Appendix A

Biological Resources Technical Report

FINAL Biological Resources Technical Report
F.E. Weymouth Water Treatment Plant and La Verne Site Improvements Program
City of La Verne, Los Angeles County, California




Prepared For: Rincon Consultants, Inc.
250 East 1st Street, Suite 1400
Los Angeles, California 90012

Report Date: October 2022

BARGAS

Sacramento Orange Pasadena San Bernardino San Diego Temecula New York
www.Bargas.com

Project Team

Report Author(s):	Dustin Baumbach, Krystal Pulsipher
Field Surveyor(s):	Brian Rawles, Greg Garcia
GIS:	David Duncan
Project Manager:	Dustin Baumbach
Principal in Charge:	Marcus England
Technical Review:	Marcus England

Recommended Citation: Bargas. 2022. Biological Resources Technical Report – F.E. Weymouth Water Treatment Plant and La Verne Site Improvements Program, City of La Verne, Los Angeles County, California. Prepared for Rincon Consultants, Inc. September 2022.

Table of Contents

List of Figures

List of Exhibits

Appendices

A. Floral & Faunal Compendia

B. Special Status Biological Resource Summary

C. Site Photographs

1 Introduction

Bargas Environmental Consulting, LLC (Bargas) prepared this Biological Resources Technical Report (hereafter, **Report**) on behalf of Rincon Consultants, Inc. The F.E. Weymouth Water Treatment Plant and La Verne Site Improvements Program (proposed **Program**) consists of four improvement projects and two new construction projects. This Report discusses the potential biological effects of the proposed Program consistent with the California Environmental Quality Act (CEQA).

1.1 Program Location

The proposed Program is located at the F.E. Weymouth Water Treatment Plant (**Weymouth Plant**) at 700 Moreno Avenue in the City of La Verne, Los Angeles County, California. It is bounded by Wheeler Avenue to the east, residential homes on 5th Street and Highland Drive to the south, Sedalia Avenue, E. Gladstone Street, and Moreno Avenue to the west, and residential homes on Vera Cruz Street and Ancona Drive to the north. The proposed Program site also includes an off-site portion of the railroad tracks located near the southeast corner of the Weymouth Plant, parallel to Wheeler Avenue, and southbound towards Arrow Highway. The Weymouth Plant is owned by the Metropolitan Water District of Southern California (**Metropolitan**) and includes various structures and facilities related to drinking water treatment, research, and infrastructure installation. The railroad tracks outside of the Weymouth Plant are located primarily within Metropolitan fee property with the exception of its five intersection street crossings and its connection with the broader Burlington Northern Santa Fe railroad network. The location of the proposed Program site is shown in **Exhibit 1**.

1.2 Program Description

The proposed Program consists of four improvement projects and two new construction projects, each of which is described briefly in the following subsections. The proposed location of each project is shown in **Figure 1**.

1.2.1 Water Quality Laboratory Building Improvements

The Water Quality Laboratory Building Improvements project consists of retrofitting the existing 60,000-square-foot Water Quality Laboratory Building. The retrofits include seismic upgrades, functional space improvements, utility upgrades, and installation of new lab equipment. The project also includes expanding the existing building by approximately 30,000 square feet for new laboratory spaces, and offices and conference rooms. In addition, the parking, hardscaping, and landscaping associated with this building would be re-done.

1.2.2 Administration and Control Building Seismic Upgrade and Building Improvements

The Administration and Control Buildings Seismic Upgrade and Building Improvements project consists of structurally strengthening and retrofitting the existing main lateral resisting system to meet American Society of Civil Engineers Standard 41-13 (Seismic Evaluation and Retrofit of Existing Buildings), enhancing building functionality (such as reconfiguring office spaces and conference rooms), adding Americans with Disabilities Act (ADA) accessible restrooms and showers, and re-locating the breakroom. The project also includes architectural, mechanical, electrical, and plumbing improvements required by code.

Figure 1. Project Components. Source: Rincon Consultants, Inc.

1.2.3 Water Treatment Chemical Delivery Railroad Tracks Replacement

The Water Treatment Chemical Delivery Railroad Tracks Replacement project consists of replacing the railroad tracks and associated components that are used to deliver chlorine to the Weymouth Plant. The replacement tracks would be installed in the same footprint as the existing tracks. The railroad tracks would comply with Burlington Northern Santa Fe standards and design requirements.

1.2.4 Basin Nos. 1 and 2 Rehabilitation

The Basin Nos. 1 and 2 Rehabilitation project consists of replacing existing internal operational components within Basin Nos. 1 and 2. Rehabilitation may include the replacement of drop gates and gate guides, baffle walls and paddle wheel boards, and flocculator drive shaft assemblage as well as refurbishment of launder troughs, sludge rake mechanisms, and drive assemblage. Alternatively, Basin Nos. 1 and 2 may be converted in their entirety to match the newer basin layout and design of Basin Nos. 5 through 8.

1.2.5 New La Verne Warehouse Facilities

The New La Verne Warehouse Facilities project involves the demolition of existing Warehouse Buildings 30 and 31 and construction of a new reinforced concrete tilt-up warehouse and a new loading dock. The new warehouse building and loading dock would be up to 60,000 square feet in size with approximately 30,000 additional square feet of outdoor canopy storage space. The new warehouse building would include conference rooms and offices, ADA-compliant restrooms, and a breakroom. The outdoor canopy storage space would be utilized for valves, pipes, materials, supplies, and equipment related to Metropolitan operations. The project would also include upgrading Central Stores Annex Building 32A and General Store Building 33. The proposed upgrades would include new building foundations, insulation, rooftops, and walls. Additionally, the inactive southern rail line spur would be removed.

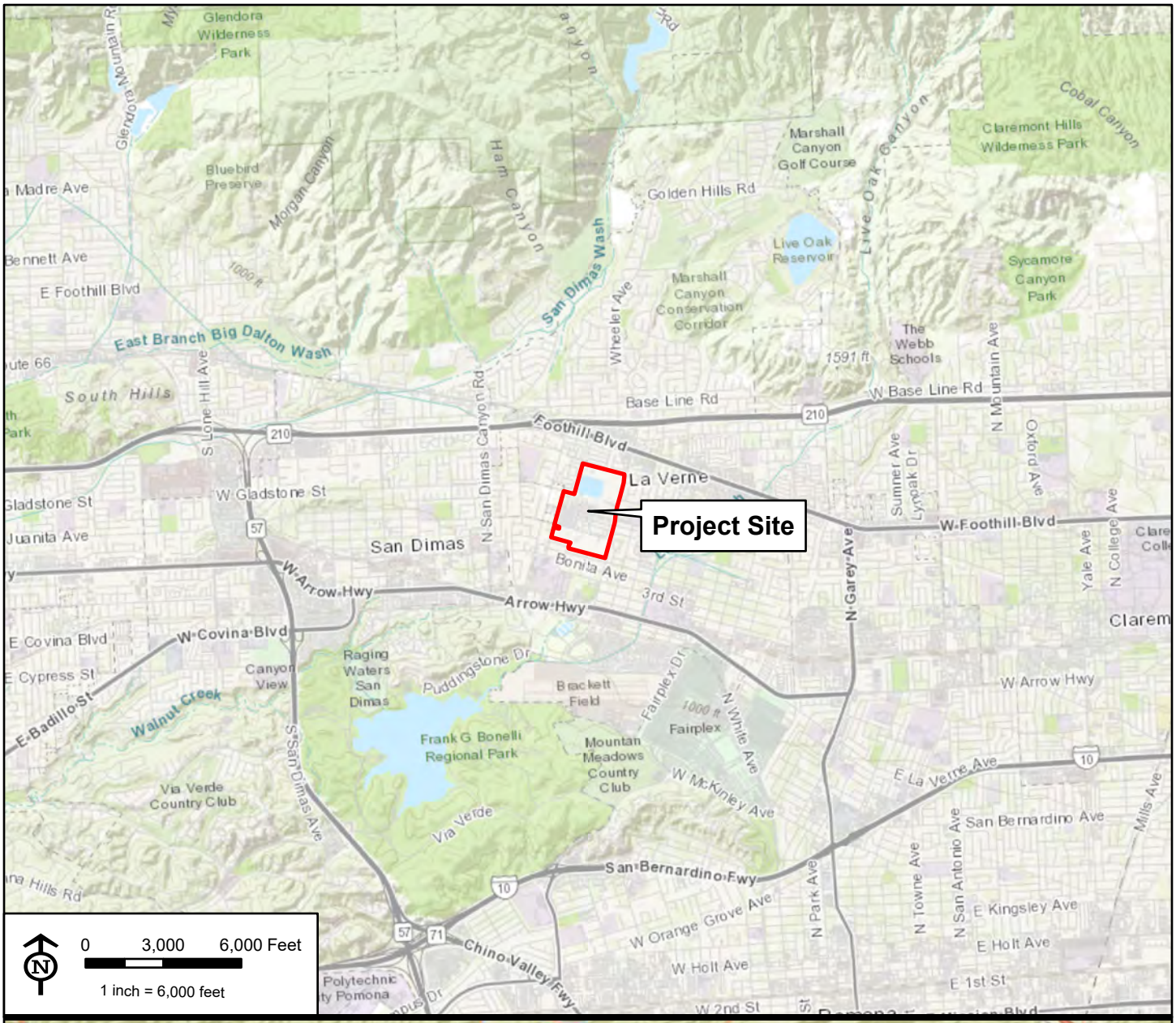
1.2.6 New Field Engineering Building

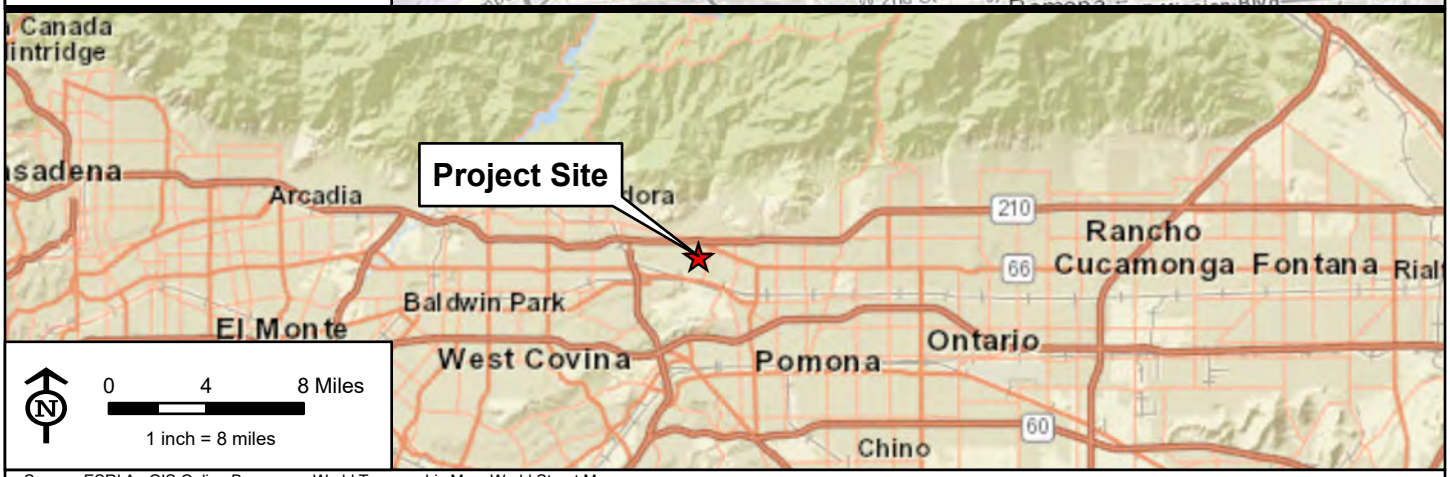
The New Field Engineering Building project consists of construction of a new field engineering building just south of the existing field engineering building. The existing engineering building may be repurposed for storage or other non-occupancy use. The new engineering building would be approximately 35,000 square feet and would include conference rooms and offices, lunchroom, ADA-compliant restrooms, and testing laboratories (e.g., soils, concrete, coatings).

1.3 Definitions

This report will use the following definitions for areas referred to herein:

- **Program site:** The proposed Program site is defined as the 150.97 acres being analyzed for Program implementation.
- **Biological Study Area:** The Biological Study Area (BSA) is defined as the Program site and a 250-foot buffer. This is the area within which biological resources were fully analyzed **(Exhibit 2).**
- **Regional Study Area:** The Regional Study Area (RSA) is defined as the Program site and a five-mile buffer. The Regional Study Area was used as the basis for determining special status biological resource records for consideration in this Report.





Source: ESRI ArcGIS Online Basemap - World Topographic Map, World Street Map

BARGAS Environmental Consulting

Public Land Survey System (PLSS):
Mount Diablo Meridian,Township 1S, Range 9W, Section 01

USGS Quad(s): San Dimas (1954)

Watershed: Walnut Creek (1807010604)

Project Site Coordinates: -117.781°W 34.11°N

Exhibit 1
Project Site and Vicinity

MWD Weymouth Master Plan

Map Created: 8/5/2022, Map Revised: N/A, Bargas Project Number: 1386-21

Source: Bing Maps Hybrid

0 500 1,000 Feet

1 inch = 1000 feet

BARGAS Environmental Consulting

Project Site

Biological Study Area (242.00-Acres)

Exhibit 2
Biological Study Area

MWD Weymouth Master Plan

Map Created: 8/5/2022, Map Revised: n/a, Bargas Project Number: 1386-21

2 Regulatory Setting

2.1 Federal

2.1.1 Federal Endangered Species Act

The Federal Endangered Species Act (FESA) is the federal government's law protecting rare and declining plant and wildlife species. FESA is jointly implemented by the United States Fish and Wildlife Service (USFWS) and the National Marine Fisheries Service (NMFS, marine resources only). FESA protects species using the following status designations:

- A federally **endangered** species is a species of invertebrate, plant, or wildlife formally listed by the USFWS under FESA as facing extinction throughout all or a significant portion of its geographic range.
- A federally **threatened** species is one formally listed by the USFWS as likely to become endangered within the foreseeable future throughout all or a significant portion of its range.
- A **proposed** threatened or endangered species is one officially proposed by the USFWS for addition to the federal threatened or endangered species lists.
- **Candidate** species are "plants and animals for which the USFWS has sufficient information on their biological status and threats to propose them as endangered or threatened under FESA, but for which development of a proposed listing regulation is precluded by other higher priority listing activities" (USFWS 2017).

"Take" of a federally endangered or threatened species or its habitat is prohibited by federal law without a special permit. The term "take," under FESA, means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in such conduct. "Harm" is defined by the USFWS to encompass "an act which actually kills or injures wildlife. Such an act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering" (50 Code of Federal Regulations § 17.3).

Section 10(a)(1)(B) of the FESA allows for take of a threatened or endangered species incidental to development activities once a Habitat Conservation Plan (HCP) has been prepared to the satisfaction of the USFWS and a Section 10(a) incidental take permit has been issued to an applicant. For federal projects (including those involving federal funding), Section 7 of the FESA allows for consultation between the affected agency and the USFWS to determine what measures may be necessary to compensate for the incidental take of a listed species. A federal project is any project that is proposed by a federal agency or is at least partially funded or authorized by a federal agency. Additionally, if the listed species or its habitat occurs in a portion of the project site subject to federal jurisdiction (such as Waters of the United States by the United States Army Corps of Engineers [USACE] under Section 404 of the Clean Water Act [CWA]), then consultation under Section 7 of the FESA is usually permissible and may be required.

FESA also requires the USFWS to consider whether there are areas of habitat essential to conservation for each listed species. **Critical habitat** designations protect these areas, including habitat that is currently unoccupied but may be essential to the recovery of a species. An area is designated as critical habitat after the USFWS publishes

a proposed federal regulation in the Federal Register and then receives and considers public comments on the proposal. The final boundaries of critical habitat are officially designated when published in the Federal Register.

2.1.2 Migratory Bird Treaty Act

The Migratory Bird Treaty Act of 1918 (MBTA) is a federal law governing the taking, killing, possession, transportation, and importation of various birds, their eggs, parts, and nests. The take of any number of a bird species listed as protected on any one of four treaty lists is governed by the MBTA's regulation of taking migratory birds for educational, scientific, and recreational purposes and requiring harvest to be limited to levels that prevent over utilization. The MBTA also prohibits take, possession, import, export, transport, selling, purchase, barter, or offering for sale, purchase or barter, of certain bird species, their eggs, parts, and nests, except as authorized under a valid permit (50 Code of Federal Regulations § 21.11).

2.1.3 Clean Water Act of the United States

The regulatory setting with regard to aquatic resources is framed by current enabling legislation and case law. Under Section 404 of the CWA, the USACE regulates the discharge of dredged and fill materials into “waters of the U.S.”

The United States Environmental Protection Agency (USEPA) published a revised definition of "waters of the United States" on December 7, 2021, in response to the U.S. District Court of the District of Arizona ruling resulting in "vacating and remanding" the Navigable Waters Protection Rule (86 Federal Register 69372). This revised definition is consistent with the pre-2015 regulations based upon the Supreme Court cases of *Rapanos vs. United States* and *Carabell vs. United States* (USEPA and USACE 2008), which regulate traditional navigable waters (TNW) and the following types of features determined to have "significant nexus" to a TNW:

1. wetlands adjacent to TNWs
2. non-navigable tributaries of TNWs that are relatively permanent where the tributaries typically flow year-round or have continuous flow at least seasonally
3. wetlands that directly abut non-navigable tributaries of TNWs

On April 6, 2022, the U.S. Supreme Court voted to re-instate portions of the previous administration’s USEPA – Clean Water Act wetland regulations criteria.

Waters of the U.S. may be sorted into two broader categories of waters: wetlands and non-wetland waters, which are defined in the following subsections. Projects that place fill in jurisdictional wetlands and non-wetland waters of the U.S. require a permit from the USACE under Section 404 of the CWA. The USACE issues nationwide permits for specific types of activities with minimal individual or cumulative adverse environmental impacts. Individual permits are required for large and/or complex projects or projects that exceed the impact threshold for nationwide permits.

2.1.3.1 Wetlands

Wetlands are defined under 33 Code of Federal Regulations § 328.3(c)(16) as:

> *Those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically*

> *adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.*

In order for an area to be considered a wetland under Section 404, it must possess three wetland characteristics: hydrophytic vegetation, hydric soils, and wetland hydrology. Several indicators may be analyzed to determine if the criteria are satisfied.

2.1.3.2 Non-wetland Waters

Tributary non-tidal waters that may be regulated by the USACE extend to the Ordinary High Water Mark (OHWM), which is defined under 33 Code of Federal Regulations § 328.3(c)(7) as:

> *That line on the shore established by the fluctuations of water and indicated by physical characteristics such as clear, natural line impresses on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas.*

2.2 State of California

2.2.1 California Endangered Species Act

The California Endangered Species Act (CESA) establishes the policy of the state to conserve, protect, restore, and enhance threatened or endangered species and their habitats. Under CESA, CDFW is responsible for maintaining a list of rare, threatened, and endangered species designated under state law (California Fish and Game Code § 2070-2079). CDFW also maintains lists of candidate species, species of special concern (SSC), and fully-protected species. Candidate species are those taxa that have been formally recognized by the CDFW and are under review for addition to the state threatened and endangered list. SSC are those taxa that are considered sensitive, and this list serves as a "watch list." CESA is administered by CDFW and prohibits the take of any species that the California Fish and Game Commission determines to be a threatened or endangered species. CESA also mandates that "state agencies should not approve projects as proposed which would jeopardize the continued existence of any endangered species or threatened species" if reasonable and prudent alternatives are available that would avoid jeopardy. CDFW administers CESA and authorizes take through California Fish and Game Code Section 2081 Incidental Take Permits or through Section 2080.1 (for species also listed under FESA, consistency determination with a USFWS Biological Opinion).

2.2.2 California Fish and Game Code

2.2.2.1 Section 1600 et seq. – Lake and Streambed Alteration Agreement

California Fish and Game Code § 1600 provides provisions for protecting riparian systems, including the bed, banks, and riparian habitat of lakes, seasonal and perennial streams, and rivers. This section requires an applicant to notify CDFW and obtain a Lake and Streambed Alteration Agreement (LSAA) if their project would divert or obstruct the natural flow of any river, stream, or lake; change the bed, channel, or bank of any river, stream, or lake; use material from any river, stream, or lake; or deposit or dispose of material into any river, stream, or lake.

2.2.2.2 Section 3511 – Fully Protected Species

The legislature of the State of California designated certain species as "fully protected" prior to the creation of CESA. California Fish and Game Code § 3511 states that "fully protected" birds or parts thereof may not be taken

or possessed at any time. Lists of fully protected species were initially developed to provide protection to those animals that were rare or faced possible extinction and included fish, mammals, amphibians and reptiles, and birds. Most fully protected species have since been listed as threatened or endangered under CESA and/or FESA.

2.2.2.3 Sections 3503, 3503.5, 3505, 3513 - Birds

California Fish and Game Code § 3503, 3503.5, 3505, and 3513 protect all birds, birds of prey, and all nongame birds, as well as their eggs and nests, for species that are not already listed as fully protected and that occur naturally within the state. California Fish and Game Code § 3503 and 3503.5 stipulate the following regarding eggs and nests: Section 3503 states that it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by the California Fish and Game Code or any regulation made pursuant thereto, and Section 3503.5 states that is it unlawful to take, possess, or destroy any birds in the orders Falconiformes or Strigiformes (birds-of-prey) or to take, possess, or destroy the nest or eggs of any such bird except as otherwise provided by the California Fish and Game Code or any regulation adopted pursuant thereto. California Fish and Game Code § 3513 states that it is unlawful to take or possess any migratory nongame bird as designated in the MBTA or any part of such migratory nongame bird except as provided by rules and regulations adopted by the Secretary of the Interior under provisions of the MBTA.

2.2.3 California Native Plant Protection Act

The California Native Plant Protection Act of 1977 (California Fish and Game Code § 1900-1913) affords the California Fish and Game Commission the authority to designate native plants as endangered or rare and protect them from “take.” The California Native Plant Society (CNPS) maintains a list of sensitive plant species native to California and assigns each a rank in the California Rare Plant Rank (CRPR) system defined below:

- List 1A: Plants presumed extirpated in California and either rare or extinct elsewhere;
- List 1B: Plants are rare, threatened, or endangered in California and elsewhere;
- List 2A: Plants presumed extirpated in California, but more common elsewhere;
- List 2B: Plant are rare, threatened, or endangered in California, but more common elsewhere;
- List 3: Plants about which more information is needed (on a review list);
- List 4: Plants of limited distribution (on a watch list).

Each list is further defined as described below:

- 0.1: Seriously threatened in California, meaning there is a high degree (over 80% of occurrences) and immediacy of threat;
- 0.2: Moderately threatened in California, meaning there is a moderate degree (20-80% of occurrences) and immediacy of threat;
- 0.3: Not very threatened in California, meaning there is a low degree (less than 20% of occurrences) and immediacy of threat.

All plants on Lists 1 and 2 meet the criteria for “endangered” or “rare” species under *State CEQA Guidelines* § 15380. CNPS recommends that plants on Lists 3 and 4 be considered for evaluation under CEQA.

2.2.4 CDFW Special Status Species

The CDFW maintains lists of special status species that are protected under CEQA. These lists include the Special Vascular Plants, Bryophytes, and Lichens List and the Special Animals List.

2.2.4.1 CDFW Special Vascular Plants, Bryophytes, and Lichens List

Special plants include:

- Taxa listed under FESA or CESA as Endangered, Threatened, or Rare;
- A candidate for state or federal listing as Endangered, Threatened, or Rare;
- Taxa listed in the CNPS's Inventory of Rare and Endangered Plants (IREP) of California;
- Taxa which meet the criteria for listing, even if not currently included on any list, as described in Section 15380 of the *State CEQA Guidelines*; these taxa may indicate "None" under listing status, but note that all CRPR Lists 1 and 2 and some CRPR Lists 3 and 4 plants may fall under Section 15380 of the *State CEQA Guidelines*;
- Taxa that are biologically rare, very restricted in distribution, or declining throughout their range but not currently threatened with extirpation;
- Taxa listed as a Bureau of Land Management, USFWS, or U.S. Forest Service Sensitive Species;
- Population(s) in California that may be peripheral to the major portion of a taxon's range but are threatened with extirpation in California; and
- Taxa closely associated with a habitat that is declining in California at a significant rate (e.g., wetlands, riparian, vernal pools, old-growth forests, desert aquatic systems, native grasslands, valley shrubland habitats).

2.2.4.2 CDFW Special Animals List

"Special Animals" is a broad term used to refer to all the animal taxa tracked by CDFW's California Natural Diversity Database (CNDDB), regardless of their legal or protection status. This list is also referred to as the list of "species at risk" or "special status species." CDFW considers the taxa on this list to be those of greatest conservation need.

