	1	BUNKER 5034	Positive	10.1
555	DOOR HINGE	METAL	DETERIORATED	A	WHITE	EXTERIOR	1	BUNKER 5034	Positive	5.6
556	PANEL BOX	METAL	DETERIORATED	A	GRAY	EXTERIOR	1	BUNKER 5034	Negative	0.25
557	CONDUIT	METAL	DETERIORATED	A	GRAY	EXTERIOR	1	BUNKER 5034	Negative	0.06
558	VENT	METAL	DETERIORATED	C	BROWN	EXTERIOR	ROOF	BUNKER 5034	Positive	20.1
559	VENT	METAL	DETERIORATED	C	BROWN	EXTERIOR	ROOF	BUNKER 5036	Positive	10.1
560	PANEL BOX	METAL	DETERIORATED	A	GRAY	EXTERIOR	ROOF	BUNKER 5036	Negative	0.09
561	CONDUIT	METAL	DETERIORATED	A	GRAY	EXTERIOR	ROOF	BUNKER 5036	Negative	0.02

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562	DOOR	METAL	INTACT	A	BROWN	EXTERIOR	ROOF	BUNKER 5036	Positive	10.1
563	DOOR HINGE	METAL	DETERIORATED	A	WHITE	EXTERIOR	ROOF	BUNKER 5036	Positive	3.2
564	DOOR	METAL	INTACT	A	GRAY		1	BUNKER 5036	Positive	9
565	DOOR JAMB	METAL	INTACT	A	WHITE		1	BUNKER 5036	Positive	6.4
566	THRESHOLD	METAL	INTACT	A	GRAY		1	BUNKER 5036	Positive	4.5
567	WALL	PLASTER	INTACT	A	WHITE		1	BUNKER 5036	Negative	0
568	WALL	CONCRETE	INTACT	A	WHITE		1	BUNKER 5036	Negative	0
569	WALL	CONCRETE	INTACT	C	WHITE		1	BUNKER 5036	Negative	0
570	CEILING WALL	CONCRETE	INTACT	B	WHITE		1	BUNKER 5036	Negative	0
571	FLOOR	CONCRETE	INTACT	B	GRAY		1	BUNKER 5036	Negative	0
572	CALIBRATE								Positive	1.1
573	CALIBRATE								Positive	1.1
574	CALIBRATE								Positive	1.1
575	CALIBRATE								Positive	1.1
576	SHUTTER_CAL									3.03
577	CALIBRATE								Positive	1
578	CALIBRATE								Positive	1.1
579	CALIBRATE								Positive	1
580	DOCK GUARD	WOOD	DETERIORATED	A	YELLOW	EXTERIOR	1	BLDG 3	Positive	1.2
581	DOCK GUARD	METAL	DETERIORATED	A	YELLOW	EXTERIOR	1	BLDG 3	Positive	23.4
582	HAND RAIL	METAL	DETERIORATED	D	YELLOW	EXTERIOR	1	BLDG 3	Positive	6.6
583	DOCK	CONCRETE	DETERIORATED	D	YELLOW	DOCK	1	BLDG 3	Negative	0.8
584	DOCK	CONCRETE	DETERIORATED	D	YELLOW	DOCK	1	BLDG 3	Positive	3.1
585	DOCK WALL	CONCRETE	DETERIORATED	D	BEIGE	DOCK	1	BLDG 3	Negative	0
586	WALL	CONCRETE	DETERIORATED	A	BEIGE	DOCK	1	BLDG 3	Negative	0.01
587	WALL	CONCRETE	DETERIORATED	B	BEIGE	DOCK	1	BLDG 3	Negative	0
588	WALL	CONCRETE	DETERIORATED	C	BEIGE	DOCK	1	BLDG 3	Negative	0
589	WALL	CONCRETE	DETERIORATED	D	BEIGE	DOCK	1	BLDG 3	Negative	0.01
590	WINDOW CASING	METAL	INTACT	C	BROWN	DOCK	1	BLDG 3	Negative	0.3
591	WINDOW FRAME	METAL	INTACT	C	BROWN	DOCK	1	BLDG 3	Negative	0.6
592	WINDOW SILL	METAL	DETERIORATED	C	BROWN	DOCK	1	BLDG 3	Negative	0.8
593	WINDOW SILL	METAL	DETERIORATED	D	BROWN	DOCK	1	BLDG 3	Positive	1.2
594	WINDOW FRAME	METAL	INTACT	D	BROWN	DOCK	1	BLDG 3	Negative	0.9

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SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
595	WINDOW FRAME	METAL	INTACT	D	BROWN	DOCK	1	BLDG 3	Negative	0.6
596	WINDOW CASING	METAL	INTACT	D	BROWN	DOCK	1	BLDG 3	Negative	0.4
597	WINDOW CASING	METAL	INTACT	A	BROWN	DOCK	1	BLDG 3	Negative	0.8
598	WINDOW FRAME	METAL	INTACT	A	BROWN	DOCK	1	BLDG 3	Negative	0.7
599	WINDOW SILL	METAL	INTACT	A	BROWN	DOCK	1	BLDG 3	Negative	0.7
600	DOOR	METAL	DETERIORATED	A	BROWN	DOCK	1	BLDG 3	Positive	1.4
601	DOOR JAMB	METAL	INTACT	A	BROWN	DOCK	1	BLDG 3	Positive	3.2
602	DOOR	METAL	INTACT	C	BROWN	DOCK	1	BLDG 3	Negative	0.8
603	DOOR	METAL	INTACT	C	BROWN	DOCK	1	BLDG 3	Negative	0.8
604	DOOR	METAL	INTACT	C	BROWN	DOCK	1	BLDG 3	Negative	0.9
605	DOOR JAMB	METAL	INTACT	C	BROWN	DOCK	1	BLDG 3	Positive	3.1
606	CONDUIT	METAL	INTACT	A	BEIGE	DOCK	1	BLDG 3	Negative	0.01
607	DOCK GUARD	WOOD	DETERIORATED	C	YELLOW	DOCK	1	BLDG 3	Positive	8.1
608	DOCK GUARD	METAL	INTACT	C	YELLOW	DOCK	1	BLDG 3	Positive	7.6
609	DOCK	CONCRETE	INTACT	B	YELLOW	DOCK	1	BLDG 3	Negative	0.4
610	DOCK	CONCRETE	DETERIORATED	B	YELLOW	DOCK	1	BLDG 3	Positive	3.6
611	HAND RAIL	METAL	DETERIORATED	B	YELLOW	DOCK	1	BLDG 3	Positive	4.2
612	FLOOR STRIPING	ASPHALT	DETERIORATED	C	YELLOW	DOCK	1	BLDG 3	Positive	3.9
613	FASCIA	WOOD	DETERIORATED	A	BEIGE	DOCK	1	BLDG 3	Positive	1.2
614	FLASHING	METAL	INTACT	A	BROWN	DOCK	1	BLDG 3	Negative	0.17
615	VENT JACKET	METAL	INTACT	D	GRAY	EXTERIOR	ROOF	BLDG 3	Positive	82.2
616	WALL	CONCRETE	DETERIORATED	A	BEIGE	1	1	BLDG 3	Negative	0.21
617	LOWER WALL	CONCRETE	DETERIORATED	B	BEIGE	1	1	BLDG 3	Negative	0.16
618	CEILING	METAL	DETERIORATED	C	BEIGE	1	1	BLDG 3	Positive	5.2
619	BEAM	METAL	DETERIORATED	C	BEIGE	1	1	BLDG 3	Positive	3.2
620	LIGHT FIXTURE	METAL	DETERIORATED	C	WHITE	1	1	BLDG 3	Negative	0.03
621	DOOR	METAL	DETERIORATED	A	WHITE	1	1	BLDG 3	Negative	0
622	DOOR JAMB	METAL	DETERIORATED	A	WHITE	1	1	BLDG 3	Negative	0.25
623	WINDOW FRAME	METAL	DETERIORATED	D	WHITE	1	1	BLDG 3	Negative	0.5
624	WINDOW CASING	METAL	DETERIORATED	D	WHITE	1	1	BLDG 3	Negative	0.5
625	WALL	PLASTER	DETERIORATED	A	BEIGE	2	1	BLDG 3	Negative	0.14
626	WALL	PLASTER	DETERIORATED	B	BEIGE	2	1	BLDG 3	Negative	0.06
627	BASEBOARD	WOOD	DETERIORATED	B	BEIGE	2	1	BLDG 3	Negative	0.16

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SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
628	DOOR	WOOD	DETERIORATED	A	BEIGE	2	1	BLDG 3	Negative	0.28
629	PARTITION	METAL	DETERIORATED	C	BEIGE	2	1	BLDG 3	Negative	0.09
630	SINK	PORCELAIN	INTACT	C	WHITE	2	1	BLDG 3	Negative	0.01
631	TOILET	PORCELAIN	INTACT	C	WHITE	2	1	BLDG 3	Negative	0.04
632	WALL	PLASTER	INTACT	D	BEIGE	3	1	BLDG 3	Negative	0.6
633	WALL	PLASTER	INTACT	D	BEIGE	3	1	BLDG 3	Negative	0.5
634	WALL	CONCRETE	INTACT	B	BEIGE	3	1	BLDG 3	Negative	0.6
635	WALL	CONCRETE	INTACT	B	BEIGE	3	1	BLDG 3	Negative	0.6
636	BASEBOARD	CONCRETE	DETERIORATED	A	BEIGE	3	1	BLDG 3	Negative	0.4
637	PIPE	METAL	DETERIORATED	A	BEIGE	3	1	BLDG 3	Positive	1.2
638	WINDOW CASING	METAL	DETERIORATED	C	BEIGE	3	1	BLDG 3	Negative	0.4
639	WINDOW FRAME	METAL	DETERIORATED	C	BEIGE	3	1	BLDG 3	Negative	0.6
640	DOOR	METAL	DETERIORATED	C	BEIGE	3	1	BLDG 3	Positive	1.8
641	DOOR	METAL	DETERIORATED	C	BEIGE	3	1	BLDG 3	Positive	1.4
642	DOOR JAMB	METAL	DETERIORATED	C	GRAY	3	1	BLDG 3	Positive	1.6
643	CEILING	METAL	INTACT	C	TAN	5	1	BLDG 3	Positive	4.7
644	BEAM	METAL	INTACT	C	TAN	5	1	BLDG 3	Positive	4.6
645	CONDUIT	METAL	INTACT	C	TAN	5	1	BLDG 3	Negative	0.16
646	WALL	CONCRETE	DETERIORATED	C	TAN	5	1	BLDG 3	Negative	0.01
647	WALL	CONCRETE	DETERIORATED	D	TAN	5	1	BLDG 3	Negative	0.02
648	DOOR	METAL	INTACT	A	TAN	5	1	BLDG 3	Positive	1
649	DOOR JAMB	METAL	DETERIORATED	A	TAN	5	1	BLDG 3	Positive	11.3
650	FLOOR	CONCRETE	DETERIORATED	B	YELLOW	5	1	BLDG 3	Negative	0.02
651	DOOR	METAL	INTACT	C	GREEN	6	1	BLDG 3	Negative	0.8
652	DOOR	METAL	DETERIORATED	A	GREEN	6	1	BLDG 3	Negative	0.6
653	DOOR JAMB	METAL	DETERIORATED	A	GREEN	6	1	BLDG 3	Positive	5.9
654	CEILING	METAL	INTACT	A	GREEN	6	1	BLDG 3	Positive	3.5
655	BEAM	METAL	INTACT	A	GREEN	6	1	BLDG 3	Positive	3.4
656	WALL	CONCRETE	DETERIORATED	A	GREEN	6	1	BLDG 3	Negative	0.14
657	WALL	CONCRETE	DETERIORATED	D	GREEN	6	1	BLDG 3	Negative	0.1
658	WALL	CONCRETE	DETERIORATED	C	RED	6	1	BLDG 3	Negative	0.05
659	CONDUIT	METAL	DETERIORATED	C	GREEN	6	1	BLDG 3	Negative	0.02
660	CONDUIT	METAL	INTACT	C	WHITE	4	1	BLDG 3	Negative	0.07

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SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
661	PIPE	METAL	INTACT	C	WHITE	4	1	BLDG 3	Negative	0.28
662	UPPER WALL	CONCRETE	INTACT	D	WHITE	4	1	BLDG 3	Negative	0.07
663	LOWER WALL	CONCRETE	INTACT	D	BROWN	4	1	BLDG 3	Negative	0.15
664	LOWER WALL	CONCRETE	INTACT	C	BROWN	4	1	BLDG 3	Negative	0.15
665	UPPER WALL	CONCRETE	INTACT	B	WHITE	4	1	BLDG 3	Negative	0.02
666	DOOR	METAL	INTACT	A	BROWN	4	1	BLDG 3	Negative	0.6
667	DOOR JAMB	METAL	INTACT	A	BROWN	4	1	BLDG 3	Positive	6.4
668	CEILING	METAL	INTACT	C	BEIGE	4	1	BLDG 3	Positive	3.3
669	BEAM	METAL	INTACT	C	BROWN	4	1	BLDG 3	Positive	4.4
670	CALIBRATE								Positive	1
671	CALIBRATE								Positive	1.1
672	CALIBRATE								Positive	1.1
673	SHUTTER_CAL									2.84
674	CALIBRATE								Positive	1
675	CALIBRATE								Positive	1.1
676	CALIBRATE								Positive	1
677	DUCT	METAL	INTACT	A	TAN		1	BLDG 2	Negative	0.17
678	DUCT	METAL	INTACT	A	TAN		1	BLDG 2	Negative	0.12
679	BEAM	METAL	INTACT	A	TAN		1	BLDG 2	Negative	0.1
680	BEAM	METAL	INTACT	A	TAN		1	BLDG 2	Negative	0.11
681	CEILING	METAL	INTACT	A	TAN		1	BLDG 2	Negative	0.11
682	CEILING	METAL	INTACT	A	TAN		1	BLDG 2	Negative	0.17
683	CEILING PIPE	METAL	INTACT	A	TAN		1	BLDG 2	Negative	0.27
684	CEILING PIPE	METAL	INTACT	A	TAN		1	BLDG 2	Negative	0.17
685	LIGHT FIXTURE	METAL	INTACT	A	WHITE		1	BLDG 2	Negative	0.03
686	TANK	METAL	INTACT	A	GRAY		1	BLDG 2	Negative	0.07
687	PIPE	METAL	DETERIORATED	CENTER	GRAY		1	BLDG 2	Negative	0.09
688	PIPE	METAL	DETERIORATED	D	GRAY		1	BLDG 2	Negative	0.03
689	PUMP	METAL	INTACT	D	GRAY		1	BLDG 2	Negative	0.11
690	PUMP BASE	CONCRETE	DETERIORATED	D	RED		1	BLDG 2	Negative	0.05
691	DUCT	METAL	INTACT	C	TAN		1	BLDG 2	Negative	0.08
692	TRENCH PLATE BASE	METAL	INTACT	C	ORANGE		1	BLDG 2	Positive	5.5
693	FLOOR	CONCRETE	INTACT	C	GRAY		1	BLDG 2	Negative	0.01

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SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
694	TANK	METAL	INTACT	B	GREEN		1	BLDG 2	Negative	0.6
695	TANK	METAL	INTACT	B	GREEN		1	BLDG 2	Positive	1.2
696	SQUARE TANK	METAL	INTACT	B	GRAY		1	BLDG 2	Negative	0.12
697	SQUARE TANK STAND	METAL	DETERIORATED	B	GRAY		1	BLDG 2	Negative	0.6
698	SQUARE TANK STAND	METAL	DETERIORATED	B	GRAY		1	BLDG 2	Positive	1
699	WALL	BRICK	DETERIORATED	B	WHITE		1	BLDG 2	Negative	0
700	LOWER WALL	BRICK	DETERIORATED	B	GRAY		1	BLDG 2	Negative	0.06
701	LOWER WALL	BRICK	DETERIORATED	C	GRAY		1	BLDG 2	Negative	0.08
702	WALL	BRICK	DETERIORATED	C	WHITE		1	BLDG 2	Negative	0.04
703	PANEL BOX	METAL	DETERIORATED	C	GRAY		1	BLDG 2	Negative	0.12
704	CONDUIT	METAL	DETERIORATED	C	GRAY		1	BLDG 2	Negative	0.11
705	WALL	DRYWALL	INTACT	C	GRAY	RESTROOM	1	BLDG 2	Negative	0.3
706	WALL	DRYWALL	INTACT	C	WHITE	RESTROOM	1	BLDG 2	Negative	0.21
707	WALL	DRYWALL	INTACT	C	GREEN	RESTROOM	1	BLDG 2	Positive	1.2
708	WALL	BRICK	INTACT	C	GREEN	RESTROOM	1	BLDG 2	Positive	2.3
709	SINK	PORCELAIN	INTACT	C	WHITE	RESTROOM	1	BLDG 2	Negative	0
710	TOILET	PORCELAIN	INTACT	C	WHITE	RESTROOM	1	BLDG 2	Negative	0
711	CABINET	METAL	INTACT	C	OFF WHITE	RESTROOM	1	BLDG 2	Negative	0
712	WALL	CONCRETE	INTACT	A	BEIGE	EXTERIOR	1	BLDG 2	Negative	0
713	WALL	BRICK	INTACT	A	BEIGE	EXTERIOR	1	BLDG 2	Negative	0
714	WALL FLASHING	METAL	INTACT	A	BEIGE	EXTERIOR	1	BLDG 2	Negative	0.01
715	FLASHING	METAL	INTACT	A	BROWN	EXTERIOR	ROOF	BLDG 2	Negative	0.06
716	DOOR	METAL	INTACT	C	BROWN		1	BLDG 2	Negative	0.03
717	DOOR JAMB	METAL	DETERIORATED	C	GRAY		1	BLDG 2	Negative	0.06
718	DOOR JAMB	METAL	INTACT	A	BROWN	EXTERIOR	1	BLDG 2	Positive	6.8
719	DOWN SPOUT	METAL	INTACT	A	BEIGE	EXTERIOR	1	BLDG 2	Negative	0.12
720	WALL LOUVER	METAL	INTACT	A	BEIGE	EXTERIOR	1	BLDG 2	Negative	0.09
721	WALL	CONCRETE	INTACT	B	BEIGE	EXTERIOR	1	BLDG 2	Negative	0
722	WALL	BRICK	INTACT	B	BEIGE	EXTERIOR	1	BLDG 2	Negative	0
723	WALL FLASHING	METAL	INTACT	B	BEIGE	EXTERIOR	1	BLDG 2	Negative	0
724	FLASHING	METAL	INTACT	B	BROWN	EXTERIOR	ROOF	BLDG 2	Negative	0.12
725	PIPE	METAL	INTACT	B	BEIGE	EXTERIOR	1	BLDG 2	Negative	0.01
726	PIPE RACK	METAL	INTACT	C	BEIGE	EXTERIOR	1	BLDG 2	Negative	0.06

March ARB XRF Data
October 2021

SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
727	FAN HOUSING	METAL	DETERIORATED	D	BEIGE	EXTERIOR	ROOF	BLDG 2	Negative	0.09
728	FAN HOUSING	METAL	DETERIORATED	B	BEIGE	EXTERIOR	ROOF	BLDG 2	Negative	0.16
729	VENT	METAL	DETERIORATED	B	BEIGE	EXTERIOR	ROOF	BLDG 2	Positive	6.2
730	FLOOR STRIPING	ASPHALT	DETERIORATED	A	YELLOW	EXTERIOR	1	BLDG 2	Positive	1.5
731	PANEL BOX	METAL	DETERIORATED		ORANGE	W423	1	POWER POLE	Negative	0.4
732	PANEL BOX	METAL	DETERIORATED		ORANGE	W423	1	POWER POLE	Negative	0.3
733	CONDUIT	METAL	DETERIORATED		BROWN	W423	1	POWER POLE	Negative	0.07
734	PANEL BOX	METAL	DETERIORATED		WHITE	W423	1	POWER POLE	Negative	0.19
735	PANEL BOX	METAL	DETERIORATED		YELLOW	1-27A	1	POWER POLE	Positive	1.4
736	PANEL BOX	METAL	DETERIORATED		WHITE	1-27A	1	POWER POLE	Negative	0.15
737	CONDUIT	METAL	DETERIORATED		BROWN	1-27A	1	POWER POLE	Negative	0.08
738	CONDUIT	METAL	DETERIORATED		BROWN	1-18A	1	POWER POLE	Negative	0.06
739	PANEL BOX	METAL	DETERIORATED		ORANGE	1-18A	1	POWER POLE	Negative	0.9
740	PANEL BOX	METAL	DETERIORATED		ORANGE	1-18A	1	POWER POLE	Positive	1.1
741	PANEL BOX	METAL	DETERIORATED		WHITE	1-18A	1	POWER POLE	Negative	0.17
742	PANEL BOX	METAL	DETERIORATED		WHITE	W397	1	POWER POLE	Negative	0.29
743	PANEL BOX	METAL	DETERIORATED		ORANGE	W397	1	POWER POLE	Positive	1.3
744	CONDUIT	METAL	DETERIORATED		BROWN	W397	1	POWER POLE	Negative	0.25
745	CONDUIT	METAL	DETERIORATED		BROWN	1-5A	1	POWER POLE	Negative	0.6
746	CONDUIT	METAL	DETERIORATED		BROWN	1-5A	1	POWER POLE	Negative	0.6
747	PANEL BOX	METAL	DETERIORATED		WHITE	1-5A	1	POWER POLE	Negative	0.17
748	PANEL BOX	METAL	DETERIORATED		WHITE	1-5A	1	POWER POLE	Negative	0.15
749	PANEL BOX	METAL	DETERIORATED		ORANGE	1-5A	1	POWER POLE	Negative	0.8
750	PANEL BOX	METAL	DETERIORATED		ORANGE	1-5A	1	POWER POLE	Negative	0.9
751	PANEL BOX	METAL	DETERIORATED		ORANGE	1-5A	1	POWER POLE	Negative	0.9
752	PANEL BOX	METAL	DETERIORATED		ORANGE	1-5A	1	POWER POLE	Negative	0.8
753	PANEL BOX	METAL	DETERIORATED		ORANGE	W496	1	POWER POLE	Negative	0.8
754	PANEL BOX	METAL	DETERIORATED		ORANGE	W496	1	POWER POLE	Negative	0.8
755	PANEL BOX	METAL	DETERIORATED		ORANGE	W496	1	POWER POLE	Negative	0.9
756	PANEL BOX	METAL	DETERIORATED		WHITE	W496	1	POWER POLE	Negative	0.1
757	PANEL BOX	METAL	DETERIORATED		WHITE	W496	1	POWER POLE	Negative	0.3
758	CONDUIT	METAL	DETERIORATED		BROWN	W496	1	POWER POLE	Negative	0.02
759	CONDUIT	METAL	DETERIORATED		BROWN	W496	1	POWER POLE	Negative	0.26

March ARB XRF Data
October 2021

SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
760	PANEL BOX	METAL	DETERIORATED		ORANGE	W505	1	POWER POLE	Negative	0.8
761	PANEL BOX	METAL	DETERIORATED		ORANGE	W505	1	POWER POLE	Negative	0.9
762	PANEL BOX	METAL	DETERIORATED		ORANGE	W505	1	POWER POLE	Negative	0.8
763	PANEL BOX	METAL	DETERIORATED		ORANGE	W460	1	POWER POLE	Positive	1.8
764	PANEL BOX	METAL	DETERIORATED		WHITE	W460	1	POWER POLE	Negative	0.15
765	PANEL BOX	METAL	DETERIORATED		WHITE	W460	1	POWER POLE	Negative	0.11
766	CONDUIT	METAL	DETERIORATED		BROWN	W460	1	POWER POLE	Negative	0.03
767	CONDUIT	METAL	DETERIORATED		BROWN	W451	1	POWER POLE	Negative	0.08
768	CONDUIT	METAL	DETERIORATED		BROWN	W451	1	POWER POLE	Negative	0.09
769	PANEL BOX	METAL	DETERIORATED		WHITE	W451	1	POWER POLE	Negative	0.14
770	PANEL BOX	METAL	DETERIORATED		WHITE	W451	1	POWER POLE	Negative	0.17
771	PANEL BOX	METAL	DETERIORATED		ORANGE	W451	1	POWER POLE	Negative	0.9
772	PANEL BOX	METAL	DETERIORATED		ORANGE	W451	1	POWER POLE	Positive	1.2
773	PANEL BOX	METAL	DETERIORATED		ORANGE	2-57A	1	POWER POLE	Negative	0.3
774	PANEL BOX	METAL	DETERIORATED		ORANGE	2-57A	1	POWER POLE	Negative	0.7
775	PANEL BOX	METAL	DETERIORATED		ORANGE	2-57A	1	POWER POLE	Negative	0.6
776	PANEL BOX	METAL	DETERIORATED		WHITE	2-57A	1	POWER POLE	Negative	0.15
777	PANEL BOX	METAL	DETERIORATED		WHITE	2-57A	1	POWER POLE	Negative	0.13
778	CONDUIT	METAL	DETERIORATED		BROWN	2-57A	1	POWER POLE	Negative	0.16
779	CONDUIT	METAL	DETERIORATED		BROWN	2-57A	1	POWER POLE	Negative	0.05
780	CONDUIT	METAL	DETERIORATED		BROWN	W487	1	POWER POLE	Negative	0.01
781	CONDUIT	METAL	DETERIORATED		BROWN	W487	1	POWER POLE	Negative	0.08
782	PANEL BOX	METAL	DETERIORATED		WHITE	W487	1	POWER POLE	Negative	0.27
783	PANEL BOX	METAL	DETERIORATED		WHITE	W487	1	POWER POLE	Negative	0.09
784	PANEL BOX	METAL	DETERIORATED		ORANGE	W487	1	POWER POLE	Positive	1.4
785	PANEL BOX	METAL	DETERIORATED		ORANGE	W444	1	POWER POLE	Negative	0.4
786	PANEL BOX	METAL	DETERIORATED		ORANGE	W444	1	POWER POLE	Positive	1.6
787	PANEL BOX	METAL	DETERIORATED		WHITE	W444	1	POWER POLE	Negative	0.2
788	PANEL BOX	METAL	DETERIORATED		WHITE	W444	1	POWER POLE	Negative	0.05
789	CONDUIT	METAL	DETERIORATED		BROWN	W444	1	POWER POLE	Negative	0.02
790	CONDUIT	METAL	DETERIORATED		BROWN	W444	1	POWER POLE	Negative	0.08
791	CALIBRATE								Positive	1
792	CALIBRATE								Positive	1.1

March ARB XRF Data
October 2021

SHOT No.	COMPONENT	SUBSTRATE	CONDITION	SIDE	COLOR	ROOM	FLOOR	BUILDING	Results	PbC
793	CALIBRATE								Positive	1
794	SHUTTER_CAL									3.08
795	CALIBRATE								Positive	1.1
796	CALIBRATE								Positive	1
797	CALIBRATE								Positive	1
798	WALL	BRICK	DETERIORATED	A	WHITE	LIVING	1	BLDG 7	Negative	0.3
799	WALL	BRICK	DETERIORATED	A	WHITE	LIVING	1	BLDG 7	Positive	1
800	CEILING	DRYWALL	DETERIORATED	B	WHITE	LIVING	1	BLDG 7	Negative	0.5
801	CEILING	DRYWALL	DETERIORATED	B	WHITE	LIVING	1	BLDG 7	Negative	0.4
802	WINDOW CASING	METAL	DETERIORATED	D	WHITE	LIVING	1	BLDG 7	Positive	3.2
803	WALL	BRICK	DETERIORATED	D	BEIGE	LIVING	1	BLDG 7	Negative	0
804	DOWN SPOUT	METAL	DETERIORATED	D	BROWN	LIVING	1	BLDG 7	Negative	0
805	FASCIA	WOOD	DETERIORATED	C	BEIGE	LIVING	1	BLDG 7	Positive	9.9
806	SOFFIT	WOOD	DETERIORATED	C	BEIGE	LIVING	1	BLDG 7	Positive	7
807	CURB	WOOD	DETERIORATED	A	BROWN	LIVING	1	BLDG 7	Negative	0
808	CURB	WOOD	DETERIORATED	A	BROWN	LIVING	1	BLDG 7	Negative	0
809	DOG KENNEL WALL	BRICK	INTACT	C	BROWN	LIVING	1	BLDG 7	Negative	0
810	DOG KENNEL WALL	BRICK	INTACT	C	BROWN	LIVING	1	BLDG 7	Negative	0
811	DOG KENNEL WALL	BRICK	INTACT	C	WHITE	LIVING	1	BLDG 7	Negative	0
812	DOG KENNEL WALL	WOOD	DETERIORATED	C	WHITE	LIVING	1	BLDG 7	Negative	0
813	CALIBRATE								Positive	1
814	CALIBRATE								Positive	1
815	CALIBRATE								Positive	1.1

ATTACHMENT G -
CONSULTANT CERTIFICATIONS

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Peter J Kolesar, Jr.
Name

Certification No. **15-5543**

Expires on **05/17/22**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
	Lead Inspector/Assessor	LRC-00007820	12/3/2021
	Lead Project Monitor	LRC-00007819	12/3/2021

Peter Kolesar

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD.

