HILLMANN
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SOIL MANAGEMENT PLAN

700 NORTH SUNNYSIDE AVENUE, SIERRA MADRE, CALIFORNIA 91024

Prepared For:

Toll Brothers
9301 Corbin Avenue, Suite 1200
Irvine, California 92612

Hillmann Project Number C3-10722

January 27, 2026

Written By:
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1.0 INTRODUCTION

Hillmann Consulting, LLC (Hillmann) has prepared this Soil Management Plan (SMP) for the proposed development at 700 North Sunnyside Avenue, Sierra Madre, California 91024. The Subject Property includes two (2) parcels that together occupy approximately 20 acres and is a part of a larger retreat center. The Subject Property is located in the northern portion of a primarily residential area with residences located to the west and south of the site **(Figure 1).** The layout of the site is depicted on **Figure 2**. The objective of this SMP is to provide a framework for handling contaminated soil that could conceivably be encountered during grading and excavation.

2.0 BACKGROUND

The Subject Property Records indicate the Property has been used as agricultural land until 1964 and an orchard was present at the small northeast corner until circa 2020. Additionally, Hillmann noted that historical records identified a former 500-gallon leaded gasoline UST located at a north adjoining maintenance building that was removed in 1992.

In order to determine whether the Property had suffered a release of hazardous substances as a result of the historic operation, in June 2020, the prior owner conducted and completed a Limited Phase II Subsurface Investigation at the Property that included shallow soil boring in thirty-three (33) targeted locations across the site, that were composited into eight (8) soil samples. Additionally, two (2) soil vapor borings were advanced to 5 feet and samples were collected along the border of the maintenance building where the former UST was located and tested for VOCs by USEPA TO-15. The soil samples were analyzed for organochlorine pesticides by EPA Method 8081A and arsenic/lead by EPA.

Results from the composite soil sampling indicated that no organochlorine pesticides were detected in any of the soil samples collected from the areas of historical agricultural activities. The heavy metals analysis indicated several detections of heavy metals. Most notably lead was detected with a max concentration of 32 milligrams per kilogram (mg/Kg) and arsenic with a max concentration of 5.8 mg/Kg. The detected concentrations were well below against the United States Environmental Protection Agency (USEPA) Regional Screening Level (RSL) for residential use of 480 mg/kg for lead, and also below the Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) residential screening level of 80 mg/kg for lead. The concentration of arsenic is above the USEPA RSL for residential use of 0.68 mg/kg, but within the southern California regional background levels of 0.6 to 12.0 mg/kg.

Results of the soil vapor investigation at the property indicated that both soil gas samples had detectable concentrations several VOCs including acetone, benzene, chloroform, chloromethane, dichlorodifluoromethane, ethylbenzene, isopropanol, tert-butyl alcohol (TBA), toluene, trichloroethene, and xylenes were detected along the northern edge of the Subject Property. The concentrations were found below risk-based screening levels for residential land use. Based on the results of the soil vapor investigation, the consultant for the prior owner concluded that no additional sampling was warranted, and that the property was suitable for residential development. Hillmann concurs with that assessment of those results.

In January 2026, Hillmann conducted an additional subsurface investigation on the Subject Property. The investigation was conducted at the request of the owners due to recent fires in the area having affected structures nearby and on the Subject Property. Given the potential impacts on the shallow soil due to contamination from ash and debris generated by the high-temperature combustion of electrical equipment, appliance, plastics, wood, lead-based paint, and other household materials, Hillmann proposes conducting confirmation sampling on the property. The sampling was conducted in accordance with the recommended guidelines established by the California Department of Public Health (CDPH) and CalRecycle.

On January 12, 2026 Hillmann conducted shallow soil sampling at the Subject Property that included advancing eighty-nine (89) soil borings. The samples were composited into five-point composites in areas proximal to ash footprints of former structures along the western property boundary and former maintenance structures, and into four-point composites in other areas to characterize background metal concentrations. Composite samples were homogenized and submitted for laboratory analysis. Five-point composites were analyzed for Title 22 metals (EPA Method 6020), including arsenic, cobalt, and lead, as well as benzo(a)pyrene and naphthalene (EPA Method 8270C) and dioxin toxic equivalency (Dioxin-TEQ; EPA Method 8290). Four-point composites were analyzed for Title 22 metals by EPA Method 6020, including arsenic, cobalt, and lead.

The results from heavy metal analysis indicated low level detections of arsenic, cobalt, and lead. However, none of the shallow samples had concentrations greater than current residential screening levels or background levels in the case of arsenic. The results of the SVOCs and Dioxins indicated non-detect values for both Benzo(a) Pyrene and Naphthalene in all the fire sample results. Dioxins were found in all the fire samples, however only one (1) sample FS-2 was found to be above residential screening levels for Dioxin TEQ. Based on the laboratory analysis results Hillmann recommended supplemental soil sampling within the areas surrounding the grid FS-2.

On January 20, 2026, in order to further delineate the potential horizontal impacts as a result of the fires, Hillmann conducted supplemental soil sampling in the areas denoted by S-1 and S-2. The sampling was conducted in accordance with the recommended guidelines established by the California Department of Public Health (CDPH) and CalRecycle. Ten (10) soil borings were advanced in the areas of S-1 and S-2 and composited into two (2) samples, S-1R and S-2R, respectively. The samples were analyzed for dioxin toxic equivalency (Dioxin-TEQ; EPA Method 8290). The results of the Dioxin analysis indicated that both, S-1R and S-2R had detectable concentrations of however, neither sample showed concentrations above the applicable residential screening levels. **Table 1** shows the reported concentrations compared to their applicable screening levels. The full analytical results of the soil sampling events are available in **Appendix B.**

Based on the results of the shallow soil sampling, Hillmann recommends spot excavation in the area of FS-2, coupled with confirmation testing and proper handling and disposal of the dioxin contaminated material. If the results from confirmation testing indicate the material has been adequately removed, the grading plan for the site can be initiated and performed under the guidance of a Soil Management Plan (SMP) for the site that provides a framework for handling impacted soil that conceivably could be encountered during site excavation activities.

Therefore, it was recommended that a Soil Management Plan be developed and implemented during construction activities to address proper response actions in the event that any impacted soils are encountered during redevelopment.

3.0 SOIL MANAGEMENT PROCEDURES FOR CONSTRUCTION

The following procedures will be implemented during site construction to minimize impacts to the environment and to protect workers during on-site activities. This SMP will be implemented during excavation and site grading tasks.

3.1 Soil Monitoring

Based on the past use of the Property, it is possible that volatile contaminants may be present in the soil that could impact the environment and on-site workers during excavation tasks. A potential health and safety hazard posed by this project is the possibility of inhalation of volatile vapors and dusts that could be released from the soil and/or soil gas and could potentially contain hazardous constituents.

The greatest potential for exposure exists during excavation and grading, where fugitive vapors and dusts could be admitted to the atmosphere and personnel could come in contact with vapors containing these constituents. The following steps will be taken to mitigate this potential risk.

Although VOCs may be present, the primary contaminants of concern during excavation activities are dioxins and heavy metals (primarily arsenic and lead) in soil dust as a result of the recent fires. To minimize potential exposure and migration, affected soils and active work areas will be immediately sprayed with water to reduce dust dispersal in air. Any contaminated soil that is stockpiled will be covered with plastic sheeting and remain covered and undisturbed until sampled or removed from the site.

Soil segregated as potentially impacted, including soils that show visible discoloration, or other indication of impact, will be managed conservatively and treated as potentially impacted material. Impacted soil stockpiles will be sampled at a frequency of one sample per 250 cubic yards for waste profiling to support appropriate handling and disposal. All segregated impacted soils will be removed from the site unless specifically approved for on-site reuse by applicable regulatory authority. Any soils meeting the criteria for hazardous waste will be disposed of in accordance with all applicable regulatory requirements.

3.2 Soil Sampling

If the soil monitoring program indicates any areas of impacted soil, the location will be carefully marked with temporary flags and an area of 25 feet by 25 feet will be cordoned off. The native soil in the cordoned area will be sampled by establishing a rough grid and obtaining four (4) soil samples from a depth of 1-2 feet below the current grade level.

The samples will be obtained using hand drilling tools that will be carefully marked within the cordoned area with temporary flags. The objective of this initial portion of the program is to

provide a reasonable indication on the lateral extent of potentially impacted soil before exposure of potentially significant contamination. This program will also be useful in determining if a false positive has been encountered.

Soil samples will be preserved using ice pending delivery to the laboratory. Proper chain of custody will be observed from sample collection through laboratory analysis. The samples will be laboratory analyzed for carbon chain hydrocarbons and VOCs by EPA Methods 8015M and 8260B, as well as for benzo(a)pyrene and naphthalene (EPA Method 8270C), dioxin toxic equivalency (Dioxin-TEQ; EPA Method 8290) and lead (Title 22 CAM). These results will be made available so that decisions can be made regarding the significance of the potential contamination and the need for additional and deeper sampling.

3.3 Removal of Dioxin Impacted Soil at Location FS-2

Soil analytical results indicate that dioxin concentrations at sample location FS-2 exceeded the applicable residential screening level of 4.8E-06 established by the EPA Region IX Regional Screening Levels for residential soil. To address this exceedance, approximately 100 cubic yards of impacted soil are planned for removal from the vicinity as FS-2. Excavation will extend laterally and vertically until confirmation sampling indicates that residual soil concentrations are below the established screening levels. Confirmation samples will be collected from the base and sidewalls of the excavation to verify that cleanup goals have been achieved. The location of sample FS-2 is depicted in **Figure 3**.

If any confirmation sample results exceed the cleanup target concentrations, additional excavation will be conducted in the affected area until confirmation sampling verifies that remaining soils meet the target criteria. The excavated dioxin-impacted soils will be stockpiled on-site on plastic-lined areas, covered with plastic sheeting, and subsequently containerized in sealed, DOT-approved bins for off-site transport or hauled off by covered truck.

The waste soil will be transported under manifest by a licensed hazardous waste hauler to an appropriately permitted disposal facility. All excavation and handling activities will be conducted in accordance with site-specific health and safety and dust control protocols to minimize potential exposure and prevent the spread of impacted soil. Upon confirmation that all verification samples are below the applicable screening levels, a technical memorandum will be prepared summarizing the excavation and confirmation sampling activities conducted for the removal of dioxin-impacted soil, with attached laboratory results and waste manifest documentation.

3.4 Dust Control

To minimize dust during excavation and soil handling, the following procedures will be observed.

- Water all active construction areas at least twice daily or as necessary to prevent visible dust plumes from migrating outside of the site limits.
- Mist or spray water while loading transportation vehicles.
- Minimize drop heights while loading transportation vehicles.

- Use tarpaulins or other effective covers for trucks carrying soils that travel on public streets.
- Pave, apply water 3 times daily, or apply non-toxic soil stabilizers on all unpaved access roads, parking areas, and staging areas.
- Sweep all paved access routes parking areas and staging areas daily, if visibly soiled.

3.5 Erosion Control

A Storm Water Pollution Prevention Plan (SWPPP) will be developed by the site contractor prior to initiation of site work that details procedures for minimizing erosion. The SWPPP will include elements such as silt traps and hay bales to minimize surface water runoff from the site into storm drains. Berms will be used to control runoff, and soil stockpiles will be covered during the rainy season (November through March) to minimize sediment runoff.

3.6 Soil Stockpile Management

Temporary stockpiling of excavated soil may be necessary throughout site construction. Soil stockpiled at the site will be lightly sprayed with water as needed to minimize dust. To the extent practical, the soil stockpiles will be covered with plastic sheeting or other similar material at times when not in active use. When a soil stockpile is uncovered during the rainy season, it will be surrounded by hay bales and/or silt traps to minimize sediment runoff.

3.7 Soil Disposal

Site development has been designed to minimize the generation of excess soil; therefore, soil requiring off-site disposal is not anticipated. Although not anticipated at this time, if excess soil is generated from the site, the excess soil will be profiled to determine appropriate disposal options. Handling and disposal of the soil will be conducted in accordance with all applicable state and federal laws.

3.8 Site Access Control

The construction site will be fenced to control pedestrian or vehicular entry, except at controlled points (i.e., gates). Gates will be closed and locked during non-construction hours. "No-trespassing" signs will be posted every 500 feet along the fencing.