Special animals include:

- Taxa listed or proposed for listing under FESA and/or CESA;
- Taxa considered by CDFW to be an SSC;
- Taxa which meet the criteria for listing, even if not currently included on any list, as described in Section 15380 of the *State CEQA Guidelines*;
- Taxa that are biologically rare, very restricted in distribution, or declining throughout their range but not currently threatened with extirpation;
- Population(s) in California that may be peripheral to the major portion of a taxon's range but are threatened with extirpation in California;

- Taxa closely associated with a habitat that is declining in California at a significant rate (e.g., wetlands, riparian, vernal pools, old-growth forests, desert aquatic systems, native grasslands, valley shrubland habitats, etc.);
- Taxa designated as a special status, sensitive, or declining species by other state or federal agencies or a non-governmental organization and determined by the CNDDB to be rare, restricted, declining, or threatened across their range in California.

2.2.5 Sensitive Natural Communities

Several natural vegetation communities and habitats have been classified as sensitive under CEQA and other applicable laws and regulations. They are defined by CDFW and CNPS as meeting one or more of the following criteria:

- Areas of special aquatic biological significance as identified by the State Water Resources Control Board (SWRCB);
- Areas that provide habitat for locally unique biotic species/communities;
- Areas which provide habitat for SSC as listed by CDFW in the Special Animals List and CNDDB;
- Areas which provide essential habitat, or are adjacent to essential habitat, for rare or endangered species which meet the definition of Section 15380 of *the State CEQA Guidelines* or designated by the California Fish and Game Commission, USFWS, or CNPS;
- Nearshore reefs, rocky intertidal areas, sea caves, islets, offshore rocks, kelp beds, marine mammal hauling grounds, sandy beaches, shorebird roosting, resting and nesting areas, cliff-nesting areas and marine, wildlife or educational/research reserves;
- Dune plant habitats;
- All lakes, wetlands, estuaries, lagoons, streams, and rivers; and
- Riparian corridors.

Non-sensitive vegetation communities are those communities that are not afforded special protection under CEQA or other state, federal and local laws, regulations, and ordinances. However, they may still provide suitable habitats for special status animals and plant species.

2.2.6 Porter-Cologne Water Quality Control Act

The Porter-Cologne Water Quality Control Act of 1969 established the SWRCB and the nine Regional Water Quality Control Boards (RWQCBs) and authorized them to provide oversight for water rights and water quality. It uses the National Pollutant Discharge Elimination System (NPDES) to monitor point source discharges into the waters of the State to prevent water quality degradation. It also protects wetlands, surface waters, and groundwater from both point and nonpoint sources of pollution.

2.2.7 State Wetland Definition and Procedures

The SWRCB adopted the State Wetland Definition and Procedures for Discharges or Fill Material to Waters of the State in 2019 and completed revisions to this set of procedures in 2021 (SWRCB 2021). Four major elements are

included in these procedures as described below, in addition to procedures for the submittal, review and approval of CWA Section 401 permits not described in this report.

1. Wetland definition:

   An area is wetland if, under normal circumstances, (1) the area has continuous or recurrent saturation of the upper substrate caused by groundwater, or shallow surface water, or both; (2) the duration such saturation is sufficient to cause anaerobic conditions in the upper substrate; and 3) the area's vegetation is dominated by hydrophytes or the area lacks vegetation.

2. Framework for determining waters of the State:

   Waters of the State are broadly defined by the Porter-Cologne Water Quality Control Act as "any surface water or groundwater, including saline waters, within the boundaries of the state." The 2021 procedures expand upon this definition to clearly include natural wetlands, wetlands created by modification of a surface water of the State, and artificial wetlands meeting specific criteria.

   The criteria for an artificial wetland include wetlands created for agency-approved compensatory mitigation; those identified in a water quality control plan; and those greater than or equal to one acre in size unless they are constructed and maintained for wastewater treatment or disposal, sediment settling, stormwater permitting program pollutant or runoff management, surface water treatment, agricultural crop irrigation or stock watering, fire suppression, industrial processing and cooling, active surface mining, log storage, recycled water management, maximizing groundwater recharge, and rice paddies.

3. Wetland delineation procedures:

   The SWRCB requires delineation of waters of the State to be accomplished with USACE-defined procedures for aquatic resources delineation (USACE 1987; USACE 2008, USACE 2010) used to assess the presence or absence of hydrophytic vegetation, hydric soils, and wetland hydrology, with one modification being that "the lack of vegetation does not preclude the determination of such an area that meets the definition of wetland."

2.3 Local Policies and Ordinances

2.3.1 City of La Verne Tree Ordinance

The City of La Verne Tree Ordinance is detailed in the arborist report (Rincon Consultants, Inc. 2021) prepared by Rincon Consultants, Inc. for a previous project located at the Weymouth Plant. In summary, the City of La Verne's Tree Ordinance (La Verne Municipal Code Chapter 18.78) states that a tree permit is required to remove or cause to remove any of the following species of tree if they have a cumulative trunk diameter at breast height (DBH) of eight inches or more ("significant trees"):

- Deodar Cedar (*Cedrus deodar*)
- Camphor Tree (*Cinnamomum camphor*)
- All oak trees (*Quercus* species)
- California Sycamore (*Platanus racemosa*)
- Southern California Black Walnut (*Juglans californica*)

A pruning permit is also required for pruning significant trees in all zoning districts, as appropriate.

3 Methods

This Report is informed by data from a desktop analysis of the literature and numerous resource databases, as well as a field survey. The methods used to complete the survey and desktop analyses are described below.

3.1 Desktop Review

Prior to conducting the field survey, Bargas conducted an initial review of literature and data sources to characterize biological conditions and to compile records of sensitive biological resources that could potentially occur in the BSA. The methods used for this analysis are described below.

3.1.1 Biological Setting

The biological setting includes terrain, hydrology, soils, land uses, and other features that support or inhibit biological resources in an area. In order to better understand the biological setting of the project, the following resources were reviewed in detail:

- USFWS *National Wetlands Inventory* (USFWS 2022a) to determine if surface waters and wetlands have been mapped on or adjacent to the BSA.
- United States Geological Survey (USGS) *National Hydrography Dataset* (USGS 2022) to determine if hydrological features have been mapped on or adjacent to the BSA.
- United States Department of Agriculture National Resource Conservation Service (NRCS) *Web Soil Survey* (NRCS 2022) to map and describe soil(s) within the BSA.
- Google Earth Pro aerial map images of the BSA, including historical aerial images.

3.1.2 Special Status Species & Habitats

It is important to create a well-defined list of habitats and species that could reasonably be expected to occur on the Project site in order to effectively analyze potential Project effects on biological resources. The following subsections describe how the list of potentially-occurring special status biological resources was assembled.

3.1.2.1 Data Sources

Species and habitat occurrences were queried from the following resources:

- USFWS *Information for Planning and Consultation* portal query (IPaC; USFWS 2022b) for a list of federally listed species and designated critical habitat recommended for impact analysis consideration
- CDFW *California Natural Diversity Database* (CNDDB; CDFW 2022) for special status species and habitat records within the RSA.
- CNPS *Inventory of Rare and Endangered Plants* (CNPS 2022) for a list of special status plant species occurrences within the USGS 7.5-minute quadrangles that overlap the RSA.

3.1.2.2 Special Status Designations Considered

A variety of agencies and respected non-profit organizations assess the conservation status of plant and wildlife species; however, not all are applicable to this Report. The following special status designations were considered when determining special status species to be discussed in this Report:

- **Federal Status:** Species listed as **Endangered (FE)** or **Threatened (FT)**, as well as species **Proposed as Endangered (FPE)**, **Proposed as Threatened (FPT)**, **Proposed for Delisting (FPD)**, and **Candidate (FC)** for listing under the FESA.
- **California Status:** Species listed as **Endangered (CE)** or **Threatened (CT)**, as well as species that are **Candidates** for **Endangered (CCE)** status, **Threatened (CCT)** status, or **Delisting (CCD)** under the CESA. Also considered are species listed as **Fully Protected (FP)** and **Species of Special Concern (SSC)**.
- **CNPS Status:** All CRPRs maintained by the CNPS *Inventory of Rare and Endangered Plants*.
- **Vegetation Communities:** All vegetation communities mapped by the CNDDB.

3.1.3 Occurrence Potential

Following the desktop review, field survey, and habitat analyses, Bargas assessed the potential for the occurrence of special status species in the BSA. Biological conditions (vegetation communities, wildlife habitats, disturbances, etc.) and the habitat and life cycle requirements of special status species identified for analysis in the desktop review were considered. "Recent" occurrences are defined as observed within the past 30 years. Based on these considerations, species were assigned to the following categories:

- **Present:** Species is known to occur in BSA based on recent surveys or other records.
- **High**: Species with known recent recorded occurrences/populations near the BSA and highly suitable habitat occurs within the BSA. Highly suitable habitat includes all necessary elements to support the species (e.g., elevation, hydrology, soils, cover, habitat type, food resources).
- **Moderate.** Species with known recent recorded occurrences/populations near the BSA; however, habitat within the BSA has been moderately disturbed, fragmented, or is small in extent. Moderately suitable habitat includes several elements to support the species (e.g., elevation, hydrology, soils, cover, habitat type, food resources). Furthermore, moderately suitable habitat may also be located at the edge of the species' range, or there are no reported occurrences nearby.
- **Low**. Species with few known recent recorded occurrences/populations near the BSA and habitat within the BSA is highly disturbed or extremely limited. A low potential is assigned to annual or perennial plant species that may have been detectable during a focused survey in the appropriate blooming period but was not found; however, small populations or scattered individuals are still considered to have a low potential to occur. Additionally, species for which poor-quality habitat may support the species within the BSA, but the reported extant range is far outside the BSA and/or any species observations would anticipate being migratory (i.e., not likely to reproduce within the BSA).
- **Presumed Absent/No Potential**. Focused surveys were conducted and the species was not detected, or the species was found in the desktop review, but suitable habitat (soil, vegetation, elevational range) was not found in the BSA, or the BSA is not within the known geographic range of the species.

The potentials for bird species to occur were further distinguished into those that may: 1) nest within or near the BSA; 2) forage within or near the BSA; and/or 3) occur on or near the BSA only as transients during migratory flights or other dispersal events.

3.2 Field Survey

Bargas biologists Brian Rawles and Gregory Garcia accessed the proposed Program site with the guidance of Weymouth Plant staff on July 11, 2022 from 0715 to 1015h. The goal of the survey was to record all observations of plant and wildlife species and determine the suitability of habitats on the proposed Program site for potential special status species. The pedestrian survey consisted of transects through the proposed Program site, scanning adjacent areas within the BSA using binoculars. The entirety of the proposed Program site and areas within the BSA accessible from public rights-of-way or visible from the proposed Program site were evaluated for the presence of habitat components that could support special status plant and wildlife species identified during the literature and database review described above. Weather conditions were ideal for the Program site with temperatures ranging from 62-75° Fahrenheit, a light breeze, and clear skies.

Seasonal and temporal factors may have influenced species detected. The survey was conducted in July and may have missed potentially occurring migrants, breeding species, and other season-specific flora and fauna. In addition, the survey was performed during the day and was limited to diurnal wildlife species. The survey conducted was comprehensive but does not equate to a protocol-level survey defined by regulating and/or resource protection agencies.

3.3 Taxonomy and Nomenclature

Every effort was made to use naming standards that are recognized by the scientific community, with the understanding that – for many wildlife groups – scientists may not always agree on a standard source. Because of this, some common names used in this report may not be the same as those used by the underlying data sources for species records. Bargas maintains a yearly-updated reference species list that uses the following taxonomic sources:

- **Birds** – American Ornithological Society Check-list and Supplements (American Ornithological Society 1998).
- **Mammals** – The reference list in the CDFW's California Wildlife Habitats Relationships Database (CDFW 2014), with updates based on the American Society of Mammologists Mammal Diversity Database (2020).
- **Reptiles and Amphibians** – The technical website californiaherps.com, which is regularly updated based on the latest taxonomic literature.
- **Fish** – Common and Scientific Names of Fishes from the United States, Canada, and Mexico, 7th edition (American Fisheries Society 2013)
- **Invertebrates** – No naming standard was identified that was current and applicable to freshwater and terrestrial invertebrates. Names used by the underlying data sources when a species was first identified were retained.
- **Plants** – Jepson eFlora (Jepson Flora Project 2021)

Birds have the most well-established naming standards of all taxonomic groups. These standards include instructions for the proper use of capitalization for common names to make clear that, for example, someone mentioning a Blue-winged Teal refers to the species "Blue-winged Teal" and not any species of teal with blue wings. The capitalization standards used for birds have been used with other taxa as well throughout this report.

4 Results

This section discusses in detail what is known about biological resources in the BSA based on information from the field survey, 126 CNDDB records, three CNPS records, 30 IPaC records, and two critical habitat determinations in the RSA.

4.1 Biological Setting

When viewing the RSA limits in its entirety on aerial photography, the defining land use of the region is urban. The RSA encompasses the entirety of the cities of La Verne and San Dimas which lie between the San Gabriel and Pomona Valleys. Portions of the cities of Covina, Glendora, Claremont, Montclair, and Pomona also lie within the RSA. However, natural habitats are present, primarily in the northern third of the RSA where substantial shrublands, scrublands, and woodlands interspersed with grasslands can be found in the foothills of the San Gabriel Mountains. The southern portion of the RSA overlaps the San Jose and Puente Hills where similar natural habitats can be found interspersed amongst developed urban and suburban land cover.

The proposed Program site is fully developed, containing infrastructure utilized for water treatment and associated access roads, parking lots, and ornamental landscaping. The lands adjacent to the proposed Program site and within the BSA are fully developed and include urban residential and commercial land uses.

The proposed Program site lies within the Big Dalton Wash sub-watershed, Hydrologic Unit Code (HUC) 12-180701060402, of the San Gabriel watershed (HUC 8-18070106). Elevations within the proposed Program site range from approximately 1,028 to 1,100 feet above mean sea level.

4.2 Soils

Urban land – Azuvina – Montebello complex, 0 – 5% slopes is the only soil type on the proposed Program site (NRCS 2022). The parent material is discontinuous human-transported material over old alluvium derived from granite, well-drained, with no hydric rating.

4.3 Aquatic Resources

The proposed Program site lacks wetlands or waters that fit the required criteria to be defined as wetlands or waters of the U.S. or State. An open concrete channelized drainage is present within the BSA on the east side of Wheeler Avenue across from the proposed Program site. This drainage is a named blue-line feature on the topographic map, Marshall Creek, that originates as a natural stream within the San Gabriel Mountain foothills. This feature is mapped in the National Hydrography Database and National Wetlands Inventory as an intermittent stream containing forested wetlands until it enters the urban environment where it transitions to an open concrete channelized ditch-like feature excavated by humans. This feature becomes artificially subterranean between Paseo Avenue and Holly Oak Street. Marshall Creek is a potential jurisdictional water of the U.S. and State. A length of the railroad tracks proposed for replacement located along Palomares Avenue west of Wheeler Avenue lie adjacent and outside of a fenced-in concrete channelized ditch-like feature, Marshall Canyon Channel, managed by Los Angeles County Flood Control District (LACFCD). This feature travels southwest to discharge to Live Oak Wash, approximately 0.5 mile southwest of the proposed Program site. Marshall Canyon Channel, including the portion in proximity to the Program site, is a potential jurisdictional water of the U.S. and State.

The proposed Program site does not contain state or federally protected wetlands; therefore, no state or federally protected wetlands would be directly impacted by Program implementation. Likewise, the proposed Program would not have direct impacts on the LACFCD channel because work would occur outside of the fence-line present around the channel. However, proposed Program work activities occurring adjacent to this channel have a moderate potential to indirectly impact the channel if a rain event occurs during construction due to the proximity of the railroad tracks.

4.4 Vegetation Communities and Land Cover

4.4.1 Extant Vegetation Communities

The BSA and proposed Program site can be characterized as developed and disturbed land cover (including ornamental plantings); natural vegetation communities are not present (**Exhibit 4**)**.** There are areas within the Weymouth Plant that contain managed ornamental landscaping, including around the Water Quality Laboratory Building and within the eastern edge of the Weymouth Plant. Additionally, there are lines of ornamental trees and shrubs along much of the Weymouth Plant perimeter. The existing railroad tracks pass by adjacent resident yards and street trees.

4.4.2 Sensitive Vegetation Communities

A total of five sensitive vegetation communities were mapped by the CNDDB within the RSA. These communities include Riversidian Alluvial Fan Sage Scrub, Southern Coast Live Oak Riparian Forest, Canyon Live Oak Ravine Forest, Southern Sycamore Alder Riparian Woodland, and California Walnut Woodland. None of these sensitive vegetation communities were observed to be present within the proposed Program site. Because the proposed Program site does not contain riparian habitat or other sensitive natural communities, no sensitive natural communities would be impacted by Program implementation.

4.5 Plants

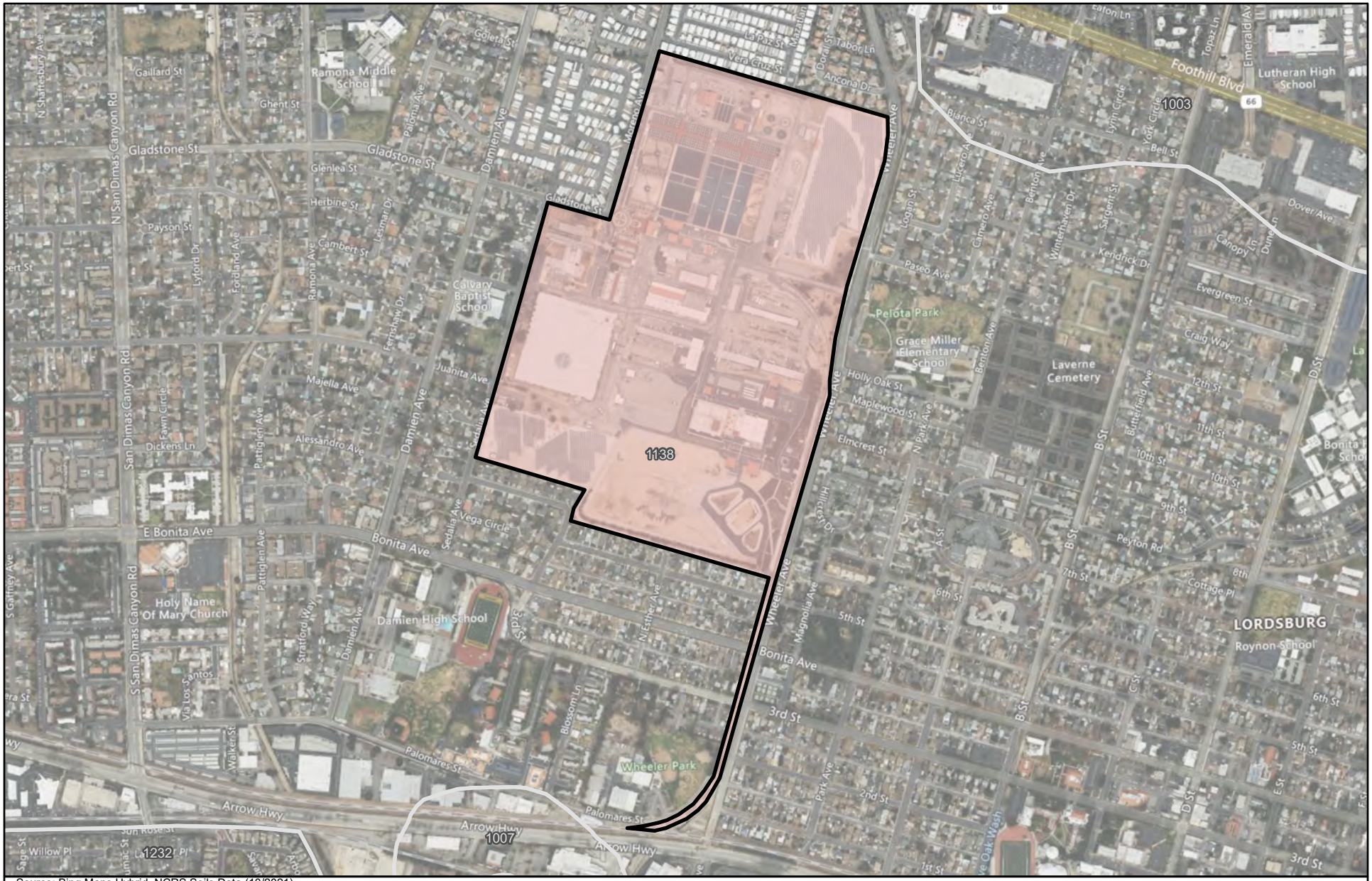
4.5.1 Plant Diversity

A total 14 plant taxa were detected by Bargas biologists during the field survey. A list of all plant taxa detected during the field survey is provided in **Appendix A**. Detailed lists of tree and shrub species identified within the proposed Program site by Rincon Consultants arborists can be found in an arborist report prepared for a previous project located at the Weymouth Plant (Rincon Consultants, Inc. 2021), with those species also provided in Appendix A. The plant taxa observed in the proposed Program site are typical of urban and landscaped environments within the greater Los Angeles area.

4.5.2 Special Status Plants

The desktop review determined that 30 plant taxa with special status had been documented as occurring within the RSA. The field survey did not identify the presence of any special status plant taxa within the BSA. No special status plant taxa were determined to have potential to occur in the BSA. These taxa and their occurrence potential are summarized in **Appendix B**. Wildlife

Map Created: 8/5/2022, Map Revised: N/A, Bargas Project Number: 1386-21



Source: Bing Maps Hybrid, NCRS Soils Data (10/2021)

0 500 1,000 Feet

1 inch =1,001 feet

BARGAS Environmental Consulting

Surrounding SSURGO Soils

SSURGO Soils

MUSYM,Mapunit Name

1138 - Urban land-Azuvina-Montebello complex, 0 to 5 percent slopes

Exhibit 3
Soils Map

MWD Weymouth Master Plan

Map Created: 8/5/2022, Map Revised: N/A, Bargas Project Number: 1386-21

4.6 Wildlife Diversity

A total of 20 wildlife taxa were detected during the field survey. A list of all wildlife taxa detected during the field survey is provided in **Appendix A**. The wildlife taxa observed are typical of urban and landscaped environments within the greater Los Angeles area.

4.6.1 Special Status Wildlife

The desktop review determined that 22 wildlife taxa with special status have been documented as occurring within the RSA. The field survey did not identify the presence of any special status wildlife taxa within the BSA. No special status wildlife taxa were determined to have high potential for occurrence within the BSA. These taxa and their occurrence potential are summarized in **Appendix B**. Two special status species were determined to have low potential for occurrence within the BSA and are further discussed below.

Pallid Bat
Vespertilionidae > *Antrozous pallidus*
California Species of Special Concern

Life History:	The Pallid Bat is a locally common species of low elevations in California. It occurs throughout California except for the high Sierra Nevada from Shasta to Kern counties, and the northwestern corner of the state from Del Norte and western Siskiyou counties to northern Mendocino County. A wide variety of habitats are occupied, including grasslands, shrublands, woodlands, and forests from sea level up through mixed conifer forests. The species is most common in open, dry habitats. Day roosts include crevices in rocky outcrops and cliffs, caves, mines, hollows/cavities and exfoliating bark of trees, and crevices and cavernous spaces of human structures such as bridges, barns, porches, and buildings (human-occupied or vacant). A yearlong resident in most of the range. *Source: CDFW 2014. WBWG 2005.*
Inclusion Source(s):	CNDDB
CNDDB Records:	2
Nearest CNDDB Record:	1 to 3 Miles
Habitat Present:	Low Quality
Determination Reason:	The proposed Program is within the current understood distribution range for the species and site contains several buildings and warehouses that could provide suitable day-roosting habitat, depending upon the presence of openings for ingress/egress for bats to access appropriate roosting spaces. This species has been known to acclimate to various types of anthropogenic disturbance and roost in structures occupied or otherwise utilized by humans. However, the potential for this species to occur may be lowered in

areas within the Program site which experience high levels of ambient disturbance from industrial-type activities.

Western Yellow Bat

Vespertilionidae > *Lasiurus xanthinus*

California Species of Special Concern

Life History:	The Western Yellow Bat is uncommon in California, known only in Los Angeles and San Bernardino Counties south to the Mexican border. This species has been recorded below 600 meters (2,000 feet) in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats. Day roosts occur in trees, primarily in the skirts of dead fronds on both native and non-native palm trees and occasionally on the foliage of cottonwood trees. There are observations of increased usage of ornamental palms in landscaping. Data shows some individuals or populations may be migratory while others may be present year-round. *Source: CDFW 2014. WBWG 2005.*
Inclusion Source(s):	CNDDB
CNDDB Records:	1
Nearest CNDDB Record:	1 to 3 Miles
Habitat Present:	Low Quality
Determination Reason:	The proposed Program site is within the current understood distribution range for the species and provides palm trees and other trees that could support roosting Western Yellow Bats; however, the presence of ambient human disturbance lowers the potential for occurrence of this species. The palm trees observed within the Program site appear to be managed and, at the time the survey was conducted, did not contain skirts of dead palm fronds which are the preferred roosting habitat of this species. The proposed Program site does not contain vegetation communities and terrain preferred by this species.