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

Eloy Jessy Acuna
Name

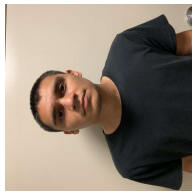
Certification No. 18-6186

Expires on 05/15/22

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
 **Eloy Acuna**	Lead Sampling Technician	LRC-00008422	3/17/2022

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD.

STATE OF CALIFORNIA — Gavin Newsom, Governor

DEPARTMENT OF INDUSTRIAL RELATIONS
Division of Occupational Safety and Health
Asbestos Certification & Training Unit
1750 Howe Avenue, Suite 460
Sacramento, CA 95825
(916) 574-2993 Office http://www.dir.ca.gov/dosh/asbestos.html acru@dir.ca.gov

504273791C **278**

April 29, 2021

Yvan A Schmidt
[redacted]

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, you must abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

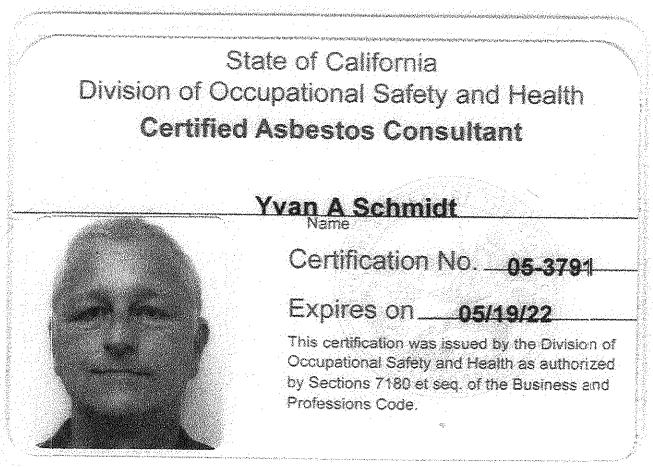
Please notify our office via U.S. Postal Service or other carrier of any changes in your mailing or work address within 15 days of the change.

Sincerely,

Jeff Ferrell
Senior Safety Engineer

Attachment: Certification Card

cc: File


State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Yvan A Schmidt
Name

Certification No. 05-3791

Expires on 05/19/22

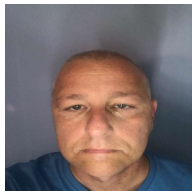
This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

Renewal – Card Attached (Revised 06/2020)

California Department of PublicHealth

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:	CERTIFICATE TYPE:	NUMBER:	EXPIRATION DATE:
	Lead Project Monitor	LRC-00000813	5/27/2022
	Lead Project Designer	LRC-00000815	5/27/2022
	Lead Inspector/Assessor	LRC-00000814	5/27/2022

Yvan Schmidt

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD.

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 500044-0

AQ Environmental Laboratories - Bulk Asbestos Fiber Analysis

Signal Hill, CA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2021-01-01 through 2021-12-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AQ Environmental Laboratories - Bulk Asbestos Fiber Analysis

1508 E. 33rd Street
Signal Hill, CA 90755
Ms. Cristina E. Tabatt
Phone: 562-206-2770 Fax: 562-206-2773
Email: ctabatt@aqenvlabs.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 500044-0**

Bulk Asbestos Analysis

Code	***Description***
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

For the National Voluntary Laboratory Accreditation Program

CALIFORNIA
Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

AQ Environmental Laboratories, LLC

1508 East 33rd Street

Signal Hill, CA 90755

Scope of the certificate is limited to the
"Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on compliance with applicable laws and regulations, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2823**

Effective Date: **9/1/2021**

Expiration Date: **8/31/2023**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Fields of Accreditation

AQ Environmental Laboratories, LLC

1508 East 33rd Street
Signal Hill, CA 90755
Phone: 5622062770

Certificate Number: **2823**
Expiration Date: **8/31/2023**

Field of Accreditation: 114 - Inorganic Constituents in Hazardous Waste			
114.515	001	Lead	EPA 7420
Field of Accreditation: 121 - Bulk Asbestos Analysis of Hazardous Waste			
121.010	001	Bulk Asbestos	EPA 600/M4-82-020

As of 9/1/2021 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

Appendix C: CA-ELAP Certificate

CALIFORNIA Water Boards
STATE WATER RESOURCES CONTROL BOARD
REGIONAL WATER QUALITY CONTROL BOARDS

Interim

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Advanced Technology Laboratories

3275 Walnut Avenue

Signal Hill, CA 90755

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site inspection, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1838**

Expiration Date: **12/31/2021**

Effective Date: **1/1/2021**

Sacramento, California
subject to forfeiture or revocation

Christine Sotelo, Chief
Environmental Laboratory Accreditation Program

Appendix C: NELAP Certificate

Oregon
Environmental Laboratory
Accreditation Program

NELAP Recognized

Advanced Technology Laboratories

CA300003

3275/3291 Walnut Ave. & 1418 E.33rd St.

Signal Hill, CA 90755

IS GRANTED APPROVAL BY ORELAP UNDER THE 2016 TNI STANDARDS, TO PERFORM ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW :

Air	Drinking Water	Non-Potable Water	Solids and Chemical Waste	Tissue
Chemistry	Chemistry	Chemistry	Chemistry	

AND AS RECORDED IN THE LIST OF APPROVED ANALYTES, METHODS, ANALYTICAL TECHNIQUES, AND FIELDS OF TESTING ISSUED CONCURRENTLY WITH THIS CERTIFICATE AND REVISED AS NECESSARY.

ACCREDITED STATUS DEPENDS ON SUCCESSFUL ONGOING PARTICIPATION IN THE PROGRAM AND CONTINUED COMPLIANCE WITH THE STANDARDS.

CUSTOMERS ARE URGED TO VERIFY THE LABORATORY'S CURRENT ACCREDITATION STATUS IN OREGON.

Travis Bartholomew
Oregon State Public Health Laboratory
ORELAP Program Manager
7202 NE Evergreen Parkway, Suite 100
Hillsboro, OR 97124

EFFECTIVE DATE : 1/30/2021
EXPIRATION DATE : 1/29/2022
Certificate No : CA300003 - 013

Appendix C: DBE Certificate – Caltrans / CUCP

CALIFORNIA UNIFIED CERTIFICATION PROGRAM
DISADVANTAGED BUSINESS ENTERPRISE CERTIFICATE

ADVANCED TECHNOLOGY LABORATORIES
3275 WALNUT AVENUE
SIGNAL HILL, CA 90755

Owner: EDGAR CABALLERO
Business Structure: CORPORATION

This certificate acknowledges that said firm is approved by the California Unified Certification Program (CUCP) as a Disadvantaged Business Enterprise (DBE) as defined by the U.S. Department of Transportation (DOT) CFR 49 Part 26, as may be amended, for the following NAICS codes:

NAICS Code(s) * Indicates primary NAICS code

* 541380 Testing Laboratories

Work Category Code(s)

I8730 RESEARCH & TESTING SERVICES

I8734 LABORATORY TESTING AND ANALYSIS

Licenses

UNIFIED CERTIFICATION PROGRAM

CERTIFYING AGENCY:
DEPARTMENT OF TRANSPORTATION
1823 14TH STREET
SACRAMENTO, CA 95811 0000
(916) 324-1700

UCP Firm Number : 20968

CUCP OFFICER

April 8, 2011

Appendix C: DBE Certificate – CUCP/Caltrans (continued)

CALIFORNIA UNIFIED CERTIFICATION PROGRAM (CUCP)

DEPARTMENT OF TRANSPORTATION
CIVIL RIGHTS
1823 - 14th STREET, MS-79
SACRAMENTO, CA 95814

Phone (916) 324-1700
Free (866) 810-6346
Fax (916) 324-1862
TTY (916) 324-2252

County codes as defined by Caltrans are listed below. If you wish to work anywhere in the State you may use the Statewide (SW) code.

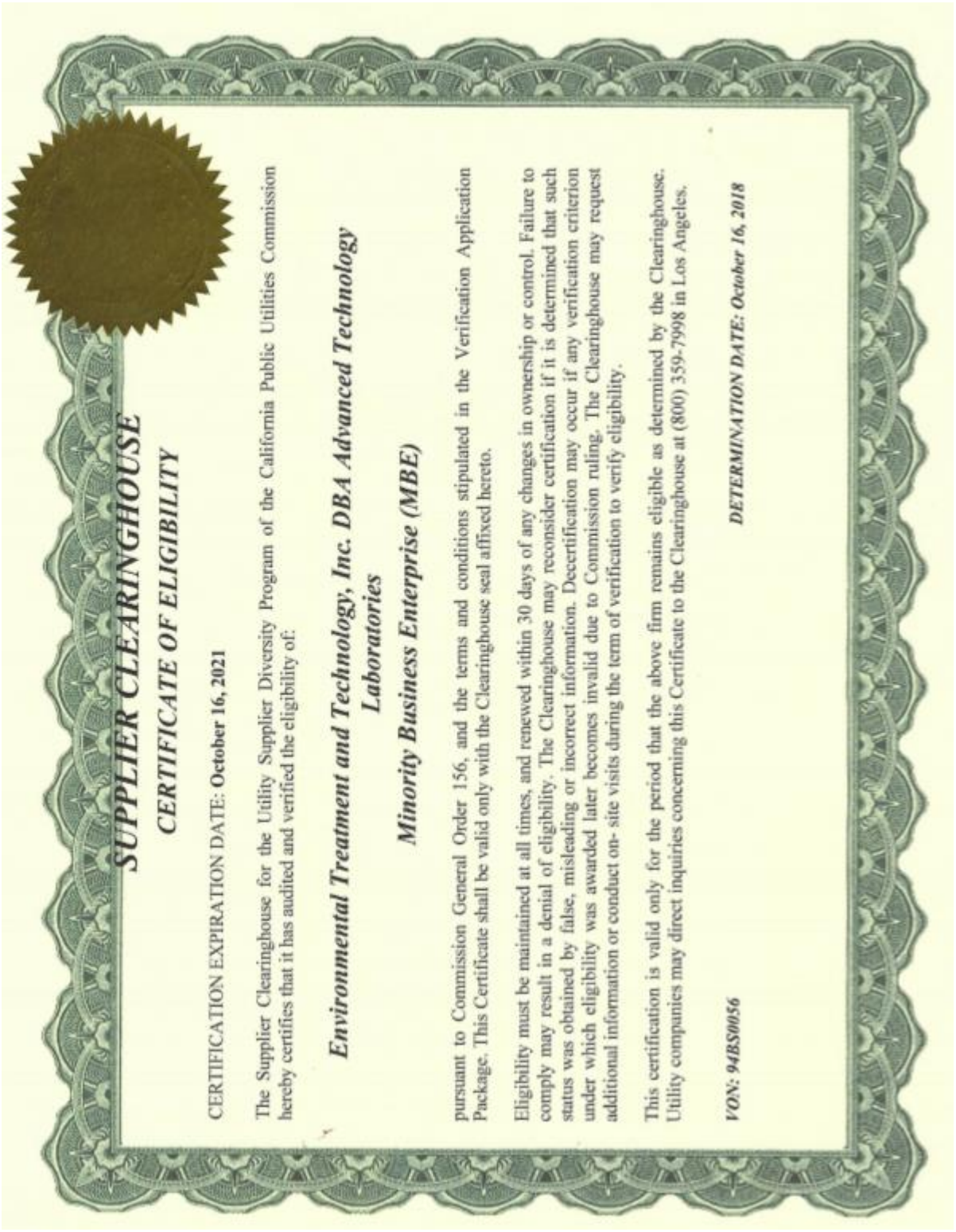
SW STATEWIDE
(ALL COUNTIES)

01 ALAMEDA	21 MARIN	41 SAN MATEO
02 ALPINE	22 MARIPOSA	42 SANTA BARBARA
03 AMADOR	23 MENDOCINO	43 SANTA CLARA
04 BUTTE	24 MERCED	44 SANTA CRUZ
05 CALAVERAS	25 MODOC	45 SHASTA
06 COLUSA	26 MONO	46 SIERRA
07 CONTRA COSTA	27 MONTEREY	47 SISKIYOU
08 DEL NORTE	28 NAPA	48 SOLANO
09 EL DORADO	29 NEVADA	49 SONOMA
10 FRESNO	30 ORANGE	50 STANISLAUS
11 GLENN	31 PLACER	51 SUTTER
12 HUMBOLDT	32 PLUMAS	52 TEHAMA
13 IMPERIAL	33 RIVERSIDE	53 TRINITY
14 INYO	34 SACRAMENTO	54 TULARE
15 KERN	35 SAN BENITO	55 TUOLUMNE
17 LAKE	36 SAN BERNARDINO	56 VENTURA
16 KINGS	37 SAN DIEGO	57 YOLO
18 LASSEN	38 SAN FRANCISCO	58 YUBA
19 LOS ANGELES	39 SAN JOAQUIN	
20 MADERA	40 SAN LUIS OBISPO	

Sincerely,

RITA A. NELSON, Chief
Office of Certification

Appendix C: MBE Certificate – Supplier Clearinghouse



SUPPLIER CLEARINGHOUSE

CERTIFICATE OF ELIGIBILITY

CERTIFICATION EXPIRATION DATE: **October 16, 2021**

The Supplier Clearinghouse for the Utility Supplier Diversity Program of the California Public Utilities Commission hereby certifies that it has audited and verified the eligibility of:

Environmental Treatment and Technology, Inc. DBA Advanced Technology Laboratories

Minority Business Enterprise (MBE)

pursuant to Commission General Order 156, and the terms and conditions stipulated in the Verification Application Package. This Certificate shall be valid only with the Clearinghouse seal affixed hereto.

Eligibility must be maintained at all times, and renewed within 30 days of any changes in ownership or control. Failure to comply may result in a denial of eligibility. The Clearinghouse may reconsider certification if it is determined that such status was obtained by false, misleading or incorrect information. Decertification may occur if any verification criterion under which eligibility was awarded later becomes invalid due to Commission ruling. The Clearinghouse may request additional information or conduct on- site visits during the term of verification to verify eligibility.

This certification is valid only for the period that the above firm remains eligible as determined by the Clearinghouse. Utility companies may direct inquiries concerning this Certificate to the Clearinghouse at (800) 359-7998 in Los Angeles.

VON: 94BS0056

DETERMINATION DATE: October 16, 2018

Appendix C: SBE Certificate – Metro

Los Angeles County
Metropolitan Transportation Authority

One Gateway Plaza
Los Angeles, CA 90012-2952

213.922.2000 Tel
metro.net

Metro

April 27, 2018

Metro File #7762

Mr. EDGAR CABALLERO
Environmental Treatment and Technology, Inc. DBA Advanced Technology Laboratories
P.O. BOX 92797
LONG BEACH, CA 90809

Subject: Small Business Enterprise Certification

Dear Mr. EDGAR CABALLERO:

We are pleased to advise you that after careful review of your application and supporting documentation, the Los Angeles County Metropolitan Transportation Authority (Metro) has determined that your firm meets the eligibility standards to be certified as a Small Business Enterprise (SBE) as required under Metro's SBE Program. Your firm will be listed in Metro's SBE database of certified SBEs under the following specific areas of expertise:

NAICS 541380: TESTING LABORATORIES
NAICS 562910: REMEDIATION SERVICES

Your SBE certification is valid for five years from the date of this letter and applies only for the above NAICS code(s). Any additions and revisions must be submitted to Metro for review and approval.

In order to ensure your continuing SBE status, you are required to submit an annual update along with supporting documentation. If no changes are noted, then your SBE status remains current. If there are changes, Metro will review to determine continued SBE eligibility. Please note, your SBE status remains in effect unless Metro notifies you otherwise.

After the five-year certification period, your entire file will be reviewed in order to ascertain continued SBE certification status. You will be notified of the pending SBE status review and any documentation updates necessary prior to the expiration date.

Also, should any changes occur that could affect your certification status prior to receipt of the annual update application, such as changes in your firm's name, business/mailing address, ownership, management or control, or failure to meet the applicable business size standards or personal net worth standard, please notify Metro immediately.

Metro reserves the right to withdraw this certification if at any time it is determined that it was knowingly obtained by false, misleading, or incorrect information. Your SBE certification is subject to review at any time. The firm thereby consents to the examination of its books, records, and documents by Metro.

Congratulations, and thank you for your interest in Metro's SBE Program. Should you have any questions, please contact us at (213) 922-2600. For information on Metro contracting opportunities, please visit our website at www.metro.net.

Sincerely,

Shirley Wong
Sr. Certification Officer
Diversity & Economic Opportunity Department

Appendix C: SBE Certificate – California Dept. of General Services

Printed on: 7/16/2020 1:09:41 PM

To verify most current certification status go to: https://www.caleprocure.ca.gov

DGS
CALIFORNIA DEPARTMENT OF GENERAL SERVICES

Office of Small Business & DVBE Services

Certification ID: 61086

Legal Business Name:
ENVIRONMENTAL TREATMENT & TECHNOLOGY INC

Doing Business As (DBA) Name 1:
ADVANCED TECHNOLOGY LABORATORIES

Doing Business As (DBA) Name 2:

Address:
3275 WALNUT AVENUE
SIGNAL HILL
CA 90755

Email Address:
christine.caballero@atlglobal.com

Business Web Page:
http://www.atlglobal.com

Business Phone Number:
562/989-4045

Business Fax Number:
562/989-6348

Business Types:
Service

Certification Type	Status	From	To
SB(Micro)	Approved	07/15/2020	07/31/2022
SB-PW	Approved	07/16/2020	07/31/2022

Stay informed! KEEP YOUR CERTIFICATION PROFILE UPDATED!
-LOG IN at CaleProcure.CA.GOV

Questions?
Email: OSDSHELP@DGS.CA.GOV
Call OSDS Main Number: 916-375-4940
707 3rd Street, 1-400, West Sacramento, CA 95605

APPENDIX E

LABORATORY REPORTS – SOIL SAMPLES

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: November 3, 2021

Mr. Robert Hansen
Leighton & Associates, Inc.
10532 Acacia, Suite B-6
Rancho Cucamonga, CA 91730
Tel:(909)484-2205 E-Mail: RHansen@LeightonGroup.com

Project: **Meridian West Upper Plateau**
Project No.: **13226.003**
Lab I.D.: **211027-11 through -37**

Dear Mr. Hansen:

The **analytical results** for the soil samples, received by our lab on October 27, 2021, are attached. The samples were received chilled, intact and with chain of custody record.

Trace concentrations between the MDL and the PQL have been reported with a "J" flag indicator.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manger

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

TOTAL PETROLEUM HYDROCARBONS (TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C10-C28	C28-C35	DF
SP1-0.5	211027-11	ND	ND	ND	1
SP1-2.5	211027-12	ND	ND	ND	1
SP2-0.5	211027-14	ND	ND	ND	1
SP2-5	211027-16	ND	ND	ND	1
SP3-0.5	211027-17	ND	ND	ND	1
SP3-5	211027-19	ND	ND	ND	1
SP4-0.5	211027-20	ND	18.7 *	ND	1
SP4-2.5	211027-21	ND	ND	ND	1
SP5-0.5	211027-23	ND	ND	ND	1
SP5-2.5	211027-24	ND	ND	ND	1
SP9-0.5	211027-26	ND	ND	ND	1
SP9-2.5	211027-27	ND	ND	ND	1
SP10-0.5	211027-29	ND	ND	ND	1
SP10-2.5	211027-30	ND	ND	ND	1
SP11-0.5	211027-32	ND	ND	ND	1
SP11-2.5	211027-33	ND	ND	ND	1
SP12-0.5	211027-35	ND	ND	ND	1
SP12-2.5	211027-36	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

COMMENTS:
C4-C10 = GASOLINE RANGE
C10-C28 = DIESEL RANGE
C28-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = PEAKS IN DIESEL RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF DIESEL STANDARD

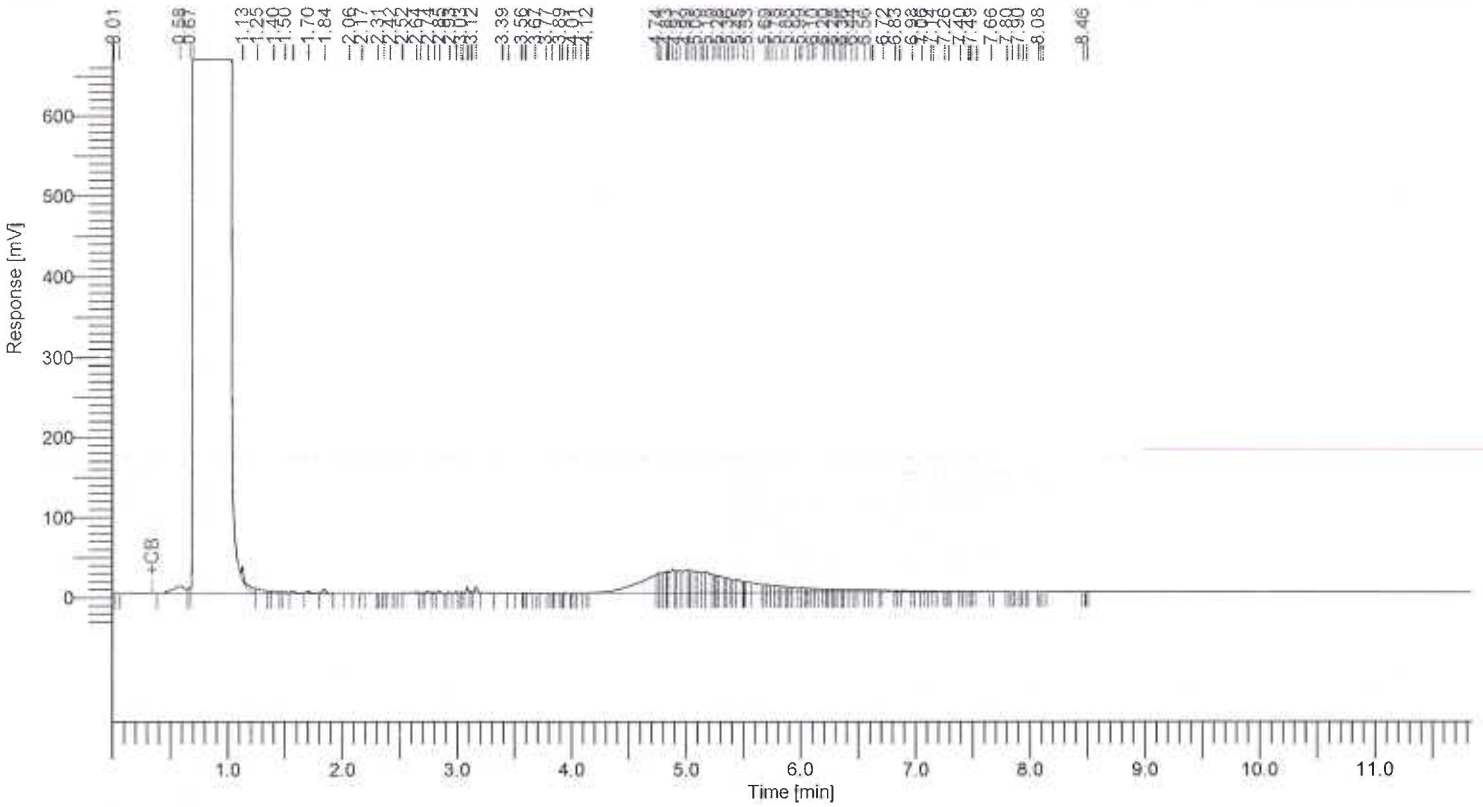
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : 6.3.4.0700
Sample Name : 211027-20 20/2
Instrument Name : GC-I
Rack/Vial : 0/13
Sample Amount : 1.000000
Cycle : 16