4.0 SOIL MANAGEMENT FOLLOWING DEVELOPMENT

Following site development, the soil will be covered by asphalt pavement or grass (in the swale areas) and it is unlikely that the soil will be accessed, with the exception of future maintenance work on subsurface utilities. The removal of any impacted soil during construction tasks will minimize possible health risks to future maintenance workers at the site, which should not pose an unacceptable carcinogenic or non-carcinogenic risk.

Although the grass-covered common areas should not present an unacceptable risk to human health for visitors or trespassers, it is prudent that the grass-covered swale areas be well maintained. Therefore, the swale areas will be inspected quarterly to visually observe the

condition of the grass cover. Large areas of exposed soil (e.g., areas larger than several feet in diameter) should be reseeded as quickly as practical.
Annual inspections of the paved parking areas will be performed to observe whether breaches in the pavement that may allow prolonged access to site soil are visible. If observed, the breach would be repaired such that the soil cover is maintained.

5.0 CONTINGENCY PLAN

A Contingency Plan for this site is not warranted. The purpose of a Contingency Plan is to present response actions to an emergency situation. The possibility of exposure to site soil or groundwater while breaches in the pavement or grassy areas are being repaired would more than likely not present a situation requiring an emergency response.

6.0 HEALTH AND SAFETY GUIDLINES

A health and safety plan for site construction will be developed by the site contractor before initiation of the development activities. It is not anticipated that the minor soil gas contamination identified at the site would pose an unacceptable health risk to construction workers or nearby receptors during construction or future maintenance workers, visitors or trespassers after construction. However, the health and safety plan for the site includes contingencies for this case and is included in **Appendix A**.

TABLE 1

Summary of Soil Sampling Results (mg/Kg)

Sample ID	Arsenic	Cobalt	Lead	Benzo(a) Pyrene	Naphthalene	Dioxin_TEQ
Sampled January 12, 2026						
FS-1	<1.0	8.27	27.9	<0.25	<0.25	1.01E-06
FS-2	<1.0	8.61	10.1	<0.25	<0.25	**1.58E-05**
FS-3	<1.0	7.69	10.4	<0.25	<0.25	8.46E-07
FS-4	<1.0	6.56	8.75	<0.25	<0.25	3.56E-07
FS-5	<1.0	9.41	14.9	<0.25	<0.25	1.69E-07
FS-6	<1.0	12.3	16.5	<0.25	<0.25	1.32E-07
FS-7	<1.0	7.95	16.7	<0.25	<0.25	2.1E-07
FS-8	3.09	8.84	17.2	<0.25	<0.25	1.25E-06
FS-9	<1.0	6.67	11.7	<0.25	<0.25	4.22E-07
S-1	<1.0	7.78	10.1	NM	NM	NM
S-2	<1.0	10.5	6.51	NM	NM	NM
S-3	<1.0	9.33	12.7	NM	NM	NM
S-4	<1.0	9.82	8.87	NM	NM	NM
S-5	<1.0	7.73	14.6	NM	NM	NM
S-6	<1.0	8.29	14.7	NM	NM	NM
S-7	<1.0	8.38	14.0	NM	NM	NM
S-8	<1.0	8.60	9.94	NM	NM	NM
S-9	1.28	10.1	15.8	NM	NM	NM
S-10	<1.0	9.06	13.3	NM	NM	NM
S-11	<1.0	8.43	21.4	NM	NM	NM
Sampled January 20, 2026						
S-1R	NM	NM	NM	NM	NM	2.27E-07
S-2R	NM	NM	NM	NM	NM	1.34E-07
Residential RSL[1]	***0.68***	***23***	***80***	***0.11***	***2.0***	***4.8E-06***
Commercial RSL[2]	***3.0***	***350***	***320***	***2.1***	***8.6***	***2.2E-05***
TIER 1 ESLs[3]	***0.032***	***22***	***32***	***0.11***	***3.0E-02***	***4.8E-06***
DTSC HERO NOTE 3 SL[4]	***0.11***	***--***	***80***	***0.11***	***2.0***	***0.0001***
DTSC Background[5]	****12***	---	---	---	---	---

Notes: ND - Not Detected. ND - Not Detected NM – Not Measured. SL – Screening Level. PR – Pending Result
EPA Regional Screening Levels (RSLs) are human health risk-based screening levels used by EPA and DTSC in residential and commercial settings.

**DTSC Background Concentration is based on a statistical study of sites throughout southern California. This concentration may be used as a screening level for anthropogenic and naturally occurring levels of arsenic in soil in southern California - Values modified by DTSC HHRA Note 3. Please refer to the lab report for complete results.*

[1]EPA Region IX Regional Screening Levels for residential soil (November 2024)
[2]EPA Region IX Regional Screening Levels for industrial soil (November 2024)
[3]San Francisco Bay Regional Water Quality Control Board Tier 1 Environmental Screening Levels (ESLs) (July 2025)
[4]DTSC HERO Human Health Risk Assessment (HHRA) NOTE 3 Screening Levels in Soil, Residential (April 2025)
[5]DTSC HHRA Note Number 11 Southern California Ambient Arsenic Screening Level (December 2020)

FIGURES

FIGURE 1

General Site Plan
700 North Sunnyside Avenue
Sierra Madre, California

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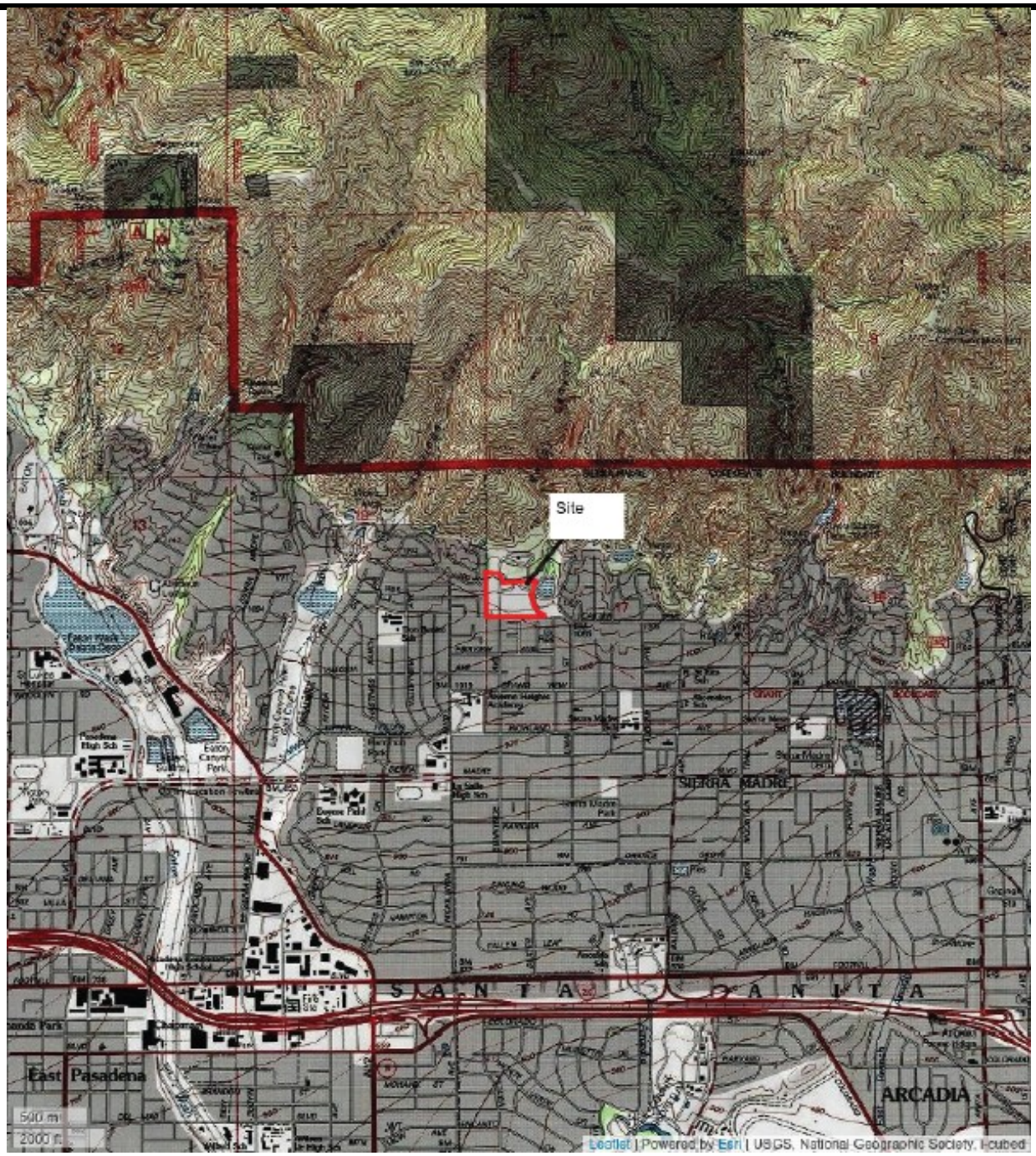

FIGURE 1

SITE VICINITY MAP
700 North Sunnyside Avenue
Sierra Madre, California

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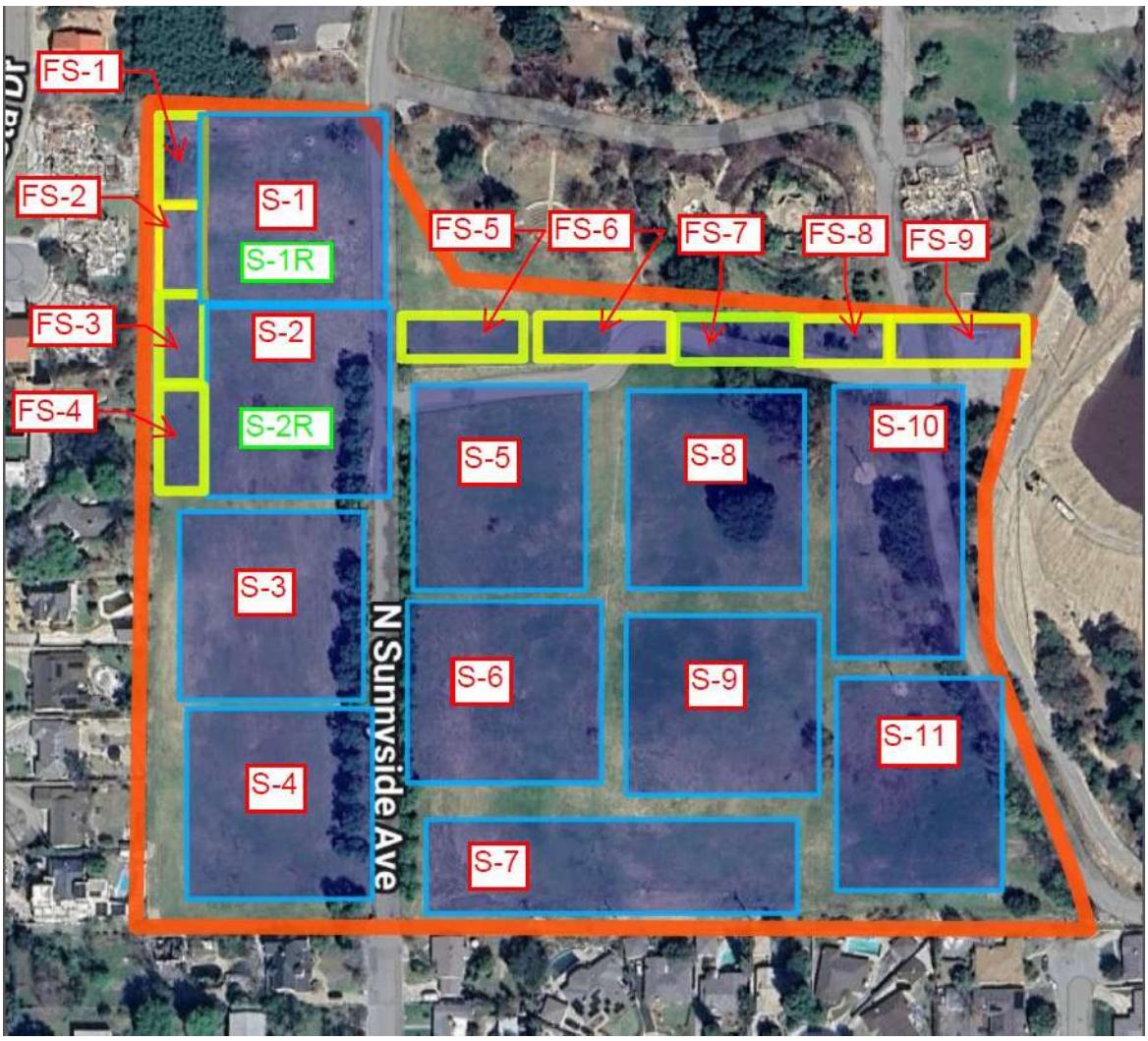

HILLMANN CONSULTING

700 North Sunnyside Avenue
Sierra Madre, California 91024

Hillmann Project No: C3-10722

PROJECT TITLE:

700 North Sunnyside Avenue

Client:

Toll Brothers

9301 Corbin Avenue, Suite 1200
IRVINE, CA 92612
TEL: (818) 332-7246

NOTES

Legend

FS-	=	Sampling Area of Fire Samples; 5-pt Composites; January 12th, 2026
S-	=	Sampling Area of Heavy Metal Samples; 4-pt Composites; January 12th, 2026
S-XR	=	Additional Fire Samples; January 20th, 2026

CONTRACTOR MUST VERIFY ALL QUANTITIES BEFORE BIDDING

TITLE:

Soil Sampling Map

DATE ISSUED:

DRAWING SCALE: NTS

Drawing Number:

Sheet: of

APPENDIX A
Health and Safety Plan

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HEALTH AND SAFETY PLAN
SUBJECT PROPERTY
700 North Sunnyside Avenue
Sierra Madre, California 91024

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INTRODUCTION / BACKGROUND

The following is a Health and Safety Plan for the Subject Property located at 700 North Sunnyside Avenue, Sierra Madre, California 91024.