Due to the low potential for either of these species to occur in the Program site, Program implementation is not anticipated to have a substantial adverse effect to the regional population of these species.

4.7 Other Considerations

4.7.1 Wildlife Movement

Effects on wildlife movement are an important consideration when assessing the potential anthropogenic effects of any project. At a small enough scale, any project or activity can potentially affect the movement of wildlife if any wildlife are present. In general, however, the term “wildlife movement corridor” means an area of habitat that is important for the movement of wildlife between larger habitat areas. Wildlife movement corridors are important for maintaining population levels and genetic diversity.

The proposed Program site is fully developed and surrounded by urban development. There are no natural wildlife movement corridors present within the BSA. Marshall Canyon Channel located outside of the proposed Program site along Wheeler Avenue, as described in **Section 4.3** above, could potentially serve as wildlife movement corridors, depending upon the amount of water present in the channel. Due to the level of anthropogenic disturbance present immediately adjacent to both sides of these drainages (i.e., roads, houses) and the drainage containing a long underground segment, wildlife utilizing this drainage for movement would not be expected to stray beyond the channels. As the proposed Program site does not contain wildlife movement corridors or nursery sites, no wildlife corridors or nursery sites would be impacted by Program implementation.

4.7.2 Nesting Birds

Birds – including native species protected by the MBTA and California Fish and Game Code – have the potential to nest in nearly any environment, including those heavily altered by anthropogenic activity. The areas within the proposed Program site and the immediate vicinity containing landscaped trees and shrubs could support vegetation-nesting bird species. Landscaped areas and other open spaces with less anthropogenic activities could support ground-nesting species.

Two Cliff Swallow (*Petrochelidon pyrrhonota*) nests, a species whose nests and nesting activity are protected by the MBTA, were observed under a decorative façade on the Administration and Control Building during the field survey. The two nests appeared to be inactive. Other buildings and structures present in the proposed Program site have the potential to support nesting Cliff Swallows and species that build similar nests.

4.7.3 Other Locally Protected Biological Resources

The only Program component potentially requiring removal of trees protected by the City of La Verne Tree Ordinance is the Water Quality Control Laboratory Building Improvements project. This Program component would be subject to the City of La Verne Tree Ordinance. Metropolitan typically coordinates with the City of La Verne during the removal of trees protected under the tree ordinance and would continue to do so for this project to achieve compliance with the requirements of the tree ordinance. Therefore, the Program would have no potential to conflict with local policies or ordinances protecting biological resources.

4.7.4 Adopted Habitat Conservation Plans, Natural Community Conservation Plans, and Other Approved Local, Regional, and State Habitat Conservation Plans

The proposed Program site is not within the boundaries of an adopted habitat conservation plan; therefore, the proposed Program will not conflict with the provisions of an adopted HCP, NCCP, or other approved local, regional, or state habitat conservation plan.

5 Literature Cited

American Fisheries Society. 2013. Common and Scientific Names of Fishes from the United States, Canada, and Mexico, 7th edition. Special Publication 34.

American Ornithological Society. 1998. Check-list of North American Birds (and supplements). American Ornithologists Union and American Ornithological Society.

American Society of Mammologists. 2020. Mammal Diversity Database (Version 1.2) [Data set]. Zenodo. http://doi.org/10.5281/zenodo.4139818. Accessed July 2022.

California Department of Fish and Wildlife (CDFW). California Interagency Wildlife Task Group. 2014. California Wildlife Habitats Relationships version 9.0 personal computer program. Sacramento, CA.

CDFW. 2022. California Natural Diversity Database (CNDDB). Available online at https://wildlife.ca.gov/Data/CNDDB/Maps-and-Data#43018408-cnddb-in-bios. Accessed July 2022.

California Native Plant Society (CNPS). 2022. *Inventory of Rare and Endangered Plants*. Available online at https://rareplans.cnps.org . Accessed March 2022.

Jepson Flora Project (eds.) 2021. Jepson eFlora, https://ucjeps.berkeley.edu/eflora/. Accessed July 2022.

Natural Resources Conservation Service (NRCS). 2022. Web Soil Survey. Available online at https://websoilsurvey.sc.egov.usda.gov/. Accessed July 2022.

Rincon Consultants, Inc. 2021. Weymouth Plant Wheeler Gate Security Improvements Project. Arborist Report. Rincon Project 21-11875. October 2021.

State Water Resources Control Board (SWRCB). 2021. State Policy for Water Quality Control: State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State. California Water Boards, adopted April 2, 2019, revised April 6, 2021. Available online at https://www.waterboards.ca.gov/water_issues/programs/cwa401/docs/2021/procedures.pdf

USACE. 1987. *Corps of Engineers Wetlands Delineation Manual*. Editor J.C. Hickman. Research Program Technical Report Y-87-1. Department of the Army, Vicksburg, VA. U.S. Army Waterways Experiment Station.

USACE. 2008a. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0)*. Editors J.S. Wakeley, R.W. Lichvar, and C.V. Noble. ERDC/EL TR-08-28. U.S. Army Engineer Research and Development Center, Vicksburg, MS.

USACE. 2010. *Updated Datasheet for the Identification of the Ordinary High Water Mark in the Arid West Region of the Western United States.* Editors K.E. Curtis and R.W. Lichvar. ERDC/CRREL TN-12-1. U.S. Army Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory, Hanover, NH.

United States Environmental Protection Agency (USEPA) and United States Army Corps of Engineers (USACE). 2008. *Clean Water Act Jurisdiction Following the U.S. Supreme Court's Decision in Rapanos v. United States and Carabell v. United States*. Summary of Key Points. December 2, 2008.

U.S. Fish and Wildlife Service (USFWS). 2022a. National Wetlands Inventory – Wetlands Online Mapper. Available online at https://www.fws.gov/wetlands/. Accessed July 2022.

USFWS. 2022b. Information for Planning and Consultation. Available only at https://ipac.ecosphere.fws.gov. Accessed July 2022.

USFWS. 2017. *Candidate Species: Section 4 of the Endangered Species Act*. USFWS Ecological Services Program, Fall Church, VA.

U.S. Geological Survey (USGS). 2022. The National Geological Map Database. Available online at https://ngmdb.usgs.gov/ngmdb/ngmdb_home.html. Accessed July 2022.

Western Bat Working Group (WBWG). 1998. Western Bat Species Regional Priority Matrix. Western Bat Working Group Workshop, Reno, Nevada. Available online at http://wbwg.org/matrices/species-matrix/. Accessed July 2022.

Appendix A. Floral & Faunal Compendia

Bargas documented the presence of 14 plant taxa and 20 wildlife taxa during the field survey. Ten additional plant taxa were included in the arborist report (Rincon Consultants, Inc. 2021) and are included below.

Plants

Common Name	Scientific Name	Family	Major Clade
Common Oleander	*Nerium oleander*	Apocynaceae	Eudicots
	Atriplex sp.	Chenopodiaceae	Eudicots
Blackwood Acacia	*Acacia melanoxylon*	Fabaceae	Eudicots
Silver Senna	*Senna artemisioides*	Fabaceae	Eudicots
	Caesalpinia sp.	Fabaceae	Eudicots
Coast Live Oak	*Quercus agrifolia*	Fagaceae	Eudicots
	Salvia sp.	Lamiaceae	Eudicots
Bottle Tree	*Brachychiton populneus*	Malvaceae	Eudicots
Indian Laurel	*Ficus microcarpa*	Moraceae	Eudicots
Blue Gum	*Eucalyptus globulus*	Myrtaceae	Eudicots
Lemon Gum Eucalyptus	*Corymbia citriodora*	Myrtaceae	Eudicots
Red Ironbark Eucalyptus	*Eucalyptus sideroxylon*	Myrtaceae	Eudicots
Silverdollar Eucalyptus	*Eucalyptus cinerea*	Myrtaceae	Eudicots
	Callistemon sp.	Myrtaceae	Eudicots
Common Olive	*Olea europaea*	Oleaceae	Eudicots
California Sycamore	*Platanus racemosa*	Platanaceae	Eudicots
Red Willow	*Salix laevigata*	Salicaceae	Eudicots
Deodar Cedar	*Cedrus deodara*	Pinaceae	Gymnosperms
Gray Pine	*Pinus sabiniana*	Pinaceae	Gymnosperms
Stone Pine	*Pinus pinea*	Pinaceae	Gymnosperms
Southern Magnolia	*Magnolia grandiflora*	Magnoliaceaea	Magnoliids
Queen Palm	*Syagrus romanzoffiana*	Arecaceae	Monocots

Common Name	Scientific Name	Family	Major Clade
	Aloe sp.	Asphodelaceae	Monocots
Common Oleander	*Nerium oleander*	Apocynaceae	Eudicots

Wildlife

Common Name	Scientific Name	Family	Introduced/Endemic
Western Fence Lizard	*Sceloporus occidentalis*	Phrynosomatidae (Zebra-tailed, Earless, Fringe-toed, Spiny, Tree, Side-blotched, and Horned Lizards)	—
Rock Pigeon	*Columba livia*	Columbidae (Pigeons and Doves)	Introduced
Mourning Dove	*Zenaida macroura*	Columbidae (Pigeons and Doves)	—
Anna's Hummingbird	*Calypte anna*	Trochilidae (Hummingbirds)	—
Allen's Hummingbird	*Selasphorus sasin*	Trochilidae (Hummingbirds)	—
Acorn Woodpecker	*Melanerpes formicivorus*	Picidae (Woodpeckers and Allies)	—
Cassin's Kingbird	*Tyrannus vociferans*	Tyrannidae (Tyrant Flycatchers)	—
Black Phoebe	*Sayornis nigricans*	Tyrannidae (Tyrant Flycatchers)	—
California Scrub-Jay	*Aphelocoma californica*	Corvidae (Crows and Jays)	—
American Crow	*Corvus brachyrhynchos*	Corvidae (Crows and Jays)	—
Common Raven	*Corvus corax*	Corvidae (Crows and Jays)	—
Tree Swallow	*Tachycineta bicolor*	Hirundinidae (Swallows)	—
Barn Swallow	*Hirundo rustica*	Hirundinidae (Swallows)	—
Cliff Swallow	*Petrochelidon pyrrhonota*	Hirundinidae (Swallows)	—
Bushtit	*Psaltriparus minimus*	Aegithalidae (Long-tailed Tits and Bushtits)	—

Common Name	Scientific Name	Family	Introduced/Endemic
Northern Mockingbird	*Mimus polyglottos*	Mimidae (Mockingbirds and Thrashers)	—
House Finch	*Haemorhous mexicanus*	Fringillidae (Fringilline and Cardueline Finches and Allies)	—
Lesser Goldfinch	*Spinus psaltria*	Fringillidae (Fringilline and Cardueline Finches and Allies)	—
California Towhee	*Melozone crissalis*	Passerellidae (New World Sparrows)	—
Coyote	*Canis latrans*	Canidae (Dogs, Foxes, and Wolves)	—

Appendix B. Special Status Biological Resource Summary

The research conducted for this report included a desktop review of numerous resource databases in order to determine a list of special status biological resources, including 30 plant taxa and 22 wildlife taxa to be analyzed for potential occurrence. This review was conducted on July 14, 2022 using a Program site buffer of 5 miles. The result of this analysis is summarized in the tables below. Table column definitions:

- **Common Name:** The most widely-accepted English common name for the taxon.
- **Scientific Name:** The most widely-accepted scientific name for the taxon.
- **Source(s):** The desktop review source(s) that contained this taxon.
- **Legal Status:** The legal protected status of the taxon. These terms are described in detail in the Methods section of this Report.
- **Habitat:** The quality of the habitat on the proposed Program site for supporting the taxon. Classification of habitats is described in detail in the Methods section of this Report.
- **Soils:** The suitability of soils on the proposed Program site to support the taxon, if known. Classification of soils is described in detail in the Methods section of this Report.
- **Potential:** The potential for the taxon to be found on the proposed Program site. Ranking of potential is described in detail in the Methods section of this Report.

Plants

Common Name	Scientific Name	Source(s)	Legal Status	Habitat	Soils	Potential
Woolly Mountain-Parsley	*Oreonana vestita*	CNPS	CRPR 1B.3	Not Present	Unknown	None
White Rabbit-Tobacco	*Pseudognaphalium leucocephalum*	CNDDB, CNPS	CRPR 2B.2	Not Present	Unknown	None
Chaparral Ragwort	*Senecio aphanactis*	CNDDB, CNPS	CRPR 2B.2	Not Present	Yes	None
San Bernardino Aster	*Symphyotrichum defoliatum*	CNDDB, CNPS	CRPR 1B.2	Not Present	Unknown	None
Greata's Aster	*Symphyotrichum greatae*	CNDDB, CNPS	CRPR 1B.3	Not Present	Unknown	None
Nevin's Barberry	*Berberis nevinii*	CNDDB, CNPS	FE, CE, CRPR 1B.1	Not Present	Unknown	None
Rigid Fringepod	*Thysanocarpus rigidus*	CNDDB, CNPS	CRPR 1B.2	Not Present	No	None
Lucky Morning-Glory	*Calystegia felix*	CNPS	CRPR 1B.1	Not Present	Unknown	None

Common Name	Scientific Name	Source(s)	Legal Status	Habitat	Soils	Potential
San Gabriel Mountains Dudleya	*Dudleya densiflora*	CNPS	CRPR 1B.1	Not Present	Unknown	None
Many-stemmed Dudleya	*Dudleya multicaulis*	CNDDB, CNPS	CRPR 1B.2	Not Present	No	None
San Gabriel Manzanita	*Arctostaphylos glandulosa* ssp. *gabrielensis*	CNPS	CRPR 1B.2	Not Present	Unknown	None
Hall's Monardella	*Monardella macrantha* ssp. *hallii*	CNPS	CRPR 1B.3	Not Present	Unknown	None
Salt Spring Checkerbloom	*Sidalcea neomexicana*	CNDDB, CNPS	CRPR 2B.2	Not Present	Unknown	None
Rock Creek Broomrape	*Orobanche valida* ssp. *valida*	CNPS	CRPR 1B.2	Not Present	No	None
Parry's Spineflower	*Chorizanthe parryi* var. *parryi*	CNDDB, CNPS	CRPR 1B.1	Not Present	Unknown	None
Slender-horned Spineflower	*Dodecahema leptoceras*	CNPS	FE, CE, CRPR 1B.1	Not Present	Unknown	None
San Gabriel Linanthus	*Linanthus concinnus*	CNPS	CRPR 1B.2	Not Present	Unknown	None
Prostrate Vernal Pool Navarretia	*Navarretia prostrata*	CNPS	CRPR 1B.2	Not Present	Unknown	None
Mesa Horkelia	*Horkelia cuneata* var. *puberula*	CNDDB, CNPS	CRPR 1B.1	Not Present	Unknown	None
Mt. Gleason Paintbrush	*Castilleja gleasoni*	CNPS	CRPR 1B.2	Not Present	Unknown	None
Sanford's Arrowhead	*Sagittaria sanfordii*	CNPS	CRPR 1B.2	Not Present	No	None
California Saw-Grass	*Cladium californicum*	CNPS	CRPR 2B.2	Not Present	Unknown	None
Hot Springs Fimbristylis	*Fimbristylis thermalis*	CNPS	CRPR 2B.2	Not Present	Unknown	None
Thread-Leaved Brodiaea	*Brodiaea filifolia*	CNDDB, CNPS	FT, CE, CRPR 1B.1	Not Present	Unknown	None

Common Name	Scientific Name	Source(s)	Legal Status	Habitat	Soils	Potential
Slender Mariposa-Lily	*Calochortus clavatus* var. *gracilis*	CNDDB, CNPS	CRPR 1B.2	Not Present	Unknown	None
Intermediate Mariposa-Lily	*Calochortus weedii var. intermedius*	CNDDB, CNPS	CRPR 1B.2	Not Present	Unknown	None
Lemon Lily	*Lilium parryi*	CNPS	CRPR 1B.2	Not Present	Unknown	None
California Satintail	*Imperata brevifolia*	CNDDB, CNPS	CRPR 2B.1	Not Present	Unknown	None
Aparejo Grass	*Muhlenbergia utilis*	CNPS	CRPR 2B.2	Not Present	Unknown	None
Sonoran Maiden Fern	*Thelypteris puberula* var. *sonorensis*	CNPS	CRPR 2B.2	Not Present	Unknown	None

Definitions:
- CE = California Endangered
- CNDDB = California Natural Diversity Database
- CNPS = California Native Plant Society
- CRPR = California Rare Plant Rank
- FE = Federal Endangered
- FT = Federal Threatened

Wildlife

Common Name	Scientific Name	Source(s)	Legal Status	Habitat	Potential
Monarch - California Overwintering Population	*Danaus plexippus pop. 1*	IPaC	FC	Not Present	None
Arroyo Chub	*Gila orcuttii*	CNDDB	SSC	Not Present	None
Santa Ana Sucker	*Catostomus santaanae*	CNDDB	FT	Not Present	None
Western Spadefoot	*Spea hammondii*	CNDDB	SSC	Not Present	None
California Newt	*Taricha torosa*	CNDDB	SSC	Not Present	None
San Diegan Legless Lizard	*Anniella stebbinsi*	CNDDB	SSC	Not Present	None
Blainville's Horned Lizard	*Phrynosoma blainvillii*	CNDDB	SSC	Not Present	None

Common Name	Scientific Name	Source(s)	Legal Status	Habitat	Potential
San Diegan Tiger Whiptail	*Aspidoscelis tigris stejnegeri*	CNDDB	SSC	Not Present	None
California Glossy Snake	*Arizona elegans occidentalis*	CNDDB	SSC	Not Present	None
Two-striped Gartersnake	*Thamnophis hammondii*	CNDDB	SSC	Not Present	None
Black Swift	*Cypseloides niger*	CNDDB	SSC	Not Present	None
California Black Rail	*Laterallus jamaicensis coturniculus*	CNDDB	CT, FP	Not Present	None
Least Bell's Vireo	*Vireo bellii pusillus*	IPaC	FE, CE	Not Present	None
California Gnatcatcher	*Polioptila californica*	CNDDB; IPaC	FT, SSC	Not Present	None
Western Yellow Bat	*Lasiurus xanthinus*	CNDDB	SSC	Low Quality	Low
Pallid Bat	*Antrozous pallidus*	CNDDB	SSC	Low Quality	Low
Big Free-tailed Bat	*Nyctinomops macrotis*	CNDDB	SSC	Not Present	None
Western Mastiff Bat	*Eumops perotis*	CNDDB	SSC	Not Present	None
Northwestern San Diego Pocket Mouse	*Chaetodipus fallax fallax*	CNDDB	SSC	Not Present	None
San Bernardino Kangaroo Rat	*Dipodomys merriami parvus*	CNDDB	FE, CCE, SSC	Not Present	None
San Diego Desert Woodrat	*Neotoma lepida intermedia*	CNDDB	SSC	Not Present	None
American Badger	*Taxidea taxus*	CNDDB	SSC	Not Present	None

Definitions:

- CNDDB = California Natural Diversity Database
- IPaC = Information for Planning and Consultation
- FE = Federal Endangered
- FT = Federal Threatened
- FC = Federal Candidate
- CE = California Endangered
- CCE = California Candidate (Endangered)
- CT = California Threatened
- FP = Fully Protected
- SSC = Species of Special Concern

Appendix C. Site Photographs

Photo 1. Representative photo of the Water Quality Laboratory Building (west-facing building) proposed to undergo various building improvements. Photo looking east from Sedalia Avenue.

Photo 2. Representative photo of the Water Quality Laboratory Building (southeast-facing building) and adjacent landscaping, proposed to undergo various building improvements, including changes to areas of landscaping. Photo looking northwest from inside the Plant parking area.

Photo 3. Representative photo of the Administration and Control Building (east-facing building) proposed to undergo various building improvements. Photo looking northwest from inside the Plant.

Photo 4. Representative photo of the Administration and Control Building (north-facing building) proposed to undergo various building improvements. Photo looking southeast from inside the Plant.

Photo 5. Representative photo of a section of the Water Treatment Chemical Delivery Railroad Tracks proposed for replacement within the Weymouth Plant. Photo looking southward from inside the Plant.

Photo 6. Representative photo of a section of the Water Treatment Chemical Delivery Railroad Tracks. This portion of the railroad tracks is located off-site of the Weymouth Plant and adjacent, but outside of, a Los Angeles County Flood Control District channel. Photo looking southwest along Palomares Avenue.

Photo 7. Representative photo of one of two basins proposed for rehabilitation. Photo looking northwest from inside the Plant.

Photo 8. Representative photo of the La Verne Warehouse Facilities proposed for demolition and replacement with new warehouse facilities. Photo looking southwest from inside the Plant.

Photo 9. Representative photo of the La Verne Warehouse Facilities proposed for demolition and replacement with new warehouse facilities. Photo looking southeast from inside the Plant.

Photo 10. Representative photo of the new proposed location of the New Field Engineering Building. Photo looking northward from inside the Plant.

Appendix B

Hazardous Materials Technical Report

Rincon Consultants, Inc.

250 East 1st Street, Suite 1400
Los Angeles, California 90012

213 788 4842

info@rinconconsultants.com
www.rinconconsultants.com

October 31, 2022
Project No: 21-12248

Brenda Marines, Environmental Specialist
The Metropolitan Water District of Southern California
700 North Alameda Street
Los Angeles, California 90012
Via email: bmarines@mwdh2o.com

Subject: FINAL Hazardous Materials Technical Report for the Water Treatment Chemical Delivery Railroad Tracks Replacement Project, 700 Moreno Avenue, La Verne, California 91750

Dear Ms. Marines:

Rincon Consultants, Inc. (Rincon) has prepared this Hazardous Materials Technical Report (Hazardous Materials Report) for the Water Treatment Chemical Delivery Railroad Tracks Replacement Project (Project) to evaluate soil conditions along the water treatment chemical delivery railroad tracks (Project site, railroad tracks) that serve The Metropolitan Water District of Southern California's (Metropolitan) F.E. Weymouth Water Treatment Plant located at 700 Moreno Avenue in La Verne, California (Figure 1). Soil sampling was performed along the railroad tracks to determine if soil impacts are apparent and whether soil disturbed during the Project would present a risk to construction workers or require special handling.

As described herein, the findings of this soil assessment indicate sampled soil along the railroad tracks is not impacted by potential chemical constituents of concern (COCs) at levels that present a human health risk, with the exception of lead impacts at one location. Soil disturbed and removed during Project construction is anticipated to be characterized as non-hazardous waste, with the exception of shallow soil in a localized area impacted by California hazardous waste levels of lead. Furthermore, a creosote-like material was observed on railroad ties throughout the Project site; therefore, the preparation of a Soil Management Plan is recommended to provide guidance for proper handling, management, and disposal of known or potentially impacted soil identified during Project construction.

Introduction

This Hazardous Materials Report was prepared in support of the F.E. Weymouth Plant and La Verne Site Improvements Program Environmental Impact Report. The Weymouth Plant is owned by Metropolitan and includes various structures and facilities related to drinking water treatment, research, and infrastructure installation (see Figure 1 for a Project site vicinity map). The railroad tracks run generally parallel to Wheeler Avenue and are located partially within the Weymouth Plant along its eastern boundary and partially outside the Weymouth Plant. The railroad tracks outside the Weymouth Plant proceed from the southeast corner of the Weymouth Plant, parallel to Wheeler Avenue, and southbound towards Arrow Highway. This portion of the railroad tracks is located primarily within Metropolitan fee property with the exception of its five intersection street crossings and its connection with the broader Burlington Northern Santa Fe railroad network.

Figure 1 Vicinity Map

Imagery provided by Esri and its licensors © 2022.

Fig 1 Regional Location Map
Weymouth Master Plan Update EIR

Soil sampling was performed at the Project site on July 11, 2022 to determine if COCs are present in soil along the railroad tracks in concentrations that may warrant remediation or mitigation prior to or during Project implementation. Based on the results of this initial assessment on July 11, 2022, step-out soil samples were collected on October 4, 2022 at certain locations to delineate the extent of soil impacted with lead. The methods and results of this soil assessment as well as conclusions and recommendations based on the findings are described in this report.

Background and Environmental Setting

Project Description

The Project consists of replacing the railroad tracks and associated components used to deliver water treatment chemicals to the Weymouth Plant. The replacement tracks would be installed in the same footprint as the existing tracks. The railroad tracks would comply with Burlington Northern Santa Fe standards and design requirements for safe delivery of water treatment chemical railcars. Upon completion of this project, the quantity, frequency, and timing of railcar deliveries to the site would remain the same as under existing conditions.

Topography

The current United States Geological Survey topographic map indicates the site is situated at an elevation of about 1,000 to 1,100 feet above mean sea level (United States Geological Survey 2021). The topography consists of relatively flat land, sloping in the south to southwest direction.