SP4-0.5

Date : 10/28/2021 4:01:18 PM
Data Acquisition Time : 10/28/2021 12:17:45 PM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2021\I2110\I211028\A016.rst
Sequence File : E:\GC DATA\GC-I\I2021\I2110\I211028\I211028.seq



8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4~C10	133115	30.9
C10~C28	1636994	187.4
C28~C35	53098	96.9
	1823207	315.3

J

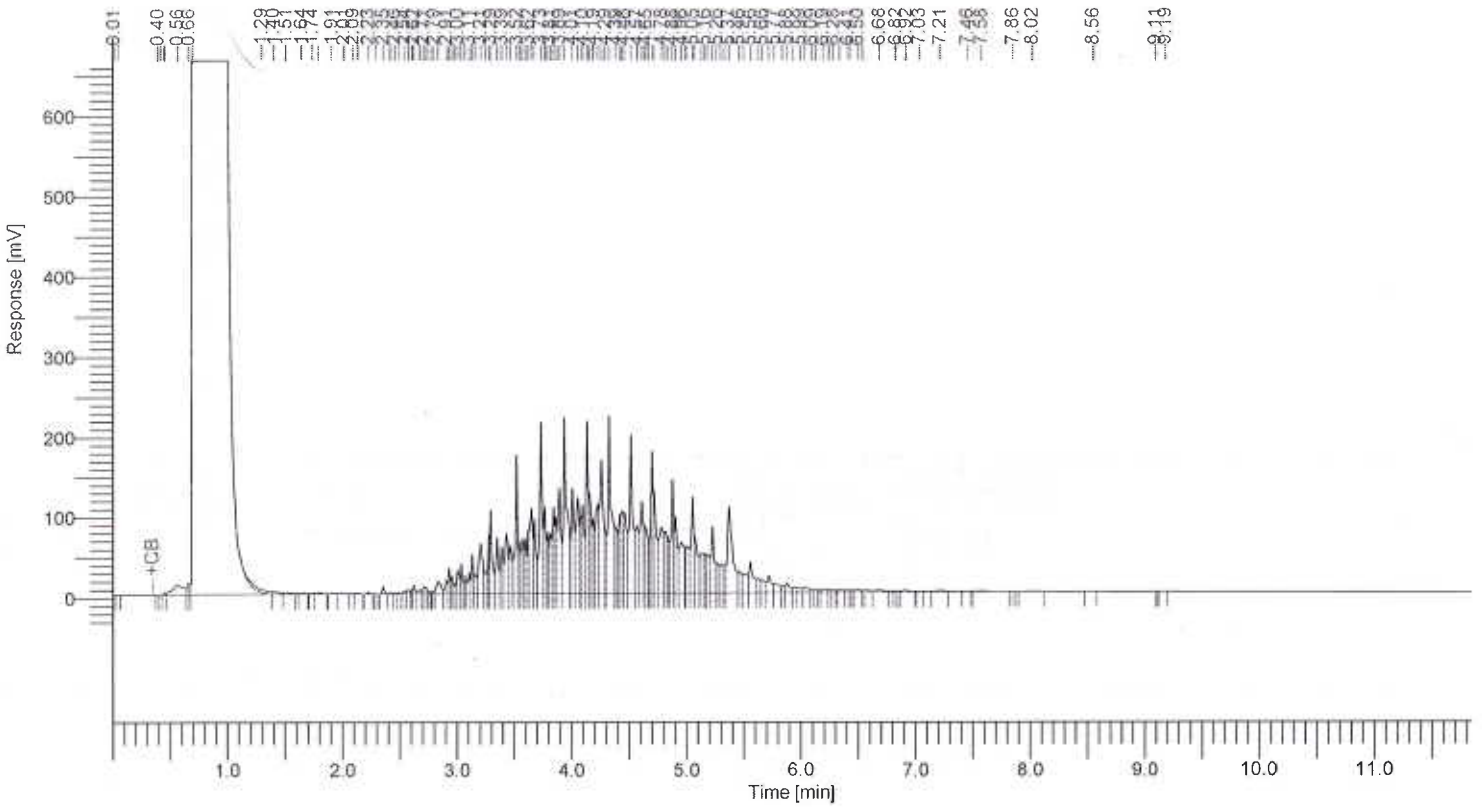
187
9.7 & Below
J

Software Version : 6.3.4.0200
Sample Name : DIESEL CCV 2000 PPM (GC4049)
Instrument Name : GC-I
Rack/Vial : 0/3
Sample Amount : 1.000000
Cycle : 4

DIESEL STANDARD

Date : 10/28/2021 4:01:07 PM
Data Acquisition Time : 10/28/2021 9:04:22 AM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2021\I2110\I211028\A004.rst
Sequence File : E:\GC DATA\GC-I\I2021\I2110\I211028\I211028.seq



8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C10~C28	10494837	1796.7
	10494837	1796.7

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B QA/QC Report

Date Analyzed: 10/28/2021 **Units:** mg/Kg (ppm)

Matrix: **Soil/Solid/Sludge/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **211027-16 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C10~C28 Range	0.00	200	217	**109%**	214	**107%**	**1%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C10~C28 Range	200	169	**84%**	**75-125**

Analyzed and Reviewed By: Amy

Final Reviewer: [signature]

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/27/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP1-0.5** LAB I.D.: 211027-11

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	3.89	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	231	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	44.9	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	13.7	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	22.0	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	6.66	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.031	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	10.2	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	7.17	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	59.9	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	127	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/27/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP2-0.5** LAB I.D.: 211027-14

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	0.800	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	280	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	34.7	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	12.2	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	16.0	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	0.699	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.018	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	43.6	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	43.8	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/27/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP2-2.5** LAB I.D.: 211027-15

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	0.591	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	271	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	31.3	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	10.5	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	10.7	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.021	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	39.9	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	39.5	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/27/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP3-0.5** LAB I.D.: 211027-17

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	0.791	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	255	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	47.1	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	12.2	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	29.6	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.022	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	59.4	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	48.0	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/27/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP4-0.5** LAB I.D.: 211027-20

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.86	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	181	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	32.9	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	10.1	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	12.3	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	2.76	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.013	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	3.32	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	41.7	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	38.6	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/27/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP4-2.5** LAB I.D.: 211027-21

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.89	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	185	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	35.0	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	11.8	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	11.9	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	2.52	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.020	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	2.18J	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	46.7	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	39.2	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/27/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP5-0.5** LAB I.D.: 211027-23

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	0.974	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	240	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	37.0	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	11.5	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	16.4	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	4.13	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.026	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	3.14	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	48.6	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	48.7	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/27/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP9-0.5** LAB I.D.: 211027-26

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	0.534	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	369	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	31.7	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	11.0	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	10.5	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	0.491J	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.015	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	44.7	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	41.1	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis required, please call to discuss (if marked)
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/27/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP10-0.5** LAB I.D.: 211027-29

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	0.831	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	315	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	35.7	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	13.0	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	10.4	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.023	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	49.1	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	44.8	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis required, please call to discuss (if marked)
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/27/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP11-0.5** LAB I.D.: 211027-32

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.48	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	159	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	32.8	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	10.4	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	13.7	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	4.12	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.020	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	41.3	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	41.9	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/27/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP12-0.5** LAB I.D.: 211027-35

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.92	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	158	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	34.3	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	9.85	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	11.2	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	3.89	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.023	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	2.68	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	43.0	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	41.9	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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METHOD BLANK REPORT

CUSTOMER: **Leighton & Associates, Inc.**
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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/27/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

METHOD BLANK FOR LAB I.D.:
210826-11, -14, -15, -17, -20, -21, -23, -26, -29, -32, -35

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	ND	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	1	500	5.0	7196A
Cobalt(Co)	ND	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	ND	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	ND	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

Metals Analysis Date : 10/28/2021
Mercury Analysis Date : 10/27/2021

Unit : mg/Kg(ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS 43.4	% Rec MS	MSD	% Rec MSD	% RPD
Antimony (Sb)	211027-20	50.0	100	PASS	0	50	46.0	92%	46.3	93%	1%
Arsenic (As)	211027-20	50.0	97	PASS	1.86	50	45.6	87%	45.6	87%	0%
Barium (Ba)	211027-20	50.0	107	PASS	181	50	177	8%*	176	10%*	2%
Beryllium (Be)	211027-20	50.0	108	PASS	0	50	46.7	93%	46.8	94%	0%
Cadmium (Cd)	211027-20	50.0	106	PASS	0	50	43.5	87%	43.7	87%	0%
Chromium (Cr)	211027-20	50.0	108	PASS	32.9	50	69.5	73%*	69.2	73%*	1%
Cobalt (Co)	211027-20	50.0	102	PASS	10.1	50	47.8	75%	47.9	76%	0%
Copper (Cu)	211027-20	50.0	106	PASS	12.3	50	56.6	89%	56.8	89%	0%
Lead (Pb)	211027-20	50.0	101	PASS	2.76	50	38.0	70%	38.2	71%	1%
Mercury (Hg)	211027-38	0.125	92	PASS	0	0.125	0.106	85%	0.102	82%	4%
Molybdenum(Mo)	211027-20	50.0	100	PASS	0	50	42.5	85%	42.7	85%	0%
Nickel (Ni)	211027-20	50.0	105	PASS	3.32	50	49.1	92%	49.3	92%	0%
Selenium (Se)	211027-20	50.0	99	PASS	0	50	46.3	93%	46.3	93%	0%
Silver (Ag)	211027-20	5.0	105	PASS	0	5.0	4.43	89%	4.48	90%	1%
Thallium (Tl)	211027-20	50.0	102	PASS	0	50	34.3	69%*	38.1	76%	10%
Vanadium (V)	211027-20	50.0	102	PASS	41.7	50	80.6	78%	80.3	77%	1%
Zinc (Zn)	211027-20	50.0	102	PASS	38.6	50	79.5	82%	79.5	82%	0%

*=Fail due to matrix interference
Note:LCS is in control therefore results are in control

ANALYST: _____

FINAL REVIEWER: CR

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP1-0.5** LAB I.D.: 211027-11

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED:10/27/21
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REPORT TO:Mr. ROBERT HANSEN DATE REPORTED:11/03/21

SAMPLE I.D.: **SP1-0.5** LAB I.D.: 211027-11

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP1-2.5** LAB I.D.: 211027-12

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/28/21
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REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP1-2.5** LAB I.D.: 211027-12

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/28/21
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REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP2-0.5** LAB I.D.: 211027-14

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

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DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/28/21
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REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP2-0.5** LAB I.D.: 211027-14

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
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ACTUAL DETECTION LIMIT = PQL X DF
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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
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REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP4-0.5** LAB I.D.: 211027-20

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED:10/27/21
MATRIX:SOIL DATE EXTRACTED:10/28/21
SAMPLING DATE:10/26/21 DATE ANALYZED:10/28/21
REPORT TO:Mr. ROBERT HANSEN DATE REPORTED:11/03/21

SAMPLE I.D.: **SP4-0.5** LAB I.D.: 211027-20

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/28/21
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REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP4-2.5** LAB I.D.: 211027-21

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP4-2.5** LAB I.D.: 211027-21

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP10-0.5** LAB I.D.: 211027-29

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP10-0.5** LAB I.D.: 211027-29

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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REPORT TO:Mr. ROBERT HANSEN DATE REPORTED:11/03/21

SAMPLE I.D.: **SP10-2.5** LAB I.D.: 211027-30

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED:10/27/21
MATRIX:SOIL DATE EXTRACTED:10/28/21
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REPORT TO:Mr. ROBERT HANSEN DATE REPORTED:11/03/21

SAMPLE I.D.: **SP10-2.5** LAB I.D.: 211027-30

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP12-0.5** LAB I.D.: 211027-35

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED:10/27/21
MATRIX:SOIL DATE EXTRACTED:10/28/21
SAMPLING DATE:10/26/21 DATE ANALYZED:10/28/21
REPORT TO:Mr. ROBERT HANSEN DATE REPORTED:11/03/21

SAMPLE I.D.: **SP12-0.5** LAB I.D.: 211027-35

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP12-2.5** LAB I.D.: 211027-36

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP12-2.5** LAB I.D.: 211027-36

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Leighton & Associates, Inc.**
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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

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SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

METHOD BLANK FOR LAB I.D.:
211027-11, -12, -14, -20, -21, -29, -30, -38, -39

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
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Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
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4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
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Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

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METHOD BLANK REPORT

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
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REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

METHOD BLANK FOR LAB I.D.:
211027-11, -12, -14, -20, -21, -29, -30, -38, -39

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
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8270C QA/QC Report

Matrix: **Soil/Solid/Sludge/Oil** Unit: mg/Kg (PPM)

Date Analyzed: 10/28/2021

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **211027-36 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
Phenol	0.0	2.00	1.11	**56%**	1.12	**56%**	**1%**	50-150	0-20
Pyrene	0.0	2.00	2.09	**105%**	2.16	**108%**	**3%**	50-150	0-20

Laboratory Control Spike (LCS):

Analyte	spk conc	LCS	% RC	ACP %RC
Phenol	2.00	1.68	**84%**	75-125
1,4-Dichlorobenzene	2.00	1.92	**96%**	75-125
2,4-Dichlorophenol	2.00	1.98	**99%**	75-125
Hexachlorobutadiene	2.00	2.09	**104%**	75-125
4-Chloro-3-methylphenol	2.00	1.85	**93%**	75-125
Fluoranthene	2.00	2.00	**100%**	75-125

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**MB**	**211027-11**	**211027-12**	**211027-14**	**211027-20**	**211027-21**	**211027-29**
2-Fluorophenol	40	25-121	93%	58%	76%	69%	78%	67%	64%
Phenol-d5	40	24-113	87%	53%	65%	66%	73%	63%	61%
Nitrobenzene-d5	40	23-120	94%	61%	70%	73%	79%	68%	66%
2-Fluorobiphenyl	40	30-115	108%	82%	85%	91%	95%	84%	80%
2,4,6-Tribromophenol	40	19-122	73%	41%	49%	49%	55%	48%	45%
Terphenyl-d14	40	18-137	131%	97%	104%	112%	118%	105%	98%

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**211027-30**	**211027-35**	**211027-36**				
2-Fluorophenol	40	25-121	80%	68%	84%				
Phenol-d5	40	24-113	75%	64%	70%				
Nitrobenzene-d5	40	23-120	80%	71%	78%				
2-Fluorobiphenyl	40	30-115	97%	90%	92%				
2,4,6-Tribromophenol	40	19-122	48%	48%	54%				
Terphenyl-d14	40	18-137	114%	105%	108%				

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
2-Fluorophenol	40	25-121							
Phenol-d5	40	24-113							
Nitrobenzene-d5	40	23-120							
2-Fluorobiphenyl	40	30-115							
2,4,6-Tribromophenol	40	19-122							
Terphenyl-d14	40	18-137							

** = Surrogate fail due to matrix interference*

Note: LCS, MS, MSD are in control therefore results are in control.

Analyzed and Reviewed By: _____

Final Reviewer: _____

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LABORATORY REPORT

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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/27&28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP1-0.5** LAB I.D.: 211027-11

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	0.0007J	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1
PCB-1016	ND	0.010	0.0050	1
PCB-1221	ND	0.010	0.0050	1
PCB-1232	ND	0.010	0.0050	1
PCB-1242	ND	0.010	0.0050	1
PCB-1248	ND	0.010	0.0050	1
PCB-1254	ND	0.010	0.0050	1
PCB-1260	ND	0.010	0.0050	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit, or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/27&28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP1-2.5** LAB I.D.: 211027-12

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1
PCB-1016	ND	0.010	0.0050	1
PCB-1221	ND	0.010	0.0050	1
PCB-1232	ND	0.010	0.0050	1
PCB-1242	ND	0.010	0.0050	1
PCB-1248	ND	0.010	0.0050	1
PCB-1254	ND	0.010	0.0050	1
PCB-1260	ND	0.010	0.0050	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit/or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/27&28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP3-0.5** LAB I.D.: 211027-17

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1
PCB-1016	ND	0.010	0.0050	1
PCB-1221	ND	0.010	0.0050	1
PCB-1232	ND	0.010	0.0050	1
PCB-1242	ND	0.010	0.0050	1
PCB-1248	ND	0.010	0.0050	1
PCB-1254	ND	0.010	0.0050	1
PCB-1260	ND	0.010	0.0050	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/27&28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP3-2.5** LAB I.D.: 211027-18

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1
PCB-1016	ND	0.010	0.0050	1
PCB-1221	ND	0.010	0.0050	1
PCB-1232	ND	0.010	0.0050	1
PCB-1242	ND	0.010	0.0050	1
PCB-1248	ND	0.010	0.0050	1
PCB-1254	ND	0.010	0.0050	1
PCB-1260	ND	0.010	0.0050	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/27&28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP5-0.5** LAB I.D.: 211027-23

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	0.0008J	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1
PCB-1016	ND	0.010	0.0050	1
PCB-1221	ND	0.010	0.0050	1
PCB-1232	ND	0.010	0.0050	1
PCB-1242	ND	0.010	0.0050	1
PCB-1248	ND	0.010	0.0050	1
PCB-1254	ND	0.010	0.0050	1
PCB-1260	ND	0.010	0.0050	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/27&28/21
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REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP5-2.5** LAB I.D.: 211027-24

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	0.0006J	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1
PCB-1016	ND	0.010	0.0050	1
PCB-1221	ND	0.010	0.0050	1
PCB-1232	ND	0.010	0.0050	1
PCB-1242	ND	0.010	0.0050	1
PCB-1248	ND	0.010	0.0050	1
PCB-1254	ND	0.010	0.0050	1
PCB-1260	ND	0.010	0.0050	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/27&28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP9-0.5** LAB I.D.: 211027-26

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1
PCB-1016	ND	0.010	0.0050	1
PCB-1221	ND	0.010	0.0050	1
PCB-1232	ND	0.010	0.0050	1
PCB-1242	ND	0.010	0.0050	1
PCB-1248	ND	0.010	0.0050	1
PCB-1254	ND	0.010	0.0050	1
PCB-1260	ND	0.010	0.0050	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau**
PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL
DATE EXTRACTED: 10/27&28/21
SAMPLING DATE: 10/26/21
DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN
DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP9-2.5**
LAB I.D.: 211027-27

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1
PCB-1016	ND	0.010	0.0050	1
PCB-1221	ND	0.010	0.0050	1
PCB-1232	ND	0.010	0.0050	1
PCB-1242	ND	0.010	0.0050	1
PCB-1248	ND	0.010	0.0050	1
PCB-1254	ND	0.010	0.0050	1
PCB-1260	ND	0.010	0.0050	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau**
PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL
DATE EXTRACTED: 10/27/21
SAMPLING DATE: 10/26/21
DATE ANALYZED: 10/27/21
REPORT TO: Mr. ROBERT HANSEN
DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP12-0.5**
LAB I.D.: 211027-35

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit, or non-detected

Data Reviewed and Approved by: _____
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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
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REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP12-2.5** LAB I.D.: 211027-36

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP11-0.5** LAB I.D.: 211027-32

PCBs Analysis
Method: EPA 8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
PCB-1016	ND	0.010	0.0050	1
PCB-1221	ND	0.010	0.0050	1
PCB-1232	ND	0.010	0.0050	1
PCB-1242	ND	0.010	0.0050	1
PCB-1248	ND	0.010	0.0050	1
PCB-1254	ND	0.010	0.0050	1
PCB-1260	ND	0.010	0.0050	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

SAMPLE I.D.: **SP11-2.5** LAB I.D.: 211027-33

PCBs Analysis
Method: EPA 8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
PCB-1016	ND	0.010	0.0050	1
PCB-1221	ND	0.010	0.0050	1
PCB-1232	ND	0.010	0.0050	1
PCB-1242	ND	0.010	0.0050	1
PCB-1248	ND	0.010	0.0050	1
PCB-1254	ND	0.010	0.0050	1
PCB-1260	ND	0.010	0.0050	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/27/21
MATRIX: SOIL DATE EXTRACTED: 10/27&28/21
SAMPLING DATE: 10/26/21 DATE ANALYZED: 10/27&28/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/03/21

METHOD BLANK FOR LAB I.D.:
211027-11, -12, -17, -18, -23, -24, -26, -27, -32, -33, -35, -36

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1
PCB-1016	ND	0.010	0.0050	1
PCB-1221	ND	0.010	0.0050	1
PCB-1232	ND	0.010	0.0050	1
PCB-1242	ND	0.010	0.0050	1
PCB-1248	ND	0.010	0.0050	1
PCB-1254	ND	0.010	0.0050	1
PCB-1260	ND	0.010	0.0050	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8081A QA/QC Report

Matrix: **Soil/Solid/Liquid(Oil)** Date Analyzed: **10/27/2021**

Unit: **mg/Kg (ppm)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **211027-12 MS/MSD**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.00500	0.00560	**112%**	0.00574	**115%**	**2%**	**0-20%**	**70-130**
Aldrin	0.000	0.00500	0.00577	**115%**	0.00593	**119%**	**3%**	**0-20%**	**70-130**
4,4-DDE	0.000	0.00500	0.00358	**72%**	0.00364	**73%**	**2%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.00500	0.00593	**119%**	**75-125**
Aldrin	0.00500	0.00614	**123%**	**75-125**
4,4-DDE	0.00500	0.00401	**80%**	**75-125**
Dieldrin	0.00500	0.00564	**113%**	**75-125**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	211027-11	211027-12	211027-17	211027-18	211027-23	211027-24
Tetra-chloro-meta-xylene	50-150	103%	103%	108%	103%	103%	107%	106%
Decachlorobiphenyl	50-150	116%	114%	123%	119%	117%	94%	124%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		211027-26	211027-27	211027-35	211027-36			
Tetra-chloro-meta-xylene	50-150	101%	100%	103%	103%			
Decachlorobiphenyl	50-150	119%	114%	117%	116%			

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tetra-chloro-meta-xylene	50-150							
Decachlorobiphenyl	50-150							

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

* = *Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: Amy

Final Reviewer: JP

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **10/28/2021**

Unit: mg/Kg(PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **211028-LCS 1/2**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.100	**100%**	0.103	**103%**	**2%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.109	**109%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	211027-11	211027-12	211027-17	211027-18	211027-23	211027-24
Tetra-chloro-meta-xylene	50-150	123%	121%	123%	122%	119%	119%	119%
Decachlorobiphenyl	50-150	121%	137%	131%	119%	115%	143%	137%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		211027-26	211027-27	211027-32	211027-33			
Tetra-chloro-meta-xylene	50-150	124%	123%	124%	119%			
Decachlorobiphenyl	50-150	135%	143%	125%	128%			

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tetra-chloro-meta-xylene	50-150							
Decachlorobiphenyl	50-150							

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

* = *Surrogate fail due to matrix interference (If Marked)*

Note: ***LCS, MS, MSD are in control therefore results are in control.***

Analyzed and Reviewed By: Amy

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
(0) 1 Week (Standard) [circled]
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH Full Scan 8015M	Title 22 6010B/7471A	PCBs 8082	SVOCs 8270C	OCPs 8081A				HOLD	COMMENTS
SP1-0.5	211027-11	10/26/21	0954	Soil	2-4oz		Ice	X	X	X	X	X					
SP1-2.5	-12	↓	1001	↓	↓	[illegible]	↓	X		X	X	X					
~~SP1-5~~ SP1-4	-13		1008													X	
SP2-0.5	-14		0930					X	X		X						
SP2-2.5	-15		0935						X								
SP2-5	-16		0942					X									
SP3-0.5	-17		0903					X	X	X		X					
SP3-2.5	-18		0909							X		X					
SP3-5	-19		0916					X									
SP4-0.5	-20		0827					X	X		X						
SP4-2.5	-21		0835					X	X		X						
SP4-3.5	-22		0842													X	
SP5-0.5	-23		1129					X	X	X		X					
SP5-2.5	-24		1133					X		X		X					
~~SP5-5.0~~ SP5-5	-25	↓	1139	↓	↓		↓									X	

Analysis Required

Company Name: Leighton and Associates
Address: 10532 Acacia St Ste B6
City/State/Zip: Rancho Cucamonga, CA 91730

Project Contact: Rob Hansen
Tel: (909) 527-8782
Fax/Email: rhansen@leightongroup.com

Sampler's Signature: [signature]
Project Name/ID: Meridian West Upper Plateau 13226.003

Relinquished by	Received by	Date & Time
[signature]	[signature]	10/27/21 0855
[signature]	[signature]	10/27/21 0945

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 10/26/2021

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 Week (Standard) (circled)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH Full scan 8015M	T.22 (?) 6010B/7471A	PCBs 8082	SVOCs 8270C	OCPs 8081A				HOLD	COMMENTS
SP9-0.5	211027-26	10/26/21	1201	soil	2-4oz		ice	X	X	X		X					
SP9-2.5	-27	↓	1206	↓	↓		↓	X		X		X					
~~SP9-5.0~~ SP9-5	-28	↓	1210	↓	↓		↓									X	
SP10-0.5	-29	↓	1223	↓	↓		↓	X	X		X						
SP10-2.5	-30	↓	1227	↓	↓		↓	X			X						
SP10-5	-31	↓	1232	↓	↓		↓									X	
SP11-0.5	-32	↓	1249	↓	↓		↓	X	X	X							
SP11-2.5	-33	↓	1253	↓	↓		↓	X		X							
SP11-5	-34	↓	1258	↓	↓		↓										
SP12-0.5	-35	↓	1318	↓	↓		↓	X	X		X	X					
SP12-2.5	-36	↓	1322	↓	↓		↓	X			X	X					
SP12-5	-37	↓	1327	↓	↓		↓									X	

Analysis Required

Company Name: Leighton and Associates
Address: 10532 Acacia St Ste B6
City/State/Zip: Rancho Cucamonga, CA 91730
Project Contact: Rob Hansen
Tel: (909) 527-8282
Fax/Email: rhansen@leightongroup.com
Sampler's Signature: [signature]
Project Name/ID: Meridian West Campus upper plateau 13226.003

Relinquished by: [signature]	Received by: [signature]	Date & Time: 10/27/21 0855 (?)
Relinquished by: [signature]	Received by: [signature]	Date & Time: 10/27/21 0945
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 10/26/2021

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: November 4, 2021

Mr. Robert Hansen
Leighton & Associates, Inc.
10532 Acacia, Suite B-6
Rancho Cucamonga, CA 91730
Tel:(909)484-2205 E-Mail: RHansen@LeightonGroup.com

Project: **Meridian West Upper Plateau**
Project No.: **13226.003**
Lab I.D.: **211028-2 through -39**

Dear Mr. Hansen:

The **analytical results** for the soil samples, received by our lab on October 28, 2021, are attached. The samples were received chilled, intact and with chain of custody record.