The Subject Property Records indicate the Property has been used as agricultural land until 1964 and an orchard was present at the small northeast corner until circa 2020. Additionally, Hillmann noted that historical records identified a former 500-gallon leaded gasoline UST located at a north adjoining maintenance building that was removed in 1992.

In order to determine whether the Property had suffered a release of hazardous substances as a result of the historic operation, in June 2020, the prior owner conducted and completed a Limited Phase II Subsurface Investigation at the Property that included shallow soil boring in thirty-three (33) targeted locations across the site, that were composited into eight (8) soil samples. Additionally, two (2) soil vapor borings were advanced to 5 feet and samples were collected along the border of the maintenance building where the former UST was located and tested for VOCs by USEPA TO-15. The soil samples were analyzed for organochlorine pesticides by EPA Method 8081A and arsenic/lead by EPA. Results from the composite soil sampling indicated that no organochlorine pesticides were detected in any of the soil samples collected from the areas of historical agricultural activities. The heavy metals analysis indicated several detections of heavy metals. Most notably lead was detected with a max concentration of 32 milligrams per kilogram (mg/Kg) and arsenic with a max concentration of 5.8 mg/Kg. The detected concentrations were well below the United States Environmental Protection Agency (USEPA) Regional Screening Level (RSL) for residential use of 480 mg/kg for lead, and also below the Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) residential screening level of 80 mg/kg for lead. The concentration of arsenic is above the USEPA RSL for residential use of 0.68 mg/kg, but within the southern California regional background levels of 0.6 to 11.0 mg/kg.

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In January 2026, Hillmann conducted shallow soil sampling on the Subject Property. The investigation was conducted at the request of the owners due to recent fires in the area having affected structures nearby and on the Subject Property. Given the potential impacts on the shallow soil due to contamination from ash and debris generated by the high-temperature combustion of electrical equipment, appliance, plastics, wood, lead-based paint, and other household materials, Hillmann proposes conducting confirmation sampling on the property. The sampling was conducted in accordance with the recommended guidelines established by the California Department of Public Health (CDPH) and CalRecycle. On January 12, 2026 Hillmann conducted asoil sampling at the Subject Property that included advancing eighty-nine (89) soil borings. The samples were composited into five-point composites in areas proximal to ash footprints of former structures along the western property boundary and former maintenance structures, and into four-point composites in other areas to characterize background metal concentrations. Composite samples were homogenized and submitted for laboratory

analysis. Five-point composites were analyzed for Title 22 metals (EPA Method 6020), including arsenic, cobalt, and lead, as well as benzo(a)pyrene and naphthalene (EPA Method 8270C) and dioxin toxic equivalency (Dioxin-TEQ; EPA Method 8290). Four-point composites were analyzed for Title 22 metals by EPA Method 6020, including arsenic, cobalt, and lead.

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On January 20, 2026, in order to further delineate the potential horizontal impacts as a result of the fires, Hillmann conducted supplemental soil sampling in the areas denoted by S-1 and S-2. These results are currently pending; however, Hillmann recommends spot excavation in the area of FS-2, coupled with confirmation testing and proper handling and disposal of the dioxin contaminated material. If the results from confirmation testing indicate the material has been adequately removed, the grading plan for the site can be initiated and performed under the guidance of a Soil Management Plan (SMP) for the site that provides a framework for handling impacted soil that conceivably could be encountered during site excavation activities.

This health and safety plan is a supplement to the Soil Management Plan, which describes the procedures for screening and handling of potentially contaminated soil. The soil excavation and handling work will be conducted by a qualified contractor.

KEY PERSONNEL

A Site Safety Officer (SSO) and/or Project Manager (PM) should be assigned to manage the health and safety of workers and nearby residents during the excavation activities. This individual should have completed 40 hours of comprehensive health and safety training, which meets the requirements of Title 29 Code of Federal Regulations (29 CFR 1910.120) and is current with refresher training.

The Project Manager (PM) is responsible for generating, organizing, and compiling the Site Safety and Health Plan (SSHP), which describes all planned field activities and potential hazards that may be encountered at the site. The PM is also responsible for assuring that adequate training and safety briefing(s) for the project is provided to the project team.

The SSO's health and safety responsibilities include:

- Following the SSHP.
- Reporting to the PM any unsafe conditions or practices.
- Reporting to the PM all facts pertaining to incidents, which result in injury or exposure to toxic materials.

HAZARD ANALYSIS

The potential hazards to personnel working at this site have been identified as chemical contamination associated with small localized releases of petroleum from existing piping and dioxin impacted dust from grading activities as well as the physical hazards of working outdoors around construction equipment. Each potential hazard relative to possible exposure is described below.

Chemical Contamination

The primary health and safety hazard posed by this project is the potential of chemical contamination from inhalation of dust that potentially contain hazardous constituents that could be released from the soil. The principal constituents of concern include dioxin compounds, petroleum-related VOCs (benzene, ethylbenzene), TCE, and heavy metals (primarily arsenic) from soil.

Certain Dioxin compounds have been classified as "human carcinogens". These contaminants can cause cardiovascular disease, diabetes, cancer, porphyria, endometriosis, early menopause, reduced testosterone and thyroid hormones, altered immunologic response, skin, tooth, and nail abnormalities, altered growth factor signaling, and altered metabolism.

Benzene and naphthalene have been classified as "potential occupational carcinogens". This contaminant can cause skin and eye irritation, as well as, respiratory problems, fatigue, nausea, and abdominal pain. Target organs, which may be affected, are the central nervous system, respiratory system, eyes, blood, bone marrow and skin.

Additional constituents of concern are lead and arsenic, which have been classified as “heavy metal contaminants”. These contaminants can cause swelling of the face, nausea, vomiting, stomach pain, muscle aches, or diarrhea. Target organs, which may be affected, are the central nervous system, respiratory system, gastrointestinal tract, renal system, eyes, blood, bone marrow and skin

Tables 1 and **2** present a summary of the chemical exposure limits and characteristics associated with them.

The greatest potential for exposure exists during excavation, when fugitive vapors, dust or particulates could be admitted to the atmosphere during excavation activities. Personnel could come in contact with vapors, dust, and particulates containing these constituents.

Physical Hazards

On-site non-chemical hazards include working around heavy equipment, noise, and possible heat stress. While working at the site, the field personnel must be aware of heavy equipment movement and general traffic. Field personnel will exercise extreme caution around the equipment during testing. Noise levels around operating equipment may exceed a comfortable range in which case ear plugs will be utilized.

Presence of unauthorized personnel: Care will be taken to not allow any unauthorized person entrance to the area around the equipment on site.

Lifting hazards: Field personnel are instructed to wear a back-belt when lifting items weighing greater than 40 lbs.; lift by bending at the knees and using leg muscles. When lifting heavy items,

use the buddy system or a mechanical lifting device. Never twist or jerk your body while lifting. Use gloves when lifting sharp or abrasive objects, or where splinters are possible.

Noise hazards: Field personnel are instructed to wear hearing protection anytime they are conducting work near operating equipment, or anytime that the ambient noise level is sufficiently loud to require the employee to raise his/her voice to be heard.

Electrical hazards: Field personnel are instructed to take the proper precautions when handling or working on any electrical device on site. The following general steps should be taken at all times:

- Maintain appropriate distance from overhead utilities (20 feet minimum clearance from power lines; 10 feet minimum distance from shielded power lines).
- Use ground fault circuit interrupters as required.
- Always use three pronged plugs and extension cords.
- Follow all code requirements for electrical installations.

Hand and Power Tool hazards: All field personnel are required to implement the following general safety precautions when using any handheld or power tools:

- Keep the tools sharp, clean and properly maintained -worn tools can contribute to slips and breaks that can cause injury to personnel and damage to onsite equipment
- Do not use tools to perform tasks for which they were not intended
- Use proper eye protection when using any power tool.
- Inspect each power tool prior to use for damaged parts, loose fittings and frayed or damaged electrical cords. If damaged, do not use the tool until it has been repaired or replaced.
- No adjustments should be made to a power tool while it is plugged in.
- Always use the proper guards or shields when using power tools. NEVER use homemade handles or extensions.

Hot Work or Welding: Field personnel are advised that these activities have a potential to lead to a fire. Therefore, fire suppression equipment should be maintained in the work area. Steps should be taken to ensure that all flammable materials are protected from sources of ignition.

Slip, Trip, Fall hazards: Field personnel are instructed to inspect the work area for hazards prior to commencing work. These include uneven terrain, sloped areas, wet or slick areas, and areas covered with loose material. If slip, trip or fall hazards, they should be communicated to all employees at the work site and marked, if possible, with warning signs, cones and/or caution tape.

Fire hazards: To avoid fire and explosion, smoking or use of other flammable devices will NOT be permitted within the barricaded area. A fire extinguisher is to be maintained on site at all times.

Traffic hazards: Vehicular traffic is open to the public in the site vicinity. All work areas should be coned off prior to commencing work. Additionally, all field personnel should wear reflective safety vests and be cautious of vehicular traffic.

Mobile Heavy Equipment: More than 100 people each year are killed by mobile heavy equipment - including backhoes/excavators, mobile cranes, road grading and surfacing machinery, loaders, bulldozers, and tractors - on construction sites. These are the main causes of death:

Workers on foot are struck by equipment, usually when it's backing up or changing direction.

Equipment rolls over and kills the operator while on a slope or when equipment is loaded or unloaded from a flatbed/lowboy truck.

Operators or mechanics are run over or caught in equipment when the brakes aren't set, equipment is left in gear, wheel chocks are not used, or the equipment and controls aren't locked out.

Workers on foot or in a trench are crushed by falling equipment loads, backhoe buckets, or other moving parts.

Protect Yourself

Allow only **trained and experienced operators to operate heavy equipment.**

Be sure operators and mechanics are trained by qualified persons* experienced with the model of heavy equipment being used.

Rent or buy only heavy equipment that has rollover protective structures (**ROPSs**) and seat belts.

Use only flatbed/lowboy trucks and ramps that are suitable for **transporting** heavy equipment.

Ensure that a copy of the **operating manual** is on all machinery or available to the operator.

Identify the hazards of overhead and underground **power lines and utilities** and establish procedures for working around them. Before excavation begins, use the one-call system for utility cutoffs.

Make sure the manufacturer's **safety features** work.

Set a limited access zone and/or a swing radius for each piece of equipment.

Provide training on equipment hand signals.

Provide trained spotters or signal persons to alert operators to workers or pedestrians in the blind spots of the equipment - including workers in trenches or manholes.

As a heavy-equipment operator, you should:

Review operating, safety, and shutdown procedures in the operator's manual before you work with a new piece of equipment.