Regional Groundwater Occurrence and Quality

The Project site is located within the San Gabriel Valley Groundwater Basin in eastern Los Angeles County. Water-bearing sediments lie underneath most of the basin. The San Gabriel Valley Groundwater Basin is bounded by the Raymond fault and San Gabriel Mountains in the north, the Chino and San Jose faults in the east, and the Repetto, Merced, and Puente Hills in the south and west (California Natural Resources Agency 2003).

During the preparation of this report, the California State Water Resources Control Board's online GeoTracker database was reviewed to determine groundwater depth and flow direction in the vicinity of the site. According to the *Summer 2022 Groundwater Monitoring Report* for the Former Victor Graphics Site at 1330 Arrow Highway, La Verne, California, groundwater flow is in the southwest direction with a depth ranging from 19 to 32 feet below ground surface (bgs) (CDM Smith Inc. 2022). The Former Victor Graphics Site is located approximately 0.5 mile south of the site. Groundwater was not encountered during Rincon's July 11 or October 4, 2022 soil sampling activities.

Objectives and Scope of Work Completed

The objectives of this Hazardous Materials Report and scope of work are described below.

Objectives

Railroad tracks are often associated with several COCs, including creosote,[1] which is used to preserve the railroad ties, and herbicides to suppress vegetation growth. Other COCs associated with railroad tracks may include metals, petroleum hydrocarbons, and less frequently, pesticides. The objective of this Hazardous Materials Report is to investigate the presence of COCs in soil along the railroad tracks and to provide recommendations, if required, to address potential impacts to construction workers and soil management during Project construction activities.

Soil Sampling Methodology

Sample Collection

On July 11, 2022, Rincon staff Sawyer Carmen and Ryan Thacher utilized hand tools to collect 19 soil samples from 10 sampling locations (labeled WR-1 through WR-10 on Figure 2) along the railroad tracks. Sample locations were selected on approximately 350- to 400-foot intervals along the length of the railroad tracks to evaluate conditions representative of the entire Project site. At each location, samples were collected at depths of approximately 0.5 and 1.5 feet bgs at the mid-point between railroad ties (see Photo 1 in Attachment 1), and then backfilled when completed. A Geode™ global positioning system unit was used to record sample locations to sub-foot accuracy. In the case of a single soil boring (WR-2), rocks were encountered at shallow depths, and soil was encountered at 1 foot bgs. Because of these limitations, one sample was collected at 1 foot bgs at location WR-2. During the assessment, a dark material assumed to be creosote was observed on many railroad ties, presenting potential to impact soil in contact with the tie (see Photo 2 in Attachment 1). Select samples (WR-1 and WR-5) were collected adjacent to railroad ties showing visible indication of what was assumed to be creosote.

Based on the results of the July 11, 2022 assessment, Rincon staff Jon Bridgeman utilized hand tools to collect eight step-out soil samples at six locations on October 4, 2022 to delineate the extent of soil impacted with California hazardous waste levels of lead adjacent to WR-1. Before soil sample collection, in-situ lead measurements were collected with an X-Ray Fluorescence (XRF) analyzer to screen for elevated levels of lead prior to collection. Step-out samples were collected approximately five feet from sample WR-1 in the northeast, northwest, southwest, and southeast directions at 0.5 and 1.5 feet bgs. Two additional samples were collected at 10 feet from WR-1 along the railroad track in the northeast and southwest directions at 0.5 feet bgs.

[1] Creosote is a wood preservative derived from the distillation of wood or coal.

Figure 2 Project Site and Soil Sample Locations

Decontamination Procedures

All sampling equipment was decontaminated with Alconox detergent followed by a two-stage rinse process at each sampling location and between collection of each sample for both the July 11 and October 4, 2022 sample collection dates.

Sample Handling

Samples were labeled and stored in a cooler chilled to 4 degrees Celsius. Samples were couriered to SunStar Laboratories, Inc. in Lake Forest, California using standard chain-of-custody protocol.

Laboratory Analyses

Each of the initial 19 soil samples collected were analyzed for the following COCs:

- Metals by United States Environmental Protection Agency (EPA) Method 6010B as well as mercury by EPA Method 7471A
- Total petroleum hydrocarbons (TPH) in the gasoline, diesel, and oil ranges (TPH-g, TPH-d, and TPH-o, respectively) by EPA Method 8015B
- Creosote, pyrene, and acenaphthene by EPA Method 8270C

Pesticide and herbicide application is typically performed by spraying on surface soils along the railroad tracks, and as a result, shallow soil would show the highest impacts, and impacts would be expected to decline with depth. Therefore, initially only the shallow soil sample collected at each location was analyzed for the following COCs:[2]

- Organochlorine pesticides by EPA Method 8081A
- Chlorinated herbicides by EPA Method SW8151A

Organochlorine pesticides and chlorinated herbicides were not detected in exceedance of applicable screening criteria in the shallow samples; therefore, no deeper samples were run for these constituents.

Each of the eight step-out soil samples collected on October 4, 2022, were analyzed for the following COC:

- Lead by EPA Method 6010B

In addition, samples with results that exceeded hazardous waste screening criteria defined in Title 22 of California Code of Regulations and Title 40 of the Code of Federal Regulations, were subject to Soluble Threshold Limit Concentration (STLC) and Toxicity Characteristic Leaching Procedure (TCLP) analysis, respectively, for comparison to California and federal hazardous waste criteria. These tests are performed to evaluate if soil is characterized as a hazardous waste, which may impact soil management during Project construction. These tests are not associated with evaluating human health risk. STLC and TCLP were performed by the following methods:

- STLC by the Waste Extraction Test

[2] The shallow samples are those collected at 0.5 feet bgs at locations WR-1 and WR-3 through WR-9 and the sample collected at 1 foot bgs in the case of WR-2.

- TCLP by EPA Method 1311

Screening Criteria

COC concentrations were compared to the San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs) for Direct Exposure to Human Health Risk Levels for commercial/industrial uses with shallow soil exposure and construction worker exposure (San Francisco Bay RWQCB 2019a). While published by the San Francisco Bay RWQCB, the ESLs are applied as a standard industry practice across all nine RWQCB regions, including the Los Angeles Region (Region 4).

In addition, soil analytical results were compared to hazardous waste screening criteria to determine if soil along the railroad tracks may be characterized as a hazardous waste. For samples with an exceedance of the hazardous waste screening criteria,[3] STLC analysis was performed for comparison to California hazardous waste criteria, and TCLP analysis was performed for comparison to federal hazardous waste criteria.

Analytical Results

The laboratory analytical results are summarized in Tables 1 through 3. The laboratory analytical reports are included in Attachment 2.

Metals

As summarized in Table 1, barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc were detected above laboratory reporting limits at each sampling location. However, with the exception of lead, none of these analytes were detected above the construction worker exposure or commercial/industrial ESLs or above the typical background concentration range for metals in California soil (Kearney Foundation 1996; California Department of Toxic Substances Control 2020).

Lead was detected in the soil sample collected at WR-1 at 0.5 feet bgs at a concentration of 170 milligrams per kilogram (mg/kg), which exceeds the construction worker exposure ESL for lead (160 mg/kg)[4]. The concentration of lead at location WR-1 at 1.5 feet bgs was 5.1 mg/kg; therefore, the average concentration of lead in soil at location WR-1 across the 0.5 to 1.5-foot bgs depth interval is 87.6 mg/kg (i.e., less than construction worker ESLs). Furthermore, the average concentration of lead at the Project site across all initial sample locations and depths is 16.8 mg/kg. Assuming soil disturbance during Project construction extends to at least 1.5 feet bgs, construction workers will be exposed to an average lead concentration nearly 10 times less than the construction worker ESL.

The lead concentrations in step-out samples adjacent to WR-1 ranged from 8.5 to 98 mg/kg, with an average concentration of 44.9 mg/kg. No lead concentrations exceeded the construction worker ESL.

[3] An exceedance of hazardous waste screening criteria does not necessarily characterize the sample as a hazardous waste but rather indicates additional testing is required to confirm hazardous or non-hazardous characterization.
[4] According to *User's Guide: Derivation and Application of Environmental Screening Levels (ESLs)* (San Francisco Bay RWQCB 2019b), Construction Worker ESLs are established assuming 8-hours of daily exposure via dermal contact, inhalation, or ingestion, over a 1-year period.

STLC and TCLP

The concentration of lead in sample WR-1 at 0.5 feet bgs exceeded the hazardous waste screening criteria for STLC analysis (50 mg/kg) and TCLP analysis (100 mg/kg), and was therefore subject to STLC and TCLP analysis. The STLC result for lead exceeded the 5 milligram per liter (mg/L) California hazardous waste threshold, indicating soil at this location is characterized as a California hazardous waste. The TCLP result was below the 5 mg/L threshold for federal hazardous waste characterization.

In addition, three step-out samples exceeded the hazardous waste screening criteria for STLC analysis. TCLP analysis was also performed on these three step-out samples. The STLC results for one sample (WR1-SWStep1 at 0.5 feet bgs) exceeded the California hazardous waste threshold of 5 mg/L, and the other two samples were below the 5 mg/L threshold. The TCLP results for all three samples were below the 5 mg/L threshold for federal hazardous waste characterization. The STLC and TCLP results are included in Table 1.

Total Petroleum Hydrocarbons

As summarized in Table 2, TPH-g was not detected above laboratory reporting limits. TPH-d was also not detected above laboratory reporting limits at any sample locations, except for WR-5 at 0.5 feet bgs. The concentration of TPH-d at WR-5 did not exceed the applicable ESLs. TPH-o was detected above laboratory reporting limits at all sample locations (WR-1 through WR-10) at least one of the depths sampled; however, detected concentrations did not exceed the applicable ESLs in any of the samples collected.

Semi-Volatile Organic Compounds

As summarized in Table 3, acenaphthene was detected in samples collected from locations WR-5 and WR-7 at 0.5 feet bgs with concentrations of 0.22 mg/kg and 0.1 mg/kg, respectively, which are below the applicable ESLs. Creosote was detected above laboratory reporting limits in samples collected from locations WR-1, WR-5, and WR-6 at 0.5 feet-bgs as well as in the sample collected from location WR-2 at 1.0 foot-bgs. ESLs have not been established for creosote, and the concentrations detected were very low (i.e., slightly exceeding laboratory reporting limits). Pyrene was detected above laboratory reporting limits at all sample locations with the exception of samples collected at WR-3. Detected concentrations of pyrene were below the applicable ESLs.

Organochlorine Pesticides and Chlorinated Herbicides

Neither organochlorine pesticides nor chlorinated herbicides were detected above laboratory reporting limits in any of the samples analyzed (see laboratory analytical results in Attachment 2).

Conclusions and Recommendations

The concentrations of TPH, pyrene, acenaphthene, chlorinated herbicides, and organochlorine pesticides in the analyzed soil samples were either below laboratory reporting limits, or were detected below the respective ESLs for commercial/industrial and construction worker exposure scenarios. Pyrene and acenaphthene are likely present as a result of weathered creosote used to preserve railroad ties (United States Department of Agriculture 2004). In addition, lead was detected in a single soil

sample (WR-1 at 0.5 feet bgs) in exceedance of the construction worker ESL and California hazardous waste criteria. Construction worker ESLs assume eight hours of daily exposure over a one-year period; therefore, the actual human health risk to construction workers associated with this single detection of lead in slight exceedance of the ESL is negligible because of the anticipated short-term nature (approximately one to three days) of construction activities that would disturb impacted soil at this specific location. No other metals were detected in exceedance of applicable screening criteria.

Based on the single detection of lead in exceedance of the construction worker ESL and California hazardous waste criteria, Rincon conducted step-out soil sampling adjacent to sample location WR-1 to delineate the extent of lead impacts. Lead was not detected in exceedance of construction worker or commercial/industrial ESLs; however, three samples exceeded California hazardous waste screening criteria and were subject to STLC and TCLP analysis. The STLC and TCLP results indicate that one sample exceeded California hazardous waste criteria.

The soil designated as California hazardous waste was delineated by step-out sampling and is limited to an approximate 5-feet by 10-feet rectangle encompassing soil samples WR1 and WR1-SWStep 1, extending to a depth of approximately 1-foot bgs (Figure 3). The total volume of soil with lead concentrations exceeding California hazardous waste criteria is estimated to be less than 2 cubic yards. Rincon recommends soil with California hazardous levels of lead be removed from the Project site and disposed of at an appropriately licensed facility. Based on these findings, permitting under South Coast Air Quality Management District Rule 1466 is not required during soil disturbance and removal activities because the volume of impacted soil does not exceed 50 cubic yards.

In addition, based on the presence of creosote-like material on the railroad ties, Rincon recommends a Soil Management Plan be prepared prior to Project construction and implemented during Project construction. The Soil Management Plan should provide guidance for management of visually impacted or odiferous soils that may be encountered during demolition and grading activities at the Project site and should provide a framework for minimizing fugitive dust during construction activities.

Finally, Rincon recommends railroad ties preserved with creosote are managed during Project construction in accordance with applicable California Department of Toxic Substances Control requirements, as outlined in the *DTSC Requirements for Generators of Treated Wood Waste Fact Sheet*.[5]

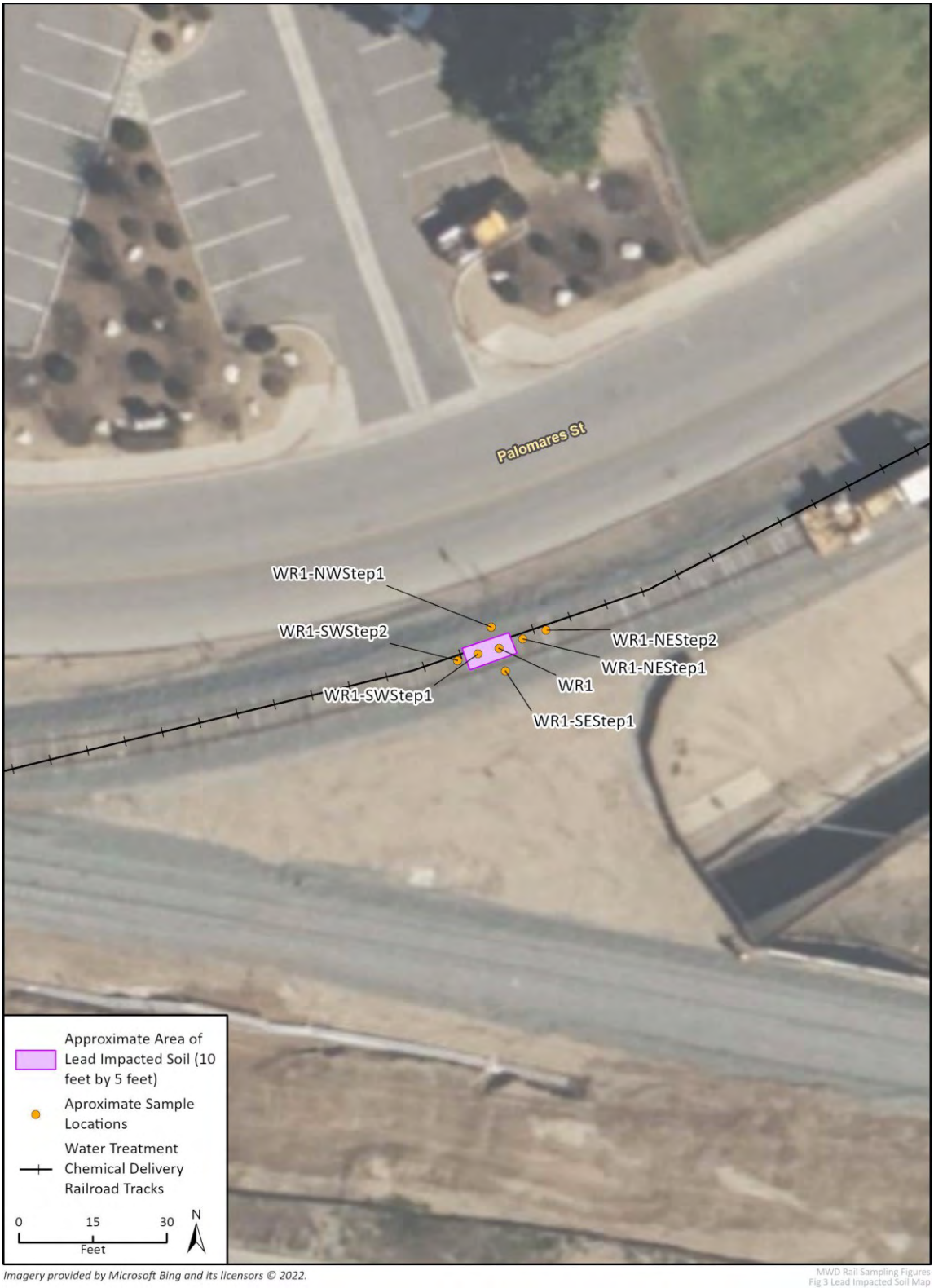
Limitations

This report has been prepared for and is intended for the exclusive use of Metropolitan. The contents of this report should not be relied upon by any other party without the written consent of Rincon Consultants, Inc.

Our conclusions regarding this site are based on the results of a limited subsurface sampling program. The results of this evaluation are qualified by the fact only limited sampling and analytical testing was conducted during this assessment. This scope was not intended to completely establish the quantities and distribution of contaminants present at the site or to determine the cost to remediate the site. The concentrations of contaminants measured at any given location may not be representative of conditions at other locations. Furthermore, conditions may change at any particular location as a function of time

[5] Available at: https://dtsc.ca.gov/requirements-for-generators-of-treated-wood-waste-tww-fact-sheet/

Figure 3 Extent of Soil Exceeding California Hazardous Waste Criteria



in response to natural conditions, chemical reactions, and other events. Conclusions regarding the condition of the site do not represent a warranty all areas within the site are similar to those sampled.

We appreciate the opportunity to support Metropolitan with this Hazardous Materials Report. If you have any questions regarding this report, please contact Ryan Thacher at (213) 254-3733 or rthacher@rinconconsultants.com.

Sincerely,
Rincon Consultants, Inc.

This document has been digitally signed and sealed by Ryan Thacher, PhD, PE on 10/28/2022.

Ryan Thacher, PhD, PE
Director

Jonathan Bridgeman, MS
Environmental Scientist

Attachments

Table 1 Summary of Soil Analytical Results—Metals
Table 2 Summary of Soil Analytical Results—Total Petroleum Hydrocarbons (TPH)
Table 3 Summary of Soil Analytical Results—Semi-Volatile Organic Compounds (SVOCs)
Attachment 1 Site Photographs
Attachment 2 Analytical Laboratory Reports

References

California Department of Toxic Substances Control. 2020. *Human Health Risk Assessment (HHRA) Note Number 11, Southern California Ambient Arsenic Screening Level*. December 28, 2020.

California Natural Resources Agency. 2003. 4-013 San Gabriel Valley Basin Boundary Description.

CDM Smith Inc. 2022. *Summer 2022 Groundwater Monitoring Report,* 1330 Arrow Highway, La Verne, California. July 15, 2022.

Kearney Foundation (Kearney). 1996. *Background Concentrations of Trace and Major Elements in California Soils.* Kearney Foundation of Soil Science Division of Agriculture and Natural Resources University of California. March 1996.

San Francisco Bay Regional Water Quality Control Board (San Francisco Bay RWQCB). 2019a. Environmental Screening Levels, Commercial/Industrial: Shallow Soil Exposure, Construction Worker: Any Land Use/Any Depth Soil Exposure - Direct Exposure Human Health Risk Levels (Table S-1).

San Francisco Bay RWQCB. 2019b. *User's Guide: Derivation and Application of Environmental Screening Levels (ESLs)*. Interim Final (Revision 1). 2019.

United States Department of Agriculture. 2004. *Polycyclic Aromatic Hydrocarbon Migration From Creosote-Treated Railway Ties Into Ballast and Adjacent Wetlands.* Research Paper FPL-RP-617. June 2004.

United States Geological Survey. 2021. San Dimas Quadrangle, California.

Tables

Table 1
Summary of Soil Analytical Results - Metals
Samples Collected on July 11 and October 4, 2022

Sample ID	Sample Date	Sample Depth (feet bgs)	EPA Method 6010B									STLC Waste Extraction Test	EPA 1311	EPA Method 7471A	EPA Method 6010B						
			Antimony	Arsenic[1]	Barium	Beryllium	Cadmium	Chromium[2]	Cobalt	Copper	Lead	Lead - STLC	Lead - TCLP	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			Concentration (mg/kg)									mg/L		mg/kg							
WR-1	7/11/2022	0.5	<1.4	<0.80	**61**	<0.20	<0.10	**13**	**8.3**	**76**	**170**	**13**	**0.11**	<0.080	<0.20	**19**	<2.2	<0.50	<1.7	**26**	**87**
		1.5	<1.4	<0.80	**38**	<0.20	<0.10	**4.6**	**4.0**	**9.2**	**5.1**	--	--	<0.080	<0.20	**5.2**	<2.2	<0.50	<1.7	**14**	**18**
WR-2		1.0	<1.4	<0.80	**71**	<0.20	<0.10	**12**	**6.8**	**19**	**8.9**	--	--	<0.080	<0.20	**7.8**	<2.2	<0.50	<1.7	**24**	**44**
WR-3		0.5	<1.4	<0.80	**50**	<0.20	<0.10	**6.3**	**5.7**	**16**	**6.3**	--	--	<0.080	<0.20	**5.7**	<2.2	<0.50	<1.7	**17**	**29**
		1.5	<1.4	<0.80	**70**	<0.20	<0.10	**9.2**	**6.5**	**14**	**3.3**	--	--	<0.080	<0.20	**6.9**	<2.2	<0.50	<1.7	**21**	**32**
WR-4		0.5	<1.4	<0.80	**43**	<0.20	<0.10	**4.8**	**5.2**	**14**	**8.0**	--	--	<0.080	<0.20	**5.1**	<2.2	<0.50	<1.7	**16**	**26**
		1.5	<1.4	<0.80	**74**	<0.20	<0.10	**12**	**7.7**	**15**	**5.7**	--	--	<0.080	<0.20	**8.0**	<2.2	<0.50	<1.7	**25**	**38**
WR-5		0.5	<1.4	<0.80	**42**	<0.20	<0.10	**5.4**	**4.0**	**11**	**5.6**	--	--	<0.080	<0.20	**5.1**	<2.2	<0.50	<1.7	**14**	**23**
		1.5	<1.4	<0.80	**65**	<0.20	<0.10	**10**	**6.7**	**12**	**4.5**	--	--	<0.080	<0.20	**7.2**	<2.2	<0.50	<1.7	**22**	**34**
WR-6		0.5	<1.4	<0.80	**73**	<0.20	<0.10	**4.0**	**3.5**	**10**	**3.2**	--	--	<0.080	<0.20	**4.0**	<2.2	<0.50	<1.7	**12**	**18**
		1.5	<1.4	<0.80	**58**	<0.20	<0.10	**4.1**	**4.8**	**10**	<1.0	--	--	<0.080	<0.20	**4.3**	<2.2	<0.50	<1.7	**14**	**18**
WR-7		0.5	<1.4	<0.80	**360**	<0.20	<0.10	**5.0**	**4.4**	**22**	**7.8**	--	--	<0.080	<0.20	**5.5**	<2.2	<0.50	<1.7	**15**	**30**
		1.5	<1.4	<0.80	**65**	<0.20	<0.10	**5.5**	**4.7**	**15**	**5.4**	--	--	<0.080	<0.20	**5.3**	<2.2	<0.50	<1.7	**16**	**25**
WR-8		0.5	<1.4	<0.80	**36**	<0.20	<0.10	**4.7**	**4.0**	**11**	**4.3**	--	--	<0.080	<0.20	**4.7**	<2.2	<0.50	<1.7	**13**	**22**
		1.5	<1.4	<0.80	**66**	<0.20	<0.10	**8.2**	**6.7**	**14**	**4.1**	--	--	<0.080	<0.20	**6.9**	<2.2	<0.50	<1.7	**25**	**28**
WR-9		0.5	<1.4	<0.80	**36**	<0.20	<0.10	**3.2**	**4.2**	**12**	**3.7**	--	--	<0.080	<0.20	**3.9**	<2.2	<0.50	<1.7	**13**	**19**
		1.5	<1.4	<0.80	**38**	<0.20	<0.10	**4.2**	**4.3**	**9.2**	<1.0	--	--	<0.080	<0.20	**4.1**	<2.2	<0.50	<1.7	**15**	**19**
WR-10		0.5	<1.4	<0.80	**51**	<0.20	<0.10	**7.3**	**5.1**	**22**	**32**	--	--	<0.080	<0.20	**7.4**	<2.2	<0.50	<1.7	**17**	**51**
		1.5	<1.4	<0.80	**54**	<0.20	<0.10	**7.0**	**5.6**	**12**	**7.0**	--	--	<0.080	<0.20	**6.0**	<2.2	<0.50	<1.7	**20**	**26**
WR1-SWStep1	10/4/2022	0.5	-	-	-	-	-	-	-	-	**93.0**	**5.4**	<0.10	-	-	-	-	-	-	-	-
		1.5	-	-	-	-	-	-	-	-	**98.0**	**4.4**	<0.10	-	-	-	-	-	-	-	-
WR1-SWStep2		0.5	-	-	-	-	-	-	-	-	**18.0**	-	-	-	-	-	-	-	-	-	-
WR1-SEStep1		0.5	-	-	-	-	-	-	-	-	**37.0**	-	-	-	-	-	-	-	-	-	-
WR1-NEStep1		0.5	-	-	-	-	-	-	-	-	**62.0**	**0.9**	<0.10	-	-	-	-	-	-	-	-
		1.5	-	-	-	-	-	-	-	-	**23.0**	-	-	-	-	-	-	-	-	-	-
WR1-NEStep2		0.5	-	-	-	-	-	-	-	-	**20.0**	-	-	-	-	-	-	-	-	-	-
WR1-NWStep1		0.5	-	-	-	-	-	-	-	-	**8.5**	-	-	-	-	-	-	-	-	-	-
Construction Worker ESLs			*50*	*0.98*	*3,000*	*27*	*51*	*NE*	*28*	*14,000*	*160*	--	--	*44*	*1,800*	*86*	*1,700*	*1,800*	*3.5*	*470*	*110,000*
Commercial/Industrial ESLs			*160*	*0.31*	*220,000*	*230*	*1100*	*NE*	*350*	*47,000*	*320*	--	--	*190*	*5,800*	*11,000*	*5,800*	*5,800*	*12*	*5,800*	*350,000*
Lead Hazardous Waste Criteria			--	--	--	--	--	--	--	--	--	*5*	*5*	--	--	--	--	--	--	--	--