Trace concentrations between the MDL and the PQL have been reported with a "J" flag indicator.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manger

Andy Wong
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Leighton & Associates, Inc.
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: Meridian West Upper Plateau
PROJECT No.: 13226.003
DATE RECEIVED: 10/28/21
MATRIX: SOIL
DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21
DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN
DATE REPORTED: 11/04/21

TOTAL PETROLEUM HYDROCARBONS (TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C10-C28	C28-C35	DF
DG1	211028-2	ND	ND	ND	1
DG2	211028-3	ND	ND	ND	1
DG3	211028-4	ND	ND	ND	1
SP6-0.5	211028-18	ND	ND	ND	1
SP6-2.5	211028-19	ND	ND	ND	1
SP7-0.5	211028-21	ND	ND	ND	1
SP7-2.5	211028-22	ND	ND	ND	1
SP8-0.5	211028-24	ND	ND	ND	1
SP8-2.5	211028-25	ND	ND	ND	1
SP13-0.5	211028-27	ND	ND	ND	1
SP13-2.5	211028-28	ND	ND	ND	1
SP14-0.5	211028-30	ND	ND	ND	1
SP14-2.5	211028-31	ND	ND	ND	1
SP15-0.5	211028-33	ND	ND	ND	1
SP15-2.5	211028-34	ND	ND	ND	1
SP16-0.5	211028-35	ND	ND	ND	1
SP16-2.5	211028-36	ND	ND	ND	1
SP17-0.5	211028-38	ND	ND	ND	1
SP17-2.5	211028-39	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	PQL	10	10	50	

COMMENTS:
C4-C10 = GASOLINE RANGE
C10-C28 = DIESEL RANGE
C28-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B QA/QC Report

Date Analyzed: 11/1/2021 **Units:** mg/Kg (ppm)

Matrix: **Soil/Solid/Sludge/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 211028-3 MS/MSD

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C10~C28 Range	0.00	200	220	**110%**	224	**112%**	**2%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C10~C28 Range	200	180	**90%**	**75-125**

Analyzed and Reviewed By: Amy

Final Reviewer: ED

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **DG1** LAB I.D.: 211028-2

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	286	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	25.5	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	8.58	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	10.1	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.019	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	34.5	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	36.5	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **DG2** LAB I.D.: 211028-3

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	233	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	27.9	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	8.67	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	11.4	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	0.536	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.023	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	36.3	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	36.1	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **DG3** LAB I.D.: 211028-4

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	335	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	34.3	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	11.6	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	11.5	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.017	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	45.4	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	49.0	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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CUSTOMER: **Leighton & Associates, Inc.**
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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29&11/04/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT1-0.5** LAB I.D.: 211028-5

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.21	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	268	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	35.5	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	ND	0.2	0.0156	1	500	5.0	7196A
Cobalt(Co)	12.4	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	21.3	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	6.25	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.034	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	44.5	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	90.4	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29&11/04/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT1-2.5** LAB I.D.: 211028-6

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.36	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	251	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	26.4	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	ND	0.2	0.0156	1	500	5.0	7196A
Cobalt(Co)	10.4	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	25.7	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	0.558	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.018	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	36.7	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	37.6	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29&11/04/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT2-0.5** LAB I.D.: 211028-8

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.53	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	247	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	4.37	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	43.4	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	ND	0.2	0.0156	1	500	5.0	7196A
Cobalt(Co)	10.5	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	38.9	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	71.4 *	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.059	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	3.15	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	3.55	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	41.3	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	538	0.5	0.131	10	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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** = Additional Analysis required, please call to discuss (if marked)
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29&11/04/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT2-2.0** LAB I.D.: 211028-9

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.26	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	323	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	33.6	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	ND	0.2	0.0156	1	500	5.0	7196A
Cobalt(Co)	12.3	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	16.1	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	5.43	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.022	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	53.3	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	69.3	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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** = Additional Analysis required, please call to discuss (if marked)
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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29&11/04/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT3-0.5** LAB I.D.: 211028-10

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.28	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	247	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	31.3	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	ND	0.2	0.0156	1	500	5.0	7196A
Cobalt(Co)	11.1	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	15.2	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	9.75	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.053	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	42.9	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	112	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29&11/04/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT3-2.5** LAB I.D.: 211028-11

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.02	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	315	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	33.7	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	ND	0.2	0.0156	1	500	5.0	7196A
Cobalt(Co)	13.2	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	13.7	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	0.461J	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.031	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	47.4	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	45.5	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29&11/04/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT4-0.5** LAB I.D.: 211028-12

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony (Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic (As)	1.32	0.5	0.250	1	500	5.0	6010B
Barium (Ba)	236	5.0	0.143	1	10,000	100	6010B
Beryllium (Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium (Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total (Cr)	27.7	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	ND	0.2	0.0156	1	500	5.0	7196A
Cobalt (Co)	9.99	1.0	0.156	1	8,000	80	6010B
Copper (Cu)	14.3	1.0	0.203	1	2,500	25	6010B
Lead (Pb)	2.04	0.5	0.192	1	1,000	5.0	6010B
Mercury (Hg)	0.022	0.01	0.0062	1	20	0.2	7471A
Molybdenum (Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel (Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium (Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver (Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium (Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium (V)	39.2	5.0	0.171	1	2,400	24	6010B
Zinc (Zn)	49.2	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29&11/04/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT4-2.5** LAB I.D.: 211028-13

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.03	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	270	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	31.1	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	ND	0.2	0.0156	1	500	5.0	7196A
Cobalt(Co)	11.0	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	12.4	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.017	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	43.1	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	39.2	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29&11/04/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT5-0.5** LAB I.D.: 211028-15

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.18	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	267	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	30.0	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	ND	0.2	0.0156	1	500	5.0	7196A
Cobalt(Co)	11.1	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	14.8	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	1.52	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.015	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	42.6	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	48.8	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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Tel:(909)484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX:SOIL DATE RECEIVED:10/28/21
SAMPLING DATE:10/27/21 DATE ANALYZED:10/29/21
REPORT TO:Mr. ROBERT HANSEN DATE REPORTED:11/04/21

SAMPLE I.D.: **SP6-0.5** LAB I.D.: 211028-18

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.55	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	152	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	28.4	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	8.71	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	30.4	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	1.11	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.031	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	2.27J	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	1.67	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	37.0	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	28.3	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP6-2.5** LAB I.D.: 211028-19

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.63	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	210	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	34.5	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	10.2	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	34.8	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	0.789	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.023	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	43.0	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	36.6	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP7-0.5** LAB I.D.: 211028-21

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony (Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic (As)	1.44	0.5	0.250	1	500	5.0	6010B
Barium (Ba)	247	5.0	0.143	1	10,000	100	6010B
Beryllium (Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium (Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total (Cr)	37.4	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt (Co)	12.9	1.0	0.156	1	8,000	80	6010B
Copper (Cu)	12.4	1.0	0.203	1	2,500	25	6010B
Lead (Pb)	1.75	0.5	0.192	1	1,000	5.0	6010B
Mercury (Hg)	0.020	0.01	0.0062	1	20	0.2	7471A
Molybdenum (Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel (Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium (Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver (Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium (Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium (V)	50.5	5.0	0.171	1	2,400	24	6010B
Zinc (Zn)	49.5	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP7-2.5** LAB I.D.: 211028-22

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	0.512	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	239	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	34.3	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	10.7	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	7.61	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.022	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	3.20	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	49.4	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	53.5	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP8-0.5** LAB I.D.: 211028-24

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony (Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic (As)	1.63	0.5	0.250	1	500	5.0	6010B
Barium (Ba)	155	5.0	0.143	1	10,000	100	6010B
Beryllium (Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium (Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total (Cr)	29.8	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt (Co)	9.45	1.0	0.156	1	8,000	80	6010B
Copper (Cu)	11.8	1.0	0.203	1	2,500	25	6010B
Lead (Pb)	1.95	0.5	0.192	1	1,000	5.0	6010B
Mercury (Hg)	0.018	0.01	0.0062	1	20	0.2	7471A
Molybdenum (Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel (Ni)	3.03	2.5	0.165	1	2,000	20	6010B
Selenium (Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver (Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium (Tl)	4.79	1.0	0.432	1	700	7.0	6010B
Vanadium (V)	39.1	5.0	0.171	1	2,400	24	6010B
Zinc (Zn)	35.6	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP8-2.5** LAB I.D.: 211028-25

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.22	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	200	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	31.5	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	8.70	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	12.9	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	0.813	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.025	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	3.49	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	40.9	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	35.1	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP13-0.5** LAB I.D.: 211028-27

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.09	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	209	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	29.7	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	9.31	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	11.3	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	1.72	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.018	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	37.6	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	41.0	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP13-2.5** LAB I.D.: 211028-28

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.52	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	160	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	30.3	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	9.14	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	11.7	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	2.28	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.026	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	2.95	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	4.33	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	38.6	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	40.1	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29&11/04/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

METHOD BLANK FOR LAB I.D.: 211028-2 THROUGH -6, -8 THROUGH -13, -15, -18, -19, -21, -22, -24, -25, -27, -28

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony (Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic (As)	ND	0.5	0.250	1	500	5.0	6010B
Barium (Ba)	ND	5.0	0.143	1	10,000	100	6010B
Beryllium (Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium (Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total (Cr)	ND	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	ND	0.2	0.0156	1	500	5.0	7196A
Cobalt (Co)	ND	1.0	0.156	1	8,000	80	6010B
Copper (Cu)	ND	1.0	0.203	1	2,500	25	6010B
Lead (Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury (Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum (Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel (Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium (Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver (Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium (Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium (V)	ND	5.0	0.171	1	2,400	24	6010B
Zinc (Zn)	ND	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis required, please call to discuss (if marked)
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

Metals Analysis Date : 10/29/2021
Mercury Analysis Date : 10/29/2021

Unit : mg/Kg(ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Antimony (Sb)	211028-2	50.0	101	PASS	0	50	42.5	85%	42.8	86%	1%
Arsenic (As)	211028-2	50.0	101	PASS	0	50	41.8	84%	42.0	84%	0%
Barium (Ba)	211028-2	50.0	103	PASS	283	50	193	180%*	194	178%*	1%
Beryllium (Be)	211028-2	50.0	105	PASS	0	50	44.3	89%	44.5	89%	0%
Cadmium (Cd)	211028-2	50.0	105	PASS	0	50	44.0	88%	44.0	88%	0%
Chromium (Cr)	211028-2	50.0	101	PASS	25.5	50	68.8	87%	68.9	87%	0%
Cobalt (Co)	211028-2	50.0	99	PASS	8.58	50	46.3	75%	47.9	79%	4%
Copper (Cu)	211028-2	50.0	106	PASS	10.1	50	56.7	93%	56.8	93%	0%
Lead (Pb)	211028-2	50.0	104	PASS	0	50	56.9	114%	57.7	115%	1%
Mercury (Hg)	211029-5	0.125	92	PASS	0	0.125	0.131	104%	0.125	100%	4%
Molybdenum(Mo)	211028-2	50.0	112	PASS	0	50	44.0	88%	42.9	86%	3%
Nickel (Ni)	211028-2	50.0	99	PASS	0	50	47.3	95%	47.9	96%	1%
Selenium (Se)	211028-2	50.0	106	PASS	0	50	41.2	82%	40.7	81%	1%
Silver (Ag)	211028-2	5.0	98	PASS	0	5.0	3.94	79%	3.95	79%	0%
Thallium (Tl)	211028-2	50.0	100	PASS	0	50	55.2	110%	45.8	92%	19%
Vanadium (V)	211028-2	50.0	102	PASS	34.5	50	78.8	89%	79.2	89%	1%
Zinc (Zn)	211028-2	50.0	105	PASS	36.5	50	75.0	77%	75.0	77%	0%

*=Fail due to matrix interference
Note:LCS is in control therefore results are in control

ANALYST: _____

FINAL REVIEWER: _____

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766
Tel (909)590-5905 Fax (909)590-5907

Matrix: SOLID/SLUDGE

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg					0.0%	0-20
Residual Chlorine	mg/Kg					0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm					0.0%	0-20
pH	pH units					0.0%	0-20
TDS	mg/L					0.0%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms					0.0%	0-20
% Moisture	%					0.0%	0-20
BTU	BTU/lb					0.0%	0-20
Salinity	S					0.00%	0-20

%RPD = Relative Percent Difference

Analysis	Units	Date Analyzed	Sample I.D.	Spk Conc	S.R.	ACP %RPD	ACP %RC	MS	MS %RC	MSD	MSD %RC	% RPD
Acidity	mg/Kg					0	80-120					
Ammonia as N	mg/Kg					0-20	80-120					#VALUE!
MBAS	mg/Kg					0-20	80-120					#VALUE!
Chloride	mg/Kg					0-20	80-120					#VALUE!
COD	mg/Kg					0-20	80-120					#VALUE!
Cr VI	mg/Kg	11/4/2021	211028-15	4.0	0.000	0-20	80-120	3.56	89%	3.50	88%	1.5%
Cyanide	mg/Kg					0-20	80-120					#VALUE!
Fluoride	mg/Kg					0-20	80-120					#VALUE!
Nitrate as N	mg/Kg					0-20	80-120					#VALUE!
Nitrite as N	mg/Kg					0-20	80-120					#VALUE!
Oil and Grease	mg/Kg					0-20	80-120					#VALUE!
Phenolics	mg/Kg					0-20	80-120					
Sulfate	mg/Kg					0-20	80-120					#VALUE!
Sulfide	mg/Kg					0-20	80-120					#VALUE!
TRPH	mg/Kg					0-20	80-120					#VALUE!
Sulfide, Reactive	mg/Kg					0-20	80-120					#VALUE!
EPA 1664A	mg/Kg					0-20	80-120					#VALUE!

S.R. = Sample Results **%RC** = Percent Recovery **ACP %RC** = Accepted Percent Recovery

Analyst Signature: WP

Final Reviewer: AP

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP15-0.5** LAB I.D.: 211028-33

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	2.28	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	177	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	35.6	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	10.6	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	12.9	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	2.64	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.034	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	4.46	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	4.30	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	46.7	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	41.8	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP15-2.5** LAB I.D.: 211028-34

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.98	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	192	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	35.5	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	9.76	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	12.5	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	2.36	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.032	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	3.25	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	3.55	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	48.8	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	42.0	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP17-0.5** LAB I.D.: 211028-38

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.43	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	143	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	27.2	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	9.54	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	10.9	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	2.39	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.028	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	2.82	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	35.2	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	36.7	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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** = Additional Analysis required, please call to discuss (if marked)
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-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/28/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP17-2.5** LAB I.D.: 211028-39

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	1.16	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	246	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	34.7	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	8.49	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	14.0	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	1.12	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.028	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	2.04J	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	44.6	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	38.2	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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METHOD BLANK REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX:SOIL DATE RECEIVED:10/28/21
SAMPLING DATE:10/27/21 DATE ANALYZED:10/29/21
REPORT TO:Mr. ROBERT HANSEN DATE REPORTED:11/04/21

METHOD BLANK FOR LAB I.D.: 211028-33, -34, -38, -39

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.5	0.250	1	500	5.0	6010B
Barium(Ba)	ND	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	1	500	5.0	7196A
Cobalt(Co)	ND	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	ND	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	ND	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
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Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

Metals Analysis Date : 10/29/2021

Mercury Analysis Date : 10/29/2021

Unit : mg/Kg(ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	*Sample Result*	Spike Conc.	MS 43.4	% Rec MS	MSD	% Rec MSD	% RPD
Antimony (Sb)	211028-25	50.0	98	*PASS*	0	50	46.0	92%	46.3	93%	1%
Arsenic (As)	211028-25	50.0	102	*PASS*	1.22	50	45.6	89%	45.6	89%	0%
Barium (Ba)	211028-25	50.0	103	*PASS*	200	50	177	8%*	176	10%*	2%
Beryllium (Be)	211028-25	50.0	103	*PASS*	0	50	46.7	93%	46.8	94%	0%
Cadmium (Cd)	211028-25	50.0	105	*PASS*	0	50	43.5	87%	43.7	87%	0%
Chromium (Cr)	211028-25	50.0	100	*PASS*	31.5	50	69.5	73%*	69.2	73%*	1%
Cobalt (Co)	211028-25	50.0	98	*PASS*	8.70	50	47.8	78%	47.9	78%	0%
Copper (Cu)	211028-25	50.0	109	*PASS*	12.9	50	56.6	87%	56.8	88%	0%
Lead (Pb)	211028-25	50.0	100	*PASS*	0.813	50	38.0	74%	38.2	75%	1%
Mercury (Hg)	211028-28	0.125	92	*PASS*	*0.026*	0.125	0.129	83%	0.125	79%	4%
Molybdenum(Mo)	211028-25	50.0	103	*PASS*	0	50	42.5	85%	42.7	85%	0%
Nickel (Ni)	211028-25	50.0	98	*PASS*	0	50	49.1	98%	49.3	99%	0%
Selenium (Se)	211028-25	50.0	103	*PASS*	0	50	46.3	93%	46.3	93%	0%
Silver (Ag)	211028-25	5.0	98	*PASS*	0	5.0	4.43	89%	4.48	90%	1%
Thallium (Tl)	211028-25	50.0	101	*PASS*	3.49	50	34.3	69%*	38.1	69%	10%
Vanadium (V)	211028-25	50.0	102	*PASS*	40.9	50	80.6	79%	80.3	79%	1%
Zinc (Zn)	211028-25	50.0	105	*PASS*	35.1	50	79.5	89%	79.5	89%	0%

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

ANALYST: _____

FINAL REVIEWER: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **DG1** LAB I.D.: 211028-2

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **DG1** LAB I.D.: 211028-2

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **DG2** LAB I.D.: 211028-3

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **DG2** LAB I.D.: 211028-3

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau**

PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
DATE EXTRACTED: 11/01/21
DATE ANALYZED: 11/01/21
DATE REPORTED: 11/04/21

MATRIX: SOIL
SAMPLING DATE: 10/27/21
REPORT TO: Mr. ROBERT HANSEN

SAMPLE I.D.: **DG3**

LAB I.D.: 211028-4

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **DG3** LAB I.D.: 211028-4

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT2-0.5** LAB I.D.: 211028-8

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	0.320J	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	0.581	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT2-0.5** LAB I.D.: 211028-8

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	0.643	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	0.521	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	0.825	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT2-2.0** LAB I.D.: 211028-9

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Leighton & Associates, Inc.
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: Meridian West Upper Plateau

PROJECT No.: 13226.003
DATE RECEIVED: 10/28/21
DATE EXTRACTED: 11/01/21
DATE ANALYZED: 11/01/21
DATE REPORTED: 11/04/21

MATRIX: SOIL
SAMPLING DATE: 10/27/21
REPORT TO: Mr. ROBERT HANSEN

SAMPLE I.D.: CT2-2.0

LAB I.D.: 211028-9

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT4-0.5** LAB I.D.: 211028-12

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	0.260J	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	0.949	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	1.08	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	1.47	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT4-0.5** LAB I.D.: 211028-12

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	2.51	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	2.37	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	2.78	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT4-2.5** LAB I.D.: 211028-13

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **CT4-2.5** LAB I.D.: 211028-13

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP7-0.5** LAB I.D.: 211028-21

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Leighton & Associates, Inc.
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: Meridian West Upper Plateau

PROJECT No.: 13226.003
DATE RECEIVED:10/28/21
DATE EXTRACTED:11/01/21
DATE ANALYZED:11/01/21
DATE REPORTED:11/04/21

MATRIX:SOIL
SAMPLING DATE:10/27/21
REPORT TO:Mr. ROBERT HANSEN

SAMPLE I.D.: SP7-0.5

LAB I.D.: 211028-21

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP7-2.5** LAB I.D.: 211028-22

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP7-2.5** LAB I.D.: 211028-22

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP8-0.5** LAB I.D.: 211028-24

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP8-0.5** LAB I.D.: 211028-24

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP8-2.5** LAB I.D.: 211028-25

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP8-2.5** LAB I.D.: 211028-25

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau**
PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL
DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21
DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN
DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP13-0.5**
LAB I.D.: 211028-27

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
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SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP13-0.5** LAB I.D.: 211028-27

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
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CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
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REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP13-2.5** LAB I.D.: 211028-28

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP13-2.5** LAB I.D.: 211028-28

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP15-0.5** LAB I.D.: 211028-33

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP15-0.5** LAB I.D.: 211028-33

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP15-2.5** LAB I.D.: 211028-34

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP15-2.5** LAB I.D.: 211028-34

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: Leighton & Associates, Inc.
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: Meridian West Upper Plateau
PROJECT No.: 13226.003
DATE RECEIVED:10/28/21
MATRIX:SOIL
DATE EXTRACTED:11/01/21
SAMPLING DATE:10/27/21
DATE ANALYZED:11/02/21
REPORT TO:Mr. ROBERT HANSEN
DATE REPORTED:11/04/21

SAMPLE I.D.: SP17-0.5
LAB I.D.: 211028-38

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	0.640	0.50	0.080	1
Benzo(b)fluoranthene	0.585	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	0.265J	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	0.261J	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	0.853	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP17-0.5** LAB I.D.: 211028-38

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	1.15	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	1.06	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	1.42	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau**

PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
DATE EXTRACTED: 11/01/21
DATE ANALYZED: 11/02/21
DATE REPORTED: 11/04/21

MATRIX: SOIL
SAMPLING DATE: 10/27/21
REPORT TO: Mr. ROBERT HANSEN

SAMPLE I.D.: **SP17-2.5**

LAB I.D.: 211028-39

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP17-2.5** LAB I.D.: 211028-39

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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METHOD BLANK REPORT

CUSTOMER: **Leighton & Associates, Inc.**
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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
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SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

METHOD BLANK FOR LAB I.D.: 211028-2, -3, -4, -8, -9, -12, -13, -21, -22, -24, -25, -27, -28, -33, -34, -38, -39

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	0.387	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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METHOD BLANK REPORT

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SAMPLING DATE: 10/27/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

METHOD BLANK FOR LAB I.D.: 211028-2, -3, -4, -8, -9, -12, -13, -21, -22, -24, -25, -27, -28, -33, -34, -38, -39

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8270C QA/QC Report

Matrix: **Soil/Solid/Sludge/Oil** Unit: mg/Kg (PPM)

Date Analyzed: 11/1-2/21

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **211101-LCS1/2**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
Phenol	0.0	2.00	1.11	**56%**	1.21	**61%**	**9%**	50-150	0-20
Pyrene	0.0	2.00	1.93	**97%**	2.16	**108%**	**11%**	50-150	0-20

Laboratory Control Spike (LCS):

Analyte	spk conc	LCS	% RC	ACP %RC
Phenol	2.00	1.88	**94%**	75-125
1,4-Dichlorobenzene	2.00	2.19	**110%**	75-125
2,4-Dichlorophenol	2.00	2.17	**109%**	75-125
Hexachlorobutadiene	2.00	2.29	**114%**	75-125
4-Chloro-3-methylphenol	2.00	1.98	**99%**	75-125
Fluoranthene	2.00	2.01	**101%**	75-125

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**MB**	**211028-2**	**211028-3**	**211028-4**	**211028-8**	**211028-9**	**211028-12**
2-Fluorophenol	40	25-121	70%	52%	64%	68%	62%	73%	72%
Phenol-d5	40	24-113	63%	49%	60%	6%	57%	67%	67%
Nitrobenzene-d5	40	23-120	68%	55%	67%	71%	66%	74%	74%
2-Fluorobiphenyl	40	30-115	79%	69%	83%	87%	82%	88%	87%
2,4,6-Tribromophenol	40	19-122	51%	37%	43%	44%	51%	57%	64%
Terphenyl-d14	40	18-137	99%	83%	102%	104%	89%	104%	96%

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**211028-13**	**211028-21**	**211028-22**	**211028-24**	**211028-25**	**211028-27**	**211028-28**
2-Fluorophenol	40	25-121	72%	71%	66%	79%	76%	68%	72%
Phenol-d5	40	24-113	67%	65%	60%	73%	71%	63%	67%
Nitrobenzene-d5	40	23-120	72%	72%	68%	83%	80%	71%	76%
2-Fluorobiphenyl	40	30-115	82%	84%	77%	96%	96%	89%	93%
2,4,6-Tribromophenol	40	19-122	61%	59%	51%	57%	57%	52%	56%
Terphenyl-d14	40	18-137	99%	106%	93%	117%	118%	106%	113%