Check/inspect the equipment and controls every day before you begin work.

To **prevent slips and falls**, keep grease and fluids off the walking/working surfaces and use 3 points of contact when entering and exiting equipment (such as 2 hands and 1 foot).

To **prevent rollovers**, do not travel or work parallel to steep grades or embankments or on unstable soil.

If possible, operate heavy equipment that has a ROPS and fasten the seatbelt. (Don't use a seatbelt if you must use equipment that has no ROPS, because you may have to jump clear during a rollover.)

If equipment is rolling over or out of control, do not jump if it has a ROPS and seatbelt; you have a better chance of riding it out with a ROPS and your seat belt fastened.

Always put the transmission in park, shut off the motor, set the brakes, and perform any other needed **shutdown procedures**/lockout of controls and/or attachments before working on or around the equipment.

---

*OSHA says a qualified person...by extensive knowledge, training, and experience can...solve...problems related to the subject matter....

Protect Others

To protect other workers or pedestrians:

Do not back up unless you are sure no one is behind you. Use mirrors, where appropriate.

Do not depend only on backup alarms. They are not always heard on noisy construction sites.

Use barriers to separate workers on foot, pedestrians, and vehicles from moving equipment, where possible.

When loading or unloading materials, make sure that only essential workers are in the area and have a spotter/signal person to let you know where they are. No one should be under a suspended load.

Never allow other workers to ride on equipment.

Don't speed; be extra careful around other traffic, hills, obstacles, and curves.

Heat Stroke and Heat exhaustion: The potential for heat stress is a concern when field activities are performed on warm, sunny days, and is accentuated when chemical protective clothing is worn. Heat stress prevention measures and monitoring will be implemented if site temperatures are above 88 degrees Fahrenheit. Precautions to prevent heat stress will include work/rest cycles so rest periods are taken before excessive fatigue occurs, and regular intake of water to replace that lost from perspiration. To prevent dehydration, all workers will be required to drink fluids during work. An initial work/rest cycle of one hour work and fifteen minutes rest is recommended for protection of staff when the heat stress hazard is high. The recommended cycle will be adjusted up or down based upon worker monitoring, environmental conditions, and the judgement of the site safety officer.

At any time, field team members recognize the signs or symptoms of heat stress prior to a scheduled rest period, they will notify the SSO immediately in order that a rest period can be called. Heat stress, if not prevented, results in heat stress illnesses. Two critical illnesses, if not recognized and treated immediately, can become life threatening. These are heat exhaustion and heat stroke. Heat exhaustion will result if the prevention measures described above are not implemented. Ignoring the signs and symptoms of heat exhaustion will lead to the development of heat stroke. Heat stroke is an immediate, life-threatening condition that results because the body's heat regulation mechanisms shut down, and the body cannot cool itself sufficiently. As heat is excessively stored in the body, brain damage can result causing permanent disability or death.

The signs and symptoms of heat exhaustion are headache; dizziness; nausea; weakness; fainting; profuse sweating; loss of appetite; approximately normal body temperature; dilated pupils; weak and rapid pulse; shallow and rapid breathing; possible cramps in abdomen and extremities; difficulty walking; cool and sweaty skin to the touch; pale to ashen gray coloring.

First aid for heat exhaustion is as follows:

- Immediately remove victim to the support area, or if you are the victim, proceed to the support area.
- Decontaminate, if practical, before entering support area.
- Start cooling, but be careful not to cause a chill (i.e., and/or remove clothing as much as practical, especially chemical resistant clothing).
- Drink cool water slowly, but only if conscious and not in shock.
- If vomiting, and/or the signs and symptoms are not lessening within an hour, call for emergency help and/or transport the victim to emergency room.
- It is likely that a heat exhaustion victim will be unable to work for the remainder of the day.

The signs and symptoms of heat stroke are hot, dry skin to the touch; reddish coloring: body temperature >105ºF; no sweating; mental confusion; deep, rapid breathing that sounds like snoring progressing to shallow, weak breathing; headache; dizziness; nausea; vomiting; weakness; dry mouth; convulsions, muscular twitching, sudden collapse, possible unconsciousness.

First aid for heat stroke is as follows:

- Immediately remove the victim to the support area; prior to entering the support area, remove and dispose the victim's chemical-resistant clothing.
- Cool the victim rapidly using whatever means are available, including: shade; opening up and/or removing clothing; soaking clothing/skin with water and fanning; placing victim in vehicle using air conditioning on maximum.
- Do not give drinking water to victim.
- Treat for shock, if needed.
- Transport the victim to the emergency room or call for emergency help; no exceptions for heat stroke victim.

PERSONAL PROTECTIVE EQUIPMENT

Based on the hazard analysis for this project, the following personal protective equipment (PPE) will be required and used. Changes to these specified items of PPE will not be made without the approval of the site safety officer.

Level D (modified) protection will be the minimum required protection during drilling. It will consist of long sleeve shirts, gloves, chemical resistant steel-toed safety boots, and hard hats.

In addition, goggles and/or safety glasses should be worn, but it is not a requirement. If at any time throughout the course of this job, there is a potential for more exposure to the personnel, half and/or full-face respirators (Level C) may be required. Work will halt, if possible, exposure warrants level B protection.

ENVIRONMENTAL MONITORING PLAN

The potential hazards identified in the hazard analysis portion of this plan determined the need for initial and/or ongoing monitoring for assessment of exposure to the hazards as follows:

A direct-reading instrument will be used to monitor air quality in around the work areas. The specific instrument will be a photo ionization detector with a detection limit of 0.1 ppm and a range of 1.0 to 3,000 ppm for organic compounds. Calibration is performed daily with a standard of 100 ppm hexane in air.

Air monitoring for background levels of air contamination will be performed prior to the start of testing activities. Background concentrations will be noted and used as the baseline or zero concentration.

Air monitoring during excavation will be conducted in the immediate breathing zones at minimum intervals of every 15 minutes, or more frequently if needed. The measurements will be logged, showing the time and the concentration of the airborne organic compounds. The primary contaminants of concern for this investigation are gasoline related constituents. Of these, benzene has the lowest Permissible Exposure limit (PEL) of 1 ppm. **Table 2** displays the PEL and Short-Term Exposure Limits (STEL), applicable for the volatile organic vapors that may be occurring at the site.

At any time during monitoring, if the concentration exceeds 10 ppmv, soil will be stockpiled and isolated from the rest of the pile. If the vapor concentration exceeds 100 ppmv on the PID for 1 minute or more within the work area during drilling or testing, PPE will be upgraded to include half-face respirators equipped with organic vapor canisters. Benzene will be the primary pollutant of concern. The use of respirators will be discontinued when the concentrations dissipate to the acceptable levels, as determined by the site safety officer. If at any time the VOC concentrations exceed 100 ppm over background, all drilling and or testing activities will cease and the personnel will stop work and determine measures of mitigating the high VOC levels until safe concentrations are established and work can safely be reinitiated.

SITE CONTROL MEASURES

The potential chemical and physical hazards have been identified in this SSHP; however, should unexpected conditions arise, the SSO will stop all work at the site and the Project Manager will be notified. Work will not be completed until the SSHP has been revised or re-evaluated, accordingly.

DECONTAMINATION

All workers will wash hands, arms and face after removing PPE and prior to leaving the site. Disposable items will be bagged for disposal along with other hazardous wastes removed from property. Sampling equipment will be decontaminated using a steam cleaner or three bucket wash. All heavy equipment should be steam cleaned prior to removal from the site, if necessary. There are no special emergency decontamination procedures anticipated for this project.

EMERGENCY PROCEDURES

In the event of an emergency on site, the SSO will direct the course of action. The SSO will call for emergency assistance if needed. As soon as practical, the SSO will contact the Project Manager. All staff assigned to this project will be briefed on the procedures and responsibilities for implementation. A map showing the location and route to the hospital is included as **Figure 1**. In the event of a medical emergency, 911 should be used.

The SSO is trained in first-aid and CPR. A first-aid kit and fire extinguisher are located in the field vehicle. The nearest telephone numbers to be used to call for assistance are listed below. A copy of this list will be posted in the support zone of the work area.

The nearest hospital to the site is Saint Francis Medical Center. The telephone number of the hospital is shown below. **Name of Business**	**Telephone Number**
Fire or Police	911
USC Arcadia Hospital	(626) 898-8000
Hillmann Consulting – Ryan Terwilliger	(559)-905-6744

Hospital: USC Arcadia Hospital, 300 W Huntington Dr, Arcadia, CA 91007
Phone: (626) 898-8000

1. Head south on North Sunnyside Avenue
2. Turn right onto Fairview Avenue
3. Turn left onto N Michillinda Avenue
4. Turn left onto Colorado Blvd/ Historic Rte 66
5. Continue to follow Colorado Boulevard
6. Take a sharp right onto Huntington Drive
7. Turn left into hospital parking lot
8. Hospital is on right

I have reviewed a copy of the Health and Safety Plan for this project and am familiar with the hazards of this project.

Signature	Name	Company	Date
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Name and Signature of Site Safety Officer

TABLE 1
Chemical Characteristics

Chemical	Highest Concentration Detected	Ionization Potential (eV)	OVA[1] Relative Response %
Dioxins	1.58 E-.05 (mg/Kg)	9.25	150
Arsenic	3.09 (mg/Kg)	NA	NA
Lead	27.9 (mg/Kg)	NA	NA
Benzene	1.8 (ug/m^3)	9.25	150
Ethylbenzene	2.6 (ug/m^3)	8.76	100
Toluene	31 (ug/m^3)	8.82	110
Xylene Isomers	5.7 (ug/m^3)	0.56-8.44	111/116
TCE	2.9 (ug/m^3)	9.47	70
Naphthalene	< 0.25 (mg/Kg)	8.14	--
Benzo (a) Pyrene	< 0.25 (mg/Kg)	7.10	--

Chemical Notes		TLV[2] (8 hr TWA) (ppm)	IDLH[3] Level (ppm)	Flammable Range %	ODOR[4] Threshold (ppm)
Dioxins	C, F	0.5	500	1.3-7.1	4.68
Arsenic	C	0.01 (mg/m^3)	5 (mg/m^3)	NA	NA
Lead	C	0.05 (mg/m^3)	100 (mg/m^3)	NA	NA
Benzene	C, F	1.0	2,000	1.3-7.1	4.68
Ethylbenzene	F	100	2,000	1.0-6.7	140
Toluene	F	100	2,000	1.3-6.7	0.17
Xylene Isomers	F	100	10,000	1.0-7.0	0.05
TCE	C	10	1,000	8.0 – 10.5	110
Naphthalene	C	10	250	0.9 – 5.9	0.084
Benzo (a) Pyrene	C	0.2 (mg/m^3)	80 (mg/m^3)	5.5 - 44	NA

[1]Century Organic Vapor Analyzer relative response to the compound in percent. [2]Threshold Limit Value as the airborne time-weighted average (TWA) published by the American Conference of Industrial Hygienists (ACGIH), 1988-1989 .[3.] Immediately Dangerous to Life and Health level as an airborne concentration published by the National Institute of Occupational Safety and Health (NIOSH), Publication Number 85-114, September 1985. [4.] From the CHRIS Manuals, Volumes I-III.C - Carcinogen; F - Flammable.

TABLE 2
Chemical Exposure Limits (ppm)

Contaminant	PEL		STEL	
	NIOSH	OSHA	NIOSH	OSHA
Dioxins	300	--	500	--
Arsenic	--	0.5 (mg/m^3)	--	--
Lead	--	50 (ug/m^3)	--	--
Gasoline	300	--	500	--
Benzene	0.1	10	1.0	5.0
Toluene	100	200	150	150
Ethylbenzene	100	100	125	125
Xylenes	--	100	--	150
TCE	--	100	--	200
Naphthalene	10	10	15	15
Benzo (a) Pyrene	--	0.2 (mg/m^3)	--	--

PEL (Permissible Exposure Limit) - Time-weighted average concentrations, similar to (and usually derived from) the Threshold Limit Values. *STEL (Short Term Exposure Limit)* - Average concentration permissible over a 10-minute period.