Notes

1 - Arsenic concentrations also compared to Department of Toxic Substances Control Human Health Risk Assessment Note 11 (December 2020), Southern California Ambient Arsenic Screening Level of 12 mg/kg

2 - Only Tier 1 ESLs have been established for total chromium

Definitions

bold - Analyte detected above method detection limit

- Concentrations detected above Construction Worker ESLs

- Concentrations detected above Commercial/Industrial ESLs

- Concentrations detected above lead hazardous waste screening criteria

50 - Concentrations detected above the STLC Threshold

100 - Concentrations detected above the STLC and TCLP Threshold

< - not detected above the method detection limit

-- - not analyzed/not applicable

mg/kg - milligrams per kilogram

mg/L - milligrams per liter

bgs - below ground surface

NE - not established

STLC - soluble threshold limit concentration

TCLP - toxicity characteristic leaching procedure

ESLs - Environmental Screening Levels, San Francisco Bay Regional Water Quality Control Board, July 2019, Revision 2, Direct Exposure Human Health Risk Levels (Table S-1), Cancer Risk or Non-Cancer Hazard (lower value selected) for: Consutruction Worker and Commercial/Industrial Shallow Soil Exposure

Table 2
Summary of Soil Analytical Results - Total Petroleum Hydrocarbons (TPH)
Samples Collected on July 11, 2022

Sample ID	Sample Date	Sample Depth (feet bgs)	TPH - EPA Method 8015B		
			Gasoline Range	Diesel Range	Motor Oil Range
			Concentration (mg/kg)		
WR-1	7/11/2022	0.5	<0.76	<0.66	**120 D-06**
		1.5	<0.76	<0.66	<0.56
WR-2		1.0	<0.76	<0.66	**69 D-06**
WR-3		0.5	<0.76	<0.66	<0.56
		1.5	<0.76	<0.66	**49 D-06**
WR-4		0.5	<0.76	<0.66	**37 D-06**
		1.5	<0.76	<0.66	<0.56
WR-5		0.5	<0.76	**10 D-06**	**73 D-06**
		1.5	<0.76	<0.66	**41 D-06**
WR-6		0.5	<0.76	<0.66	**41 D-06**
		1.5	<0.76	<0.66	<0.56
WR-7		0.5	<0.76	<0.66	**33 D-06**
		1.5	<0.76	<0.66	**28 D-06**
WR-8		0.5	<0.76	<0.66	**65 D-06**
		1.5	<0.76	<0.66	**35 D-06**
WR-9		0.5	<0.76	<0.66	**34 D-06**
		1.5	<0.76	<0.66	<0.56
WR-10		0.5	<0.76	<0.66	**57 D-06**
		1.5	<0.76	<0.66	**23 D-06**
Construction Worker ESLs			*1,800*	*1,100*	*54,000*
Commercial/Industrial ESLs			*2,000*	*1,200*	*180,000*

Notes

D-06 - The sample chromatographic pattern does not resemble the fuel standard used for quantitation

Definitions

bold - Analyte detected above method detection limit

< - not detected above the method detection limit

mg/kg - milligrams per kilogram

bgs - below ground surface

TPH - total petroleum hydrocarbons

ESLs - Environmental Screening Levels, San Francisco Bay Regional Water Quality Control Board, July 2019, Revision 2, Direct Exposure Human Health Risk Levels (Table S-1), Cancer Risk or Non-Cancer Hazard (lower value selected) for: Consutruction Worker and Commercial/Industrial Shallow Soil Exposure

Table 3
Summary of Soil Analytical Results - Semi-Volatile Organic Compounds (SVOCs)
Samples Collected on July 11, 2022

Sample ID	Sample Date	Sample Depth (feet bgs)	EPA Method 8270C		
			Acenaphthene	Creosote	Pyrene
			Concentration (mg/kg)		
WR-1	7/11/2022	0.5	<0.0016	**0.31**	**3.0**
		1.5	<0.0016	<0.30	**0.55**
WR-2		1.0	<0.0016	**0.31**	**26**
WR-3		0.5	<0.0016	<0.30	<0.0012
		1.5	<0.016	<0.30	<0.012
WR-4		0.5	<0.0016	<0.30	**0.53**
		1.5	<0.0016	<0.30	<0.0012
WR-5		0.5	**0.22**	**0.41**	**8.6**
		1.5	<0.0016	<0.30	<0.0012
WR-6		0.5	<0.0016	**0.42**	**1.3**
		1.5	<0.0016	<0.30	<0.0012
WR-7		0.5	**0.10**	<0.30	**0.61**
		1.5	<0.0016	<0.30	**0.49**
WR-8		0.5	<0.0016	<0.30	**1.2**
		1.5	<0.0016	<0.30	**0.79**
WR-9		0.5	<0.0016	<0.30	**0.94**
		1.5	<0.0016	<0.30	<0.0012
WR-10		0.5	<0.0016	<0.30	**3.2**
		1.5	<0.0016	<0.30	**0.98**
Construction Worker ESLs			*10,000*	*NE*	*5,000*
Commercial/Industrial ESLs			*45,000*	*NE*	*23,000*

Definitions

bold - Analyte detected above method detection limit

< - not detected above the method detection limit

mg/kg - milligrams per kilogram

bgs - below ground surface

NE - not established

ESLs - Environmental Screening Levels, San Francisco Bay Regional Water Quality Control Board, July 2019, Revision 2, Direct Exposure Human Health Risk Levels (Table S-1), Cancer Risk or Non-Cancer Hazard (lower value selected) for: Consutruction Worker and Commercial/Industrial Shallow Soil Exposure

Attachment 1

Site Photographs

Photograph 1. Example of a single sampling location along the water treatment chemical delivery railroad tracks. Soil was sampled at the mid-point between railroad ties.

Photograph 2. Railroad tie along the water treatment chemical delivery railroad tracks discolored with a creosote-like material.

Attachment 2

Analytical Laboratory Reports

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

19 August 2022

Ryan Thacher
Rincon Consultants, Inc. - Ventura
180 N. Ashwood Ave.
Ventura, CA 93003

RE: Weymouth Rail Sampling

Enclosed are the results of analyses for samples received by the laboratory on 07/11/22 17:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Lee
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

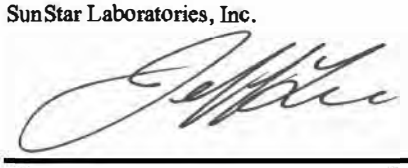
Rincon Consultants, Inc. - Ventura	Project: Weymouth Rail Sampling	
180 N. Ashwood Ave.	Project Number: 22-12248	**Reported:**
Ventura CA, 93003	Project Manager: Ryan Thacher	08/19/22 13:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WR-1-0.5	T221973-11	Soil	07/11/22 10:45	07/11/22 17:45

Herbicide analysis was sub-contracted to McCampbell Labs for analysis. Sub-contract report is located after CoC section of this report. JL 7/21/22

SunStar Laboratories, Inc.



Jeff Lee, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

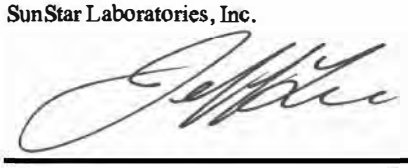
Rincon Consultants, Inc. - Ventura	Project: Weymouth Rail Sampling	
180 N. Ashwood Ave.	Project Number: 22-12248	**Reported:**
Ventura CA, 93003	Project Manager: Ryan Thacher	08/19/22 13:45

DETECTIONS SUMMARY

Sample ID: WR-1-0.5 **Laboratory ID:** T221973-11

Analyte	Result	Reporting Limit	Units	Method	Notes
Lead	**0.11**	0.10	mg/l	EPA 1311	
Lead	**13**	0.50	mg/l	STLC Waste Extraction T	

SunStar Laboratories, Inc.



Jeff Lee, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants, Inc. - Ventura	Project: Weymouth Rail Sampling	
180 N. Ashwood Ave.	Project Number: 22-12248	**Reported:**
Ventura CA, 93003	Project Manager: Ryan Thacher	08/19/22 13:45

WR-1-0.5

T221973-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
TCLP Metals by 6000/7000 Series Methods									
Lead	**0.11**	0.10	mg/l	1	22H0190	08/15/22	08/17/22	EPA 1311	
STLC Metals by 6000/7000 Series Methods									
Lead	**13**	0.50	mg/l	1	22H0191	08/15/22	08/18/22	STLC Waste Extraction Test	

SunStar Laboratories, Inc.

Jeff Lee, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

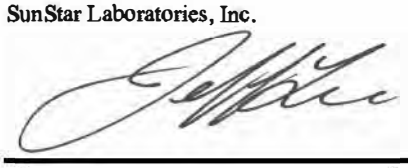
Rincon Consultants, Inc. - Ventura	Project: Weymouth Rail Sampling	
180 N. Ashwood Ave.	Project Number: 22-12248	**Reported:**
Ventura CA, 93003	Project Manager: Ryan Thacher	08/19/22 13:45

TCLP Metals by 6000/7000 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 22H0190 - TCLP Metals										
Blank (22H0190-BLK1)				Prepared: 08/15/22 Analyzed: 08/17/22						
Lead	ND	0.10	mg/l							
LCS (22H0190-BS1)				Prepared: 08/15/22 Analyzed: 08/17/22						
Lead	0.451	0.10	mg/l	0.500		90.3	75-125			
Matrix Spike (22H0190-MS1)	Source: T221973-11			Prepared: 08/15/22 Analyzed: 08/17/22						
Lead	0.589	0.10	mg/l	0.500	0.113	95.1	75-125			
Matrix Spike Dup (22H0190-MSD1)	Source: T221973-11			Prepared: 08/15/22 Analyzed: 08/17/22						
Lead	0.563	0.10	mg/l	0.500	0.113	89.9	75-125	4.45	30	

SunStar Laboratories, Inc.



Jeff Lee, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants, Inc. - Ventura	Project: Weymouth Rail Sampling	
180 N. Ashwood Ave.	Project Number: 22-12248	**Reported:**
Ventura CA, 93003	Project Manager: Ryan Thacher	08/19/22 13:45

STLC Metals by 6000/7000 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 22H0191 - STLC Metals										
Blank (22H0191-BLK1)				Prepared: 08/15/22 Analyzed: 08/18/22						
Lead	ND	0.50	mg/l							
LCS (22H0191-BS1)				Prepared: 08/15/22 Analyzed: 08/18/22						
Lead	8.86	0.50	mg/l	10.0		88.6	75-125			
Matrix Spike (22H0191-MS1)		Source: T221973-11		Prepared: 08/15/22 Analyzed: 08/18/22						
Lead	22.6	0.50	mg/l	10.0	12.7	98.3	75-125			
Matrix Spike Dup (22H0191-MSD1)		Source: T221973-11		Prepared: 08/15/22 Analyzed: 08/18/22						
Lead	22.9	0.50	mg/l	10.0	12.7	101	75-125	1.34	30	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants, Inc. - Ventura	Project: Weymouth Rail Sampling	
180 N. Ashwood Ave.	Project Number: 22-12248	**Reported:**
Ventura CA, 93003	Project Manager: Ryan Thacher	08/19/22 13:45

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting
NR	limit Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee, Project Manager

SunStar Laboratories, Inc.

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Rincon Consultants
Address: 180 N. Ashwood Ave. Ventura, CA 93003
Phone: 805·644·4455 Fax:
Project Manager: Ryan Thacher rthacher@rinconconsultants.com

Date: 7/11/22 Page: 1 Of 2
Project Name: Weymouth Rail Sampling (22-12248)
Collector: Sawyer Carman Client Project #: 22-12248
Batch #: T221973 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	Creosote	Herbicides	OCPs	TPH g,d,o	Comments/Preservative	Total # of containers
01	WR6-0.5	7.11.22	742	Soil	6x Jar									X		X	X	X	X	If we encounter	
02	WR6-1.5		758											X		X			X	Herbicides &	
03	WR7-0.5		815											X		X	X	X	X	OCPs in shallow	
04	WR7-1.5		830											X		X			X	0.5 samples, we	
05	WR8-0.5		845											X		X	X	X	X	will likely run	
06	WR8-1.5		850											X		X			X	same analysis	
07	WR9-0.5		910											X		X	X	X	X	for deeper 1.5	
04	WR9-1.5		922											X		X			X	samples. Please	
09	WR10-0.5		943											X		X	X	X	X	account for this	
10	WR10-1.5		955											X		X			X		
11	WR1-0.5		1045											X		X	X	X	X		
12	WR1-1.5		1055											X		X			X		
13	WR2 1.0		1116											X		X	X	X	X		
14	WR3-0.5		1130											X		X	X	X	X		
15	WR3-1.5		1140											X		X			X		

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	7.11.22 / 1425	[signature]	7-11-22 / 1425
[signature]	7-11-22 / 17:45	[signature]	7-11-22 / 17:45

Total # of containers
Chain of Custody seals Y/N/NA: N
Seals intact? Y/N/NA: NA
Received good condition/cold: 3.9°C

Turn around time:

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Rincon Consultants
Address: 180 N. Ashwood Ave. Ventura, CA 93003
Phone: (805) 644-4455 Fax:
Project Manager: Ryan Thacher rthacher@rinconconsultants.com

Date: 7/11/22 Page: 2 Of 2
Project Name: Weymouth Rail Sampling
Collector: Sawyer Carman Client Project #: 22-12248
Batch #: T221973 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	Creosote	Herbicides	OCP's	TPH 418.1	Comments/Preservative	Total # of containers
16	WR4-0.5	7-11-22	1155	Soil	G Jar									X		X	X	X	X	See comment on pg. 1	
17	WR4-1.5		1212											X		X					
18	WR5-0.5		1255											X		X	X	X	X		
19	WR5-2.5		1310											X		X			X		

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	7-11-22 1425	[signature]	7-11-22 14:25
[signature]	7-11-22 17:45	[signature]	7-11-22 17:45

Total # of containers:
Chain of Custody seals Y/N/NA: N
Seals intact? Y/N/NA: NA
Received good condition/cold: 3.4°C

Turn around time:

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

Rev. 02B Date 08/21
Receiving Form 001A

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T221973

Client Name: Rincon Consultants Project: Weymouth Rail Sampling (22-12248)

Delivered by: ☐ Client ☑ SunStar Courier ☐ GLS ☐ FedEx ☐ Other

If Courier, Received by: Travis Date/Time Courier Received: 7-11-22 14:25

Lab Received by:e Paul Date/Time Lab Received: 7-11-22 17:45

Total number of coolers received: Thermometer ID: SC-Gun Calibration due : 8/4/22

Temperature: Cooler #1	3.8 °C +/- the CF (+ 0.1°C)	=	3.9	°C corrected temperature
Temperature: Cooler #2	°C +/- the CF (+ 0.1°C)	=		°C corrected temperature
Temperature: Cooler #3	°C +/- the CF (+ 0.1°C)	=		°C corrected temperature

Temperature criteria = ≤ 6°C (no frozen containers)	Within criteria?	☑ **Yes** ☐ **No** ☐ **N/A**
If NO:		
Samples received on ice?	☐ Yes	☐ **No→ Complete Non-Conformance Sheet**
If on ice, samples received same day collected?	☐ Yes → Acceptable	☐ **No→ Complete Non-Conformance Sheet**

Custody seals intact on cooler/sample	☐ Yes	☐ No*	☑ N/A
Sample containers intact	☑ Yes	☐ No*	
Sample labels match Chain of Custody IDs	☑ Yes	☐ No*	
Total number of containers received match COC	☑ Yes	☐ No*	
Proper containers received for analyses requested on COC	☑ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested	☐ Yes	☐ No*	☑ N/A
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times	☑ **Yes**	☐ **No***	

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date: TB 7-11-22

Comments:

(949) 297-5020 ■ www.sunstarlabs.com ■ 25712 Commercentre Drive ■ Lake Forest, CA 92630

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 2207709

Report Created for: SunStar Laboratories, Inc.

25712 Commercentre Drive
Lake Forest, CA 92630

Project Contact: Jeff Lee
Project P.O.:
Project: T221973

Project Received: 07/13/2022

Analytical Report reviewed & approved for release on 07/20/2022 by:

Yen Cao
Project Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in a case narrative.

McCampbell Analytical, Inc.
"When Quality Counts!"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com/ E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: SunStar Laboratories, Inc. **WorkOrder:** 2207709

Project: T221973

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPKVal	Spike Value
SPKRefVal	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

McCampbell Analytical, Inc.
"When Quality Counts!"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com/ E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: SunStar Laboratories, Inc. **WorkOrder:** 2207709
Project: T221973

Analytical Qualifiers

a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.

McCampbell Analytical, Inc.
"When Quality Counts!"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com/ E-mail: main@mccampbell.com

Analytical Report

Client:	SunStar Laboratories, Inc.	**WorkOrder:**	2207709
Date Received:	07/13/2022 9:57	**Extraction Method:**	SW8151A
Date Prepared:	07/15/2022	**Analytical Method:**	SW8151A
Project:	T221973	**Unit:**	mg/kg

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T221973-01	2207709-001A	Soil	07/11/2022 07:42	GC15A 07182221.D	249631

Analytes	Result	RL	DF	Date Analyzed
Acifluorfen	ND	0.10	10	07/18/2022 23:05
Bentazon	ND	0.10	10	07/18/2022 23:05
Chloramben	ND	0.10	10	07/18/2022 23:05
2,4-D (Dichlorophenoxyacetic acid)	ND	0.10	10	07/18/2022 23:05
2,4-DB	ND	0.10	10	07/18/2022 23:05
Dalapon	ND	0.10	10	07/18/2022 23:05
DCPA (mono & diacid)	ND	0.10	10	07/18/2022 23:05
Dicamba	ND	0.10	10	07/18/2022 23:05
3,5-Dichlorobenzoic Acid	ND	0.10	10	07/18/2022 23:05
Dichloroprop	ND	0.10	10	07/18/2022 23:05
Dinoseb (DNBP)	ND	0.10	10	07/18/2022 23:05
MCPA	ND	10	10	07/18/2022 23:05
MCPP	ND	10	10	07/18/2022 23:05
4-Nitrophenol	ND	0.10	10	07/18/2022 23:05
Pentachlorophenol (PCP)	ND	0.10	10	07/18/2022 23:05
Picloram	ND	0.10	10	07/18/2022 23:05
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.10	10	07/18/2022 23:05
2,4,5-TP (Silvex)	ND	0.10	10	07/18/2022 23:05

Surrogates	REC(%)	Limits	
DCAA	94	63-121	07/18/2022 23:05

Analyst(s): DP Analytical Comments: a3

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts!"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com/ E-mail: main@mccampbell.com

Analytical Report

Client:	SunStar Laboratories, Inc.	**WorkOrder:**	2207709
Date Received:	07/13/2022 9:57	**Extraction Method:**	SW8151A
Date Prepared:	07/15/2022	**Analytical Method:**	SW8151A
Project:	T221973	**Unit:**	mg/kg

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T221973-03	2207709-003A	Soil	07/11/2022 08:15	GC15A 07182222.D	249631

Analytes	Result	RL	DF	Date Analyzed
Acifluorfen	ND	0.10	10	07/18/2022 23:30
Bentazon	ND	0.10	10	07/18/2022 23:30
Chloramben	ND	0.10	10	07/18/2022 23:30
2,4-D (Dichlorophenoxyacetic acid)	ND	0.10	10	07/18/2022 23:30
2,4-DB	ND	0.10	10	07/18/2022 23:30
Dalapon	ND	0.10	10	07/18/2022 23:30
DCPA (mono & diacid)	ND	0.10	10	07/18/2022 23:30
Dicamba	ND	0.10	10	07/18/2022 23:30
3,5-Dichlorobenzoic Acid	ND	0.10	10	07/18/2022 23:30
Dichloroprop	ND	0.10	10	07/18/2022 23:30
Dinoseb (DNBP)	ND	0.10	10	07/18/2022 23:30
MCPA	ND	10	10	07/18/2022 23:30
MCPP	ND	10	10	07/18/2022 23:30
4-Nitrophenol	ND	0.10	10	07/18/2022 23:30
Pentachlorophenol (PCP)	ND	0.10	10	07/18/2022 23:30
Picloram	ND	0.10	10	07/18/2022 23:30
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.10	10	07/18/2022 23:30
2,4,5-TP (Silvex)	ND	0.10	10	07/18/2022 23:30

Surrogates	REC(%)	Limits	
DCAA	87	63-121	07/18/2022 23:30

Analyst(s): DP Analytical Comments: a3

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts!"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com/ E-mail: main@mccampbell.com

Analytical Report

Client:	SunStar Laboratories, Inc.	**WorkOrder:**	2207709
Date Received:	07/13/2022 9:57	**Extraction Method:**	SW8151A
Date Prepared:	07/15/2022	**Analytical Method:**	SW8151A
Project:	T221973	**Unit:**	mg/kg

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T221973-05	2207709-005A	Soil	07/11/2022 08:45	GC15A 07182223.D	249631

Analytes	Result	RL	DF	Date Analyzed
Acifluorfen	ND	0.20	20	07/18/2022 23:55
Bentazon	ND	0.20	20	07/18/2022 23:55
Chloramben	ND	0.20	20	07/18/2022 23:55
2,4-D (Dichlorophenoxyacetic acid)	ND	0.20	20	07/18/2022 23:55
2,4-DB	ND	0.20	20	07/18/2022 23:55
Dalapon	ND	0.20	20	07/18/2022 23:55
DCPA (mono & diacid)	ND	0.20	20	07/18/2022 23:55
Dicamba	ND	0.20	20	07/18/2022 23:55
3,5-Dichlorobenzoic Acid	ND	0.20	20	07/18/2022 23:55
Dichloroprop	ND	0.20	20	07/18/2022 23:55
Dinoseb (DNBP)	ND	0.20	20	07/18/2022 23:55
MCPA	ND	20	20	07/18/2022 23:55
MCPP	ND	20	20	07/18/2022 23:55
4-Nitrophenol	ND	0.20	20	07/18/2022 23:55
Pentachlorophenol (PCP)	ND	0.20	20	07/18/2022 23:55
Picloram	ND	0.20	20	07/18/2022 23:55
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.20	20	07/18/2022 23:55
2,4,5-TP (Silvex)	ND	0.20	20	07/18/2022 23:55

Surrogates	REC(%)	Limits	
DCAA	96	63-121	07/18/2022 23:55

Analyst(s): DP Analytical Comments: a3

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts!"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com/ E-mail: main@mccampbell.com

Analytical Report

Client:	SunStar Laboratories, Inc.	**WorkOrder:**	2207709
Date Received:	07/13/2022 9:57	**Extraction Method:**	SW8151A
Date Prepared:	07/15/2022	**Analytical Method:**	SW8151A
Project:	T221973	**Unit:**	mg/kg

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T221973-07	2207709-007A	Soil	07/11/2022 09:10	GC15A 07182224.D	249631