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**211028-33**	**211028-34**	**211028-38**	**211028-39**	**211028-161**	**211028-162**	**211029-4**
2-Fluorophenol	40	25-121	74%	73%	81%	73%	76%	74%	70%
Phenol-d5	40	24-113	68%	64%	74%	68%	70%	69%	68%
Nitrobenzene-d5	40	23-120	76%	77%	84%	78%	76%	74%	74%
2-Fluorobiphenyl	40	30-115	95%	100%	97%	98%	93%	90%	86%
2,4,6-Tribromophenol	40	19-122	52%	51%	56%	56%	63%	58%	64%
Terphenyl-d14	40	18-137	117%	129%	116%	124%	120%	113%	96%

* = *Surrogate fail due to matrix interference*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 10/29/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP6-0.5** LAB I.D.: 211028-18

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP6-2.5** LAB I.D.: 211028-19

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP7-0.5** LAB I.D.: 211028-21

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP7-2.5** LAB I.D.: 211028-22

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 10/29/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP13-0.5** LAB I.D.: 211028-27

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 10/29/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP13-2.5** LAB I.D.: 211028-28

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 10/29/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP15-0.5** LAB I.D.: 211028-33

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 10/29/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP15-2.5** LAB I.D.: 211028-34

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/28/21
MATRIX: SOIL DATE EXTRACTED: 10/29/21
SAMPLING DATE: 10/27/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/04/21

SAMPLE I.D.: **SP17-0.5** LAB I.D.: 211028-38

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
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LABORATORY REPORT

CUSTOMER: Leighton & Associates, Inc.
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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: Meridian West Upper Plateau

PROJECT No.: 13226.003
DATE RECEIVED: 10/28/21
DATE EXTRACTED: 10/29/21
DATE ANALYZED: 10/29/21
DATE REPORTED: 11/04/21

MATRIX: SOIL
SAMPLING DATE: 10/27/21
REPORT TO: Mr. ROBERT HANSEN

SAMPLE I.D.: SP17-2.5

LAB I.D.: 211028-39

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: Leighton & Associates, Inc.
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: Meridian West Upper Plateau

PROJECT No.: 13226.003
DATE RECEIVED: 10/28/21
DATE EXTRACTED: 10/29/21
DATE ANALYZED: 10/29/21
DATE REPORTED: 11/04/21

MATRIX: SOIL
SAMPLING DATE: 10/27/21
REPORT TO: Mr. ROBERT HANSEN

METHOD BLANK FOR LAB I.D.:
211028-18, -19, -21, -22, -27, -28, -33, -34, -38, -39

Organochlorine Pesticides & PCBs Analysis
Method: EPA 8081A/8082
Unit: mg/Kg = Milligram per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Aldrin	ND	0.001	0.0001	1
alpha-BHC	ND	0.001	0.0002	1
beta-BHC	ND	0.001	0.0001	1
gamma-BHC (Lindane)	ND	0.001	0.0001	1
delta-BHC	ND	0.001	0.0002	1
alpha-Chlordane	ND	0.001	0.0002	1
gamma-Chlordane	ND	0.001	0.0001	1
Technical Chlordane	ND	0.005	0.0005	1
4,4'-DDD	ND	0.001	0.0003	1
4,4'-DDE	ND	0.001	0.0003	1
4,4'-DDT	ND	0.001	0.0001	1
Dieldrin	ND	0.001	0.0003	1
Endosulfan I	ND	0.001	0.0002	1
Endosulfan II	ND	0.001	0.0001	1
Endosulfan Sulfate	ND	0.001	0.0001	1
Endrin	ND	0.001	0.0004	1
Endrin Aldehyde	ND	0.001	0.0001	1
Endrin Ketone	ND	0.001	0.0001	1
Heptachlor Epoxide	ND	0.001	0.0003	1
Heptachlor	ND	0.001	0.0001	1
Methoxyclor	ND	0.001	0.0001	1
Toxaphene	ND	0.020	0.0100	1
PCB-1016	ND	0.010	0.0050	1
PCB-1221	ND	0.010	0.0050	1
PCB-1232	ND	0.010	0.0050	1
PCB-1242	ND	0.010	0.0050	1
PCB-1248	ND	0.010	0.0050	1
PCB-1254	ND	0.010	0.0050	1
PCB-1260	ND	0.010	0.0050	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8081A QA/QC Report

Matrix: **Soil/Solid/Liquid(Oil)** Date Analyzed: **10/29/2021**

Unit: **mg/Kg (ppm)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 211028-18 MS/MSD

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.00500	0.00579	**116%**	0.00621	**124%**	**7%**	**0-20%**	**70-130**
Aldrin	0.000	0.00500	0.00590	**118%**	0.00596	**119%**	**1%**	**0-20%**	**70-130**
4,4-DDE	0.000	0.00500	0.00423	**85%**	0.00462	**92%**	**9%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.00500	0.00621	**124%**	**75-125**
Aldrin	0.00500	0.00617	**123%**	**75-125**
4,4-DDE	0.00500	0.00489	**98%**	**75-125**
Dieldrin	0.00500	0.00550	**110%**	**75-125**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	211028-18	211028-19	211028-21	211028-22	211028-27	211028-28
Tetra-chloro-meta-xylene	50-150	98%	114%	119%	120%	102%	116%	99%
Decachlorobiphenyl	50-150	78%	71%	79%	73%	80%	75%	75%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		211028-33	211028-34	211028-38	211028-39			
Tetra-chloro-meta-xylene	50-150	116%	117%	116%	96%			
Decachlorobiphenyl	50-150	77%	70%	69%	79%			

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.								
Tetra-chloro-meta-xylene	50-150							
Decachlorobiphenyl	50-150							

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

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LABORATORY REPORT

CUSTOMER: Leighton & Associates, Inc.
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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: Meridian West Upper Plateau

PROJECT No.: 13226.003
DATE RECEIVED: 10/28/21
DATE EXTRACTED: 10/29/21
DATE ANALYZED: 10/29/21
DATE REPORTED: 11/04/21

MATRIX: SOIL
SAMPLING DATE: 10/27/21
REPORT TO: Mr. ROBERT HANSEN

PCBs ANALYSIS
METHOD: EPA 8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
DG1	211028-2	ND	ND	ND	ND	ND	ND	ND	ND	1
DG2	211028-3	ND	ND	ND	ND	ND	ND	ND	ND	1
DG3	211028-4	ND	ND	ND	ND	ND	ND	ND	ND	1
SP6-0.5	211028-18	ND	ND	ND	ND	ND	ND	ND	ND	1
SP6-2.5	211028-19	ND	ND	ND	ND	ND	ND	ND	ND	1
SP8-0.5	211028-24	ND	ND	ND	ND	ND	ND	ND	ND	1
SP8-2.5	211028-25	ND	ND	ND	ND	ND	ND	ND	ND	1
SP14-0.5	211028-30	ND	ND	ND	ND	ND	ND	ND	ND	1
SP14-2.5	211028-31	ND	ND	ND	ND	ND	ND	ND	ND	1
SP15-0.5	211028-33	ND	ND	ND	ND	ND	ND	ND	ND	1
SP15-2.5	211028-34	ND	ND	ND	ND	ND	ND	ND	ND	1
SP16-0.5	211028-35	ND	ND	ND	ND	ND	ND	ND	ND	1
SP16-2.5	211028-36	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
MDL		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	
PQL		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	

COMMENTS
DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = SUM OF THE PCB 1016, 1221, 1232, 1242, 1248, 1254 AND 1260
*** = THE CONCENTRATION EXCEEDS THE TTLC LIMIT OF 50, AND THE SAMPLE IS DEFINED AS HAZARDOUS WASTE AS PER CCR-TITLE 22 (IF MARKED)

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **10/29/2021**

Unit: mg/Kg(PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **211028-25 MS/MSD**

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.125	**125%**	0.130	**130%**	**4%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.112	**112%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	211028-2	211028-3	211028-4	211028-18	211028-19	211028-24
Tetra-chloro-meta-xylene	50-150	123%	122%	127%	125%	121%	124%	127%
Decachlorobiphenyl	50-150	127%	137%	123%	130%	127%	124%	137%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		211028-25	211028-30	211028-31	211028-33	211028-34	211028-35	211028-36
Tetra-chloro-meta-xylene	50-150	105%	134%	123%	122%	140%	123%	91%
Decachlorobiphenyl	50-150	110%	140%	116%	117%	146%	113%	67%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		211029-31	211029-32	211029-36	211029-37	211029-38	211029-39	
Tetra-chloro-meta-xylene	50-150	111%	128%	103%	120%	124%	126%	
Decachlorobiphenyl	50-150	110%	66%	90%	106%	110%	123%	

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: Amy

Final Reviewer: _____

Certificate of Analysis
PLM Asbestos Identification

tel - 714-607-5227
free - 855-968-7522
OCLab@patriotlab.com
1041 S. Placentia Avenue, Fullerton, CA 92831

PATRIOT LAB

Enviro-Chem, Inc.
1214 E. Lexington Avenue
Pomona, CA 91766

Report Number: 885311
Project Number: 13226 003 211028-2-39
Project Name: Meridian West Campus Upper Plateau
Project Location:

Date Collected: 10/27/2021
Date Received: 10/29/2021
Date Analyzed: 11/2/2021
Date Reported: 11/2/2021

Collected By:
Claim Number:
PO Number:
Number of Samples: 4

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)
885311-001 CTI-0.5 211028-5	NA	Soil	NA	NA
Total Asbestos	**None Detected**			
885311-002 CT2-0.5 211028-8	NA	Soil	NA	NA
Total Asbestos	**None Detected**			
885311-003 CT3-0.5 211028-10	NA	Soil	NA	NA
Total Asbestos	**None Detected**			
885311-004 CT4-0.5 211028-12	NA	Soil	NA	NA
Total Asbestos	**None Detected**			

Certificate of Analysis
PLM Asbestos Identification

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PATRIOT LAB

Enviro-Chem, Inc.
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Report Number: 885311
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Project Name: Meridian West Campus Upper Plateau
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Date Collected: 10/27/2021
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Date Reported: 11/2/2021

Collected By:
Claim Number:
PO Number:
Number of Samples: 4

Lab/Client ID/Layer	Location	Material Description	Color	Composition (%)

Carla Ruiz - Analyst

Ian Reyes - Approved By

Bulk sample(s) submitted was (were) analyzed in accordance with the procedure outlined in the US Federal Register 40 CFR 763, Subpart F, Appendix A; EPA-600/R-93/116 (Method for Determination of Asbestos in Building Materials), and EPA-600/M4-82-020 (US EPA Interim Method for the Determination of Asbestos in Bulk Insulation Samples). Samples were analyzed using Calibrated Visual Estimations (CVES); therefore, results may not be reliable for samples of low asbestos concentration levels. Samples of wall systems containing discrete and separable layers are analyzed separately and reported as composite unless specifically requested by the customer to report analytical results for individual layers. This report applies only to the items tested. Results are representative of the samples submitted and may not represent the entire material from which the samples were collected. "None Detected" means that no asbestos was observed in the sample. "<1%" (less than one percent) or Trace means that asbestos was observed in the sample but the concentration is below the quantifiable level of 1%. This report was issued by a NIST/NVLAP (Lab Code 200358-0) and CADOHS- ELAP (Cert. No. 2540) accredited laboratory and may not be reproduced, except in full without the expressed written consent of Patriot Environmental Laboratory Services, Inc. This report may not be used to claim product certification, approval or endorsement by NIST, NVLAP, ELAP or any government agency.

ASB_Rep_8.14

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

885311

Turnaround Time
O Same Day
O 24 Hours
O 48 Hours
O 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Asbestos (PLM)	Misc./PO#	COMMENTS
				Analysis Required						
CT1 -0.5 (211028-5)		10/27/21	1132	SOIL	1		—	X		
CT2 -0.5 (211028-8)		"	1148	"	1		—	X		
CT3 -0.5 (211028-10)		"	1043	"	1		—	X		
CT4 -0.5 (211028-12)		"	1101	"	1		—	X		

11/3 @ 9:25a

Company Name:	Enviro-Chem, Inc	Project Contact: Curtis Desilets	Sampler's Signature:
Address:	1214 E. Lexington Avenue	Tel: 909-590-5905	Project Name/ID: Meridian West Campus Upper Plateau I 13226.003 (211028-2)
City/State/Zip:	Pomona, CA 91766	Fax/Email: Sub.envirochemine@gmail.com	

Relinquished by:	Received by: Desiree Quintero	Date & Time: 10/29/21 8:25a	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time:	O Dispose of O Return to Client X Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date:

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH FUEL SCAN (8015M)	TITLE 22 METALS	PCBs (8082)	SEMI-VOC (8270)	OCPs (8081)	Hex Cr.	Asbestos	HOLD	COMMENTS
								Analysis Required								
DG1	21028-2	10/27/21	1321	Soil	2-402		ICE	X	X	X	X					
DG2	-3		1326					X	X	X	X					
DG3	-4		1330					X	X	X	X					
CT1-0.5	-5		1132						X				X	X		
CT1-2.5	-6		1136						X				X			
CT1-3.5	-7		1141												X	
CT2-0.5	-8		1118						X		X		X	X		
CT2-2.0	-9		1124						X		X		X			
CT3-0.5	-10		1043						X				X	X		
CT3-2.5	-11		1049						X				X			
CT4-0.5	-12		1101						X		X		X	X		
CT4-2.5	-13		1105						X		X		X			
CT4-3.5	-14		1111												X	
CT5-0.5	-15		1149						X				X	RUSH		
CT5-2.5	-16	↓	1153	↓			↓								X	

Company Name: LEIGHTON & ASSOC.
Address: 10532 ACACIA ST, STE 3-6
City/State/Zip: RANCHO CUCAMONGA, CA 91730

Project Contact: ROBERT HANSEN
Tel: (909) 527-8782
Fax/Email:

Sampler's Signature:
Project Name/ID: MERIDIAN WEST CAMPUS UPPER PLATEAU / 13226.003

Relinquished by:	Received by:	Date & Time: 10/28/21 1000	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 10/28/21 1030	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Date: 10/27/2021

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH Fuels SCAN (GC/MS)	Title 22 METALS	PCBs (8082)	Semi-VOCs (8270)	OCPs (8081)				HOLD	COMMENTS
								Analysis Required									
CT5-3.5	211028-17	10/27/21	1158	Soil	2-4oz		Ice									X	
SP6-0.5	-18		0759					X	X	X		X					
SP6-2.5	-19		0803					X	X	X		X					
~~SP6-5.0~~ SP6-5	-20		0808													X	
SP7-0.5	-21		0740					X	X		X	X					
SP7-2.5	-22		0745					X	X		X	X					
~~SP7-5.0~~ SP7-5	-23		0750													X	
SP8-0.5	-24		0817					X	X	X	X	~~X~~ RA					
SP8-2.5	-25		0821					X	X	X	X						
~~SP8-5.0~~ SP8-5	-26		0826													X	
SP13-0.5	-27		~~0942~~ ~~0946~~					X	X		X	X					
SP13-2.5	-28		0946					X	X		X	X					
~~SP13-5.0~~ SP13-5	-29		0951													X	
SP14-0.5	-30		0926					X		X							
SP14-2.5	-31		0929					X		X							

Company Name: LEIGHTON & ASSOC.
Address: 10532 ACACIA ST., STE B-6
City/State/Zip: RANCHO CUCAMONGA, CA 91730

Project Contact: ROBERT HANSEN
Tel: (909) 527-8782
Fax/Email:

Sampler's Signature:
Project Name/ID: MERIDIAN WEST CAMPUS VAPOR PLATEAU / 13226.003

Relinquished by: [signature] Date & Time: 10/28/21 1000
Relinquished by: [signature] Date & Time: 10/28/21 1030
Relinquished by:

Received by: [signature]
Received by:
Received by:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 10/27/2021

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH FUEL SCAN (8015M)	TITLE 22 METALS	PCBs (8082)	Semi. VOCs (8270)	OCPs (8081)				HOLD	Misc./PO# / COMMENTS
								Analysis Required									
~~SP14-4.0~~ SP14-4	21028-32	10/27/21	0934	Soil			Ice									X	
SP15-0.5	-33		1001					X	X	X	X	X					
SP15-2.5	-34		1005					X	X	X	X	X					
SP16-0.5	-35		0849					X		X							
SP16-2.5	-36		0858					X		X							
SP16-5	-37		0903					~~VOA~~ RA								X	
SP17-0.5	-38		0910					X	X		X	X					
SP17-2.5	-39		0914					X	X		X	X					

Company Name: LEIGHTON & ASSOC
Address: 10532 ACACIA ST., STE B-6
City/State/Zip: RANCHO CUCAMONGA, CA 91730

Project Contact: ROBERT HANSEN
Tel: (909) 527-8782
Fax/Email:

Sampler's Signature:
Project Name/ID: MERIDIAN WEST CAMPUS UPPER PLATEAU / 13226.003

Relinquished by:	Received by:	Date & Time: 10/28/21 1000	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 10/28/21 1430	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

Date: 10/27 21 / 10/28/2021

CHAIN OF CUSTODY RECORD

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: November 8, 2021

Mr. Robert Hansen
Leighton & Associates, Inc.
10532 Acacia, Suite B-6
Rancho Cucamonga, CA 91730
Tel:(909)484-2205 E-Mail: RHansen@LeightonGroup.com

Project: **Meridian West Upper Plateau**
Project No.: **13226.003**
Lab I.D.: **211029-8 through -29**

Dear Mr. Hansen:

The **analytical results** for the soil samples, received by our lab on October 29, 2021, are attached. The samples were received chilled, intact and with chain of custody record.

Trace concentrations between the MDL and the PQL have been reported with a "J" flag indicator.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manger

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/29/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 10/29&11/03/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **ES1-1-0.5** LAB I.D.: 211029-8

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	0.725	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	270	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	31.8	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	11.4	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	12.7	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	0.817	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	44.8	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	42.7	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/29/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 10/29&11/03/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **ES1-2-0.5** LAB I.D.: 211029-11

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	0.939	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	252	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	27.7	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	10.0	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	12.5	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	0.947	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	39.6	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	47.7	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/29/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 10/29&11/03/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **ES1-3-0.5** LAB I.D.: 211029-14

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	0.883	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	281	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	33.2	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	11.4	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	48.1	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	1.06	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	44.6	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	145	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
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@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/29/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 10/29&11/03/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **ES2-1-0.5** LAB I.D.: 211029-17

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	344	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	34.5	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	11.8	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	12.1	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	3.30	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	50.0	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	115	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/29/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 10/29&11/03/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **ES2-2-0.5** LAB I.D.: 211029-20

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	261	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	27.8	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	8.32	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	19.3	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	3.19	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.020	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	35.8	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	46.5	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/29/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 10/29&11/03/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **PD1-1-0.5** LAB I.D.: 211029-23

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	348	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	33.6	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	11.5	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	21.0	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	26.0	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.021	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	50.9	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	55.3	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX:SOIL DATE RECEIVED:10/29/21
SAMPLING DATE:10/28/21 DATE ANALYZED:10/29&11/03/21
REPORT TO:Mr. ROBERT HANSEN DATE REPORTED:11/08/21

SAMPLE I.D.: **PD1-2-0.5** LAB I.D.: 211029-26

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	333	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	34.0	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	12.1	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	16.6	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	3.08	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.028	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	51.5	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	136	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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METHOD BLANK REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/29/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 10/29&11/03/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

METHOD BLANK FOR LAB I.D.: 211029-8, -11, -14, -17, -20, -23, -26

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	ND	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	ND	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	ND	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	ND	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

Metals Analysis Date : 11/3/2021
Mercury Analysis Date : 10/29/2021

Unit : mg/Kg(ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Antimony (Sb)	211029-11	50.0	99	PASS	0	50	44.1	88%	43.9	88%	0%
Arsenic (As)	211029-11	50.0	110	PASS	0.939	50	44.4	87%	44.0	86%	1%
Barium (Ba)	211029-11	50.0	106	PASS	262	50	252	20%*	253	18%*	1%
Beryllium (Be)	211029-11	50.0	109	PASS	0	50	45.4	91%	44.9	90%	1%
Cadmium (Cd)	211029-11	50.0	101	PASS	0	50	40.6	81%	40.4	81%	0%
Chromium (Cr)	211029-11	50.0	108	PASS	27.7	50	61.8	68%*	61.4	67%*	1%
Cobalt (Co)	211029-11	50.0	97	PASS	10.0	50	44.0	68%*	43.8	68%*	1%
Copper (Cu)	211029-11	50.0	100	PASS	12.5	50	53.5	82%	52.2	79%	3%
Lead (Pb)	211029-11	50.0	109	PASS	0.947	50	58.6	115%	58.5	115%	0%
Mercury (Hg)	211029-5	0.125	92	PASS	0	0.125	0.131	104%	0.125	100%	4%
Molybdenum(Mo)	211029-11	50.0	97	PASS	0	50	40.3	81%	40.0	80%	1%
Nickel (Ni)	211029-11	50.0	104	PASS	0	50	43.7	87%	43.5	87%	0%
Selenium (Se)	211029-11	50.0	105	PASS	0	50	42.1	84%	41.9	84%	0%
Silver (Ag)	211029-11	5.0	104	PASS	0	5.0	4.16	83%	4.08	82%	2%
Thallium (Tl)	211029-11	50.0	101	PASS	0	50	39.2	78%	39.4	79%	1%
Vanadium (V)	211029-11	50.0	101	PASS	39.6	50	75.8	72%*	75.3	71%*	1%
Zinc (Zn)	211029-11	50.0	104	PASS	47.7	50	84.3	73%*	83.5	72%*	2%

ANALYST: _____

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

FINAL REVIEWER: _____

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/01/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

PCBs ANALYSIS
METHOD: EPA 8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
ES1-1-0.5	211029-8	ND	ND	ND	ND	ND	ND	ND	ND	1
ES1-1-2.5	211029-9	ND	ND	ND	ND	ND	ND	ND	ND	1
ES1-2-0.5	211029-11	ND	ND	ND	ND	ND	ND	ND	ND	1
ES1-2-2.5	211029-12	ND	ND	ND	ND	ND	ND	ND	ND	1
ES1-3-0.5	211029-14	ND	ND	ND	ND	ND	ND	ND	ND	1
ES1-3-2.5	211029-15	ND	ND	ND	ND	ND	0.009J	ND	0.009J	1
ES2-1-0.5	211029-17	ND	ND	ND	ND	ND	ND	ND	ND	1
ES2-1-2.5	211029-18	ND	ND	ND	ND	ND	ND	ND	ND	1
ES2-2-0.5	211029-20	ND	ND	ND	ND	ND	ND	ND	ND	1
ES2-2-2.5	211029-21	ND	ND	ND	ND	ND	ND	ND	ND	1
PD1-1-0.5	211029-23	ND	ND	ND	ND	ND	ND	ND	ND	1
PD1-1-2.0	211029-24	ND	ND	ND	ND	ND	ND	ND	ND	1
PD1-2-0.5	211029-26	ND	ND	ND	ND	ND	ND	ND	ND	1
PD1-2-2.0	211029-27	ND	ND	ND	ND	ND	ND	ND	ND	1
PD2-1-0.5	211029-28	ND	ND	ND	ND	ND	ND	ND	ND	1
PD2-1-2.5	211029-29	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
MDL		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	
PQL		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	

COMMENTS
DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = SUM OF THE PCB 1016, 1221, 1232, 1242, 1248, 1254 AND 1260
*** = THE CONCENTRATION EXCEEDS THE TTLC LIMIT OF 50, AND THE SAMPLE IS DEFINED AS HAZARDOUS WASTE AS PER CCR-TITLE 22 (IF MARKED)

Data Reviewed and Approved by: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **11/1/2021**

Unit: mg/Kg(PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 211029-9 MS/MSD

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.098	**98%**	0.102	**102%**	**4%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.115	**115%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	211029-8	211029-9	211029-11	211029-12	211029-14	211029-15
Tetra-chloro-meta-xylene	50-150	121%	127%	125%	125%	124%	84%	127%
Decachlorobiphenyl	50-150	128%	121%	135%	124%	127%	111%	122%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		211029-17	211029-18	211029-20	211029-21	211029-23	211029-24	211029-26
Tetra-chloro-meta-xylene	50-150	128%	123%	125%	122%	73%	62%	106%
Decachlorobiphenyl	50-150	148%	121%	118%	125%	67%	94%	101%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		211029-27	211029-28	211029-29				
Tetra-chloro-meta-xylene	50-150	126%	120%	122%				
Decachlorobiphenyl	50-150	112%	112%	109%				

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

* = *Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: PCBs (8082)	Analysis Required: Title 22 metals	COMMENTS
ES1-1-0.5	21029-8	10/28/21	08:40	SOIL	2-4oz GLASS JARS	ICE		X	X	
ES1-1-2.5	-9		08:47					X		
ES1-1-5.0	-10		08:55							
ES1-2-0.5	-11		09:02					X	X	
ES1-2-2.5	-12		09:10					X		
ES1-2-5.0	-13		09:15							
ES1-3-0.5	-14		09:35					X	X	
ES1-3-2.5	-15		09:43					X		
ES1-3-5.0	-16		09:48							
ES2-1-0.5	-17		10:13					X	X	
ES2-1-2.5	-18		10:20					X		
ES2-1-5.0	-19		10:24							
ES2-2-0.5	-20		10:33					X	X	
ES2-2-2.5	-21		10:37					X		
ES2-2-5.0	-22		10:44							

Misc./PO#

Company Name: LEIGHTON CONSULTING, INC.
Address: 10532 ACACIA ST., STE B-6
City/State/Zip: RANCHO CUCAMONGA, CA 91730

Project Contact: ROBERT HANSEN
Tel: (909) 527-8782
Fax/Email:

Sampler's Signature:
Project Name/ID: MORIDIN WEST UPPER PLATEAU 13226.003

Relinquished by:
Relinquished by:
Relinquished by:

Received by:
Received by:
Received by:

Date & Time: 10/29/21 0840
Date & Time: 10/29 0930
Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 10/28/2021

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	Analysis Required: PCBs (8082)	Analysis Required: Title 22 metals	COMMENTS
PD1-1-0.5	21029-23	10/28/21	11:47	SOIL	2-4oz GLASS JARS		ICE	X	X	
PD1-1-2.0	-24		11:54					X		
PD1-1-3.0	-25		12:02							
PD1-2-0.5	-26		12:16					X	X	
PD1-2-2.0	-27		12:25					X		
PD2-1-0.5	-28		12:48					X		
PD2-1-2.5	-29		12:53					X		

Company Name: LEIGHTON CONSULTING INC
Address: 10532 ACACIA ST., SUITE B-6
City/State/Zip: RANCHO CUCAMONGA, CA 91730

Project Contact: ROBERT HANSEN
Tel: (909) 527-8782
Fax/Email:

Sampler's Signature:
Project Name/ID: MERIDIAN WEST UPPER PLATEAU 13226.003

Relinquished by:	Received by:	Date & Time: 10/29/21 0850
Relinquished by:	Received by:	Date & Time: 10/29/21 0850
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 10/28/2021

WHITE WITH SAMPLE • YELLOW TO CLIENT

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: November 8, 2021

Mr. Robert Hansen
Leighton & Associates, Inc.
10532 Acacia, Suite B-6
Rancho Cucamonga, CA 91730
Tel:(909)484-2205 E-Mail: RHansen@LeightonGroup.com

Project: **Meridian West Upper Plateau**
Project No.: **13226.003**
Lab I.D.: **211029-30 through -42**

Dear Mr. Hansen:

The **analytical results** for the soil samples, received by our lab on October 29, 2021, are attached. The samples were received chilled, intact and with chain of custody record.