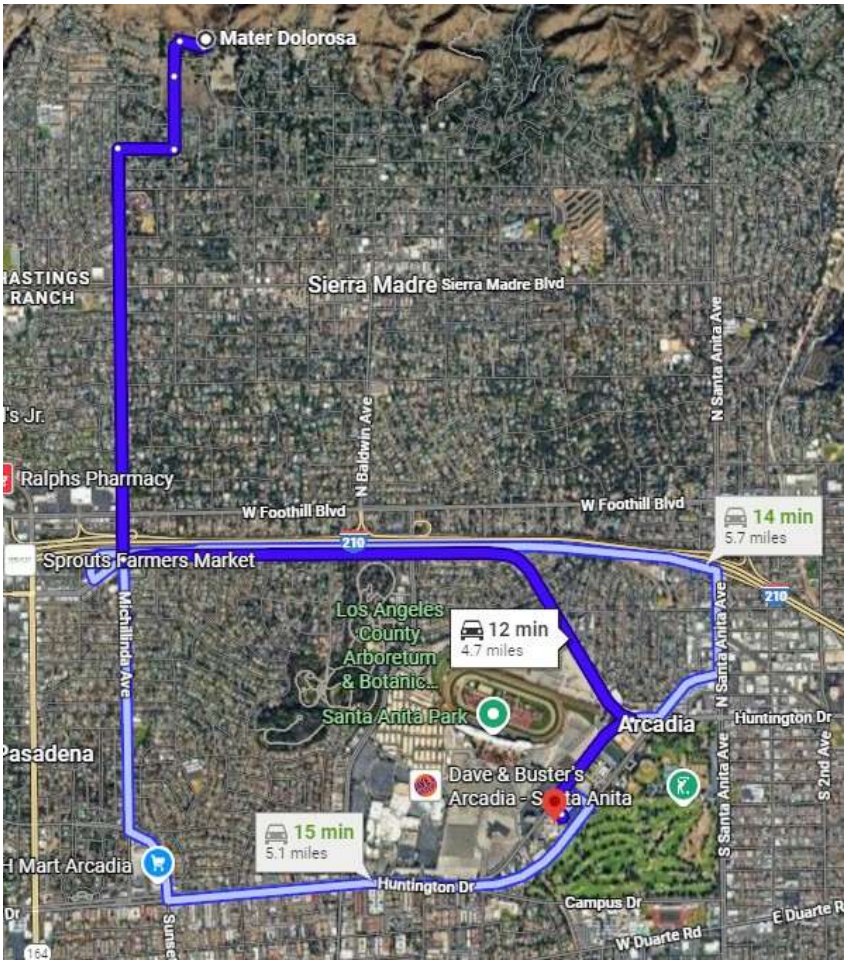

FIGURE 1
Route to Hospital

DIRECTIONS TO THE HOSPITAL

Hospital: USC Arcadia Hospital Emergency Room, 300 Huntington Dr, Arcadia, CA 91007
Phone: (626) 898-8000

1. Head south on North Sunnyside Avenue
2. Turn right onto Fairview Avenue
3. Turn left onto N Michillinda Avenue
4. Turn left onto Colorado Blvd/ Historic Rte 66
5. Continue to follow Colorado Boulevard
6. Take a sharp right onto Huntington Drive
7. Turn left into hospital parking lot
8. Hospital is on right

APPENDIX B
Laboratory Analytical Results

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CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	Ken Zheng, President 01/14/2026 12:25:07
Laboratory Job No. (Certificate of Analysis No.)	2601-00127
Project Name / No.	700 SUNNYSIDE AVE. SIERRA MADRE C3-10722
Dates Sampled (from/to)	01/12/26 To 01/12/26
Dates Received (from/to)	01/12/26 To 01/12/26
Dates Reported (from/to)	01/14/26 To 1/14/2026
Chains of Custody Received	Yes

Comments:

Subcontracting

Inorganic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

None

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CERTIFICATE OF ANALYSIS

2601-00127

HILLMANN CONSULTING
KOFI BONNER
20 CORPORATE PARK
SUITE 330
IRVINE, CA 92606

Project: 700 SUNNYSIDE AVE. SIERRA MADRE

Date Reported	01/14/26
Date Received	01/12/26
Invoice No.	7741
Cust #	H080
Permit Number	
Customer P.O.	C3-10722

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 **S-1**					Date & Time Sampled:		01/12/26 @ 11:05	
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**7.78**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**10.1**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Sample: 002 **S-2**					Date & Time Sampled:		01/12/26 @ 11:05	
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**10.5**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**6.51**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Sample: 003 **S-3**					Date & Time Sampled:		01/12/26 @ 10:50	
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**9.33**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**12.7**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Sample: 004 **S-4**					Date & Time Sampled:		01/12/26 @ 10:50	
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**9.82**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**8.87**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Sample: 005 **S-5**					Date & Time Sampled:		01/12/26 @ 12:22	
Sample Matrix: **Soil**								
[Metals]								

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2601-00127

HILLMANN CONSULTING
KOFI BONNER
20 CORPORATE PARK
SUITE 330
IRVINE, CA 92606

Project: 700 SUNNYSIDE AVE. SIERRA MADRE

Date Reported	01/14/26
Date Received	01/12/26
Invoice No.	7741
Cust #	H080
Permit Number	
Customer P.O.	C3-10722

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 005 **S-5**					Date & Time Sampled:		01/12/26 @ 12:22	
Sample Matrix: **Soil**								
.....continued								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**7.73**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**14.6**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Sample: 006 **S-6**					Date & Time Sampled:		01/12/26 @ 12:12	
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**8.29**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**14.7**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Sample: 007 **S-7**					Date & Time Sampled:		01/12/26 @ 12:40	
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**8.38**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**14.0**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Sample: 008 **S-8**					Date & Time Sampled:		01/12/26 @ 12:15	
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**8.60**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**9.94**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Sample: 009 **S-9**					Date & Time Sampled:		01/12/26 @ 12:28	
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV

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IRVINE, CA 92606

Project: 700 SUNNYSIDE AVE. SIERRA MADRE

Date Reported	01/14/26
Date Received	01/12/26
Invoice No.	7741
Cust #	H080
Permit Number	
Customer P.O.	C3-10722

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 009 **S-9**					Date & Time Sampled:		01/12/26 @	12:28
Sample Matrix: **Soil**								
.....continued								
Arsenic	**1.28**		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**10.1**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**15.8**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Sample: 010 **S-10**					Date & Time Sampled:		01/12/26 @	12:43
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**9.06**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**13.3**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Sample: 011 **S-11**					Date & Time Sampled:		01/12/26 @	12:55
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**8.43**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**21.4**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV

Respectfully Submitted: Ken Zheng

Ken Zheng - Lab Director

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QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
B1 = BOD dilution water is over specifications . The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution.
E = Estimated value; Value exceeds calibration level of instrument.
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference.
J = Analyte concentration detected between RL and MDL.
Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit, Adjusted by DF
MDL = Method Detection Limit, Adjusted by DF
Qual = Qualifier
Tech = Technician

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QUALITY CONTROL DATA REPORT

2601-00127

HILLMANN CONSULTING
KOFI BONNER
20 CORPORATE PARK
SUITE 330
IRVINE, CA 92606

Project: 700 SUNNYSIDE AVE. SIERRA MADRE

Date Reported	**01/14/2026**
Date Received	**01/12/2026**
Date Sampled	**01/12/2026**
Invoice No.	**7741**
Customer #	**H080**
Customer P.O.	**C3-10722**

Method # EPA 6010B
QC Reference # 127221 **Date Analyzed:** 1/13/2026 **Technician:** DV
Samples 001 002 003 004 005 006 007 008 009 010 011

Results

	LCS %REC	LCS %DUP	LCS %RPD	SPIKE %REC	SPIKE %DUP	SPIKE %RPD
Arsenic	115	115	0	96	98	2
Cobalt	110	109	1	72	74	2
Lead	108	108	1	75	77	2

Control Ranges

LCS %REC	LCS %RPD	SPIKE %RPD
70 - 130	0 - 20	0 - 20
70 - 130	0 - 20	0 - 20
70 - 130	0 - 20	0 - 20

No method blank results were above reporting limit

Respectfully Submitted: Ken Zheng

Ken Zheng - President

AR LABORATORIES, Inc.

1650 S. Grove Ave Suite C
Ontario, CA 91761
Voice: 951.779.0310 ● 800.798.9336
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Chain of Custody Record

RUSH

www.arlaboratories.com info@arlaboratories.com

AR Lab Job # 2601-00127

Please Circle Analyses Requested

Project No: C3- 10722	Project Name: 700 Sunnyside Avenue Sierra Madre
Project Manager: Kofi Bonner kbonner@hillmannconsulting.com	Phone: 714-634-9500 Fax:
Client Name: (Report and Billing) Hillmann Consulting LLC	Address: (Report and Billing) 20 Corporate Park, Suite 330 Irvine, CA 92606

Centrum ID (Lab use only)	Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	Metals: Arsenic (Title 22 CAM)	Metals: Cobalt (Title 22 CAM)	Metals: Lead (Title 22 CAM)	GCMS: 8270C 625	Dioxin_TEQ EPA Method 8290	Remarks/Special Instructions
1	S-1	1/12/26	1105	Soil	4-pt Composite	1 x Glass	X	X	X			Please send us the
2	S-2	1/12/26	1105	Soil	4-pt Composite	1 x Glass	X	X	X			lab results as
3	S-3	1/12/26	1050	Soil	4-pt Composite	1 x Glass	X	X	X			they are processed
4	S-4	1/12/26	1050	Soil	4-pt Composite	1 x Glass	X	X	X			
5	S-5	1/12/26	1222	Soil	4-pt Composite	1 x Glass	X	X	X			
6	S-6	1/12/26	1212	Soil	4-pt Composite	1 x Glass	X	X	X			
7	S-7	1/12/26	1240	Soil	4-pt Composite	1 x Glass	X	X	X			
8	S-8	1/12/26	1215	Soil	4-pt Composite	1 x Glass	X	X	X			
9	S-9	1/12/26	1228	Soil	4-pt Composite	1 x Glass	X	X	X			
10	S-10	1/12/26	1243	Soil	4-pt Composite	1 x Glass	X	X	X			
11	S-11	1/12/26	1255	Soil	4-pt Composite	1 x Glass	X	X	X			5.3°C IR3

Turn-Around Time

- ☐ 24 Hr. RUSH*
- ☒ 48 Hr. RUSH*
- ☐ Normal TAT

*Requires PRIOR approval, additional charges apply

Requested due date: send results as they come

1) Relinquished by: (Sampler's Signature)	Date: 1/12/26	Time: 2:08	3) Relinquished by:
2) Received by:	Date: 1/12/26	Time: 2:08	4) Received by:
The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.			5) Relinquished by:
			6) Received for Laboratory by:

To be completed by Laboratory personnel:

Samples chilled? ☐ Yes ☐ No ☐ From Field

Custody seals? ☐ Yes ☐ No

All sample containers intact? ☐ Yes ☐ No

☐ Courier ☐ UPS/Fed Ex ☐ Hand carried

Sample Disposal

- ☐ Client will pick up
- ☐ Return to client
- ☐ Lab disposal

Laboratory Notes:

Sample Locator No.