Analytes	Result	RL	DF	Date Analyzed
Acifluorfen	ND	0.20	20	07/19/2022 00:20
Bentazon	ND	0.20	20	07/19/2022 00:20
Chloramben	ND	0.20	20	07/19/2022 00:20
2,4-D (Dichlorophenoxyacetic acid)	ND	0.20	20	07/19/2022 00:20
2,4-DB	ND	0.20	20	07/19/2022 00:20
Dalapon	ND	0.20	20	07/19/2022 00:20
DCPA (mono & diacid)	ND	0.20	20	07/19/2022 00:20
Dicamba	ND	0.20	20	07/19/2022 00:20
3,5-Dichlorobenzoic Acid	ND	0.20	20	07/19/2022 00:20
Dichloroprop	ND	0.20	20	07/19/2022 00:20
Dinoseb (DNBP)	ND	0.20	20	07/19/2022 00:20
MCPA	ND	20	20	07/19/2022 00:20
MCPP	ND	20	20	07/19/2022 00:20
4-Nitrophenol	ND	0.20	20	07/19/2022 00:20
Pentachlorophenol (PCP)	ND	0.20	20	07/19/2022 00:20
Picloram	ND	0.20	20	07/19/2022 00:20
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.20	20	07/19/2022 00:20
2,4,5-TP (Silvex)	ND	0.20	20	07/19/2022 00:20

Surrogates	REC(%)	Limits	
DCAA	78	63-121	07/19/2022 00:20

Analyst(s): DP Analytical Comments: a3

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP

McCampbell Analytical, Inc.
"When Quality Counts!"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	SunStar Laboratories, Inc.	**WorkOrder:**	2207709
Date Received:	07/13/2022 9:57	**Extraction Method:**	SW8151A
Date Prepared:	07/15/2022	**Analytical Method:**	SW8151A
Project:	T221973	**Unit:**	mg/kg

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T221973-09	2207709-009A	Soil	07/11/2022 09:43	GC15A 07152240.D	249631

Analytes	Result	RL	DF	Date Analyzed
Acifluorfen	ND	0.20	20	07/16/2022 06:13
Bentazon	ND	0.20	20	07/16/2022 06:03
Chloramben	ND	0.20	20	07/16/2022 06:13
2,4-D (Dichlorophenoxyacetic acid)	ND	0.20	20	07/16/2022 06:13
2,4-DB	ND	0.20	20	07/16/2022 06:13
Dalapon	ND	0.20	20	07/16/2022 06:13
DCPA (mono & diacid)	ND	0.20	20	07/16/2022 06:03
Dicamba	ND	0.20	20	07/16/2022 06:13
3,5-Dichlorobenzoic Acid	ND	0.20	20	07/16/2022 06:13
Dichloroprop	ND	0.20	20	07/16/2022 06:03
Dinoseb (DNBP)	ND	0.20	20	07/16/2022 06:03
MCPA	ND	20	20	07/16/2022 06:13
MCPP	ND	20	20	07/16/2022 06:13
4-Nitrophenol	ND	0.20	20	07/16/2022 06:13
Pentachlorophenol (PCP)	ND	0.20	20	07/16/2022 06:13
Picloram	ND	0.20	20	07/16/2022 06:13
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.20	20	07/16/2022 06:13
2,4,5-TP (Silvex)	ND	0.20	20	07/16/2022 06:13

Surrogates	REC(%)	Limits	
DCAA	71	60-140	07/16/2022 06:13

Analyst(s): DP Analytical Comments: a3

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts!"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com/ E-mail: main@mccampbell.com

Analytical Report

Client:	SunStar Laboratories, Inc.	**WorkOrder:**	2207709
Date Received:	07/13/2022 9:57	**Extraction Method:**	SW8151A
Date Prepared:	07/15/2022	**Analytical Method:**	SW8151A
Project:	T221973	**Unit:**	mg/kg

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T221973-11	2207709-011A	Soil	07/11/2022 10:45	GC15A 07182225.D	249631

Analytes	Result	RL	DF	Date Analyzed
Acifluorfen	ND	0.50	50	07/19/2022 00:45
Bentazon	ND	0.50	50	07/19/2022 00:45
Chloramben	ND	0.50	50	07/19/2022 00:45
2,4-D (Dichlorophenoxyacetic acid)	ND	0.50	50	07/19/2022 00:45
2,4-DB	ND	0.50	50	07/19/2022 00:45
Dalapon	ND	0.50	50	07/19/2022 00:45
DCPA (mono & diacid)	ND	0.50	50	07/19/2022 00:45
Dicamba	ND	0.50	50	07/19/2022 00:45
3,5-Dichlorobenzoic Acid	ND	0.50	50	07/19/2022 00:45
Dichloroprop	ND	0.50	50	07/19/2022 00:45
Dinoseb (DNBP)	ND	0.50	50	07/19/2022 00:45
MCPA	ND	50	50	07/19/2022 00:45
MCPP	ND	50	50	07/19/2022 00:45
4-Nitrophenol	ND	0.50	50	07/19/2022 00:45
Pentachlorophenol (PCP)	ND	0.50	50	07/19/2022 00:45
Picloram	ND	0.50	50	07/19/2022 00:45
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.50	50	07/19/2022 00:45
2,4,5-TP (Silvex)	ND	0.50	50	07/19/2022 00:45

Surrogates	REC(%)	Limits	
DCAA	113	63-121	07/19/2022 00:45

Analyst(s): DP Analytical Comments: a3

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts!"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com/ E-mail: main@mccampbell.com

Analytical Report

Client:	SunStar Laboratories, Inc.	**WorkOrder:**	2207709
Date Received:	07/13/2022 9:57	**Extraction Method:**	SW8151A
Date Prepared:	07/15/2022	**Analytical Method:**	SW8151A
Project:	T221973	**Unit:**	mg/kg

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T221973-13	2207709-013A	Soil	07/11/2022 11:16	GC15A 07152232.D	249631

Analytes	Result	RL	DF	Date Analyzed
Acifluorfen	ND	0.20	20	07/16/2022 02:55
Bentazon	ND	0.20	20	07/16/2022 02:55
Chloramben	ND	0.20	20	07/16/2022 02:55
2,4-D (Dichlorophenoxyacetic acid)	ND	0.20	20	07/16/2022 02:55
2,4-DB	ND	0.20	20	07/16/2022 02:55
Dalapon	ND	0.20	20	07/16/2022 02:55
DCPA (mono & diacid)	ND	0.20	20	07/16/2022 02:55
Dicamba	ND	0.20	20	07/16/2022 02:55
3,5-Dichlorobenzoic Acid	ND	0.20	20	07/16/2022 02:55
Dichloroprop	ND	0.20	20	07/16/2022 02:55
Dinoseb (DNBP)	ND	0.20	20	07/16/2022 02:55
MCPA	ND	20	20	07/16/2022 02:55
MCPP	ND	20	20	07/16/2022 02:55
4-Nitrophenol	ND	0.20	20	07/16/2022 02:55
Pentachlorophenol (PCP)	ND	0.20	20	07/16/2022 02:55
Picloram	ND	0.20	20	07/16/2022 02:55
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.20	20	07/16/2022 02:55
2,4,5-TP (Silvex)	ND	0.20	20	07/16/2022 02:55

Surrogates	REC(%)	Limits	
DCAA	76	60-140	07/16/2022 02:55

Analyst(s): DP Analytical Comments: a3

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts!"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com/ E-mail: main@mccampbell.com

Analytical Report

Client:	SunStar Laboratories, Inc.	**WorkOrder:**	2207709
Date Received:	07/13/2022 9:57	**Extraction Method:**	SW8151A
Date Prepared:	07/15/2022	**Analytical Method:**	SW8151A
Project:	T221973	**Unit:**	mg/kg

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T221973-14	2207709-014A	Soil	07/11/2022 11:30	GC15A 07182226.D	249631

Analytes	Result	RL	DF	Date Analyzed
Acifluorfen	ND	0.20	20	07/19/2022 01:10
Bentazon	ND	0.20	20	07/19/2022 01:10
Chloramben	ND	0.20	20	07/19/2022 01:10
2,4-D (Dichlorophenoxyacetic acid)	ND	0.20	20	07/19/2022 01:10
2,4-DB	ND	0.20	20	07/19/2022 01:10
Dalapon	ND	0.20	20	07/19/2022 01:10
DCPA (mono & diacid)	ND	0.20	20	07/19/2022 01:10
Dicamba	ND	0.20	20	07/19/2022 01:10
3,5-Dichlorobenzoic Acid	ND	0.20	20	07/19/2022 01:10
Dichloroprop	ND	0.20	20	07/19/2022 01:10
Dinoseb (DNBP)	ND	0.20	20	07/19/2022 01:10
MCPA	ND	20	20	07/19/2022 01:10
MCPP	ND	20	20	07/19/2022 01:10
4-Nitrophenol	ND	0.20	20	07/19/2022 01:10
Pentachlorophenol (PCP)	ND	0.20	20	07/19/2022 01:10
Picloram	ND	0.20	20	07/19/2022 01:10
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.20	20	07/19/2022 01:10
2,4,5-TP (Silvex)	ND	0.20	20	07/19/2022 01:10

Surrogates	REC(%)	Limits	
DCAA	91	63-121	07/19/2022 01:10

Analyst(s): DP Analytical Comments: a3

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts!"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com/ E-mail: main@mccampbell.com

Analytical Report

Client:	SunStar Laboratories, Inc.	**WorkOrder:**	2207709
Date Received:	07/13/2022 9:57	**Extraction Method:**	SW8151A
Date Prepared:	07/15/2022	**Analytical Method:**	SW8151A
Project:	T221973	**Unit:**	mg/kg

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T221973-16	2207709-016A	Soil	07/11/2022 11:55	GC15A 0718227.D	249631

Analytes	Result	RL	DF	Date Analyzed
Acifluorfen	ND	0.10	10	07/19/2022 01:35
Bentazon	ND	0.10	10	07/19/2022 01:35
Chloramben	ND	0.10	10	07/19/2022 01:35
2,4-D (Dichlorophenoxyacetic acid)	ND	0.10	10	07/19/2022 01:35
2,4-DB	ND	0.10	10	07/19/2022 01:35
Dalapon	ND	0.10	10	07/19/2022 01:35
DCPA (mono & diacid)	ND	0.10	10	07/19/2022 01:35
Dicamba	ND	0.10	10	07/19/2022 01:35
3,5-Dichlorobenzoic Acid	ND	0.10	10	07/19/2022 01:35
Dichloroprop	ND	0.10	10	07/19/2022 01:35
Dinoseb (DNBP)	ND	0.10	10	07/19/2022 01:35
MCPA	ND	10	10	07/19/2022 01:35
MCPP	ND	10	10	07/19/2022 01:35
4-Nitrophenol	ND	0.10	10	07/19/2022 01:35
Pentachlorophenol (PCP)	ND	0.10	10	07/19/2022 01:35
Picloram	ND	0.10	10	07/19/2022 01:35
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.10	10	07/19/2022 01:35
2,4,5-TP (Silvex)	ND	0.10	10	07/19/2022 01:35

Surrogates	REC(%)	Limits	
DCAA	89	63-121	07/19/2022 01:35

Analyst(s): DP Analytical Comments: a3

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP

McCampbell Analytical, Inc.
"When Quality Counts!"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com/ E-mail: main@mccampbell.com

Analytical Report

Client:	SunStar Laboratories, Inc.	**WorkOrder:**	2207709
Date Received:	07/13/2022 9:57	**Extraction Method:**	SW8151A
Date Prepared:	07/15/2022	**Analytical Method:**	SW8151A
Project:	T221973	**Unit:**	mg/kg

Chlorinated Herbicides by GC-ECD

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
T221973-18	2207709-018A	Soil	07/11/2022 12:55	GC15A 07182228.D	249631

Analytes	Result	RL	DF	Date Analyzed
Acifluorfen	ND	0.20	20	07/19/2022 02:00
Bentazon	ND	0.20	20	07/19/2022 02:00
Chloramben	ND	0.20	20	07/19/2022 02:00
2,4-D (Dichlorophenoxyacetic acid)	ND	0.20	20	07/19/2022 02:00
2,4-DB	ND	0.20	20	07/19/2022 02:00
Dalapon	ND	0.20	20	07/19/2022 02:00
DCPA (mono & diacid)	ND	0.20	20	07/19/2022 02:00
Dicamba	ND	0.20	20	07/19/2022 02:00
3,5-Dichlorobenzoic Acid	ND	0.20	20	07/19/2022 02:00
Dichloroprop	ND	0.20	20	07/19/2022 02:00
Dinoseb (DNBP)	ND	0.20	20	07/19/2022 02:00
MCPA	ND	20	20	07/19/2022 02:00
MCPP	ND	20	20	07/19/2022 02:00
4-Nitrophenol	ND	0.20	20	07/19/2022 02:00
Pentachlorophenol (PCP)	ND	0.20	20	07/19/2022 02:00
Picloram	ND	0.20	20	07/19/2022 02:00
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.20	20	07/19/2022 02:00
2,4,5-TP (Silvex)	ND	0.20	20	07/19/2022 02:00

Surrogates	REC(%)	Limits	
DCAA	92	63-121	07/19/2022 02:00

Analyst(s): DP Analytical Comments: a3

McCampbell Analytical, Inc.
"When Quality Counts!"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	SunStar Laboratories, Inc.	**WorkOrder:**	2207709
Date Prepared:	07/15/2022	**BatchID:**	249631
Date Analyzed:	07/16/2022	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Soil	**Unit:**	mg/kg
Project:	T221973	**Sample ID:**	MB/LCS/LCSD-249631

QC Summary Report for SW8151A

Analyte	MB Result	MDL	RL	SPK Val	MBSS %REC	MBSS Limits
Acifluorfen	ND	0.0042	0.010	-	-	-
Bentazon	ND	0.0026	0.010	-	-	-
Chloramben	ND	0.0053	0.010	-	-	-
2,4-D (Dichlorophenoxyacetic acid)	ND	0.0038	0.010	-	-	-
2,4-DB	ND	0.0046	0.010	-	-	-
Dalapon	ND	0.0063	0.010	-	-	-
DCPA (mono & diacid)	ND	0.0042	0.010	-	-	-
Dicamba	ND	0.0025	0.010	-	-	-
3,5-Dichlorobenzoic Acid	ND	0.0034	0.010	-	-	-
Dichloroprop	ND	0.0028	0.010	-	-	-
Dinoseb (DNBP)	ND	0.0026	0.010	-	-	-
MCPA	ND	0.42	1.0	-	-	-
MCPP	ND	0.33	1.0	-	-	-
4-Nitrophenol	ND	0.0073	0.010	-	-	-
Pentachlorophenol (PCP)	ND	0.0019	0.010	-	-	-
Picloram	ND	0.0037	0.010	-	-	-
2,4,5-T (Trichlorophenoxy acetic acid)	ND	0.0026	0.010	-	-	-
2,4,5-TP (Silvex)	ND	0.0020	0.010	-	-	-
Surrogate Recovery						
DCAA	0.094			0.1	94	63-129

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP

McCampbell Analytical, Inc.
"When Quality Counts!"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	SunStar Laboratories, Inc.	**WorkOrder:**	2207709
Date Prepared:	07/15/2022	**BatchID:**	249631
Date Analyzed:	07/16/2022	**Extraction Method:**	SW8151A
Instrument:	GC15A	**Analytical Method:**	SW8151A
Matrix:	Soil	**Unit:**	mg/kg
Project:	T221973	**Sample ID:**	MB/LCS/LCSD-249631

QC Summary Report for SW8151A

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Acifluorfen	0.082	0.081	0.10	82	81	60-140	0.670	30
Bentazon	0.084	0.081	0.10	84	81	60-140	3.31	30
Chloramben	0.082	0.079	0.10	82	79	60-140	4.22	30
2,4-D (Dichlorophenoxyacetic acid)	0.084	0.082	0.10	84	82	67-147	3.33	30
2,4-DB	0.10	0.097	0.10	102	97	61-152	4.69	30
Dalapon	0.082	0.081	0.10	82	81	54-153	1.46	30
DCPA (mono & diacid)	0.074	0.071	0.10	74	71	60-140	4.43	30
Dicamba	0.088	0.085	0.10	88	85	60-146	3.61	30
3,5-Dichlorobenzoic Acid	0.085	0.083	0.10	85	83	60-140	3.12	30
Dichloroprop	0.083	0.080	0.10	83	81	60-140	2.97	30
Dinoseb (DNBP)	0.089	0.084	0.10	89	84	60-140	6.27	30
MCPA	7.5	7.5	10	75	75	60-140	0.709	30
MCPP	9.0	8.9	10	90	89	60-140	1.31	30
4-Nitrophenol	0.12	0.13	0.10	120	127	60-140	5.85	30
Pentachlorophenol (PCP)	0.088	0.084	0.10	88	84	60-140	4.27	30
Picloram	0.070	0.070	0.10	70	70	60-140	0.797	30
2,4,5-T (Trichlorophenoxy acetic acid)	0.086	0.083	0.10	86	83	60-140	4.45	30
2,4,5-TP (Silvex)	0.088	0.084	0.10	88	84	63-145	4.44	30
Surrogate Recovery								
DCAA	0.10	0.096	0.10	102	96	63-129	5.15	30

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2207709 **ClientCode: SSLF**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☐ Excel

Report to:
Jeff Lee
SunStar Laboratories, Inc.
25712 Commercentre Drive
Lake Forest, CA 92630
949-297-5020 FAX: 949-297-5027

Email: jefflee@sunstarlabs.com
cc/3rd Party:
PO:
Project: T221973

Bill to:
Accounts Payable
SunStar Laboratories, Inc.
25712 Commercentre Drive
Lake Forest, CA 92630
accounting@sunstarlabs.com

Requested TAT: 5 days;

Date Received: **07/13/2022**
Date Logged: **07/14/2022**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2207709-001	T221973-01	Soil	7/10/2022 07:42	☐	A	A										
2207709-002	T221973-02	Soil	7/10/2022 07:58	☑		A	A									
2207709-003	T221973-03	Soil	7/10/2022 08:15	☐	A	A										
2207709-004	T221973-04	Soil	7/10/2022 08:30	☑		A	A									
2207709-005	T221973-05	Soil	7/10/2022 08:45	☐	A	A										
2207709-006	T221973-06	Soil	7/11/2022 08:50	☑		A	A									
2207709-007	T221973-07	Soil	7/11/2022 09:10	☐	A	A										
2207709-008	T221973-08	Soil	7/10/2022 09:22	☑		A	A									
2207709-009	T221973-09	Soil	7/10/2022 09:43	☐	A	A										
2207709-010	T221973-10	Soil	7/10/2022 09:55	☑		A	A									
2207709-010	T221973-11	Soil	7/11/2022 10:45	☐	A	A										
2207709-012	T221973-12	Soil	7/11/2022 10:55	☑		A	A									
2207709-013	T221973-13	Soil	7/11/2022 11:16	☐	A	A										
2207709-014	T221973-14	Soil	7/11/2022 11:30	☐	A	A										
2207709-015	T221973-15	Soil	7/10/2022 11:40	☑		A	A									

Test Legend:

1	8151_S	2	PRDisposal Fee	3	PRHOLD	4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2207709 **ClientCode: SSLF**

☐ WaterTrax ☐ CLIP ☐ EDF ☒ EQuIS ☒ Dry-Weight ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☒ Detection Summary ☐ Excel

Report to:
Jeff Lee
SunStar Laboratories, Inc.
25712 Commercentre Drive
Lake Forest, CA 92630
949-297-5020 FAX: 949-297-5027

Email: jefflee@sunstarlabs.com
cc/3rd Party:
PO:
Project: T221973

Bill to:
Accounts Payable
SunStar Laboratories, Inc.
25712 Commercentre Drive
Lake Forest, CA 92630
accounting@sunstarlabs.com

Requested TAT: 5 days;

Date Received: **07/13/2022**
Date Logged: **07/14/2022**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2207709-016	T221973-16	Soil	7/11/2022 11:55	☐	A	A										
2207709-017	T221973-17	Soil	7/11/2022 12:12	☑		A	A									
2207709-018	T221973-18	Soil	7/11/2022 12:55	☐	A	A										
2207709-019	T221973-19	Soil	7/11/2022 13:10	☑		A	A									

Test Legend:

1	8151_S	2	PRDisposal Fee	3	PRHOLD	4	
5		6		7		8	
9		10		11		12	

Prepared by: Lilly Ortiz

Comments:

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: SUNSTAR LABORATORIES, INC. **Project:** T221973 **Work Order:** 2207709
Client Contact: Jeff Lee **QC Level:** LEVEL 2
Contact's Email: jefflee@sunstarlabs.com **Comments** **Date Logged:** 7/14/2022

☐ WaterTrax ☐ WriteOn ☐ EDF ☐ Excel ☒ EQuIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	T221973-01	Soil	SW8151A (Chlorinated Herbicides)	1	4OZ GJ, Unpres	☐	☐	☐	7/11/2022 7:42	5 days	7/20/2022		☐	☐
003A	T221973-03	Soil	SW8151A (Chlorinated Herbicides)	1	4OZ GJ, Unpres	☐	☐	☐	7/11/2022 8:15	5 days	7/20/2022		☐	☐
005A	T221973-05	Soil	SW8151A (Chlorinated Herbicides)	1	4OZ GJ, Unpres	☐	☐	☐	7/11/2022 8:45	5 days	7/20/2022		☐	☐
007A	T221973-07	Soil	SW8151A (Chlorinated Herbicides)	1	4OZ GJ, Unpres	☐	☐	☐	7/11/2022 9:10	5 days	7/20/2022		☐	☐
009A	T221973-09	Soil	SW8151A (Chlorinated Herbicides)	1	4OZ GJ, Unpres	☐	☐	☐	7/11/2022 9:43	5 days	7/20/2022		☐	☐
011A	T221973-11	Soil	SW8151A (Chlorinated Herbicides)	1	4OZ GJ, Unpres	☐	☐	☐	7/11/2022 10:45	5 days	7/20/2022		☐	☐
013A	T221973-13	Soil	SW8151A (Chlorinated Herbicides)	1	4OZ GJ, Unpres	☐	☐	☐	7/11/2022 11:16	5 days	7/20/2022		☐	☐
014A	T221973-14	Soil	SW8151A (Chlorinated Herbicides)	1	4OZ GJ, Unpres	☐	☐	☐	7/11/2022 11:30	5 days	7/20/2022		☐	☐
016A	T221973-16	Soil	SW8151A (Chlorinated Herbicides)	1	4OZ GJ, Unpres	☐	☐	☐	7/11/2022 11:55	5 days	7/20/2022		☐	☐
018A	T221973-18	Soil	SW8151A (Chlorinated Herbicides)	1	4OZ GJ, Unpres	☐	☐	☐	7/11/2022 12:55	5 days	7/20/2022		☐	☐

NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

~~RUSH~~

2207709

SUBCONTRACT ORDER

SunStar Laboratories, Inc.

T221973

SENDING LABORATORY:	**RECEIVING LABORATORY:**
SunStar Laboratories, Inc.	McCampbell Analytical, Inc.
25712 Commercentre Drive	1534 Willow Pass Rd.
Lake Forest, CA 92630	Pittsburgh, CA 94565
Phone: (949) 297-5020	Phone :(877) 252-9262
Fax: (949) 297-5027	Fax: (925) 252-9269
Project Manager: Jeff Lee	

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: T221973-01	**Soil**	**Sampled:07/11/22 07:42**	[redacted]	
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 07:42		8151 Herbicides
Containers Supplied:				
Sample ID: T221973-02	**Soil**	**Sampled:07/11/22 07:58**	[redacted]	
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 07:58		8151 Herbicides (On Hold)
Containers Supplied:				
Sample ID: T221973-03	**Soil**	**Sampled:07/11/22 08:15**	[redacted]	
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 08:15		8151 Herbicides
Containers Supplied:				
Sample ID: T221973-04	**Soil**	**Sampled:07/11/22 08:30**	[redacted]	
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 08:30		8151 Herbicides (On Hold)
Containers Supplied:				
Sample ID: T221973-05	**Soil**	**Sampled:07/11/22 08:45**	[redacted]	
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 08:45		8151 Herbicides
Containers Supplied:				
Sample ID: T221973-06	**Soil**	**Sampled:07/11/22 08:50**	[redacted]	
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 08:50		8151 Herbicides (On Hold)
Containers Supplied:				

Wentn g	7/12/22 13:19	[signature]	7/13/22 0957 6.0°C
Released By	Date	~~Received By~~	Date
Released By	Date	Received By	Date

Updated to Standard TAT per email. 7/15/22

SUBCONTRACT ORDER

SunStar Laboratories, Inc.

T221973

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: T221973-07	**Soil**	**Sampled:07/11/22 09:10**		
Misc. Subcontract (see notes/)	07/19/22 15:00	01/07/23 09:10		8151 Herbicides
Containers Supplied:				
Sample ID: T221973-08	**Soil**	**Sampled:07/11/22 09:22**		
Misc. Subcontract (see notes/)	07/19/22 15:00	01/07/23 09:22		8151 Herbicides (On Hold)
Containers Supplied:				
Sample ID: T221973-09	**Soil**	**Sampled:07/11/22 09:43**		
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 09:43		8151 Herbicides
Containers Supplied:				
Sample ID: T221973-10	**Soil**	**Sampled:07/11/22 09:55**		
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 09:55		8151 Herbicides (On Hold)
Containers Supplied:				
Sample ID: T221973-11	**Soil**	**Sampled:07/11/22 10:45**		
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 10:45		8151 Herbicides
Containers Supplied:				
Sample ID: T221973-12	**Soil**	**Sampled:07/11/22 10:55**		
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 10:55		8151 Herbicides (On Hold)
Containers Supplied:				
Sample ID: T221973-13	**Soil**	**Sampled:07/11/22 11:16**		
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 11:16		8151 Herbicides
Containers Supplied:				
Sample ID: T221973-14	**Soil**	**Sampled:07/11/22 11:30**		
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 11:30		8151 Herbicides
Containers Supplied:				

Released By	Date	Received By	Date
	7/12/22 13:19		7/12/22 0955
Released By	Date	Received By	Date

SUBCONTRACT ORDER

SunStar Laboratories, Inc.