Trace concentrations between the MDL and the PQL have been reported with a "J" flag indicator.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manger

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED:10/29/21
MATRIX:SOIL DATE EXTRACTED:11/01/21
SAMPLING DATE:10/28/21 DATE ANALYZED:11/01-02/21
REPORT TO:Mr. ROBERT HANSEN DATE REPORTED:11/08/21

TOTAL PETROLEUM HYDROCARBONS(TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
SB1-10	211029-31	ND	25.8 *	138	1
SB1-15	211029-32	ND	8.24J *	ND	1
SB1-20	211029-33	ND	14.7 *	53.3	1
SB1-25	211029-34	ND	8.92J *	ND	1
SB1-30	211029-35	ND	ND	ND	1
SB2-10	211029-36	5.32J *	15.1 *	61.9	1
SB2-13	211029-37	ND	9.74J *	ND	1
SB3-10	211029-38	10.2 *	12.1 *	ND	1
SB3-15	211029-39	ND	19.2 *	26.5J	1
SB3-20	211029-40	ND	ND	ND	1
SB3-25	211029-41	ND	ND	ND	1
SB3-30	211029-42	ND	ND	ND	1
METHOD BLANK		ND	ND	ND	1
	MDL	5	5	25	
	PQL	10	10	50	

COMMENTS
C4-C10 = GASOLINE RANGE
C11-C22 = DIESEL RANGE
C23-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
PQL = PRACTICAL QUANTITATION LIMIT
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = PEAKS IN RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF STANDARD

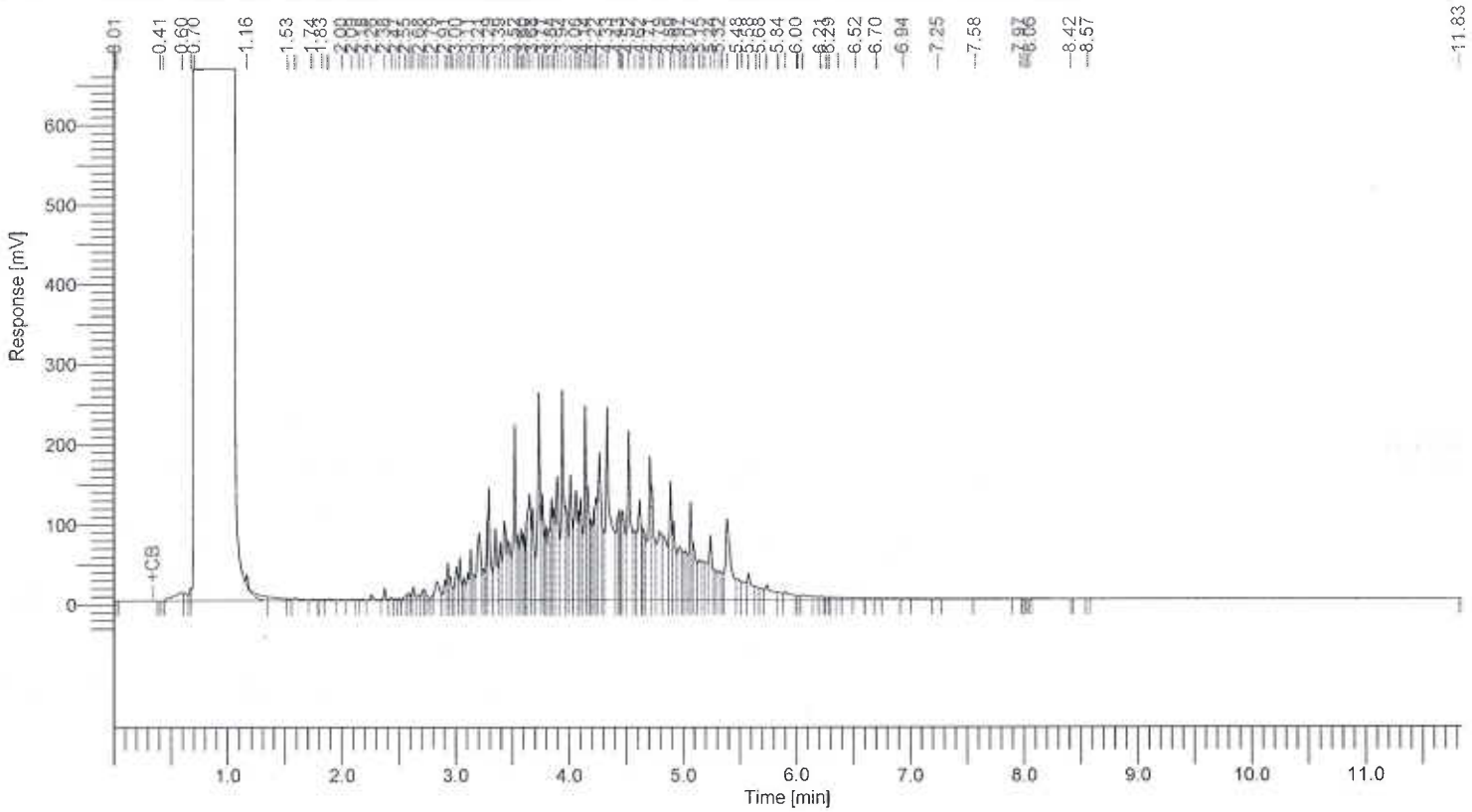
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version : 6.3.4.0780
Sample Name : DIESEL CCV 2000 PPM (GC4849)
Instrument Name : GC-I
Rack/Vial : 0/84
Sample Amount : 1.000000
Cycle : 113

DIESEL STANDARD

Date : 11/3/2021 11:26:21 AM
Data Acquisition Time : 11/2/2021 2:19:14 PM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2021\I2111\I211101\A113.rst
Sequence File : E:\GC DATA\GC-I\I2021\I2111\I211101\I211101.seq



8015 Results

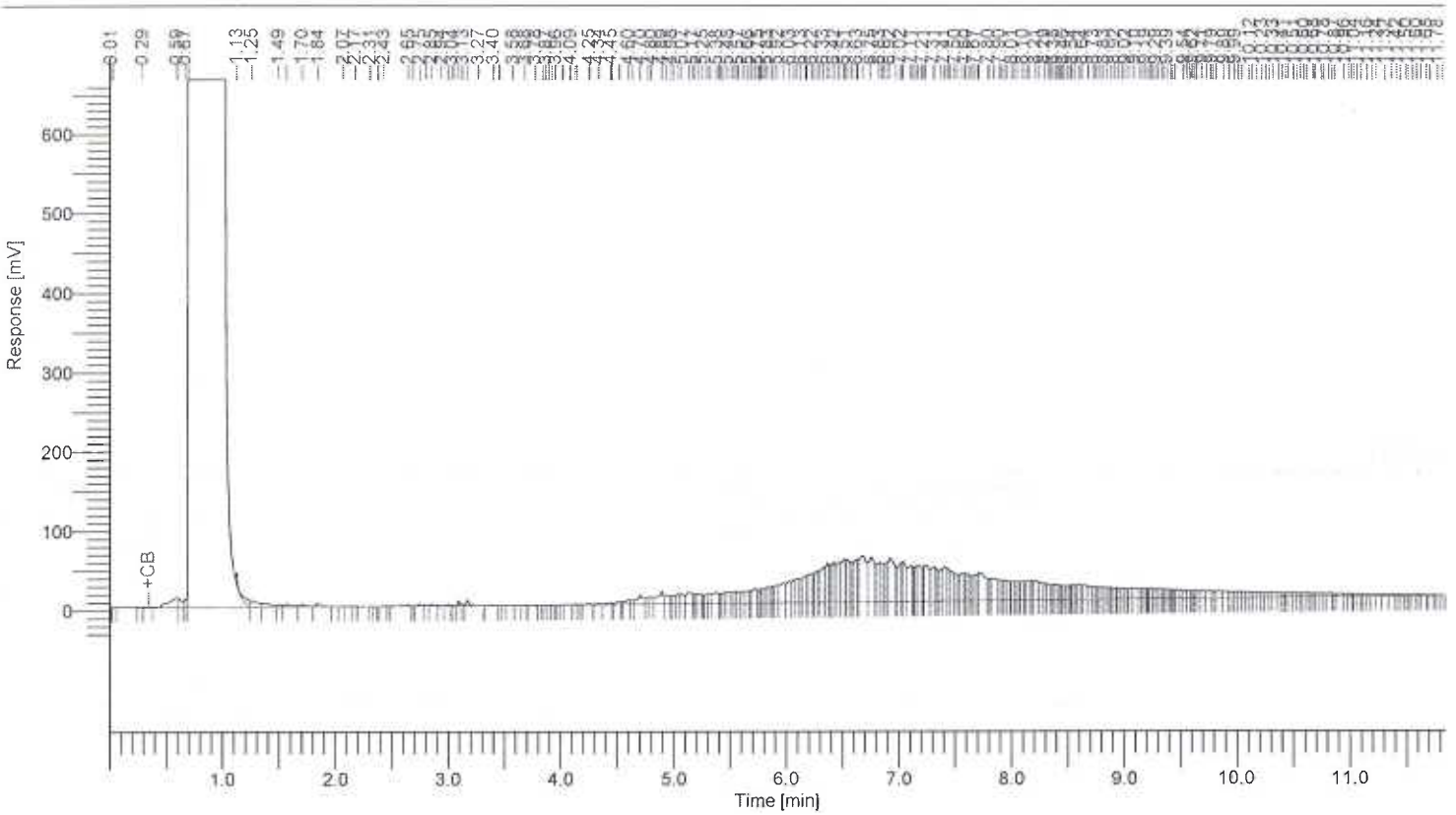
Component Name	Area [uV*sec]	Adjusted Amount
C10~C28	12031469	2062.7
	12031469	2062.7

Software Version : 6.3.4.0708
Sample Name : 211029-31 2D2
Instrument Name : GC-I
Rack/Vial : 0/36
Sample Amount : 1.000000
Cycle : 40

SB1-10

Date : 11/3/2021 11:29:55 AM
Data Acquisition Time : 11/1/2021 6:49:18 PM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2021\I2111\I211101\A040.rst
Sequence File : E:\GC DATA\GC-I\I2021\I2111\I211101\I211101.seq



8015 Results

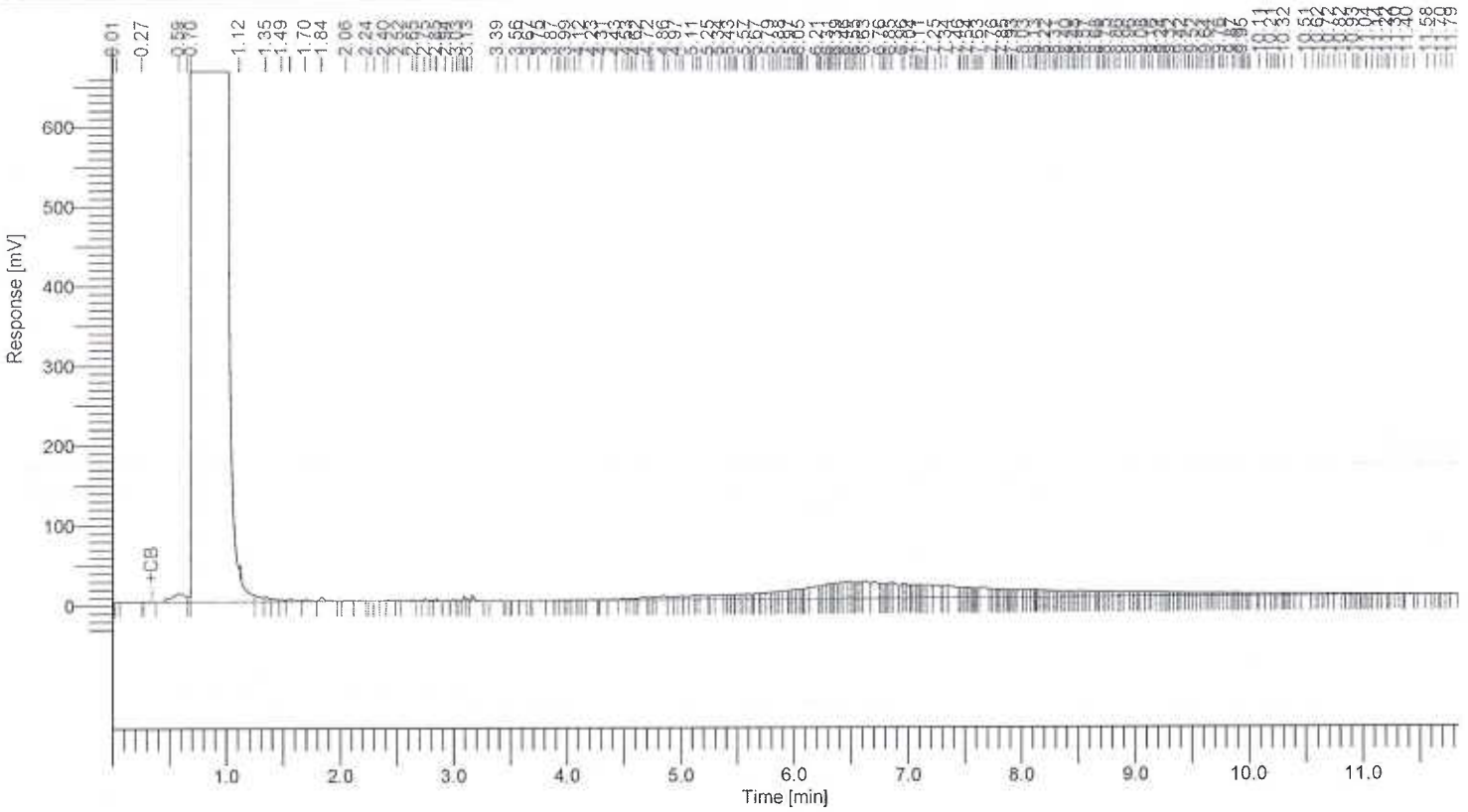
Component Name	Area [uV*sec]	Adjusted Amount
C4~C10	128909	29.9
C10~C28	2600794	258.2
C28~C35	4722118	1381.2
	7451821	1669.4

Software Version : 6.3.4.0700
Sample Name : 211029-33 20/2
Instrument Name : GC-I
Rack/Vial : 0/38
Sample Amount : 1.000000
Cycle : 45

SB120

Date : 11/3/2021 11:30:03 AM
Data Acquisition Time : 11/1/2021 8:09:49 PM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2021\I2111\I211101\A045.rst
Sequence File : E:\GC DATA\GC-I\I2021\I2111\I211101\I211101.seq



8015 Results

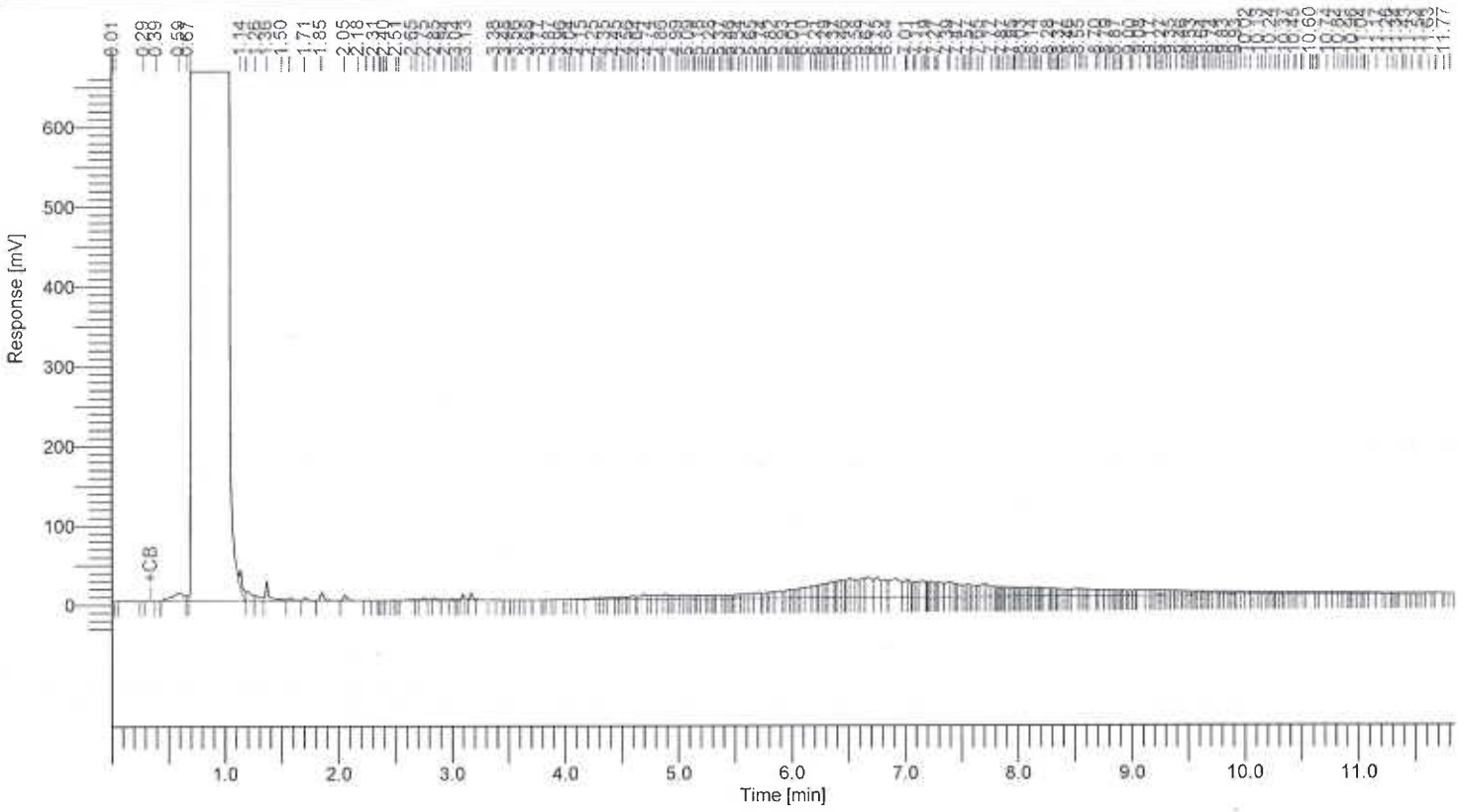
Component Name	Area [uV*sec]	Adjusted Amount
C4~C10	117022	27.1
C10~C28	1085818	146.9
C28~C35	1637982	532.9
	2840821	706.9

Software Version : 6.3.4.0700
Sample Name : 211029-36 20/2
Instrument Name : GC-I
Rack/Vial : 0/41
Sample Amount : 1.000000
Cycle : 48

SB210

Date : 11/3/2021 11:30:08 AM
Data Acquisition Time : 11/1/2021 8:58:08 PM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2021\I2111\I211101\A048.rst
Sequence File : E:\GC DATA\GC-I\I2021\I2111\I211101\I211101.seq



8015 Results

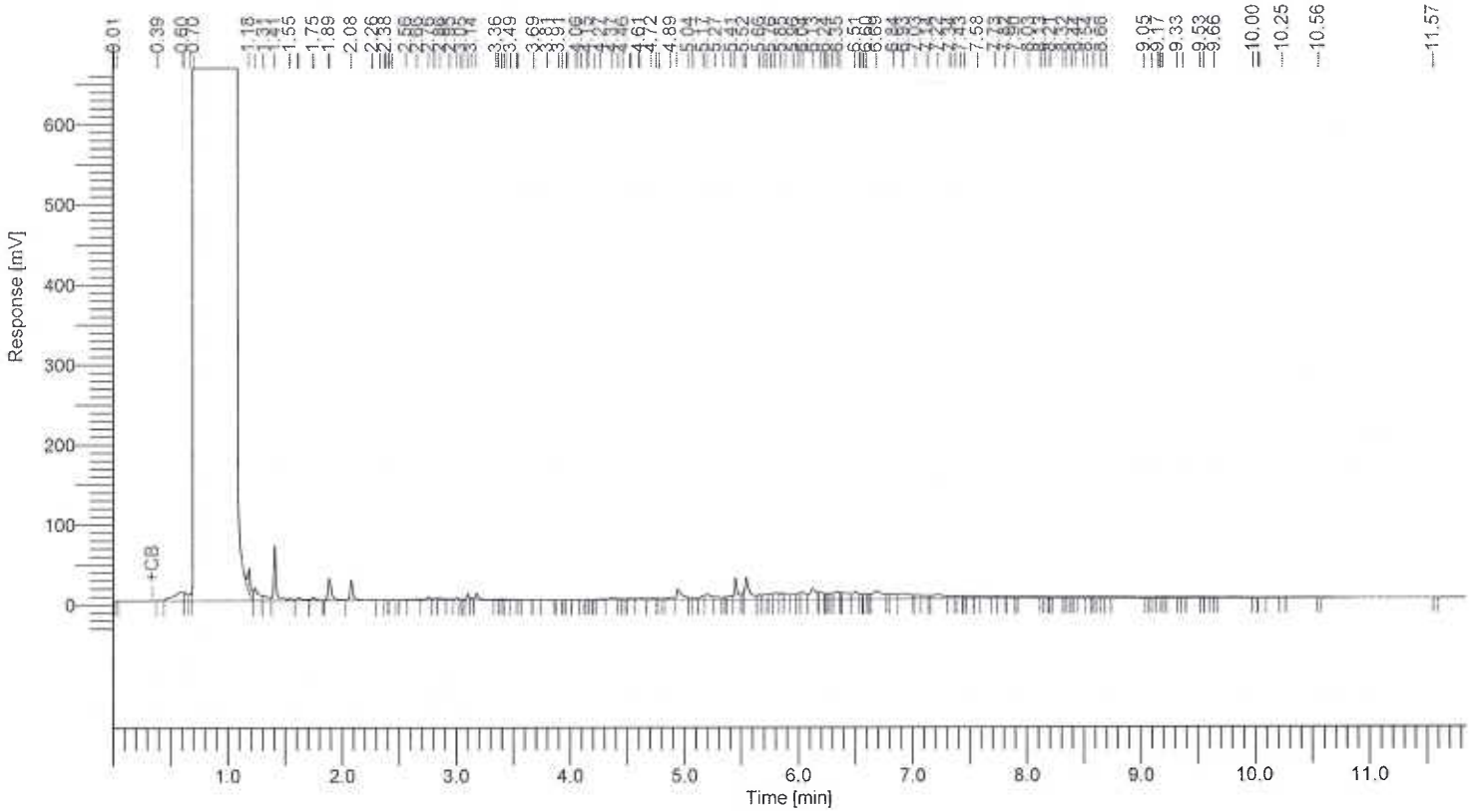
Component Name	Area [uV*sec]	Adjusted Amount
C4~C10	227293	53.2
C10~C28	1133881	150.5
C28~C35	1952529	619.4
	3313703	823.1

SB-3-10

Software Version : 6.3.4.0700
Sample Name : 211029-38 20/2 RE
Instrument Name : GC-I
Rack/Vial : 0/43
Sample Amount : 1.000000
Cycle : 100

Date : 11/3/2021 11:30:28 AM
Data Acquisition Time : 11/2/2021 10:50:36 AM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2021\I2111\I211101\A100.rst
Sequence File : E:\GC DATA\GC-I\I2021\I2111\I211101\I211101.seq