White Copy - Original (Accompanies Samples) Yellow Copy - Centrum Files Pink Copy - Centrum duplicate Gold Copy - Client Copy

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CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	Ken Zheng, President 01/15/2026 17:40:18
Laboratory Job No. (Certificate of Analysis No.)	2601-00121
Project Name / No.	700 SUNNYSIDE AVE. SIERRA MADRE
Dates Sampled (from/to)	01/12/26 To 01/12/26
Dates Received (from/to)	01/12/26 To 01/12/26
Dates Reported (from/to)	01/15/26 To 1/15/2026
Chains of Custody Received	Yes

Comments:

Subcontracting

Organic Analyses

9 EPA 8280 sample(s) reported by technician CAL were contracted to Ceres Analytical Lab

All results for sub-contracted analyses may be sent separately

Inorganic Analyses

No analyses sub-contracted

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

None

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CERTIFICATE OF ANALYSIS

2601-00121

HILLMANN CONSULTING
KOFI BONNER
20 CORPORATE PARK
SUITE 330
IRVINE, CA 92606

Project: 700 SUNNYSIDE AVE. SIERRA MADRE

Date Reported	01/15/26
Date Received	01/12/26
Invoice No.	7779
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 **FS-1**					Date & Time Sampled:		01/12/26 @	9:23
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**8.27**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**27.9**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
[Semi-Volatile Organics]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		01/12/26	JEN
Benzo(a)pyrene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
Naphthalene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
[Semi-Volatile Surrogates]								
2-Fluorophenol	71		%REC	EPA 8270C		10-160	01/12/26	JEN
Phenol-D5	86		%REC	EPA 8270C		10-160	01/12/26	JEN
Nitrobenzene-D5	105		%REC	EPA 8270C		10-160	01/12/26	JEN
2-Fluorobiphenyl	113		%REC	EPA 8270C		10-160	01/12/26	JEN
2,4,6-Tribromophenol	103		%REC	EPA 8270C		10-160	01/12/26	JEN
p-Terphenyl-D14	130		%REC	EPA 8270C		10-160	01/12/26	JEN
Sample: 002 **FS-2**					Date & Time Sampled:		01/12/26 @	9:31
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**8.61**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**10.1**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
[Semi-Volatile Organics]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		01/12/26	JEN
Benzo(a)pyrene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
Naphthalene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
[Semi-Volatile Surrogates]								
2-Fluorophenol	85		%REC	EPA 8270C		10-160	01/12/26	JEN
Phenol-D5	130		%REC	EPA 8270C		10-160	01/12/26	JEN
Nitrobenzene-D5	92		%REC	EPA 8270C		10-160	01/12/26	JEN

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Project: 700 SUNNYSIDE AVE. SIERRA MADRE

Date Reported	01/15/26
Date Received	01/12/26
Invoice No.	7779
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 002 **FS-2**					Date & Time Sampled:		01/12/26 @	9:31
Sample Matrix: **Soil**								
.....continued								
2-Fluorobiphenyl	96		%REC	EPA 8270C		10-160	01/12/26	JEN
2,4,6-Tribromophenol	125		%REC	EPA 8270C		10-160	01/12/26	JEN
p-Terphenyl-D14	110		%REC	EPA 8270C		10-160	01/12/26	JEN
Sample: 003 **FS-3**					Date & Time Sampled:		01/12/26 @	9:45
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**7.69**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**10.4**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
[Semi-Volatile Organics]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		01/12/26	JEN
Benzo(a)pyrene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
Naphthalene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
[Semi-Volatile Surrogates]								
2-Fluorophenol	85		%REC	EPA 8270C		10-160	01/12/26	JEN
Phenol-D5	85		%REC	EPA 8270C		10-160	01/12/26	JEN
Nitrobenzene-D5	90		%REC	EPA 8270C		10-160	01/12/26	JEN
2-Fluorobiphenyl	96		%REC	EPA 8270C		10-160	01/12/26	JEN
2,4,6-Tribromophenol	130		%REC	EPA 8270C		10-160	01/12/26	JEN
p-Terphenyl-D14	112		%REC	EPA 8270C		10-160	01/12/26	JEN
Sample: 004 **FS-4**					Date & Time Sampled:		01/12/26 @	9:46
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**6.56**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**8.75**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
[Semi-Volatile Organics]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		01/12/26	JEN

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Project: 700 SUNNYSIDE AVE. SIERRA MADRE

Date Reported 01/15/26
Date Received 01/12/26
Invoice No. 7779
Cust # H080
Permit Number
Customer P.O.

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 004 **FS-4**					Date & Time Sampled:		01/12/26 @	9:46
Sample Matrix: **Soil**								
.....continued								
Benzo(a)pyrene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
Naphthalene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
[Semi-Volatile Surrogates]								
2-Fluorophenol	88		%REC	EPA 8270C		10-160	01/12/26	JEN
Phenol-D5	126		%REC	EPA 8270C		10-160	01/12/26	JEN
Nitrobenzene-D5	96		%REC	EPA 8270C		10-160	01/12/26	JEN
2-Fluorobiphenyl	104		%REC	EPA 8270C		10-160	01/12/26	JEN
2,4,6-Tribromophenol	110		%REC	EPA 8270C		10-160	01/12/26	JEN
p-Terphenyl-D14	124		%REC	EPA 8270C		10-160	01/12/26	JEN
Sample: 005 **FS-5**					Date & Time Sampled:		01/12/26 @	10:03
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**9.41**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**14.9**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
[Semi-Volatile Organics]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		01/12/26	JEN
Benzo(a)pyrene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
Naphthalene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
[Semi-Volatile Surrogates]								
2-Fluorophenol	120		%REC	EPA 8270C		10-160	01/12/26	JEN
Phenol-D5	111		%REC	EPA 8270C		10-160	01/12/26	JEN
Nitrobenzene-D5	78		%REC	EPA 8270C		10-160	01/12/26	JEN
2-Fluorobiphenyl	86		%REC	EPA 8270C		10-160	01/12/26	JEN
2,4,6-Tribromophenol	102		%REC	EPA 8270C		10-160	01/12/26	JEN
p-Terphenyl-D14	99		%REC	EPA 8270C		10-160	01/12/26	JEN
Sample: 006 **FS-6**					Date & Time Sampled:		01/12/26 @	10:05
Sample Matrix: **Soil**								

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Project: 700 SUNNYSIDE AVE. SIERRA MADRE

Date Reported	01/15/26
Date Received	01/12/26
Invoice No.	7779
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 006 **FS-6**					Date & Time Sampled:		01/12/26 @	10:05
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**12.3**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**16.5**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
[Semi-Volatile Organics]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		01/12/26	JEN
Benzo(a)pyrene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
Naphthalene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
[Semi-Volatile Surrogates]								
2-Fluorophenol	129		%REC	EPA 8270C		10-160	01/12/26	JEN
Phenol-D5	118		%REC	EPA 8270C		10-160	01/12/26	JEN
Nitrobenzene-D5	95		%REC	EPA 8270C		10-160	01/12/26	JEN
2-Fluorobiphenyl	101		%REC	EPA 8270C		10-160	01/12/26	JEN
2,4,6-Tribromophenol	97		%REC	EPA 8270C		10-160	01/12/26	JEN
p-Terphenyl-D14	114		%REC	EPA 8270C		10-160	01/12/26	JEN
Sample: 007 **FS-7**					Date & Time Sampled:		01/12/26 @	10:20
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**7.95**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**16.7**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
[Semi-Volatile Organics]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		01/12/26	JEN
Benzo(a)pyrene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
Naphthalene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
[Semi-Volatile Surrogates]								
2-Fluorophenol	121		%REC	EPA 8270C		10-160	01/12/26	JEN
Phenol-D5	109		%REC	EPA 8270C		10-160	01/12/26	JEN
Nitrobenzene-D5	76		%REC	EPA 8270C		10-160	01/12/26	JEN

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Date Reported	01/15/26
Date Received	01/12/26
Invoice No.	7779
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 007 **FS-7**					Date & Time Sampled:		01/12/26 @	10:20
Sample Matrix: **Soil**								
.....continued								
2-Fluorobiphenyl	81		%REC	EPA 8270C		10-160	01/12/26	JEN
2,4,6-Tribromophenol	95		%REC	EPA 8270C		10-160	01/12/26	JEN
p-Terphenyl-D14	95		%REC	EPA 8270C		10-160	01/12/26	JEN
Sample: 008 **FS-8**					Date & Time Sampled:		01/12/26 @	10:22
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	**3.09**		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**8.84**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**17.2**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
[Semi-Volatile Organics]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		01/12/26	JEN
Benzo(a)pyrene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
Naphthalene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
[Semi-Volatile Surrogates]								
2-Fluorophenol	116		%REC	EPA 8270C		10-160	01/12/26	JEN
Phenol-D5	106		%REC	EPA 8270C		10-160	01/12/26	JEN
Nitrobenzene-D5	77		%REC	EPA 8270C		10-160	01/12/26	JEN
2-Fluorobiphenyl	83		%REC	EPA 8270C		10-160	01/12/26	JEN
2,4,6-Tribromophenol	90		%REC	EPA 8270C		10-160	01/12/26	JEN
p-Terphenyl-D14	99		%REC	EPA 8270C		10-160	01/12/26	JEN
Sample: 009 **FS-9**					Date & Time Sampled:		01/12/26 @	10:31
Sample Matrix: **Soil**								
[Metals]								
Metals Acid Digestion	Complete			EPA 3050B	1.0		01/13/26	DV
Arsenic	<1.0		mg/Kg	EPA 6010B	1.0	1.0	01/13/26	DV
Cobalt	**6.67**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
Lead	**11.7**		mg/Kg	EPA 6010B	1.0	0.50	01/13/26	DV
[Semi-Volatile Organics]								
Ultrasonic Extraction	Complete			EPA 3550	1.0		01/12/26	JEN

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20 CORPORATE PARK
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IRVINE, CA 92606

Project: 700 SUNNYSIDE AVE. SIERRA MADRE

Date Reported	01/15/26
Date Received	01/12/26
Invoice No.	7779
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 009 **FS-9**					Date & Time Sampled:		01/12/26 @	10:31
Sample Matrix: **Soil**								
.....continued								
Benzo(a)pyrene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
Naphthalene	<0.25		mg/Kg	EPA 8270C	1.0	0.25	01/12/26	JEN
[Semi-Volatile Surrogates]								
2-Fluorophenol	116		%REC	EPA 8270C		10-160	01/12/26	JEN
Phenol-D5	106		%REC	EPA 8270C		10-160	01/12/26	JEN
Nitrobenzene-D5	77		%REC	EPA 8270C		10-160	01/12/26	JEN
2-Fluorobiphenyl	83		%REC	EPA 8270C		10-160	01/12/26	JEN
2,4,6-Tribromophenol	90		%REC	EPA 8270C		10-160	01/12/26	JEN
p-Terphenyl-D14	99		%REC	EPA 8270C		10-160	01/12/26	JEN

Respectfully Submitted: Ken Zheng

Ken Zheng - Lab Director

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
B1 = BOD dilution water is over specifications . The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution.
E = Estimated value; Value exceeds calibration level of instrument.
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference.
J = Analyte concentration detected between RL and MDL.
Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit, Adjusted by DF
MDL = Method Detection Limit, Adjusted by DF
Qual = Qualifier
Tech = Technician

A & R Laboratories, Inc.

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QUALITY CONTROL DATA REPORT

HILLMANN CONSULTING
KOFI BONNER
20 CORPORATE PARK
SUITE 330
IRVINE, CA 92606

2601-00121

Project: 700 SUNNYSIDE AVE. SIERRA MADRE

Date Reported	**01/15/2026**
Date Received	**01/12/2026**
Date Sampled	**01/12/2026**
Invoice No.	**7779**
Customer #	**H080**
Customer P.O.	

Method # EPA 6010B
QC Reference # 127221 **Date Analyzed:** 1/13/2026 **Technician:** DV
Samples 001 002 003 004 005 006 007 008 009

Results

	LCS %REC	LCS %DUP	LCS %RPD	SPIKE %REC	SPIKE %DUP	SPIKE %RPD
Arsenic	115	115	0	96	98	2
Cobalt	110	109	1	72	74	2
Lead	108	108	1	75	77	2

Control Ranges

LCS %REC	LCS %RPD	SPIKE %RPD
70 - 130	0 - 20	0 - 20
70 - 130	0 - 20	0 - 20
70 - 130	0 - 20	0 - 20

Method # EPA 8270C
QC Reference # 127207 **Date Analyzed:** 1/12/2026 **Technician:** JEN
Samples 001 002 003 004 005 006 007 008 009

Results

	BLKSRR%REC
2,4,6-Tribromophenol	85
2-Fluorobiphenyl	75
2-Fluorophenol	85
Nitrobenzene-D5	80
Phenol-D5	78
p-Terphenyl-D14	89

Control Ranges

BLKSRR%REC
10 - 107
10 - 124
5 - 91
10 - 139
10 - 98
10 - 157

No method blank results were above reporting limit

Respectfully Submitted: Ken Zheng

Ken Zheng - President

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

January 15, 2026 Ceres ID: 20421

A & R Laboratories
1650-C S. Grove Ave.
Ontario, CA 91761

The following report contains the results for the nine soil samples received on January 13, 2026. These samples were analyzed for tetra through octa chlorinated dioxins and dibenzofurans by EPA method 8290. Sample results are reported on a dry weight basis. Rush turn-around time was provided for this work.