T221973

Analysis	Due	Expires	Laboratory ID	Comments
Sample ID: T221973-15	**Soil**	**Sampled:07/11/22 11:40**		
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 11:40		8151 Herbicides (On Hold)
Containers Supplied:				
Sample ID: T221973-16	**Soil**	**Sampled:07/11/22 11:55**		
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 11:55		8151 Herbicides
Containers Supplied:				
Sample ID: T221973-17	**Soil**	**Sampled:07/11/22 12:12**		
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 12:12		8151 Herbicides (On Hold)
Containers Supplied:				
Sample ID: T221973-18	**Soil**	**Sampled:07/11/22 12:55**		
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 12:55		8151 Herbicides
Containers Supplied:				
Sample ID: T221973-19	**Soil**	**Sampled:07/11/22 13:10**		
Misc. Subcontract (see notes)	07/19/22 15:00	01/07/23 13:10		8151 Herbicides (On Hold)
Containers Supplied:				

Released By	Date	Received By	Date
[illegible]	7/12/22 13:19	[illegible]	7/13/22 0957
Released By	Date	Received By	Date

McCampbell Analytical, Inc.
"When Quality Counts"
1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com/ E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**SunStar Laboratories, Inc.**	Date and Time Received:	**7/13/2022 09:57**
Project:	**T221973**	Date Logged:	**7/14/2022**
		Received by:	Lilly Ortiz
Work Order No:	**2207709** Matrix: Soil	Logged by:	Lilly Ortiz
Carrier:	Golden State Overnight		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☐	No ☑	
COC agrees with Quote?	Yes ☐	No ☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
	(Ice Type: WET ICE)		
Sample/Temp Blank temperature	Temp: 6°C		NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
UCMR Samples:			
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☑

Comments:

Jeff Lee

From: Ryan Thacher <rthacher@rinconconsultants.com>
Sent: Friday, August 12, 2022 4:11 PM
To: Jeff Lee; Lindsay Parker
Subject: RE: [EXT] Final Report and Invoice for Weymouth Rail Sampling (T221973)

Hi Jeff – is it possible to run STLC and TCLP on sample WR-1 from 0.5 feet bgs for lead? I believe the total lead was detected at 170 mg/kg.

Thanks,
Ryan

Ryan Thacher, PhD, PE
Director
Rincon Consultants, Inc.
831-566-3081 Mobile
213-254-3733 Direct
rinconconsultants.com

Ranked 2021 "Best Environmental Services Firm to Work For" by Zweig Group

---

From: Jeff Lee <jefflee@sunstarlabs.com>
Sent: Thursday, July 21, 2022 5:35 PM
To: Ryan Thacher <rthacher@rinconconsultants.com>; Sawyer Carman <scarman@rinconconsultants.com>; Lindsay Parker <lparker@rinconconsultants.com>
Cc: Cathy Hartman <accounting@sunstarlabs.com>; Rebecca Traficanto <rebecca@sunstarlabs.com>; Accounts Payable <ap@rinconconsultants.com>
Subject: [EXT] Final Report and Invoice for Weymouth Rail Sampling (T221973)

CAUTION: This email originated from outside of Rincon Consultants. Be cautious before clicking on any links, or opening any attachments, until you are confident that the content is safe .

Hello Everyone,

Please find attached the final report and invoice for the following:

Project: **Weymouth Rail Sampling**
Project Number: **22-12248**

If I can provide any additional information, please let me know.

We appreciate your business!

Best regards,

I will be out of the office between July 25 and July 29. If any assistance are required please contact Mrs. Joann Marroquin.

T221973

SunStar Laboratories, Inc.

Client: Rincon Consultants, Inc. - Ventura
Project: Weymouth Rail Sampling
Project Manager: Jeff Lee
Project Number: 22-12248

Report To:
Rincon Consultants, Inc. - Ventura
Ryan Thacher
180 N. Ashwood Ave.
Ventura, CA 93003
Phone: (805) 644-4455
Fax:

Invoice To:
Rincon Consultants, Inc. - Ventura
Ryan Thacher
180 N. Ashwood Ave.
Ventura, CA 93003
Phone :(805) 644-4455
Fax:

Date Due: 07/19/22 17:00 (5 day TAT)
Received By: Paul Berner
Date Received: 07/11/22 17:45
Logged In By: Elizabeth Sprowell
Date Logged In: 07/12/22 09:10

Samples Received at: 3.9°C

No	Yes	No
Yes	No	No
Yes	No	No
No	No	No

Analysis	Due	TAT	Expires	Comments
T221973-01 WR-6-0.5 [Soil] Sampled 07/11/22 07:42 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 07:42	
8081 Pesticides	07/19/22 15:00	5	07/25/22 07:42	
8270C Creosote	07/19/22 15:00	5	07/25/22 07:42	
6010 Title 22	07/19/22 15:00	5	01/07/23 07:42	
T221973-02 WR-6-1.5 [Soil] Sampled 07/11/22 07:58 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	01/07/23 07:58	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 07:58	
8270C Creosote	07/19/22 15:00	5	07/25/22 07:58	
T221973-03 WR-7-0.5 [Soil] Sampled 07/11/22 08:15 (GMT-08:00) Pacific Time (US &				
8081 Pesticides	07/19/22 15:00	5	07/25/22 08:15	
8270C Creosote	07/19/22 15:00	5	07/25/22 08:15	
6010 Title 22	07/19/22 15:00	5	01/07/23 08:15	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 08:15	
T221973-04 WR-7-1.5 [Soil] Sampled 07/11/22 08:30 (GMT-08:00) Pacific Time (US &				
8270C Creosote	07/19/22 15:00	5	07/25/22 08:30	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 08:30	
6010 Title 22	07/19/22 15:00	5	01/07/23 08:30	

T221973

SunStar Laboratories, Inc.

Client: Rincon Consultants, Inc. - Ventura
Project: Weymouth Rail Sampling

Project Manager: Jeff Lee
Project Number: 22-12248

Analysis	Due	TAT	Expires	Comments
T221973-05 WR-8-0.5 [Soil] Sampled 07/11/22 08:45 (GMT-08:00) Pacific Time (US1&				
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 08:45	
8081 Pesticides	07/19/22 15:00	5	07/25/22 08:45	
8270C Creosote	07/19/22 15:00	5	07/25/22 08:45	
6010 Title 22	07/19/22 15:00	5	01/07/23 08:45	
T221973-06 WR-8-1.5 [Soil] Sampled 07/11/22 08:50 (GMT-08:00) Pacific Time (US1&				
8270C Creosote	07/19/22 15:00	5	07/25/22 08:50	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 08:50	
6010 Title 22	07/19/22 15:00	5	01/07/23 08:50	
T221973-07 WR-9-0.5 [Soil] Sampled 07/11/22 09:10 (GMT-08:00) Pacific Time (US1&				
8270C Creosote	07/19/22 15:00	5	07/25/22 09:10	
8081 Pesticides	07/19/22 15:00	5	07/25/22 09:10	
6010 Title 22	07/19/22 15:00	5	01/07/23 09:10	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 09:10	
T221973-08 WR-9-1.5 [Soil] Sampled 07/11/22 09:22 (GMT-08:00) Pacific Time (US1&				
6010 Title 22	07/19/22 15:00	5	01/07/23 09:22	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 09:22	
8270C Creosote	07/19/22 15:00	5	07/25/22 09:22	
T221973-09 WR-10-0.5 [Soil] Sampled 07/11/22 09:43 (GMT-08:00) Pacific Time (US1&				
6010 Title 22	07/19/22 15:00	5	01/07/23 09:43	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 09:43	
8081 Pesticides	07/19/22 15:00	5	07/25/22 09:43	
8270C Creosote	07/19/22 15:00	5	07/25/22 09:43	
T221973-10 WR-10-1.5 [Soil] Sampled 07/11/22 09:55 (GMT-08:00) Pacific Time (US1&				
6010 Title 22	07/19/22 15:00	5	01/07/23 09:55	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 09:55	
8270C Creosote	07/19/22 15:00	5	07/25/22 09:55	

T221973

SunStar Laboratories, Inc.

Client:	**Rincon Consultants, Inc. - Ventura**	**Project Manager:**	**Jeff Lee**
Project:	**Weymouth Rail Sampling**	**Project Number:**	**22-12248**

Analysis	Due	TAT	Expires	Comments
T221973-11 WR-1-0.5 [Soil] Sampled 07/11/22 10:45 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	01/07/23 10:45	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 10:45	
8081 Pesticides	07/19/22 15:00	5	07/25/22 10:45	
8270C Creosote	07/19/22 15:00	5	07/25/22 10:45	
T221973-12 WR-1-1.5 [Soil] Sampled 07/11/22 10:55 (GMT-08:00) Pacific Time (US &				
8270C Creosote	07/19/22 15:00	5	07/25/22 10:55	
6010 Title 22	07/19/22 15:00	5	01/07/23 10:55	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 10:55	
T221973-13 WR-2-1.0 [Soil] Sampled 07/11/22 11:16 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	01/07/23 11:16	
8081 Pesticides	07/19/22 15:00	5	07/25/22 11:16	
8270C Creosote	07/19/22 15:00	5	07/25/22 11:16	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 11:16	
T221973-14 WR-3-0.5 [Soil] Sampled 07/11/22 11:30 (GMT-08:00) Pacific Time (US &				
8081 Pesticides	07/19/22 15:00	5	07/25/22 11:30	
6010 Title 22	07/19/22 15:00	5	01/07/23 11:30	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 11:30	
8270C Creosote	07/19/22 15:00	5	07/25/22 11:30	
T221973-15 WR-3-1.5 [Soil] Sampled 07/11/22 11:40 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 11:40	
6010 Title 22	07/19/22 15:00	5	01/07/23 11:40	
8270C Creosote	07/19/22 15:00	5	07/25/22 11:40	
T221973-16 WR-4-0.5 [Soil] Sampled 07/11/22 11:55 (GMT-08:00) Pacific Time (US &				
8081 Pesticides	07/19/22 15:00	5	07/25/22 11:55	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 11:55	
6010 Title 22	07/19/22 15:00	5	01/07/23 11:55	
8270C Creosote	07/19/22 15:00	5	07/25/22 11:55	

T221973

SunStar Laboratories, Inc.

Client: Rincon Consultants, Inc. - Ventura
Project: Weymouth Rail Sampling
Project Manager: Jeff Lee
Project Number: 22-12248

Analysis	Due	TAT	Expires	Comments
T221973-17 WR-4-1.5 [Soil] Sampled 07/11/22112:12 (GMT-08:00) Pacific Time (US1&				
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 12:12	
6010 Title 22	07/19/22 15:00	5	01/07/23 12:12	
8270C Creosote	07/19/22 15:00	5	07/25/22 12:12	
T221973-18 WR-5-0.5 [Soil] Sampled 07/11/22112:55 (GMT-08:00) Pacific Time (US1&				
8081 Pesticides	07/19/22 15:00	5	07/25/22 12:55	
6010 Title 22	07/19/22 15:00	5	01/07/23 12:55	
8270C Creosote	07/19/22 15:00	5	07/25/22 12:55	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 12:55	
T221973-19 WR-5-1.5 [Soil] Sampled 07/11/22 13:10 (GMT-08:00) Pacific Time (US1&				
6010 Title 22	07/19/22 15:00	5	01/07/23 13:10	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 13:10	
8270C Creosote	07/19/22 15:00	5	07/25/22 13:10	
McCampbell Analytical, Inc.				
T221973-01 WR-6-0.5 [Soil] Sampled 07/11/22 07:42 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes)	07/19/22 15:00	5	01/07/23 07:42	8151 Herbicides
T221973-02 WR-6-1.5 [Soil] Sampled 07/11/22 07:58 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes)	07/19/22 15:00	5	01/07/23 07:58	8151 Herbicides (On Hold)
T221973-03 WR-7-0.5 [Soil] Sampled 07/11/22 08:15 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes)	07/19/22 15:00	5	01/07/23 08:15	8151 Herbicides
T221973-04 WR-7-1.5 [Soil] Sampled 07/11/22 08:30 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes)	07/19/22 15:00	5	01/07/23 08:30	8151 Herbicides (On Hold)
T221973-05 WR-8-0.5 [Soil] Sampled 07/11/22 08:45 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes)	07/19/22 15:00	5	01/07/23 08:45	8151 Herbicides
T221973-06 WR-8-1.5 [Soil] Sampled 07/11/22 08:50 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes)	07/19/22 15:00	5	01/07/23 08:50	8151 Herbicides (On Hold)

T221973

SunStar Laboratories, Inc.

Client:	**Rincon Consultants, Inc. - Ventura**	**Project Manager:**	**Jeff Lee**
Project:	**Weymouth Rail Sampling**	**Project Number:**	**22-12248**

Analysis	Due	TAT	Expires	Comments
McCampbell Analytical, Inc.				
T221973-07 WR-9-0.5 [Soil] Sampled 07/11/22 09:10 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 09:10	8151 Herbicides
T221973-08 WR-9-1.5 [Soil] Sampled 07/11/22 09:22 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 09:22	8151 Herbicides (On Hold)
T221973-09 WR-10-0.5 [Soil] Sampled 07/11/22 09:43 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 09:43	8151 Herbicides
T221973-10 WR-10-1.5 [Soil] Sampled 07/11/22 09:55 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 09:55	8151 Herbicides (On Hold)
T221973-11 WR-1-0.5 [Soil] Sampled 07/11/22110:45 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 10:45	8151 Herbicides
T221973-12 WR-1-1.5 [Soil] Sampled 07/11/22 10:55 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 10:55	8151 Herbicides (On Hold)
T221973-13 WR-2-1.0 [Soil] Sampled 07/11/22111:16 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 11:16	8151 Herbicides
T221973-14 WR-3-0.5 [Soil] Sampled 07/11/22111:30 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 11:30	8151 Herbicides
T221973-15 WR-3-1.5 [Soil] Sampled 07/11/22 11:40 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 11:40	8151 Herbicides (On Hold)
T221973-16 WR-4-0.5 [Soil] Sampled 07/11/22 11:55 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 11:55	8151 Herbicides
T221973-17 WR-4-1.5 [Soil] Sampled 07/11/22112:12 (GMT-08:00) Pacific Time (US1&				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 12:12	8151 Herbicides (On Hold)

T221973

SunStar Laboratories, Inc.

Client:	**Rincon Consultants, Inc. - Ventura**	**Project Manager:**	**Jeff Lee**
Project:	**Weymouth Rail Sampling**	**Project Number:**	**22-12248**

Analysis	Due	TAT	Expires	Comments
McCampbell Analytical, Inc.				
T221973-18 WR-5-0.5 [Soil] Sampled 07/11/22 12:55 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes)	07/19/22 15:00	5	01/07/23 12:55	8151 Herbicides
T221973-19 WR-5-1.5 [Soil] Sampled 07/11/22 13:10 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notesa)	07/19/22 15:00	5	01/07/23 13:10	8151 Herbicides (On Hold)

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By

Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T221973

Client: Rincon Consultants, Inc. - Ventura
Project: Weymouth Rail Sampling
Project Manager: Jeff Lee
Project Number: 22-12248

ReportaTo:
Rincon Consultants, Inc. - Ventura
Ryan Thacher
180 N. Ashwood Ave.
Ventura, CA 93003

Date Due: 07/19/22 17:00 (5 day TAT)
Received By: Paul Berner
Date Received: 07/11/22 17:45
Logged In By: Elizabeth Sprowell
Date Logged In: 07/12/22 09:10

Samples Received at: 3.9°C
Custody Seals No
Received On Ice Yes
Containers Intact Yes
COC/Labels Agree Yes
Preservation Confin No

Analysis	Due	TAT	Expires	Comments
T221973-01 WR-6-0.5 [Soil] Sampled 07/11/22 07:42 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 07:42	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 07:42	
8081 Pesticides	07/19/22 15:00	5	07/25/22 07:42	
8270C Creosote	07/19/22 15:00	5	07/25/22 07:42	
T221973-02 WR-6-1.5 [Soil] Sampled 07/11/22 07:58 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 07:58	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 07:58	
8270C Creosote	07/19/22 15:00	5	07/25/22 07:58	
T221973-03 WR-7-0.5 [Soil] Sampled 07/11/22 08:15 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 08:15	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 08:15	
8081 Pesticides	07/19/22 15:00	5	07/25/22 08:15	
8270C Creosote	07/19/22 15:00	5	07/25/22 08:15	
T221973-04 WR-7-1.5 [Soil] Sampled 07/11/22 08:30 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 08:30	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 08:30	
8270C Creosote	07/19/22 15:00	5	07/25/22 08:30	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T221973

Client: Rincon Consultants, Inc. - Ventura
Project: Weymouth Rail Sampling
Project Manager: Jeff Lee
Project Number: 22-12248

Analysis	Due	TAT	Expires	Comments
T221973-05 WR-8-0.5 [Soil] Sampled 07/11/22 08:45 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 08:45	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 08:45	
8081 Pesticides	07/19/22 15:00	5	07/25/22 08:45	
8270C Creosote	07/19/22 15:00	5	07/25/22 08:45	
T221973-06 WR-8-1.5 [Soil] Sampled 07/11/22 08:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 08:50	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 08:50	
8270C Creosote	07/19/22 15:00	5	07/25/22 08:50	
T221973-07 WR-9-0.5 [Soil] Sampled 07/11/22 09:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 09:10	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 09:10	
8081 Pesticides	07/19/22 15:00	5	07/25/22 09:10	
8270C Creosote	07/19/22 15:00	5	07/25/22 09:10	
T221973-08 WR-9-1.5 [Soil] Sampled 07/11/22 09:22 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 09:22	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 09:22	
8270C Creosote	07/19/22 15:00	5	07/25/22 09:22	
T221973-09 WR-10-0.5 [Soil] Sampled 07/11/22 09:43 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 09:43	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 09:43	
8081 Pesticides	07/19/22 15:00	5	07/25/22 09:43	
8270C Creosote	07/19/22 15:00	5	07/25/22 09:43	
T221973-10 WR-10-1.5 [Soil] Sampled 07/11/22 09:55 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 09:55	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 09:55	
8270C Creosote	07/19/22 15:00	5	07/25/22 09:55	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T221973

Client: Rincon Consultants, Inc. - Ventura
Project: Weymouth Rail Sampling
Project Manager: Jeff Lee
Project Number: 22-12248

Analysis	Due	TAT	Expires	Comments
T221973-11 WR-1-0.5 [Soil] Sampled 07/11/22 10:45 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 10:45	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 10:45	
8081 Pesticides	07/19/22 15:00	5	07/25/22 10:45	
8270C Creosote	07/19/22 15:00	5	07/25/22 10:45	
STLC Pb	08/19/22 15:00	5	01/07/23 10:45	
STLC Leaching Procedure Metals	08/19/22 15:00	5	01/07/23 10:45	
TCLP Leaching Procedure Metals	08/19/22 15:00	5	01/07/23 10:45	
TCLP Pb	08/19/22 15:00	5	01/07/23 10:45	
T221973-12 WR-1-1.5 [Soil] Sampled 07/11/22 10:55 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 10:55	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 10:55	
8270C Creosote	07/19/22 15:00	5	07/25/22 10:55	
T221973-13 WR-2-1.0 [Soil] Sampled 07/11/22 11:16 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 11:16	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 11:16	
8081 Pesticides	07/19/22 15:00	5	07/25/22 11:16	
8270C Creosote	07/19/22 15:00	5	07/25/22 11:16	
T221973-14 WR-3-0.5 [Soil] Sampled 07/11/22 11:30 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 11:30	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 11:30	
8081 Pesticides	07/19/22 15:00	5	07/25/22 11:30	
8270C Creosote	07/19/22 15:00	5	07/25/22 11:30	
T221973-15 WR-3-1.5 [Soil] Sampled 07/11/22 11:40 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 11:40	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 11:40	
8270C Creosote	07/19/22 15:00	5	07/25/22 11:40	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T221973

Client: Rincon Consultants, Inc. - Ventura
Project: Weymouth Rail Sampling
Project Manager: Jeff Lee
Project Number: 22-12248

Analysis	Due	TAT	Expires	Comments
T221973-16 WR-4-0.5 [Soil] Sampled 07/11/22 11:55 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 11:55	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 11:55	
8081 Pesticides	07/19/22 15:00	5	07/25/22 11:55	
8270C Creosote	07/19/22 15:00	5	07/25/22 11:55	
T221973-17 WR-4-1.5 [Soil] Sampled 07/11/22 12:12 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 12:12	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 12:12	
8270C Creosote	07/19/22 15:00	5	07/25/22 12:12	
T221973-18 WR-5-0.5 [Soil] Sampled 07/11/22 12:55 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 12:55	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 12:55	
8081 Pesticides	07/19/22 15:00	5	07/25/22 12:55	
8270C Creosote	07/19/22 15:00	5	07/25/22 12:55	
T221973-19 WR-5-1.5 [Soil] Sampled 07/11/22 13:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	07/19/22 15:00	5	07/16/22 13:10	
8015 Carbon Chain	07/15/22 15:00	3	07/25/22 13:10	
8270C Creosote	07/19/22 15:00	5	07/25/22 13:10	
McCampbell Analytical, Inc.				
T221973-01 WR-6-0.5 [Soil] Sampled 07/11/22 07:42 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes)	07/19/22 15:00	5	01/07/23 07:42	8151 Herbicides
T221973-02 WR-6-1.5 [Soil] Sampled 07/11/22 07:58 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes)	07/19/22 15:00	5	01/07/23 07:58	8151 Herbicides (On Hold)
T221973-03 WR-7-0.5 [Soil] Sampled 07/11/22 08:15 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes)	07/19/22 15:00	5	01/07/23 08:15	8151 Herbicides

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T221973

Client:	**Rincon Consultants, Inc. - Ventura**	**Project Manager:**	**Jeff Lee**
Project:	**Weymouth Rail Sampling**	**Project Number:**	**22-12248**

Analysis	Due	TAT	Expires	Comments
McCampbell Analytical, Inc.				
T221973-04 WR-7-1.5 [Soil] Sampled 07/11/22 08:30 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 08:30	8151 Herbicides (On Hold)
T221973-05 WR-8-0.5 [Soil] Sampled 07/11/22 08:45 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 08:45	8151 Herbicides
T221973-06 WR-8-1.5 [Soil] Sampled 07/11/22 08:50 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 08:50	8151 Herbicides (On Hold)
T221973-07 WR-9-0.5 [Soil] Sampled 07/11/22 09:10 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 09:10	8151 Herbicides
T221973-08 WR-9-1.5 [Soil] Sampled 07/11/22 09:22 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 09:22	8151 Herbicides (On Hold)
T221973-09 WR-10-0.5 [Soil] Sampled 07/11/22 09:43 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 09:43	8151 Herbicides
T221973-10 WR-10-1.5 [Soil] Sampled 07/11/22 09:55 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 09:55	8151 Herbicides (On Hold)
T221973-11 WR-1-0.5 [Soil] Sampled 07/11/22 10:45 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 10:45	8151 Herbicides
T221973-12 WR-1-1.5 [Soil] Sampled 07/11/22 10:55 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 10:55	8151 Herbicides (On Hold)
T221973-13 WR-2-1.0 [Soil] Sampled 07/11/22 11:16 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 11:16	8151 Herbicides
T221973-14 WR-3-0.5 [Soil] Sampled 07/11/22 11:30 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes/)	07/19/22 15:00	5	01/07/23 11:30	8151 Herbicides

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORKORDER

T221973

Client: Rincon Consultants, Inc. - Ventura
Project: Weymouth Rail Sampling
Project Manager: Jeff Lee
Project Number: 22-12248

Analysis	Due	TAT	Expires	Comments
McCampbell Analytical, Inc.				
T221973-15 WR-3-1.5 [Soil] Sampled 07/11/22 11:40 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes)	07/19/22 15:00	5	01/07/23 11:40	8151 Herbicides (On Hold)
T221973-16 WR-4-0.5 [Soil] Sampled 07/11/22 11:55 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes)	07/19/22 15:00	5	01/07/23 11:55	8151 Herbicides
T221973-17 WR-4-1.5 [Soil] Sampled 07/11/22 12:12 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notesa)	07/19/22 15:00	5	01/07/23 12:12	8151 Herbicides (On Hold)
T221973-18 WR-5-0.5 [Soil] Sampled 07/11/22 12:55 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notes)	07/19/22 15:00	5	01/07/23 12:55	8151 Herbicides
T221973-19 WR-5-1.5 [Soil] Sampled 07/11/22 13:10 (GMT-08:00) Pacific Time (US &				
Misc. Subcontract (see notesa)	07/19/22 15:00	5	01/07/23 13:10	8151 Herbicides (On Hold)

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By

Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

18 October 2022

Ryan Thacher
Rincon Consultants - Los Angeles
250 East 1st Street, Suite 1400
Los Angeles, CA 90012

RE: Weymouth Rail

Enclosed are the results of analyses for samples received by the laboratory on 10/04/22 14:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Lee
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants - Los Angeles	Project: Weymouth Rail	
250 East 1st Street, Suite 1400	Project Number: 21-12248	**Reported:**
Los Angeles CA, 90012	Project Manager: Ryan Thacher	10/18/22 15:48

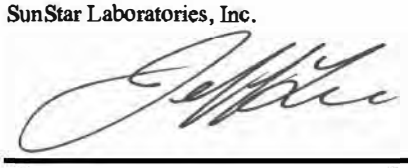
ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WR1-SWStep2-0.5	T222756-01	Soil	10/04/22 07:50	10/04/22 14:50
WR1-SWStep1-0.5	T222756-03	Soil	10/04/22 08:50	10/04/22 14:50
WR1-SWStep1-1.5	T222756-04	Soil	10/04/22 08:55	10/04/22 14:50
WR1-SEStep1-0.5	T222756-05	Soil	10/04/22 08:40	10/04/22 14:50
WR1-NWStep1-0.5	T222756-06	Soil	10/04/22 08:46	10/04/22 14:50
WR1-NEStep1-0.5	T222756-07	Soil	10/04/22 08:10	10/04/22 14:50
WR1-NEStep1-1.5	T222756-08	Soil	10/04/22 08:15	10/04/22 14:50
WR1-NEStep2-0.5	T222756-09	Soil	10/04/22 08:30	10/04/22 14:50

Sample T222756-07 is mostly larger size rock that cannot pass through the required size sieve to make up the entire 50gram needed for the extraction procdure. Half of the samples are made up of samples with slightly larger sizes. JL 10/12/22

Sample ID for T222756-05 has been changed from "WR1-SWStep1-0.5" to "WR1-SEStep1-0.5" per client's request. JL 10/12/22

SunStar Laboratories, Inc.