8015 Results

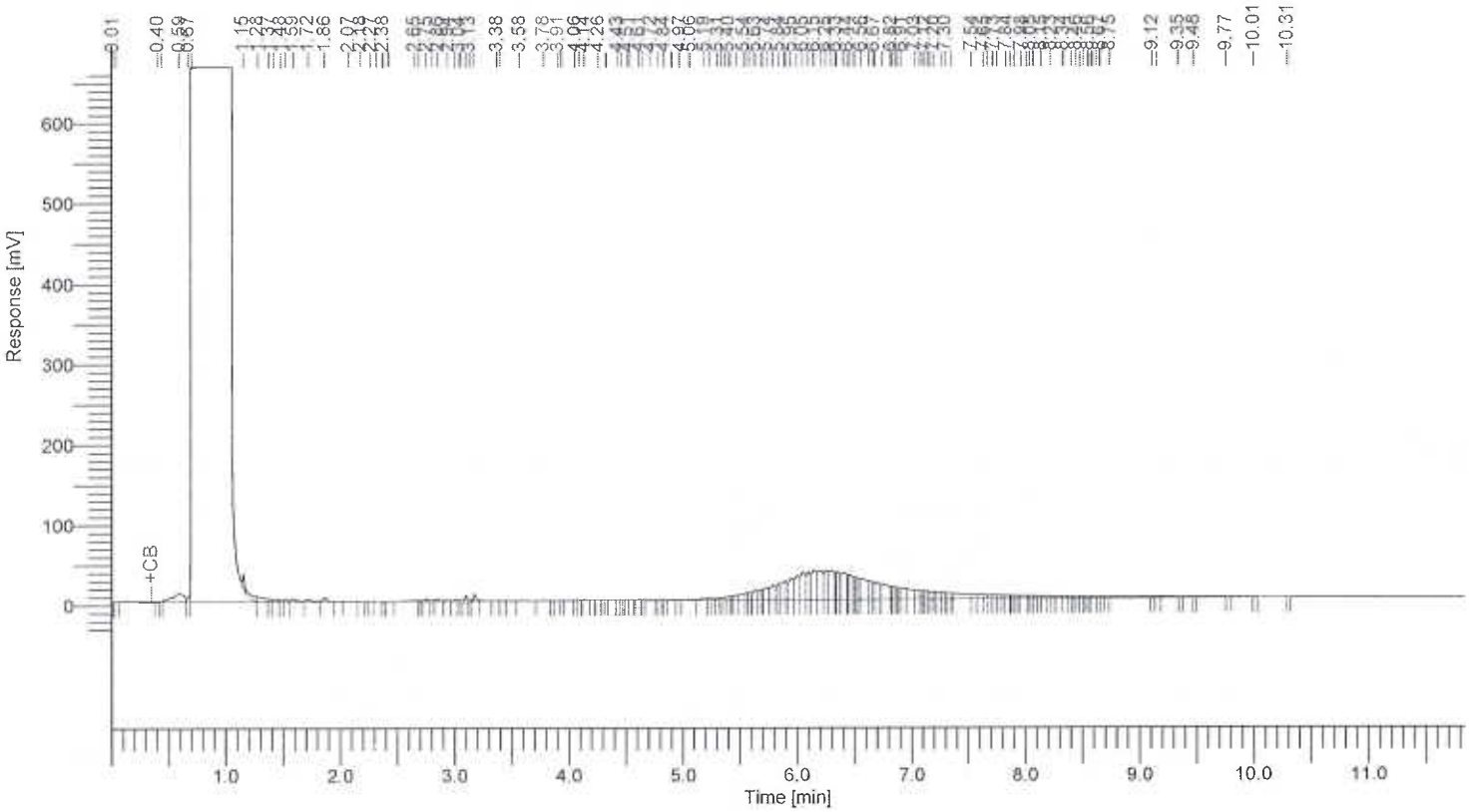
Component Name	Area [uV*sec]	Adjusted Amount
C4~C10	432208	101.7
C10~C28	726963	120.6
C28~C35	383578	187.8
	1542749	410.1

Software Version : 6.3.4.0700
Sample Name : 211029-39 20/2
Instrument Name : GC-I
Rack/Vial : 0/44
Sample Amount : 1.000000
Cycle : 51

SB-3-15

Date : 11/3/2021 11:30:17 AM
Data Acquisition Time : 11/1/2021 9:46:29 PM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2021\I2111\I211101\A051.rst
Sequence File : E:\GC DATA\GC-I\I2021\I2111\I211101\I211101.seq



8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4~C10	155617	36.2
C10~C28	1698451	191.9
C28~C35	665118	265.3
	2519186	493.4

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B QA/QC Report

Date Analyzed: 11/1~2/2021 **Units:** mg/Kg (ppm)

Matrix: **Soil/Solid/Sludge/Liquid**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **211029-42 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C10~C28 Range	0.00	200	194	**97%**	229	**114%**	**16%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C10~C28 Range	200	172	**86%**	**75-125**

Analyzed and Reviewed By: Amy

Final Reviewer:

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel:(909)484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX:SOIL DATE RECEIVED:10/29/21
SAMPLING DATE:10/28/21 DATE ANALYZED:10/29&11/03/21
REPORT TO:Mr. ROBERT HANSEN DATE REPORTED:11/08/21

SAMPLE I.D.: **SB1-10** LAB I.D.: 211029-31

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	2.30	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	85.2	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	27.9	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	6.67	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	12.4	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	3.13	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	3.67	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	30.7	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	31.4	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/29/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 10/29&11/03/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB1-15** LAB I.D.: 211029-32

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	356	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	29.1	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	10.4	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	13.6	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	0.520	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	44.2	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	37.6	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/29/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 10/29&11/03/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB2-10** LAB I.D.: 211029-36

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	0.706	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	350	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	37.3	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	12.6	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	10.7	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.015	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	50.3	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	46.0	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/29/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 10/29&11/03/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB2-13** LAB I.D.: 211029-37

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	409	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	35.2	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	10.8	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	8.95	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	47.8	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	39.5	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/29/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 10/29&11/03/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB3-10** LAB I.D.: 211029-38

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	452	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	33.5	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	12.1	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	20.2	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	0.025	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	53.0	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	45.1	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
* = STLC analysis for the metal is recommended (if marked)
** = Additional Analysis required, please call to discuss (if marked)
*** = The concentration exceeds the TTLC Limit, and the sample is defined as hazardous waste as per CCR-TITLE 22 (if marked)
-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

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Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/29/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 10/29&11/03/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB3-15** LAB I.D.: 211029-39

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	239	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	21.3	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	6.92	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	3.44	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	2.04	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	29.9	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	26.5	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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-- = Not analyzed/not requested

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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METHOD BLANK REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: SOIL DATE RECEIVED: 10/29/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 10/29&11/03/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

METHOD BLANK FOR LAB I.D.: 211029-31, -32, -36, -37, -38, -39

TOTAL THRESHOLD LIMIT CONCENTRATION ANALYSIS
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

ELEMENT ANALYZED	SAMPLE RESULT	PQL	MDL	DF	TTLC LIMIT	STLC LIMIT	EPA METHOD
Antimony(Sb)	ND	1.0	0.250	1	500	15	6010B
Arsenic(As)	ND	0.5	0.248	1	500	5.0	6010B
Barium(Ba)	ND	5.0	0.143	1	10,000	100	6010B
Beryllium(Be)	ND	0.5	0.180	1	75	0.75	6010B
Cadmium(Cd)	ND	0.5	0.119	1	100	1.0	6010B
Chromium Total(Cr)	ND	0.5	0.138	1	2,500	560/5@	6010B
Chromium VI (Cr6)	--	0.2	0.0156	-	500	5.0	7196A
Cobalt(Co)	ND	1.0	0.156	1	8,000	80	6010B
Copper(Cu)	ND	1.0	0.203	1	2,500	25	6010B
Lead(Pb)	ND	0.5	0.192	1	1,000	5.0	6010B
Mercury(Hg)	ND	0.01	0.0062	1	20	0.2	7471A
Molybdenum(Mo)	ND	5.0	0.274	1	3,500	350	6010B
Nickel(Ni)	ND	2.5	0.165	1	2,000	20	6010B
Selenium(Se)	ND	1.0	0.234	1	100	1.0	6010B
Silver(Ag)	ND	1.0	0.414	1	500	5.0	6010B
Thallium(Tl)	ND	1.0	0.432	1	700	7.0	6010B
Vanadium(V)	ND	5.0	0.171	1	2,400	24	6010B
Zinc(Zn)	ND	0.5	0.131	1	5,000	250	6010B

COMMENTS
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
@ = Must meet both the STLC Limit at 560 and EPA-TCLP Limit at 5
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DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

QA/QC for Metals Analysis --TTLC--SOLID/SOIL MATRIX

Matrix Spike/ Matrix Spike Duplicate/ LCS :

Metals Analysis Date : 11/3/2021
Mercury Analysis Date : 10/29/2021

Unit : mg/Kg(ppm)

Analysis	Spk.Sample ID	LCS CONC.	LCS %Rec.	LCS STATUS	Sample Result	Spike Conc.	MS	% Rec MS	MSD	% Rec MSD	% RPD
Antimony (Sb)	211029-11	50.0	99	PASS	0	50	44.1	88%	43.9	88%	0%
Arsenic (As)	211029-11	50.0	110	PASS	0.939	50	44.4	87%	44.0	86%	1%
Barium (Ba)	211029-11	50.0	106	PASS	262	50	252	20%*	253	18%*	1%
Beryllium (Be)	211029-11	50.0	109	PASS	0	50	45.4	91%	44.9	90%	1%
Cadmium (Cd)	211029-11	50.0	101	PASS	0	50	40.6	81%	40.4	81%	0%
Chromium (Cr)	211029-11	50.0	108	PASS	27.7	50	61.8	68%*	61.4	67%*	1%
Cobalt (Co)	211029-11	50.0	97	PASS	10.0	50	44.0	68%*	43.8	68%*	1%
Copper (Cu)	211029-11	50.0	100	PASS	12.5	50	53.5	82%	52.2	79%	3%
Lead (Pb)	211029-11	50.0	109	PASS	0.947	50	58.6	115%	58.5	115%	0%
Mercury (Hg)	211029-5	0.125	92	PASS	0	0.125	0.131	104%	0.125	100%	4%
Molybdenum(Mo)	211029-11	50.0	97	PASS	0	50	40.3	81%	40.0	80%	1%
Nickel (Ni)	211029-11	50.0	104	PASS	0	50	43.7	87%	43.5	87%	0%
Selenium (Se)	211029-11	50.0	105	PASS	0	50	42.1	84%	41.9	84%	0%
Silver (Ag)	211029-11	5.0	104	PASS	0	5.0	4.16	83%	4.08	82%	2%
Thallium (Tl)	211029-11	50.0	101	PASS	0	50	39.2	78%	39.4	79%	1%
Vanadium (V)	211029-11	50.0	101	PASS	39.6	50	75.8	72%*	75.3	71%*	1%
Zinc (Zn)	211029-11	50.0	104	PASS	47.7	50	84.3	73%*	83.5	72%*	2%

ANALYST: _____

*=Fail due to matrix interference

Note:LCS is in control therefore results are in control

FINAL REVIEWER: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB1-10** LAB I.D.: 211029-31

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	1.25	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB1-10** LAB I.D.: 211029-31

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB1-15** LAB I.D.: 211029-32

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	1.25	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB1-15** LAB I.D.: 211029-32

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB2-10** LAB I.D.: 211029-36

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	1.25	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB2-10** LAB I.D.: 211029-36

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB2-13** LAB I.D.: 211029-37

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	1.25	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB2-13** LAB I.D.: 211029-37

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB3-10** LAB I.D.: 211029-38

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	1.25	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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LABORATORY REPORT

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB3-10** LAB I.D.: 211029-38

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB3-15** LAB I.D.: 211029-39

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	1.25	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB3-15** LAB I.D.: 211029-39

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

METHOD BLANK FOR LAB I.D.: 211029-31, -32, -36, -37, -38, -39

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 1 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
Acenaphthene	ND	0.50	0.017	1
Acenaphthylene	ND	0.50	0.028	1
Anthracene	ND	0.50	0.028	1
Benzo(a)anthracene	ND	0.50	0.080	1
Benzo(b)fluoranthene	ND	0.50	0.104	1
Benzo(a)pyrene	ND	0.50	0.049	1
Benzo(g,h,i)perylene	ND	0.50	0.044	1
Benzo(k)fluoranthene	ND	0.50	0.150	1
Benzoic Acid	ND	2.50	1.25	1
Benzyl Alcohol	ND	0.50	0.021	1
Bis(2-Chloroethoxy)methane	ND	0.50	0.026	1
Bis(2-Chloroethyl)ether	ND	0.50	0.015	1
Bis(2-Chloroisopropyl)ether	ND	0.50	0.044	1
Bis(2-Ethylhexyl)Phthalate	ND	0.50	0.037	1
4-Bromophenyl Phenyl Ether	ND	0.50	0.061	1
Butylbenzylphthalate	ND	0.50	0.031	1
4-Chloro-3-Methylphenol	ND	0.50	0.035	1
4-Chloroaniline	ND	0.50	0.043	1
2-Chloronaphthalene	ND	0.50	0.038	1
2-Chlorophenol	ND	0.50	0.024	1
4-Chlorophenyl Phenyl Ether	ND	0.50	0.027	1
Chrysene	ND	0.50	0.036	1
Di-n-butylphthalate	ND	0.50	0.028	1
Di-n-octylphthalate	ND	0.50	0.037	1
Dibenzo(a,h)anthracene	ND	0.50	0.047	1
Dibenzofuran	ND	0.50	0.041	1
1,2-Dichlorobenzene	ND	0.50	0.039	1
1,3-Dichlorobenzene	ND	0.50	0.039	1
1,4-Dichlorobenzene	ND	0.50	0.029	1
3,3-Dichlorobenzidine	ND	0.50	0.075	1
2,4-Dichlorophenol	ND	0.50	0.028	1
Diethyl Phthalate	ND	0.50	0.029	1
2,4-Dimethylphenol	ND	0.50	0.023	1
Dimethyl Phthalate	ND	0.50	0.018	1

----- TO BE CONTINUED ON PAGE #2 -----

DATA REVIEWED AND APPROVED BY: _____

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1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

METHOD BLANK FOR LAB I.D.: 211029-31, -32, -36, -37, -38, -39

SEMI-VOLATILE ORGANICS, EPA 8270C, PAGE 2 OF 2
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
4,6-Dinitro-2-methylphenol	ND	0.50	0.045	1
2,4-Dinitrophenol	ND	0.50	0.047	1
2,4-Dinitrotoluene	ND	0.50	0.024	1
2,6-Dinitrotoluene	ND	0.50	0.050	1
Fluoranthene	ND	0.50	0.022	1
Fluorene	ND	0.50	0.026	1
Hexachlorobenzene	ND	0.50	0.031	1
Hexachlorobutadiene	ND	0.50	0.022	1
Hexachlorocyclopentadiene	ND	0.50	0.041	1
Hexachloroethane	ND	0.50	0.030	1
Indeno(1,2,3-cd)pyrene	ND	0.50	0.046	1
Isophorone	ND	0.50	0.026	1
2-Methyl Phenol	ND	0.50	0.042	1
3/4-Methyl Phenol	ND	0.50	0.037	1
2-Methylnaphthalene	ND	0.50	0.036	1
N-Nitroso-di-n-dipropylamine	ND	0.50	0.024	1
N-Nitrosodimethylamine	ND	0.50	0.015	1
N-Nitrosodiphenylamine	ND	0.50	0.042	1
Naphthalene	ND	0.50	0.014	1
2-Nitroaniline	ND	0.50	0.026	1
3-Nitroaniline	ND	0.50	0.043	1
4-Nitroaniline	ND	0.50	0.052	1
Nitrobenzene	ND	0.50	0.157	1
2-Nitrophenol	ND	0.50	0.031	1
4-Nitrophenol	ND	0.50	0.040	1
Pentachlorophenol	ND	0.50	0.048	1
Phenanthrene	ND	0.50	0.036	1
Phenol	ND	0.50	0.031	1
Pyrene	ND	0.50	0.043	1
1,2,4-Trichlorobenzene	ND	0.50	0.030	1
2,4,5-Trichlorophenol	ND	0.50	0.054	1
2,4,6-Trichlorophenol	ND	0.50	0.041	1

COMMENTS DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT / PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8270C QA/QC Report

Matrix: **Soil/Solid/Sludge/Oil** Unit: mg/Kg (PPM)

Date Analyzed: 11/2/2021

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: **211029-31 MS/MSD**

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
Phenol	0.0	2.00	1.13	**57%**	1.21	**60%**	**7%**	50-150	0-20
Pyrene	0.0	2.00	1.95	**98%**	2.16	**108%**	**10%**	50-150	0-20

Laboratory Control Spike (LCS):

Analyte	spk conc	LCS	% RC	ACP %RC
Phenol	2.00	1.93	**96%**	75-125
1,4-Dichlorobenzene	2.00	2.18	**109%**	75-125
2,4-Dichlorophenol	2.00	2.22	**111%**	75-125
Hexachlorobutadiene	2.00	2.29	**114%**	75-125
4-Chloro-3-methylphenol	2.00	2.07	**104%**	75-125
Fluoranthene	2.00	2.06	**103%**	75-125

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.			**MB**	**211029-31**	**211029-32**	**211029-36**	**211029-37**	**211029-38**	**211029-39**
2-Fluorophenol	40	25-121	71%	78%	54%	84%	82%	52%	85%
Phenol-d5	40	24-113	66%	73%	49%	77%	76%	49%	78%
Nitrobenzene-d5	40	23-120	70%	79%	53%	83%	82%	53%	86%
2-Fluorobiphenyl	40	30-115	78%	91%	59%	91%	89%	60%	94%
2,4,6-Tribromophenol	40	19-122	58%	71%	47%	76%	68%	46%	74%
Terphenyl-d14	40	18-137	99%	104%	66%	106%	102%	67%	100%

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
2-Fluorophenol	40	25-121							
Phenol-d5	40	24-113							
Nitrobenzene-d5	40	23-120							
2-Fluorobiphenyl	40	30-115							
2,4,6-Tribromophenol	40	19-122							
Terphenyl-d14	40	18-137							

Surrogate Recovery	spk conc	ACP%	%RC	%RC	%RC	%RC	%RC	%RC	%RC
Sample I.D.									
2-Fluorophenol	40	25-121							
Phenol-d5	40	24-113							
Nitrobenzene-d5	40	23-120							
2-Fluorobiphenyl	40	30-115							
2,4,6-Tribromophenol	40	19-122							
Terphenyl-d14	40	18-137							

** = Surrogate fail due to matrix interference*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau**

PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
DATE EXTRACTED: 10/29/21
DATE ANALYZED: 10/29/21
DATE REPORTED: 11/08/21

MATRIX: SOIL
SAMPLING DATE: 10/28/21
REPORT TO: Mr. ROBERT HANSEN

PCBs ANALYSIS
METHOD: EPA 8082
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260	TOTAL PCBs*	DF
SB1-10	211029-31	ND	ND	ND	ND	ND	ND	ND	ND	1
SB1-15	211029-32	ND	ND	ND	ND	ND	ND	ND	ND	1
SB2-10	211029-36	ND	ND	ND	ND	ND	ND	ND	ND	1
SB2-13	211029-37	ND	ND	ND	ND	ND	ND	ND	ND	1
SB3-10	211029-38	ND	ND	ND	ND	ND	ND	ND	ND	1
SB3-15	211029-39	ND	ND	ND	ND	ND	ND	ND	ND	1
Method Blank		ND	ND	ND	ND	ND	ND	ND	ND	1
MDL		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	
PQL		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	

COMMENTS
DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = PQL X DF
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = SUM OF THE PCB 1016, 1221, 1232, 1242, 1248, 1254 AND 1260
*** = THE CONCENTRATION EXCEEDS THE TTLC LIMIT OF 50, AND THE SAMPLE IS DEFINED AS HAZARDOUS WASTE, AS PER CCR-TITLE 22 (IF MARKED)

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8082 QA/QC Report

Matrix: **Soil/Solid/Sludge** Date Analyzed: **10/29/2021**

Unit: mg/Kg(PPM)

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 211028-25 MS/MSD

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
PCB (1016+1260)	0.000	0.100	0.125	**125%**	0.130	**130%**	**4%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
PCB (1016+1260)	0.100	0.112	**112%**	**75-125**

Surrogate Recovery	ACP%	ACP%	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	211028-2	211028-3	211028-4	211028-18	211028-19	211028-24
Tetra-chloro-meta-xylene	50-150	123%	122%	127%	125%	121%	124%	127%
Decachlorobiphenyl	50-150	127%	137%	123%	130%	127%	124%	137%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		211028-25	211028-30	211028-31	211028-33	211028-34	211028-35	211028-36
Tetra-chloro-meta-xylene	50-150	105%	134%	123%	122%	140%	123%	91%
Decachlorobiphenyl	50-150	110%	140%	116%	117%	146%	113%	67%

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		211029-31	211029-32	211029-36	211029-37	211029-38	211029-39	
Tetra-chloro-meta-xylene	50-150	111%	128%	103%	120%	124%	126%	
Decachlorobiphenyl	50-150	110%	66%	90%	106%	110%	123%	

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: Amy

Final Reviewer: _____

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau**
PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL
DATE EXTRACTED: 11/01-02/21
SAMPLING DATE: 10/28/21
DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN
DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB1-10**
LAB I.D.: 211029-31

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01-02/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB2-10** LAB I.D.: 211029-36

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

SAMPLE I.D.: **SB3-10** LAB I.D.: 211029-38

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: SOIL DATE EXTRACTED: 11/01-02/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/08/21

METHOD BLANK FOR LAB I.D.: 211029-31, -36, -38

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL	MDL	DF
2,4,5-T	ND	0.020	0.010	1
2,4,5-TP (Silvex)	ND	0.020	0.010	1
2,4-D	ND	0.200	0.100	1
2,4-DB	ND	0.200	0.100	1
Dalapon (Dichloroacetic Acid)	ND	0.500	0.250	1
Dicamba	ND	0.020	0.010	1
Dichloroprop	ND	0.200	0.100	1
Dinoseb (DNBP)	ND	0.100	0.050	1
MCPA	ND	20.0	10.0	1
MCPP	ND	20.0	10.0	1

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
Actual Detection Limit = PQL X DF
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
ND = Below the Actual Detection Limit or non-detected

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report

Analysis: EPA 8151A

Matrix: **Soil/Solid/Liquid** Date Analyzed: **11/2/2021**

Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 211029-47 MS/MSD

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	0.050	0.056	**113%**	0.055	**110%**	**3%**	**0-20%**	**50-150**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.050	0.045	**90%**	70-130
2,4,5-TP	0.050	0.059	**118%**	70-130
DINOSEB	0.250	0.296	**118%**	70-130

Surrogate Recovery:

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:		M-BLK	211029-47	211029-48	211029-49	211029-31	211029-36	211029-38	
DCAA	50-150	98%	136%	140%	79%	130%	147%	144%	

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:									
DCAA	50-150								

Analyte	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:									
DCAA	50-150								

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: Amy

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
(0) 1 Week (Standard) — circled
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH Full Scan (8015M)	Title 22 Metals	Semi-VOCs (8270)	PCBs (8082)	Chlorinated Herbicides (8151A)				HOLD	COMMENTS
SB1-5	211029-30	10/28/21	0846	soil	1	1x bt	ice									X	
SB1-10	-31		0849					X	X	X	X	X					
SB1-15	-32		0858					X	X	X	X						
SB1-20	-33		0907					X									
SB1-25	-34		0911					X									
SB1-30	-35		0917					X									
SB2-10	-36		1234					X	X	X	X	X					
SB2-13	-37		1244			8oz jar		X	X	X	X						
SB3-10	-38		1049			1x bt		X	X	X	X	X					
SB3-15	-39		1054					X	X	X	X						
SB3-20	-40		1102					X									
SB3-25	-41		1109					X									
SB3-30	-42		1113					X									
~~[illegible]~~			~~[illegible]~~	~~[illegible]~~		bt											

Analysis Required

Company Name: Leighton and Associates
Address: 10532 Acacia St Ste B6
City/State/Zip: Rancho Cucamonga, CA 91730

Project Contact: Rob Hansen
Tel: (909) 527-8782
Fax/Email: rhansen@leightongroup.com

Sampler's Signature: [signature]
Project Name/ID: Meridian West Campus Upper Plateau 13226.003

Relinquished by:	Received by:	Date & Time:
[signature]	[signature]	10/29/21 0846
[signature]	[signature]	10/29/21 0930

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 10/28/2021

WHITE WITH SAMPLE • YELLOW TO CLIENT

APPENDIX F

LABORATORY REPORT – LIQUID SAMPLE

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: November 5, 2021

Mr. Robert Hansen
Leighton & Associates, Inc.
10532 Acacia, Suite B-6
Rancho Cucamonga, CA 91730
Tel:(909)484-2205 E-Mail: RHansen@LeightonGroup.com

Project: **Meridian West Upper Plateau**
Project No.: **13226.003**
Lab I.D.: **211029-7**

Dear Mr. Hansen:

The **analytical results** for the liquid sample, received by our lab on October 29, 2021, are attached. The sample was received chilled, intact and with chain of custody record.

Trace concentrations between the MDL and the PQL have been reported with a "J" flag indicator.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manger

Andy Wang
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: LIQUID DATE RECEIVED: 10/29/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 10/29/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/05/21

pH ANALYSIS
METHOD: EPA 9040B
UNIT: pH UNITS

SAMPLE I.D.	LAB I.D.	pH RESULT
BLD2-Tank 1	211029-7	5.45

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766
Tel (909)590-5905 Fax (909)590-5907

Matrix: WATER/LIQUID

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/L					0.00%	0-20
Residual Chlorine	mg/L					0.00%	0-20
EC/SC	umhos/cm					0.00%	0-20
pH	pH units	10/29/2021	211029-7	5.45	5.47	0.37%	0-20
TDS	mg/L					0.00%	0-20
TSS	mg/L					0.00%	0-20
Turbidity	mg/L					0.00%	0-20
%Moisture	%					0.00%	0-20
DENSITY	ohms					0.00%	0-20
Settleable Solid	mL/L/hr					0.00%	0-20
Resistivity	ohms					0.00%	0-20
Carbon Dioxide	mg CO_2/L					0.00%	0-20

%RPD = Relative Percent Difference **ACP %RPD** = Acceptable Relative Percent Difference

Analysis	Units	Date Analyzed	Sample I.D.	Spk Conc	S.R.	ACP %RPD	ACP %RC	MS	MS %RC	MSD	MSD %RC	% RPD
Acidity	mg/L				0	0-20	80-120					
Ammonia as N	mg/L			5.00	0.00	0-20	80-120					
Chloride	mg/L			20.0	0.00	0-20	80-120					#VALUE!
COD	mg/L			500	0.0	0-20	80-120					#VALUE!
CR VI	mg/L			0.400	0.00	0-20	80-120					#VALUE!
Cyanide	mg/L			0.200	0.00	0-20	80-120					#VALUE!
Fluoride	mg/L			1.00	0.00	0-20	80-120					
MBAS	mg/L			0.600	0.00	0-20	80-120					
Nitrate as N	mg/L			0.400	0.00	0-20	80-120					#VALUE!
Nitrite as N	mg/L			0.400	0.00	0-20	80-120					#VALUE!
EPA 1664A	mg/L			20.0	0.0	0-20	80-120					#VALUE!
OIL & GREASE 413.2	mg/L			20.0	0.00	0-20	80-120					
Phenolics	mg/L			0.500	0.00	0-20	80-120					
Sulfate	mg/L			20.0	0.00	0-20	80-120					#VALUE!
Dissolved Sulfide	mg/L			0.300	0.00	0-20	80-120					#VALUE!
Total Sulfide	mg/L			0.300	0.00	0-20	80-120					
Formaldehyde	mg/L			0.50	0.00	0-20	80-120					#VALUE!