The "H" qualifier on the samples signifies that the percent recovery for an internal standard is below the method limits. The results were deemed acceptable due to the signal to noise for the internal standard chromatograph peaks being >10:1 and the detection limits calculated off of the internal standard were below the method lower calibration limit.

This work was authorized under A & R Laboratories' Work Order # 2601-00121; Project: 700 Sunnyside Ave., Sierra Madre.

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

The report consists of a Cover Letter, Sample Inventory (Section I), Data Summary (Section II), Sample Tracking (Section VI), and Qualifiers/Abbreviations (Section VII). Raw Data (Section III), Continuing Calibration (Section IV), and Initial Calibration (Section V) are available in a full report (.pdf format) upon request.

If you have any questions regarding this report, please feel free to contact me at (916)932-5011.

Sincerely,

James M. Hedin
Director of Operations/CEO
jhedin@ceres-lab.com

Section I: Sample Inventory

Ceres Sample ID:	Sample ID	Date Received	Collection Date	&Time
20421-001	FS-1	1/13/2026	1/12/2026	9:23
20421-002	FS-2	1/13/2026	1/12/2026	9:31
20421-003	FS-3	1/13/2026	1/12/2026	9:45
20421-004	FS-4	1/13/2026	1/12/2026	9:46
20421-005	FS-5	1/13/2026	1/12/2026	10:03
20421-006	FS-6	1/13/2026	1/12/2026	10:05
20421-007	FS-7	1/13/2026	1/12/2026	10:20
20421-008	FS-8	1/13/2026	1/12/2026	10:22
20421-009	FS-9	1/13/2026	1/12/2026	10:31

Section II: Data Summary

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290A

Quality Assurance Sample **Method Blank**		**Date Received:** NA
	QC Batch #: 3669	**Date Extracted:** 1/14/2026
	Matrix: Soil	**Date Analyzed:** 1/14/2026
Project ID: 2601-00121	**Sample Size:** 10.00 g	

Analyte	Conc. (pg/g)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	ND< 0.0737	0.183	0.500		13C-2378-TCDD	113	40-135	
12378-PeCDD	ND< 0.161	1.75	2.50		13C-12378-PeCDD	61.5	40-135	
123478-HxCDD	ND< 0.107	1.02	2.50		13C-123478-HxCDD	85.3	40-135	
123678-HxCDD	ND< 0.111	0.881	2.50		13C-123678-HxCDD	91.4	40-135	
123789-HxCDD	ND< 0.106	1.10	2.50		13C-1234678-HpCDD	84.2	40-135	
1234678-HpCDD	ND< 0.140	0.736	2.50		13C-OCDD	63.5	40-135	
OCDD	ND< 0.149	3.36	5.00		13C-2378-TCDF	68.0	40-135	
2,3,7,8-TCDF	ND< 0.218	0.272	0.500		13C-12378-PeCDF	61.1	40-135	
12378-PeCDF	ND< 0.111	0.696	2.50		13C-23478-PeCDF	59.8	40-135	
23478-PeCDF	ND< 0.112	0.912	2.50		13C-123478-HxCDF	87.4	40-135	
123478-HxCDF	ND< 0.148	1.35	2.50		13C-123678-HxCDF	86.6	40-135	
123678-HxCDF	ND< 0.165	0.769	2.50		13C-234678-HxCDF	78.7	40-135	
234678-HxCDF	ND< 0.160	0.865	2.50		13C-123789-HxCDF	55.4	40-135	
123789-HxCDF	ND< 0.285	1.12	2.50		13C-1234678-HpCDF	78.0	40-135	
1234678-HpCDF	ND< 0.309	0.794	2.50		13C-1234789-HpCDF	70.1	40-135	
1234789-HpCDF	ND< 0.387	1.22	2.50					
OCDF	ND< 0.241	3.15	5.00					

Totals	Conc. (pg/g)	EMPC
Total TCDD	ND< 0.737	
Total PeCDD	ND< 0.161	
Total HxCDD	ND< 0.111	
Total HpCDD	ND< 0.140	
Total TCDF	ND< 0.218	
Total PeCDF	ND< 0.112	
Total HxCDF	ND< 0.285	
Total HpCDF	ND< 0.387	

CRS

37Cl4-2378-TCDD	92.2	40-135	

DL - Signifies Non-Detect (ND<) sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit
(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.

Total Toxic Equivalency (TEQ min.) (b)**:** 0.0 pg/g

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290A

Quality Assurance Samples
Laboratory Control Samples

Project ID: 2601-00121

QC Batch #: 3669
Matrix: Soil
Sample Size: 10.00 g

Date Received: NA
Date Extracted: 1/14/2026
Date Analyzed: 1/14/2026

Analyte	LCS1 % Rec.	LCS2 % Rec.	%RSD
2,3,7,8-TCDD	90.9	88.6	1.81
12378-PeCDD	86.8	88.6	1.45
123478-HxCDD	84.0	88.9	4.01
123678-HxCDD	84.5	84.9	0.334
123789-HxCDD	82.9	86.0	2.60
1234678-HpCDD	93.1	95.1	1.50
OCDD	89.4	89.6	0.158
2,3,7,8-TCDF	93.5	89.7	2.93
12378-PeCDF	93.9	89.2	3.63
23478-PeCDF	98.0	96.9	0.80
123478-HxCDF	91.6	88.7	2.27
123678-HxCDF	85.0	91.6	5.29
234678-HxCDF	85.7	99.6	10.6
123789-HxCDF	94.7	94.9	0.149
1234678-HpCDF	98.7	112	8.93
1234789-HpCDF	105	101	2.75
OCDF	89.1	90.6	1.18

Labeled Standards	LCS1 % Rec.	LCS2 % Rec	Limits (a)
13C-2378-TCDD	114	98.2	40-135
13C-12378-PeCDD	72.7	72.7	40-135
13C-123478-HxCDD	111	108	40-135
13C-123678-HxCDD	101	105	40-135
13C-1234678-HpCDD	103	89.5	40-135
13C-OCDD	115	94.5	40-135
13C-2378-TCDF	76.1	85.5	40-135
13C-12378-PeCDF	75.1	81.9	40-135
13C-23478-PeCDF	70.1	66.7	40-135
13C-123478-HxCDF	91.5	98.8	40-135
13C-123678-HxCDF	91.6	99.0	40-135
13C-234678-HxCDF	121	86.6	40-135
13C-123789-HxCDF	88.8	86.9	40-135
13C-1234678-HpCDF	96.7	86.4	40-135
13C-1234789-HpCDF	88.1	73.8	40-135
CRS			
37Cl4-2378-TCDD	89.9	93.4	40-135

(a) Limits based on method acceptance criteria.

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290A

Client Sample ID: FS-1		
Project ID: 2601-00121	**Ceres Sample ID:** 20421-001	**Date Received:** 1/13/2026
	QC Batch #: 3669	**Date Extracted:** 1/14/2026
Date Collected: 1/12/2026	**Matrix:** Soil	**Date Analyzed:** 1/14/2026
Time Collected: 9:23	**Sample Size:** 11.74 g **%Solid:** 84.9	

Analyte	Conc. (pg/g)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	ND< 0.470	0.183	0.502		13C-2378-TCDD	100	40-135	
12378-PeCDD	ND< 0.391	1.75	2.51		13C-12378-PeCDD	70.0	40-135	
123478-HxCDD	ND< 0.152	1.02	2.51		13C-123478-HxCDD	97.8	40-135	
123678-HxCDD	0.977	0.881	2.51	J	13C-123678-HxCDD	101	40-135	
123789-HxCDD	0.726	1.10	2.51	J	13C-1234678-HpCDD	79.1	40-135	
1234678-HpCDD	29.9	0.736	2.51		13C-OCDD	50.7	40-135	
OCDD	360	3.36	5.02		13C-2378-TCDF	91.3	40-135	
2,3,7,8-TCDF	0.533	0.272	0.502		13C-12378-PeCDF	75.1	40-135	
12378-PeCDF	ND< 0.297	0.696	2.51		13C-23478-PeCDF	69.2	40-135	
23478-PeCDF	0.952	0.912	2.51	J	13C-123478-HxCDF	90.2	40-135	
123478-HxCDF	ND< 0.114	1.35	2.51		13C-123678-HxCDF	91.1	40-135	
123678-HxCDF	ND< 0.118	0.769	2.51		13C-234678-HxCDF	87.4	40-135	
234678-HxCDF	ND< 0.131	0.865	2.51		13C-123789-HxCDF	73.9	40-135	
123789-HxCDF	ND< 0.139	1.12	2.51		13C-1234678-HpCDF	67.7	40-135	
1234678-HpCDF	8.62	0.794	2.51		13C-1234789-HpCDF	60.0	40-135	
1234789-HpCDF	ND< 0.374	1.22	2.51					
OCDF	14.8	3.15	5.02					

Totals	Conc. (pg/g)	EMPC
Total TCDD	2.06	
Total PeCDD	ND< 0.391	
Total HxCDD	9.65	
Total HpCDD	70.0	
Total TCDF	14.9	
Total PeCDF	18.6	
Total HxCDF	9.19	
Total HpCDF	18.6	

CRS

37Cl4-2378-TCDD	103	40-135	

DL - Signifies Non-Detect (ND<) sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit
(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.

Total Toxic Equivalency (TEQ min.) (b)**:** 1.01 pg/g

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290A

Client Sample ID: FS-2		
Project ID: 2601-00121	**Ceres Sample ID:** 20421-002	**Date Received:** 1/13/2026
	QC Batch #: 3669	**Date Extracted:** 1/14/2026
Date Collected: 1/12/2026	**Matrix:** Soil	**Date Analyzed:** 1/14/2026
Time Collected: 9:31	**Sample Size:** 11.10 g **%Solid:** 89.8	

Analyte	Conc. (pg/g)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	ND< 0.279	0.183	0.502		13C-2378-TCDD	59.1	40-135	
12378-PeCDD	1.77	1.75	2.51	J	13C-12378-PeCDD	40.3	40-135	
123478-HxCDD	2.72	1.02	2.51		13C-123478-HxCDD	101	40-135	
123678-HxCDD	27.4	0.881	2.51		13C-123678-HxCDD	107	40-135	
123789-HxCDD	ND< 0.0943	1.10	2.51		13C-1234678-HpCDD	82.1	40-135	
1234678-HpCDD	604	0.736	2.51		13C-OCDD	69.2	40-135	
OCDD	11300	3.36	5.02	E	13C-2378-TCDF	56.5	40-135	
2,3,7,8-TCDF	ND< 0.314	0.272	0.502		13C-12378-PeCDF	39.8	40-135	H
12378-PeCDF	1.94	0.696	2.51	J	13C-23478-PeCDF	44.2	40-135	
23478-PeCDF	1.16	0.912	2.51	J	13C-123478-HxCDF	94.2	40-135	
123478-HxCDF	2.48	1.35	2.51	J	13C-123678-HxCDF	96.9	40-135	
123678-HxCDF	4.63	0.769	2.51		13C-234678-HxCDF	75.4	40-135	
234678-HxCDF	0.883	0.865	2.51	J	13C-123789-HxCDF	70.7	40-135	
123789-HxCDF	ND< 0.385	1.12	2.51		13C-1234678-HpCDF	44.1	40-135	
1234678-HpCDF	35.1	0.794	2.51		13C-1234789-HpCDF	62.6	40-135	
1234789-HpCDF	ND< 0.688	1.22	2.51					
OCDF	23.7	3.15	5.02					

Totals	Conc. (pg/g)	EMPC
Total TCDD	2.06	
Total PeCDD	ND< 0.391	
Total HxCDD	9.65	
Total HpCDD	70.0	
Total TCDF	14.9	
Total PeCDF	18.6	
Total HxCDF	9.19	
Total HpCDF	18.6	

CRS			
37Cl4-2378-TCDD	65.1	40-135	

DL - Signifies Non-Detect (ND<) sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit
(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.