Jeff Lee, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants - Los Angeles	Project: Weymouth Rail	
250 East 1st Street, Suite 1400	Project Number: 21-12248	Reported:
Los Angeles CA, 90012	Project Manager: Ryan Thacher	10/18/22 15:48

DETECTIONS SUMMARY

Sample ID: WRI-SWStep2-0.5 **Laboratory ID:** T222756-01

Analyte	Result	Reporting Limit	Units	Method	Notes
Lead	18	3.0	mg/kg	EPA 6010b	

Sample ID: WRI-SWStep1-0.5 **Laboratory ID:** T222756-03

Analyte	Result	Reporting Limit	Units	Method	Notes
Lead	93	3.0	mg/kg	EPA 6010b	
Lead	5.4	0.50	mg/l	STLC Waste Extraction T	

Sample ID: WRI-SWStep1-1.5 **Laboratory ID:** T222756-04

Analyte	Result	Reporting Limit	Units	Method	Notes
Lead	98	3.0	mg/kg	EPA 6010b	
Lead	4.4	0.50	mg/l	STLC Waste Extraction T	

Sample ID: WRI-SEStep1-0.5 **Laboratory ID:** T222756-05

Analyte	Result	Reporting Limit	Units	Method	Notes
Lead	37	3.0	mg/kg	EPA 6010b	

Sample ID: WRI-NWStep1-0.5 **Laboratory ID:** T222756-06

Analyte	Result	Reporting Limit	Units	Method	Notes
Lead	8.5	3.0	mg/kg	EPA 6010b	

Sample ID: WRI-NEStep1-0.5 **Laboratory ID:** T222756-07

Analyte	Result	Reporting Limit	Units	Method	Notes
Lead	62	3.0	mg/kg	EPA 6010b	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants - Los Angeles	Project: Weymouth Rail	
250 East 1st Street, Suite 1400	ProjectNumber: 21-12248	Reported:
Los Angeles CA, 90012	Project Manager: Ryan Thacher	10/18/22 15:48

Sample ID: WR1-NEStep1-0.5 **Laboratory ID:** T222756-07

Analyte	Result	Reporting Limit	Units	Method	Notes
Lead	0.94	0.50	mg/l	STLC Waste Extraction T	

Sample ID: WR1-NEStep1-1.5 **Laboratory ID:** T222756-08

Analyte	Result	Reporting Limit	Units	Method	Notes
Lead	23	3.0	mg/kg	EPA 6010b	

Sample ID: WR1-NEStep2-0.5 **Laboratory ID:** T222756-09

Analyte	Result	Reporting Limit	Units	Method	Notes
Lead	20	3.0	mg/kg	EPA 6010b	

SunStar Laboratories, Inc.

Jeff Lee, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants - Los Angeles	Project: Weymouth Rail	
250 East 1st Street, Suite 1400	Project Number: 21-12248	**Reported:**
Los Angeles CA, 90012	Project Manager: Ryan Thacher	10/18/22 15:48

WR1-SWStep2-0.5

T222756-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Metals by EPA 6010B									
Lead	**18**	3.0	mg/kg	1	2230061	10/05/22	10/07/22	EPA 6010b	

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants - Los Angeles	Project: Weymouth Rail	
250 East 1st Street, Suite 1400	Project Number: 21-12248	Reported:
Los Angeles CA, 90012	Project Manager: Ryan Thacher	10/18/22 15:48

WR1-SWStep1-0.5

T222756-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Metals by EPA 6010B									
Lead	**93**	3.0	mg/kg	1	22J0061	10/05/22	10/07/22	EPA 6010b	
TCLP Metals by 6000/7000 Series Methods									
Lead	ND	0.10	mg/l	1	22J0178	10/11/22	10/17/22	EPA 1311	
STLC Metals by 6000/7000 Series Methods									
Lead	**5.4**	0.50	mg/l	1	22J0177	10/11/22	10/17/22	STLC Waste Extraction Test	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants - Los Angeles	Project: Weymouth Rail	
250 East 1st Street, Suite 1400	Project Number: 21-12248	Reported:
Los Angeles CA, 90012	Project Manager: Ryan Thacher	10/18/22 15:48

WR1-SWStep1-1.5

T222756-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Metals by EPA 6010B									
Lead	**98**	3.0	mg/kg	1	22J0061	10/05/22	10/07/22	EPA 6010b	
TCLP Metals by 6000/7000 Series Methods									
Lead	ND	0.10	mg/l	1	22J0178	10/11/22	10/17/22	EPA 1311	
STLC Metals by 6000/7000 Series Methods									
Lead	**4.4**	0.50	mg/l	1	22J0177	10/11/22	10/17/22	STLC Waste Extraction Test	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants - Los Angeles	Project: Weymouth Rail	
250 East 1st Street, Suite 1400	Project Number: 21-12248	**Reported:**
Los Angeles CA, 90012	Project Manager: Ryan Thacher	10/18/22 15:48

WR1-SEStep1-0.5

T222756-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Metals by EPA 6010B									
Lead	**37**	3.0	mg/kg	1	2210061	10/05/22	10/07/22	EPA 6010b	

SunStar Laboratories, Inc.

Jeff Lee, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants - Los Angeles	Project: Weymouth Rail	
250 East 1st Street, Suite 1400	Project Number: 21-12248	**Reported:**
Los Angeles CA, 90012	Project Manager: Ryan Thacher	10/18/22 15:48

WR1-NWStep1-0.5

T222756-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Metals by EPA 6010B									
Lead	**8.5**	3.0	mg/kg	1	2210061	10/05/22	10/07/22	EPA 6010b	

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants - Los Angeles	Project: Weymouth Rail	
250 East 1st Street, Suite 1400	Project Number: 21-12248	Reported:
Los Angeles CA, 90012	Project Manager: Ryan Thacher	10/18/22 15:48

WR1-NEStep1-0.5
T222756-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Metals by EPA 6010B									
Lead	**62**	3.0	mg/kg	1	22J0061	10/05/22	10/07/22	EPA 6010b	
TCLP Metals by 6000/7000 Series Methods									
Lead	ND	0.10	mg/l	1	22J0178	10/11/22	10/17/22	EPA 1311	
STLC Metals by 6000/7000 Series Methods									
Lead	**0.94**	0.50	mg/l	1	22J0177	10/11/22	10/17/22	STLC Waste Extraction Test	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants - Los Angeles	Project: Weymouth Rail	
250 East 1st Street, Suite 1400	Project Number: 21-12248	**Reported:**
Los Angeles CA, 90012	Project Manager: Ryan Thacher	10/18/22 15:48

WR1-NEStep1-1.5

T222756-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Metals by EPA 6010B									
Lead	**23**	3.0	mg/kg	1	2210061	10/05/22	10/07/22	EPA 6010b	

SunStar Laboratories, Inc.

Jeff Lee, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants - Los Angeles	Project: Weymouth Rail	
250 East 1st Street, Suite 1400	Project Number: 21-12248	**Reported:**
Los Angeles CA, 90012	Project Manager: Ryan Thacher	10/18/22 15:48

WR1-NEStep2-0.5

T222756-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Metals by EPA 6010B									
Lead	**20**	3.0	mg/kg	1	2230061	10/05/22	10/07/22	EPA 6010b	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants - Los Angeles	Project: Weymouth Rail	
250 East 1st Street, Suite 1400	ProjectNumber: 21-12248	**Reported:**
Los Angeles CA, 90012	Project Manager: Ryan Thacher	10/18/22 15:48

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 22J0061/- EPA 3050B										
Blank (22J0061-BLK1)				Prepared: 10/05/22 Analyzed: 10/07/22						
Lead	ND	3.0	mg/kg							
LCS (22J0061-BS1)				Prepared: 10/05/22 Analyzed: 10/07/22						
Lead	112	3.0	mg/kg	100		112	75-125			
Matrix Spike (22J0061-MS1)	**Source: T222735-06**			Prepared: 10/05/22 Analyzed: 10/07/22						
Lead	90.8	3.0	mg/kg	100	3.28	87.5	75-125			
Matrix Spike Dup (22J0061-MSD1)	**Source: T222735-06**			Prepared: 10/05/22 Analyzed: 10/07/22						
Lead	86.6	3.0	mg/kg	100	3.28	83.3	75-125	4.66	20	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants - Los Angeles	Project: Weymouth Rail	
250 East 1st Street, Suite 1400	Project Number: 21-12248	**Reported:**
Los Angeles CA, 90012	Project Manager: Ryan Thacher	10/18/22 15:48

TCLP Metals by 6000/7000 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 22J0178 - TCLP Metals										
Blank (22J0178-BLK1)				Prepared: 10/11/22 Analyzed: 10/17/22						
Lead	ND	0.10	mg/l							
LCS (22J0178-BS1)				Prepared: 10/11/22 Analyzed: 10/17/22						
Lead	0.478	0.10	mg/l	0.500		95.7	75-125			
Matrix Spike (22J0178-MS1)		Source: T222756-03		Prepared: 10/11/22 Analyzed: 10/17/22						
Lead	0.536	0.10	mg/l	0.500	0.0440	98.4	75-125			
Matrix Spike Dup (22J0178-MSD1)		Source: T222756-03		Prepared: 10/11/22 Analyzed: 10/17/22						
Lead	0.524	0.10	mg/l	0.500	0.0440	96.0	75-125	2.22	30	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants - Los Angeles	Project: Weymouth Rail	
250 East 1st Street, Suite 1400	ProjectNumber: 21-12248	**Reported:**
Los Angeles CA, 90012	Project Manager: Ryan Thacher	10/18/22 15:48

STLC Metals by 6000/7000 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 22J0177 - STLC Metals										
Blank (22J0177-BLK1)				Prepared: 10/11/22 Analyzed: 10/17/22						
Lead	ND	0.50	mg/l							
LCS (22J0177-BS1)				Prepared: 10/11/22 Analyzed: 10/17/22						
Lead	10.1	0.50	mg/l	10.0		101	75-125			
Matrix Spike (22J0177-MS1)	**Source: T222756-03**			Prepared: 10/11/22 Analyzed: 10/17/22						
Lead	15.2	0.50	mg/l	10.0	5.40	97.8	75-125			
Matrix Spike Dup (22J0177-MSD1)	**Source: T222756-03**			Prepared: 10/11/22 Analyzed: 10/17/22						
Lead	15.3	0.50	mg/l	10.0	5.40	99.2	75-125	0.932	30	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Rincon Consultants - Los Angeles	Project: Weymouth Rail	
250 East 1st Street, Suite 1400	Project Number: 21-12248	Reported:
Los Angeles CA, 90012	Project Manager: Ryan Thacher	10/18/22 15:48

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeff Lee, Project Manager

T22+26

ENTHALPY ANALYTICAL

Chain of Custody Record

Lab No:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X	5 Day:		3 Day:	
2 Day:		1 Day:		Custom TAT:	

Sun Star Lab
~~Enthalpy Analytical - Orange~~
~~931 W. Barkley Avenue, Orange, CA 92868~~
~~Phone 714-771-6900~~

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD= Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Sample Receipt Temp: 3.3°C (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Name:	~~Portola Northeast~~ Weymouth Rd 1
Report To:	~~Will Salisbury~~ Ryan Thacher	Number:	~~21-11763~~ 21-12248
Email:	rthacher@rinconconsultants.com wsalisbury@rinconconsultants.com	P.O.#:	"
Address:	~~2215 Faraday Ave, Suite A, Carlsbad, CA 92008~~ 250 E 1st St Suite 1400 Los Angeles CA 90012	Address:	~~Portola Northeast, Lake Forest, CA~~
Phone:	~~(760) 517-9145~~	Global ID:	-
Fax:	-	Sampled By:	Jon Bridgeman

Analysis Request: ~~Metals (EPA 6010B/7471A)~~ ~~TPH-G, TPH-D, TPH-O (EPA 8015B)~~ ~~TPH w/ SGCLU (EPA 8015B)~~ ~~SVOCs (EPA 8270C)~~ ~~OCPs (Pesticides)~~ ~~VOCs (EPA 8260B)~~ Lead by EPA 6010B

Test Instructions / Comments: For all TPH-D and TPH-O detections, please reanalyze these samples with silica gel cleanup.

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead by EPA 6010B	Test Instructions / Comments
1	WR1-SWStep2-0.5	10/4	730	S	1-8oz		✓	
2	WR1-SWStep2-1.5	10/4	755	S	1-8oz		✓ 10	1:dd
3	WR1-SWStep1-0.5	10/4	0850	S	1-8oz		✓	
4	WR1-SWStep1-1.5	10/4	855	S	1-8oz		✓	
5	WR1-SWStep1-0.5	10/4	0840	S	1-8oz		✓	
6	WR1-NWStep1-0.5	10/4	0846	S	1-8oz		✓	
7	WR1-NEStep1-0.5	10/4	0810	S	1-8oz		✓	
8	WR1-NEStep1-1.5	10/4	0815	S	1-8oz		✓	
9	WR1-NEStep2-0.5	10/4	0830	S	1-8oz		✓	
10								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Jon Bridgeman	Rincon	10/4 949
1 Received By:		David Berner	Sunstar	10-4 949
2 Relinquished By:		David Berner	Sunstar	10.4 1450
2 Received By:		Elizabeth Gamwell	Sun Star	10/4/22 14:50
3 Relinquished By:				
3 Received By:				

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

Rev. 02B Date 08/21
Receiving Form 001A

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T222756

Client Name: Rincon Project: Weymouth Rail

Delivered by: ☐ Client ☒ SunStar Courier ☐ GLS ☐ FedEx ☐ Other

If Courier, Received by: Dave Date/Time Courier Received: 10.4.22 e 949

Lab Received by: Elizabeth e Date/Time Lab Received: 10.4.22 1450 e

Total number of coolers received: 1 Thermometer ID: SC-1 Calibration due : 8/2/23

Temperature: Cooler #1	3.2 °C +/- the CF (+ 0.1°C) =	3.3	°C corrected temperature
Temperature: Cooler#2	°C +/- the CF (+ 0.1°C) =		°C corrected temperature
Temperature: Cooler#3	°C +/- the CF (+ 0.1°C) =		°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)	Within criteria?	☒Yes	☐No ☐N/A
If NO:			
Samples received on ice?	☐Yes	☐No→ **Complete Non-Conformance Sheet**	
If on ice, samples received same day collected?	☐Yes → Acceptable	☐No→ **Complete Non-Conformance Sheet**	

Custody seals intact on cooler/sample	☐Yes	☐No*	☒N/A
Sample containers intact	☒Yes	☐No*	
Sample labels match Chain of Custody IDs	☒Yes	☐No*	
Total number of containers received match COC	☒Yes	☐No*	
Proper containers received for analyses requested on COC	☒Yes	☐No*	
Proper preservative indicated on COC/containers for analyses requested	☐Yes	☐No*	☒N/A
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times	☒ Yes	☐No*	

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date: DG 10.4.22

Comments:

(949) 297-5020 ■ www.sunstarlabs.com ■ 25712 Commercentre Drive ■ Lake Forest, CA 92630

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T222756

Client: Rincon Consultants - Los Angeles
Project: Weymouth Rail
Project Manager: Jeff Lee
Project Number: 21-12248

Report To:
Rincon Consultants - Los Angeles
Ryan Thacher
250 East 1st Street, Suite 1400
Los Angeles, CA 90012

Date Due: 10/11/22 17:00 (5 day TAT)
Received By: Elizabeth Sprowell
Date Received: 10/04/22 14:50
Logged In By: Elizabeth Sprowell
Date Logged In: 10/05/22 11:42

Samples Received at: 3.3°C
Custody Seals: No
Received On Ice: Yes
Containers Intact: Yes
COC/Labels Agree: Yes
Preservation Confin: No

Analysis	Due	TAT	Expires	Comments
T222756-01 WR1-SWStep2-0.5 [Soil] Sampled 10/04/22 07:50 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 07:50	
T222756-02 WR1-SWStep2-1.5 [Soil] Sampled 10/04/22 07:55 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T222756-03 WR1-SWStep1-0.5 [Soil] Sampled 10/04/22 08:50 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:50	
T222756-04 WR1-SWStep1-1.5 [Soil] Sampled 10/04/22 08:55 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:55	
T222756-05 WR1-SWStep1-0.5 [Soil] Sampled 10/04/22 08:40 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:40	
T222756-06 WR1-NWStep1-0.5 [Soil] Sampled 10/04/22 08:46 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:46	
T222756-07 WR1-NEStep1-0.5 [Soil] Sampled 10/04/22 08:10 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:10	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORKORDER

T222756

Client:	**Rincon Consultants - Los Angeles**	**Project Manager:**	**Jeff Lee**
Project:	**Weymouth Rail**	**Project Number:**	**21-12248**

Analysis	Due	TAT	Expires	Comments
T222756-08 WR1-NEStep1-1.5 [Soil] Sampled 10/04/22 08:15 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:15	
T222756-09 WR1-NEStep2-0.5 [Soil] Sampled 10/04/22 08:30 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:30	

Reviewed By

Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORKORDER

T222756

Client: Rincon Consultants - Los Angeles
Project: Weymouth Rail
Project Manager: Jeff Lee
Project Number: 21-12248

Report To:
Rincon Consultants - Los Angeles
Ryan Thacher
250 East 1st Street, Suite 1400
Los Angeles, CA90012

Date Due: 10/11/22 17:00 (5 day TAT)
Received By: Elizabeth Sprowell
Logged In By: Elizabeth Sprowell
Date Received: 10/04/22 14:50
Date Logged In: 10/05/22 11:42

Samples Received at: 3.3°C
Custody Seals No
Received On Ice Yes
Containers Intact Yes
COC/Labels Agree Yes
Preservation Confin No

Analysis	Due	TAT	Expires	Comments
T222756-01 WR1-SWStep2-0.5 [Soil] Sampled 10/04/22 07:50 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 07:50	
T222756-02 WR1-SWStep2-1.5 [Soil] Sampled 10/04/22 07:55 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T222756-03 WR1-SWStep1-0.5 [Soil] Sampled 10/04/22 08:50 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:50	
STLC Pb	10/18/22 15:00	5	04/02/23 08:50	
STLC Leaching Procedure Metals	10/18/22 15:00	5	04/02/23 08:50	
TCLP Leaching Procedure Metals	10/18/22 15:00	5	04/02/23 08:50	
TCLP Pb	10/18/22 15:00	5	04/02/23 08:50	
T222756-04 WR1-SWStep1-1.5 [Soil] Sampled 10/04/22 08:55 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:55	
STLC Pb	10/18/22 15:00	5	04/02/23 08:55	
STLC Leaching Procedure Metals	10/18/22 15:00	5	04/02/23 08:55	
TCLP Leaching Procedure Metals	10/18/22 15:00	5	04/02/23 08:55	
TCLP Pb	10/18/22 15:00	5	04/02/23 08:55	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T222756

Client:	**Rincon Consultants - Los Angeles**	**Project Manager:**	**Jeff Lee**
Project:	**Weymouth Rail**	**Project Number:**	**21-12248**

Analysis	Due	TAT	Expires	Comments
T222756-05 WR1-SWStep1-0.5 [Soil] Sampled 10/04/22 08:40 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:40	
T222756-06 WR1-NWStep1-0.5 [Soil] Sampled 10/04/2208:46 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:46	
T222756-07 WR1-NEStep1-0.5 [Soil] Sampled 10/04/22 08:10 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:10	
T222756-08 WR1-NEStep1-1.5 [Soil] Sampled 10/04/22 08:15 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:15	
T222756-09 WR1-NEStep2-0.5 [Soil] Sampled 10/04/22 08:30 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:30	

Reviewed By

Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T222756

Client: Rincon Consultants - Los Angeles
Project: Weymouth Rail
Project Manager: Jeff Lee
Project Number: 21-12248

Report To:
Rincon Consultants - Los Angeles
Ryan Thacher
250 East 1st Street, Suite 1400
Los Angeles, CA90012

Date Due: 10/11/22 17:00 (5 day TAT)
Received By: Elizabeth Sprowell
Date Received: 10/04/22 14:50
Logged In By: Elizabeth Sprowell
Date Logged In: 10/05/22 11:42

Samples Received at: 3.3°C
Custody Seals No
Received On Ice Yes
Containers Intact Yes
COC/Labels Agree Yes
Preservation Confin No

Analysis	Due	TAT	Expires	Comments
T222756-01 WR1-SWStep2-0.5 [Soil] Sampled 10/04/22 07:50 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 07:50	
T222756-02 WR1-SWStep2-1.5 [Soil] Sampled 10/04/22 07:55 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T222756-03 WR1-SWStep1-0.5 [Soil] Sampled 10/04/22 08:50 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:50	
STLC Pb	10/18/22 15:00	5	04/02/23 08:50	
STLC Leaching Procedure Metals	10/18/22 15:00	5	04/02/23 08:50	
TCLP Leaching Procedure Metals	10/18/22 15:00	5	04/02/23 08:50	
TCLPaPb	10/18/22 15:00	5	04/02/23 08:50	
T222756-04 WR1-SWStep1-1.5 [Soil] Sampled 10/04/22 08:55 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:55	
STLC Pb	10/18/22 15:00	5	04/02/23 08:55	
STLC Leaching Procedure Metals	10/18/22 15:00	5	04/02/23 08:55	
TCLP Leaching Procedure Metals	10/18/22 15:00	5	04/02/23 08:55	
TCLPaPb	10/18/22 15:00	5	04/02/23 08:55	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORKORDER

T222756

Client:	**Rincon Consultants - Los Angeles**	**Project Manager:**	**Jeff Lee**
Project:	**Weymouth Rail**	**Project Number:**	**21-12248**

Analysis	Due	TAT	Expires	Comments
T222756-05 WR1-SEStep1-0.5 [Soil] Sampled 10/04/22 08:40 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:40	
T222756-06 WR1-NWStep1-0.5 [Soil] Sampled 10/04/2208:46 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:46	
T222756-07 WR1-NEStep1-0.5 [Soil] Sampled 10/04/22 08:10 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:10	
STLC Pb	10/18/22 15:00	5	04/02/23 08:10	
STLC Leaching Procedure Metals	10/18/22 15:00	5	04/02/23 08:10	
TCLP Leaching Procedure Metals	10/18/22 15:00	5	04/02/23 08:10	
TCLP Pb	10/18/22 15:00	5	04/02/23 08:10	
T222756-08 WR1-NEStep1-1.5 [Soil] Sampled 10/04/22 08:15 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:15	
T222756-09 WR1-NEStep2-0.5 [Soil] Sampled 10/04/22 08:30 (GMT-08:00) Pacific Time (US &				
6010 Pb	10/11/22 15:00	5	04/02/23 08:30	

Reviewed By

Date