S.R. = Sample Results %RC = Percent Recovery **ACP %RC** = Acceptable Percent Recovery **Spk Conc** = Spike Concentration

Analyst Signature: _____ Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
MATRIX: LIQUID DATE RECEIVED: 10/29/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/03/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/05/21

TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH) ANALYSIS
METHOD: EPA 418.1
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

SAMPLE I.D.	LAB I.D.	TRPH RESULT	DF
BLD2-Tank 1	211029-7	921000	100
METHOD BLANK	---	ND	1
	MDL	0.5	
	PQL	1.0	

COMMENTS:
DF = Dilution Factor
MDL = Method Detection Limit
PQL = Practical Quantitation Limit
J = Trace Concentration between MDL and PQL
Actual Detection Limit = PQL X DF
ND = Below the Actual Detection Limit or non-detected
TRPH = Total Recoverable Petroleum Hydrocarbons

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766
Tel (909)590-5905 Fax (909)590-5907

Matrix: **SOLID/SLUDGE/LIQ**

QA/QC Report

Analysis	Units	Date Analyzed	Sample I.D.	S.R.	Duplicate	% RPD	ACP %RPD
Alkalinity	mg/Kg					0.0%	0-20
Residual Chlorine	mg/Kg					0.0%	0-20
Density	g/mL					0.00%	0-20
EC	umhos/cm					0.00%	0-20
pH	pH units					0.00%	0-20
TDS	mg/L					0.0%	0-20
TSS	mg/Kg					0.0%	0-20
Resistivity	ohms					0.0%	0-20
% MOISTURE	%					0.0%	0-20
BTU	BTU/lb					0.0%	0-20
Salinity	S					0.00%	0-20

%RPD = Relative Percent Difference **ACP %RPD** = Acceptable Relative Percent Difference

Analysis	Units	Date Analyzed	Sample I.D.	Spk Conc	S.R.	ACP %RPD	ACP %RC	MS	MS %RC	MSD	MSD %RC	% RPD
Acidity	mg/Kg					0	80-120					
Ammonia as N	mg/Kg			50.0	0.000	0-20	80-120					
MBAS	mg/Kg			6.00	0.0	0-20	80-120					
Chloride	mg/Kg			200	30.0	0-20	80-120					#VALUE!
COD	mg/Kg			500	0.0	0-20	80-120					
Cr VI	mg/Kg			4.0	0.000	0-20	80-120					#VALUE!
Cyanide	mg/Kg			10.0	0.000	0-20	80-120					#VALUE!
Fluoride	mg/Kg			10.0	1.660	0-20	80-120					#VALUE!
Nitrate as N	mg/Kg			4.0	0.00	0-20	80-120					#VALUE!
Nitrite as N	mg/Kg			4.0	0.00	0-20	80-120					#VALUE!
Oil and Grease	mg/Kg			667	0.0	0-20	80-120					#VALUE!
Phenolics	mg/Kg					0-20	80-120					#VALUE!
Sulfate	mg/Kg			200	10.2	0-20	80-120					#VALUE!
TOTAL Sulfide	mg/Kg			3.00	0.0	0-20	80-120					#VALUE!
TRPH	mg/Kg	11/3/2021	LCS1/2	667	0.0	0-20	80-120	685	103%	673	101%	1.8%
Sulfide, Dissolve	mg/Kg			3.00	0.0	0-20	80-120					#VALUE!
EPA 1664A	mg/Kg			500	0.0	0-20	80-120					

S.R. = Sample Results **%RC** = Percent Recovery **ACP %RC** = Accepted Percent Recovery

Analyst Signature: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **Leighton & Associates, Inc.**
10532 Acacia, Suite B-6, Rancho Cucamonga, CA 91730
Tel: (909) 484-2205 E-Mail: RHansen@LeightonGroup.com

PROJECT: **Meridian West Upper Plateau** PROJECT No.: **13226.003**
DATE RECEIVED: 10/29/21
MATRIX: LIQUID DATE EXTACTEDD: 11/02/21
SAMPLING DATE: 10/28/21 DATE ANALYZED: 11/02/21
REPORT TO: Mr. ROBERT HANSEN DATE REPORTED: 11/05/21

TOTAL PETROLEUM HYDROCARBONS (TPH) - CARBON CHAIN ANALYSIS
METHOD: EPA 8015B
UNIT: mg/Kg = MILLIGRAM PER KILOGRAM = PPM

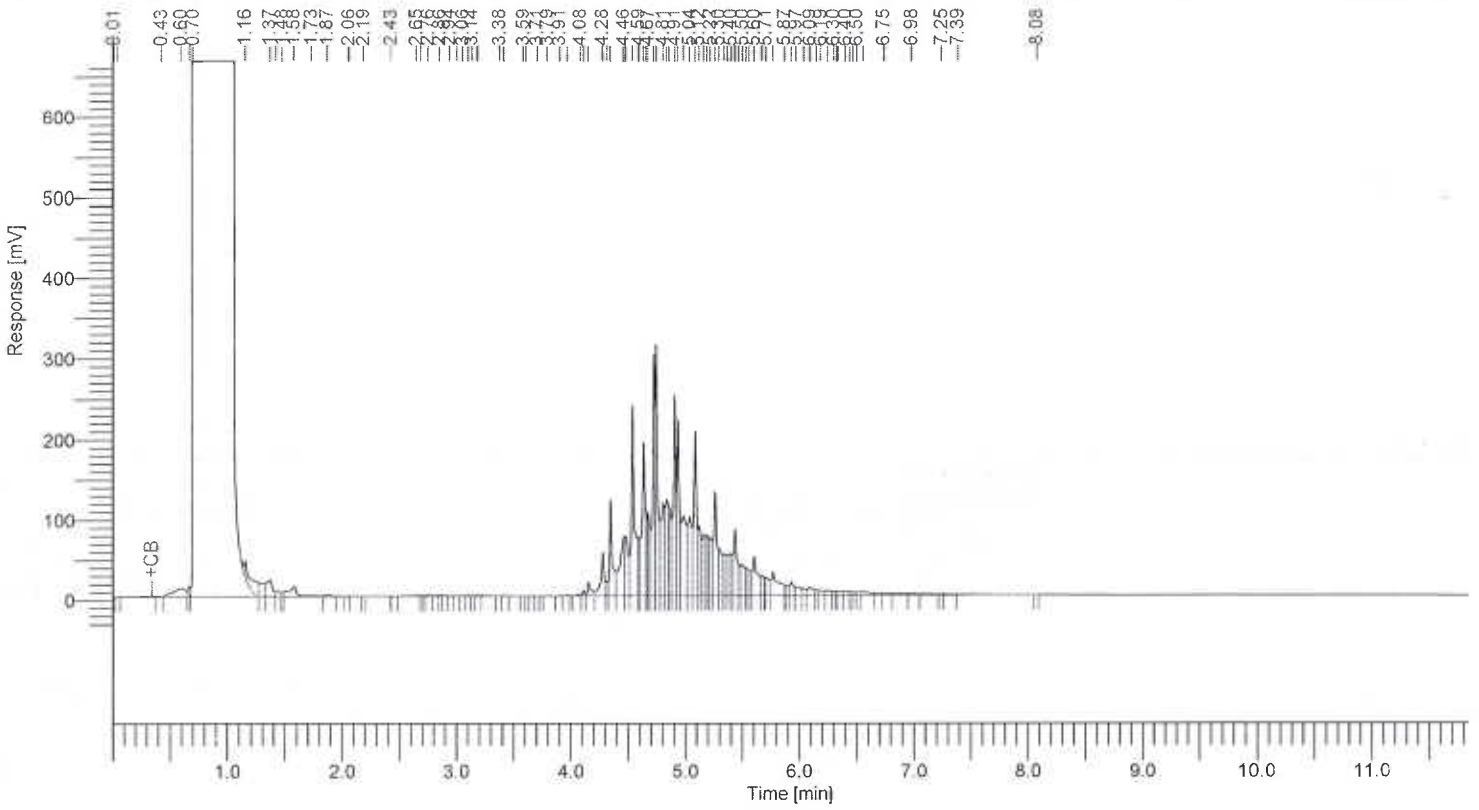
SAMPLE I.D.	LAB I.D.	C4-C10	C11-C22	C23-C35	DF
BLD2-Tank 1	211029-7	ND	607000 *	ND	50
METHOD BLANK		ND	ND	ND	1
	MDL	1000	1000	5000	
	PQL	2000	2000	10000	

COMMENTS
C4-C10 = GASOLINE RANGE
C11-C22 = DIESEL RANGE
C23-C35 = MOTOR OIL RANGE
DF = DILUTION FACTOR
MDL = METHOD DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL AND PQL
ACTUAL DETECTION LIMIT = DF X PQL
ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT
* = PEAKS IN DIESEL RANGE BUT CHROMATOGRAM DOES NOT MATCH THAT OF DIESEL STANDARD

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Software Version	: 6.3.4.0700	Date	: 11/3/2021 1:24:05 PM
Sample Name	: 211029-7 01/1000 RE	Data Acquisition Time	: 11/2/2021 9:46:44 AM
Instrument Name	: GC-I	Channel	: A
Rack/Vial	: 0/75	Operator	: Administrator
Sample Amount	: 1.000000	Dilution Factor	: 1.000000
Cycle	: 96		

Result File : E:\GC DATA\GC-I\I2021\I2111\I211101\A096.rst
Sequence File : E:\GC DATA\GC-I\I2021\I2111\I211101\I211101.seq



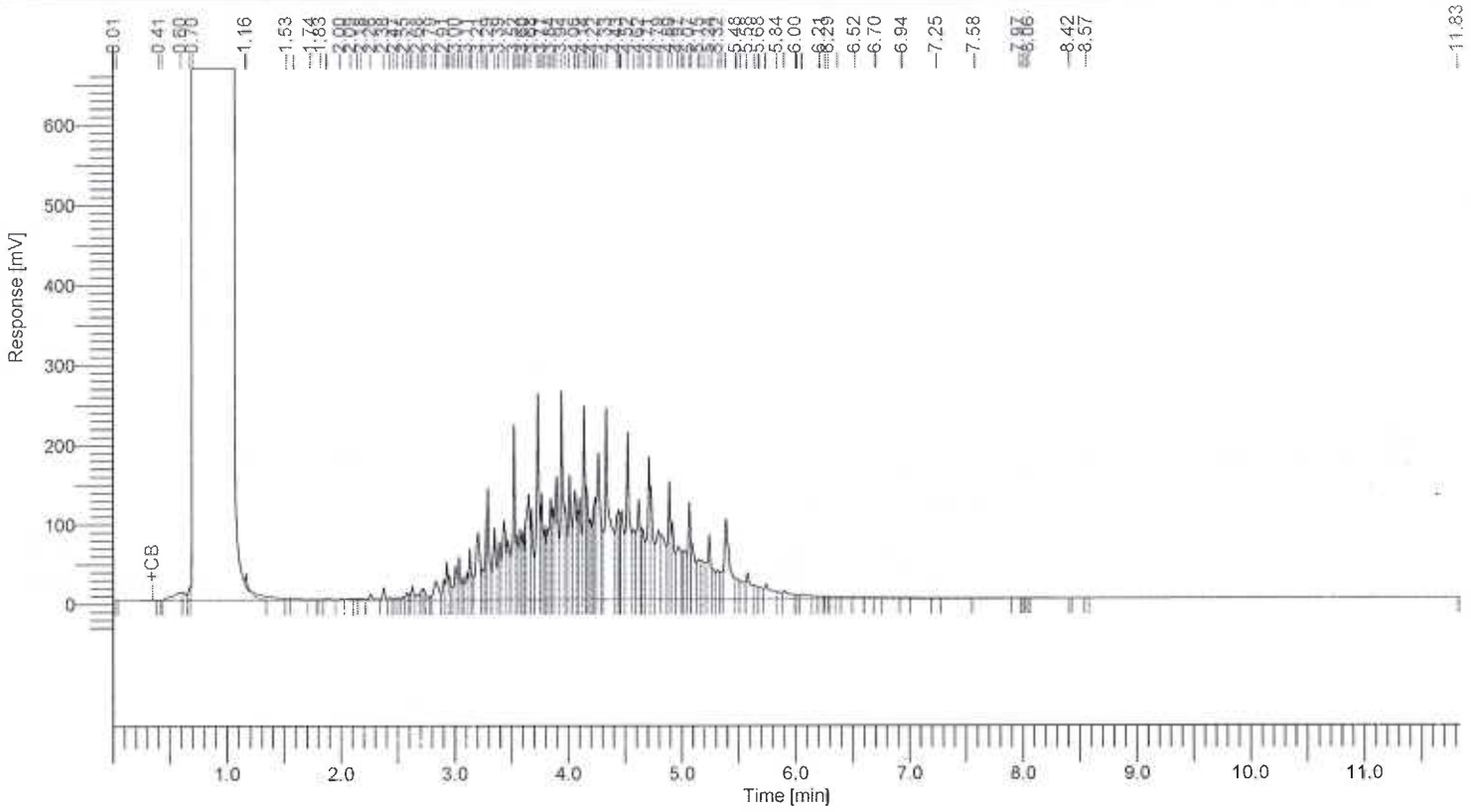
8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C4~C10	205879	48.1
C10~C28	7346490	606.8
C28~C35	34581	91.8
	7586949	746.7

Software Version : 6.3.4.0700
Sample Name : DIESEL CCV 2000 PPM (GC4049)
Instrument Name : GC-I
Rack/Vial : 0/84
Sample Amount : 1.000000
Cycle : 113

Date : 11/3/2021 1:23:55 PM
Data Acquisition Time : 11/2/2021 2:19:14 PM
Channel : A
Operator : Administrator
Dilution Factor : 1.000000

Result File : E:\GC DATA\GC-I\I2021\I2111\I211101\A113.rst
Sequence File : E:\GC DATA\GC-I\I2021\I2111\I211101\I211101.seq



8015 Results

Component Name	Area [uV*sec]	Adjusted Amount
C10-C28	12031469	2062.7
	12031469	2062.7

Enviro Chem, Inc

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

8015B QA/QC Report

Date Analyzed: 11/2/2021 **Units:** mg/Kg (ppm)

Matrix: Liquid

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 211102-LCS 1/2

Analyte	SR	spk conc	MS	%MS	MSD	%MSD	%RPD	ACP %MS	ACP RPD
C10~C28 Range	0	40000	44300	**111%**	44400	**111%**	**0%**	**75-125**	**0-20%**

LCS STD RECOVERY:

Analyte	spk conc	LCS	% REC	ACP
C10~C28 Range	40000	44100	**110%**	**75-125**

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE #1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

Misc./PO#

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	TPH Fuel Scan (8015M)	TRPH (418.1)	PH							COMMENTS
BLDZ-TANK 1	211029-7	10/28/21	1333	LIQUID	1-1L AMBER		ICE	X	X	X							PURE OIL PRODUCT

(Analysis Required)

Company Name: LEIGHTON CONSULTING INC
Address: 10532 ACACIA ST., # B-6
City/State/Zip: RANCHO CUCAMONGA, CA 91730

Project Contact: ROBERT HANSEN
Tel: (909) 527-8782
Fax/Email:

Sampler's Signature: [signature]
Project Name/ID: MERIDIAN EAST UPPER PLATEAU 13 [illegible]6.003

Relinquished by:	Received by:	Date & Time:
[signature]	[signature]	10/29/21 0840
[signature]	[signature]	10/29/21 0930

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date: 10/28/2021

WHITE WITH SAMPLE • YELLOW TO CLIENT

Page 1 of 1

APPENDIX G

GBA GEOENVIRONMENAL REPORT INFORMATION

Important Information about This

Geoenvironmental Report

Geoenvironmental studies are commissioned to gain information about environmental conditions on and beneath the surface of a site. The more comprehensive the study, the more reliable the assessment is likely to be. But remember: Any such assessment is to a greater or lesser extent based on professional opinions about conditions that cannot be seen or tested. Accordingly, no matter how many data are developed, risks created by unanticipated conditions will always remain. *Have realistic expectations.* Work with your geoenvironmental consultant to manage known and unknown risks. Part of that process should already have been accomplished, through the risk allocation provisions you and your geoenvironmental professional discussed and included in your contract's general terms and conditions. This document is intended to explain some of the concepts that may be included in your agreement, and to pass along information and suggestions to help you manage your risk.

Beware of Change; Keep Your Geoenvironmental Professional Advised

The design of a geoenvironmental study considers a variety of factors that are subject to change. Changes can undermine the applicability of a report's findings, conclusions, and recommendations. *Advise your geoenvironmental professional about any changes you become aware of.* Geoenvironmental professionals cannot accept responsibility or liability for problems that occur because a report fails to consider conditions that did not exist when the study was designed. Ask your geoenvironmental professional about the types of changes you should be particularly alert to. Some of the most common include:

- modification of the proposed development or ownership group,
- sale or other property transfer,
- replacement of or additions to the financing entity,
- amendment of existing regulations or introduction of new ones, or
- changes in the use or condition of adjacent property.

Should you become aware of any change, *do not rely on a geoenvironmental report.* Advise your geoenvironmental professional immediately; follow the professional's advice.

Recognize the Impact of Time

A geoenvironmental professional's findings, recommendations, and conclusions cannot remain valid indefinitely. The more time that passes, the more likely it is that important latent changes will occur. *Do not rely on a geoenvironmental report if too much time has elapsed since it was completed.* Ask your environmental professional to define "too much time." In the case of Phase I Environmental Site Assessments (ESAs), for example, more than 180 days after submission is generally considered "too much."

Prepare To Deal with Unanticipated Conditions

The findings, recommendations, and conclusions of a Phase I ESA report typically are based on a review of historical information, interviews, a site "walkover," and other forms of noninvasive research. When site subsurface conditions are not sampled in any way, the risk of unanticipated conditions is higher than it would otherwise be.

While borings, installation of monitoring wells, and similar invasive test methods can help reduce the risk of unanticipated conditions, *do not overvalue the effectiveness of testing.* Testing provides information about actual conditions only at the precise locations where samples are taken, and only when they are taken. Your geoenvironmental

professional has applied that specific information to develop a general opinion about environmental conditions. *Actual conditions in areas not sampled may differ (sometimes sharply) from those predicted in a report.* For example, a site may contain an unregistered underground storage tank that shows no surface trace of its existence. *Even conditions in areas that were tested can change*, sometimes suddenly, due to any number of events, not the least of which include occurrences at adjacent sites. Recognize, too, that *even some conditions in tested areas may go undiscovered,* because the tests or analytical methods used were designed to detect only those conditions assumed to exist.

Manage your risks by retaining your geoenvironmental professional to work with you as the project proceeds. Establish a contingency fund or other means to enable your geoenvironmental professional to respond rapidly, in order to limit the impact of unforeseen conditions. And to help prevent any misunderstanding, identify those empowered to authorize changes and the administrative procedures that should be followed.

Do Not Permit Any Other Party To Rely on the Report

Geoenvironmental professionals design their studies and prepare their reports to meet the specific needs of the clients who retain them, in light of the risk management methods that the client and geoenvironmental professional agree to, and the statutory, regulatory, or other requirements that apply. The study designed for a developer may differ sharply from one designed for a lender, insurer, public agency...or even another developer. *Unless the report specifically states otherwise, it was developed for you and only you.* Do not unilaterally permit any other party to rely on it. The report and the study underlying it may not be adequate for another party's needs, and you could be held liable for shortcomings your geoenvironmental professional was powerless to prevent or anticipate. Inform your geoenvironmental professional when you know or expect that someone else—a third-party—will want to use or rely on the report. *Do not permit third-party use or reliance until you first confer with the geoenvironmental professional who prepared the report.* Additional testing, analysis, or study may be required and, in any event, appropriate terms and conditions should be agreed to so both you and your geoenvironmental professional are protected from third-party risks. *Any party who relies on a geoenvironmental report without the express written permission of the professional who prepared it and the client for whom it was prepared may be solely liable for any problems that arise.*

Avoid Misinterpretation of the Report

Design professionals and other parties may want to rely on the report in developing plans and specifications. They need to be advised, in writing, that their needs may not have been considered when the study's scope was developed, and, even if their needs were considered, they might misinterpret geoenvironmental findings, conclusions, and recommendations. *Commission your geoenvironmental professional to explain pertinent elements of the report to others who are permitted to rely on it, and to review any plans, specifications or other instruments of professional service that incorporate any of the report's findings, conclusions, or recommendations.* Your geoenvironmental professional has the best understanding of the issues involved, including the fundamental assumptions that underpinned the study's scope.

Give Contractors Access to the Report

Reduce the risk of delays, claims, and disputes by giving contractors access to the full report, *providing that it is accompanied by a letter of transmittal that can protect you* by making it unquestionably clear that: 1) the study was not conducted and the report was not prepared for purposes of bid development, and 2) the findings, conclusions, and recommendations included in the report are based on a variety of opinions, inferences, and assumptions and are subject to interpretation. Use the letter to also advise contractors to consult with your geoenvironmental professional to obtain clarifications, interpretations, and guidance (a fee may be required for this service), and that—in any event—they should conduct additional studies to obtain the specific type and extent of information each prefers for preparing a bid or cost estimate. Providing access to the full report, with the appropriate caveats, helps prevent formation of adversarial attitudes and claims of concealed or differing conditions. If a contractor elects to ignore the warnings and advice in the letter of transmittal, it would do so at its own risk. Your geoenvironmental professional should be able to help you prepare an effective letter.

Do Not Separate Documentation from the Report

Geoenvironmental reports often include supplemental documentation, such as maps and copies of regulatory files, permits, registrations, citations, and correspondence with regulatory agencies. If subsurface explorations were performed, the report may contain final boring logs and copies of laboratory data. If remediation activities occurred on site, the report may include: copies of daily field reports; waste manifests; and information about the disturbance of subsurface materials, the type and thickness of any fill placed on site, and fill placement practices, among other types of documentation. *Do not separate supplemental documentation from the report. Do not, and do not permit any other party to redraw or modify any of the supplemental documentation for incorporation into other professionals' instruments of service.*

Understand the Role of Standards

Unless they are incorporated into statutes or regulations, standard practices and standard guides developed by the American Society for Testing and Materials (ASTM) and other recognized standards-developing organizations (SDOs) are little more than aspirational methods agreed to by a consensus of a committee. The committees that develop standards may not comprise those best-qualified to establish methods and, no matter what, no standard method can possibly consider the infinite client- and project-specific variables that fly in the face of the theoretical "standard conditions" to which standard practices and standard guides apply. In fact, these variables can be so pronounced that geoenvironmental professionals who comply with every directive of an ASTM or other standard procedure could run afoul of local custom and practice, thus violating the standard of care. Accordingly, when geoenvironmental professionals indicate in their reports that they have performed a service "in general compliance" with one standard or another, it means they have applied professional judgement in creating and implementing a scope of service designed for the specific client and project involved, and which follows some of the general precepts laid out in the referenced standard. To the extent that a report indicates "general compliance" with a standard, you may wish to speak with your geoenvironmental professional to learn more about what was and was not done. *Do not assume a given standard was followed to the letter.* Research indicates that that seldom is the case.

Realize That Recommendations May Not Be Final

The technical recommendations included in a geoenvironmental report are based on assumptions about actual conditions, and so are preliminary or tentative. Final recommendations can be prepared only by observing actual conditions as they are exposed. For that reason, you should retain the geoenvironmental professional of record to observe construction and/or remediation activities on site, to permit rapid response to unanticipated conditions. *The geoenvironmental professional who prepared the report cannot assume responsibility or liability for the report's recommendations if that professional is not retained to observe relevant site operations.*

Understand That Geotechnical Issues Have Not Been Addressed

Unless geotechnical engineering was specifically included in the scope of professional service, a report is not likely to relate any findings, conclusions, or recommendations about the suitability of subsurface materials for construction purposes, especially when site remediation has been accomplished through the removal, replacement, encapsulation, or chemical treatment of on-site soils. The equipment, techniques, and testing used by geotechnical engineers differ markedly from those used by geoenvironmental professionals; their education, training, and experience are also significantly different. If you plan to build on the subject site, but have not yet had a geotechnical engineering study conducted, your geoenvironmental professional should be able to provide guidance about the next steps you should take. The same firm may provide the services you need.

Read Responsibility Provisions Closely

Geoenvironmental studies cannot be exact; they are based on professional judgement and opinion. Nonetheless, some clients, contractors, and others assume geoenvironmental reports are or certainly should be unerringly precise. Such assumptions have created unrealistic expectations that have led to wholly unwarranted claims and disputes. To help prevent such problems, geoenvironmental professionals have developed a number of report provisions and contract terms that explain who is responsible for what, and how risks are to be allocated. Some people mistake these for "exculpatory clauses," that is, provisions whose purpose is to transfer one party's rightful responsibilities and liabilities to someone else. Read the responsibility provisions included in a report and in the contract you and your geoenvironmental professional agreed to. *Responsibility provisions are not "boilerplate."* They are important.

Rely on Your Geoenvironmental Professional for Additional Assistance

Membership in the Geoprofessional Business Association exposes geoenvironmental professionals to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a geoenvironmental project. Confer with your GBA-member geoenvironmental professional for more information.

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