Total Toxic Equivalency (TEQ min.) (b)**:** 15.8 pg/g

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290A

Client Sample ID: FS-3		
Project ID: 2601-00121	**Ceres Sample ID:** 20421-003	**Date Received:** 1/13/2026
	QC Batch #: 3669	**Date Extracted:** 1/14/2026
Date Collected: 1/12/2026	**Matrix:** Soil	**Date Analyzed:** 1/14/2026
Time Collected: 9:45	**Sample Size:** 11.88 g **%Solid:** 84.3	

Analyte	Conc. (pg/g)	MDL	RL	Qual.
2,3,7,8-TCDD	ND< 0.325	0.183	0.500	
12378-PeCDD	ND< 0.408	1.75	2.50	
123478-HxCDD	ND< 0.280	1.02	2.50	
123678-HxCDD	1.50	0.881	2.50	J
123789-HxCDD	0.849	1.10	2.50	J
1234678-HpCDD	41.7	0.736	2.50	
OCDD	391	3.36	5.00	
2,3,7,8-TCDF	ND< 0.112	0.272	0.500	
12378-PeCDF	ND< 0.401	0.696	2.50	
23478-PeCDF	ND< 0.429	0.912	2.50	
123478-HxCDF	ND< 0.649	1.35	2.50	
123678-HxCDF	ND< 0.713	0.769	2.50	
234678-HxCDF	ND< 0.868	0.865	2.50	
123789-HxCDF	ND< 0.866	1.12	2.50	
1234678-HpCDF	7.47	0.794	2.50	
1234789-HpCDF	ND< 0.279	1.22	2.50	
OCDF	7.82	3.15	5.00	

Labeled Standards	% R	LCL-UCL (a)	Qualifiers
13C-2378-TCDD	103	40-135	
13C-12378-PeCDD	58.3	40-135	
13C-123478-HxCDD	115	40-135	
13C-123678-HxCDD	105	40-135	
13C-1234678-HpCDD	81.3	40-135	
13C-OCDD	45.6	40-135	
13C-2378-TCDF	81.1	40-135	
13C-12378-PeCDF	63.3	40-135	
13C-23478-PeCDF	56.5	40-135	
13C-123478-HxCDF	108	40-135	
13C-123678-HxCDF	108	40-135	
13C-234678-HxCDF	92.9	40-135	
13C-123789-HxCDF	83.1	40-135	
13C-1234678-HpCDF	71.1	40-135	
13C-1234789-HpCDF	66.7	40-135	

Totals	Conc. (pg/g)	EMPC
Total TCDD	1.82	
Total PeCDD	0.898	
Total HxCDD	5.35	
Total HpCDD	88.2	
Total TCDF	5.11	
Total PeCDF	1.80	
Total HxCDF	ND< 0.868	
Total HpCDF	13.5	

CRS

37Cl4-2378-TCDD	83.9	40-135	

DL - Signifies Non-Detect (ND<) sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit
(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.

Total Toxic Equivalency (TEQ min.) (b)**:** 0.846 pg/g

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290A

Client Sample ID: FS-4		
Project ID: 2601-00121	**Ceres Sample ID:** 20421-004	**Date Received:** 1/13/2026
	QC Batch #: 3669	**Date Extracted:** 1/14/2026
Date Collected: 1/12/2026	**Matrix:** Soil	**Date Analyzed:** 1/14/2026
Time Collected: 9:46	**Sample Size:** 11.61 g **%Solid:** 86.0	

Analyte	Conc. (pg/g)	MDL	RL	Qual.
2,3,7,8-TCDD	ND< 0.314	0.183	0.501	
12378-PeCDD	ND< 0.430	1.75	2.51	
123478-HxCDD	ND< 0.180	1.02	2.51	
123678-HxCDD	ND< 0.181	0.881	2.51	
123789-HxCDD	ND< 0.178	1.10	2.51	
1234678-HpCDD	22.7	0.736	2.51	
OCDD	247	3.36	5.01	
2,3,7,8-TCDF	ND< 0.0782	0.272	0.501	
12378-PeCDF	ND< 0.225	0.696	2.51	
23478-PeCDF	ND< 0.135	0.912	2.51	
123478-HxCDF	ND< 0.334	1.35	2.51	
123678-HxCDF	ND< 0.359	0.769	2.51	
234678-HxCDF	ND< 0.399	0.865	2.51	
123789-HxCDF	ND< 0.329	1.12	2.51	
1234678-HpCDF	5.28	0.794	2.51	
1234789-HpCDF	ND< 0.230	1.22	2.51	
OCDF	7.99	3.15	5.01	

Labeled Standards	% R	LCL-UCL (a)	Qualifiers
13C-2378-TCDD	89.0	40-135	
13C-12378-PeCDD	60.8	40-135	
13C-123478-HxCDD	94.1	40-135	
13C-123678-HxCDD	98.6	40-135	
13C-1234678-HpCDD	73.6	40-135	
13C-OCDD	51.5	40-135	
13C-2378-TCDF	45.7	40-135	
13C-12378-PeCDF	55.4	40-135	
13C-23478-PeCDF	58.6	40-135	
13C-123478-HxCDF	89.8	40-135	
13C-123678-HxCDF	88.7	40-135	
13C-234678-HxCDF	82.6	40-135	
13C-123789-HxCDF	80.2	40-135	
13C-1234678-HpCDF	65.6	40-135	
13C-1234789-HpCDF	66.9	40-135	

Totals	Conc. (pg/g)	EMPC
Total TCDD	0.699	
Total PeCDD	ND< 0.430	
Total HxCDD	6.29	
Total HpCDD	56.6	
Total TCDF	8.02	
Total PeCDF	1.71	
Total HxCDF	ND< 0.399	
Total HpCDF	11.1	

CRS

37Cl4-2378-TCDD	76.6	40-135	

DL - Signifies Non-Detect (ND<) sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit
(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.

Total Toxic Equivalency (TEQ min.) (b)**:** 0.356 pg/g

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290A

Client Sample ID: FS-5		
Project ID: 2601-00121	**Ceres Sample ID:** 20421-005	**Date Received:** 1/13/2026
	QC Batch #: 3669	**Date Extracted:** 1/14/2026
Date Collected: 1/12/2026	**Matrix:** Soil	**Date Analyzed:** 1/14/2026
Time Collected: 9:23	**Sample Size:** 11.43 g **%Solid:** 87.7	

Analyte	Conc. (pg/g)	MDL	RL	Qual.
2,3,7,8-TCDD	ND< 0.332	0.183	0.499	
12378-PeCDD	ND< 0.230	1.75	2.50	
123478-HxCDD	ND< 0.692	1.02	2.50	
123678-HxCDD	ND< 0.687	0.881	2.50	
123789-HxCDD	ND< 0.682	1.10	2.50	
1234678-HpCDD	10.2	0.736	2.50	
OCDD	83.2	3.36	4.99	
2,3,7,8-TCDF	ND< 0.321	0.272	0.499	
12378-PeCDF	ND< 0.241	0.696	2.50	
23478-PeCDF	ND< 0.235	0.912	2.50	
123478-HxCDF	ND< 0.154	1.35	2.50	
123678-HxCDF	ND< 0.167	0.769	2.50	
234678-HxCDF	ND< 0.178	0.865	2.50	
123789-HxCDF	ND< 0.167	1.12	2.50	
1234678-HpCDF	4.05	0.794	2.50	
1234789-HpCDF	ND< 0.239	1.22	2.50	
OCDF	4.64	3.15	4.99	

Labeled Standards	% R	LCL-UCL (a)	Qualifiers
13C-2378-TCDD	99.2	40-135	
13C-12378-PeCDD	69.1	40-135	
13C-123478-HxCDD	90.1	40-135	
13C-123678-HxCDD	93.0	40-135	
13C-1234678-HpCDD	72.7	40-135	
13C-OCDD	48.7	40-135	
13C-2378-TCDF	70.4	40-135	
13C-12378-PeCDF	69.4	40-135	
13C-23478-PeCDF	63.8	40-135	
13C-123478-HxCDF	77.6	40-135	
13C-123678-HxCDF	80.0	40-135	
13C-234678-HxCDF	84.1	40-135	
13C-123789-HxCDF	77.8	40-135	
13C-1234678-HpCDF	63.6	40-135	
13C-1234789-HpCDF	59.7	40-135	

Totals	Conc. (pg/g)	EMPC
Total TCDD	4.89	
Total PeCDD	ND< 0.230	
Total HxCDD	ND< 0.687	
Total HpCDD	24.1	
Total TCDF	145	
Total PeCDF	2.66	
Total HxCDF	5.90	
Total HpCDF	7.94	

CRS

37Cl4-2378-TCDD	97	40-135	

DL - Signifies Non-Detect (ND<) sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit
(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.

Total Toxic Equivalency (TEQ min.) (b)**:** 0.169 pg/g

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290A

Client Sample ID: FS-6		
Project ID: 2601-00121	**Ceres Sample ID:** 20421-006	**Date Received:** 1/13/2026
	QC Batch #: 3669	**Date Extracted:** 1/14/2026
Date Collected: 1/12/2026	**Matrix:** Soil	**Date Analyzed:** 1/14/2026
Time Collected: 10:05	**Sample Size:** 11.09 g **%Solid:** 90.7	

Analyte	Conc. (pg/g)	MDL	RL	Qual.
2,3,7,8-TCDD	ND< 0.0816	0.183	0.497	
12378-PeCDD	ND< 0.264	1.75	2.49	
123478-HxCDD	ND< 0.113	1.02	2.49	
123678-HxCDD	ND< 0.113	0.881	2.49	
123789-HxCDD	ND< 0.0736	1.10	2.49	
1234678-HpCDD	7.46	0.736	2.49	
OCDD	87.8	3.36	4.97	
2,3,7,8-TCDF	ND< 0.0327	0.272	0.497	
12378-PeCDF	ND< 0.170	0.696	2.49	
23478-PeCDF	ND< 0.241	0.912	2.49	
123478-HxCDF	ND< 0.341	1.35	2.49	
123678-HxCDF	ND< 0.372	0.769	2.49	
234678-HxCDF	ND< 0.382	0.865	2.49	
123789-HxCDF	ND< 0.432	1.12	2.49	
1234678-HpCDF	2.93	0.794	2.49	
1234789-HpCDF	ND< 0.217	1.22	2.49	
OCDF	4.38	3.15	4.97	

Labeled Standards	% R	LCL-UCL (a)	Qualifiers
13C-2378-TCDD	120	40-135	
13C-12378-PeCDD	69.9	40-135	
13C-123478-HxCDD	89.6	40-135	
13C-123678-HxCDD	97.1	40-135	
13C-1234678-HpCDD	50.3	40-135	
13C-OCDD	47.5	40-135	
13C-2378-TCDF	86.3	40-135	
13C-12378-PeCDF	97.0	40-135	
13C-23478-PeCDF	68.1	40-135	
13C-123478-HxCDF	87.6	40-135	
13C-123678-HxCDF	87.4	40-135	
13C-234678-HxCDF	80.1	40-135	
13C-123789-HxCDF	69.1	40-135	
13C-1234678-HpCDF	66.5	40-135	
13C-1234789-HpCDF	63.6	40-135	

Totals	Conc. (pg/g)	EMPC
Total TCDD	ND< 0.0816	
Total PeCDD	ND< 0.264	
Total HxCDD	1.13	
Total HpCDD	25.7	
Total TCDF	43.1	
Total PeCDF	2.27	
Total HxCDF	5.42	
Total HpCDF	6.20	

CRS			
37Cl4-2378-TCDD	122	40-135	

DL - Signifies Non-Detect (ND<) sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit
(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.

Total Toxic Equivalency (TEQ min.) (b)**:** 0.132 pg/g

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290A

Client Sample ID: FS-7		
Project ID: 2601-00121	**Ceres Sample ID:** 20421-007	**Date Received:** 1/13/2026
	QC Batch #: 3669	**Date Extracted:** 1/14/2026
Date Collected: 1/12/2026	**Matrix:** Soil	**Date Analyzed:** 1/14/2026
Time Collected: 10:20	**Sample Size:** 11.42 g **%Solid:** 88.4	

Analyte	Conc. (pg/g)	MDL	RL	Qual.
2,3,7,8-TCDD	ND< 0.312	0.183	0.502	
12378-PeCDD	ND< 0.197	1.75	2.51	
123478-HxCDD	ND< 0.678	1.02	2.51	
123678-HxCDD	ND< 0.711	0.881	2.51	
123789-HxCDD	ND< 0.699	1.10	2.51	
1234678-HpCDD	13.0	0.736	2.51	
OCDD	106	3.36	5.02	
2,3,7,8-TCDF	ND< 0.204	0.272	0.502	
12378-PeCDF	ND< 0.212	0.696	2.51	
23478-PeCDF	ND< 0.202	0.912	2.51	
123478-HxCDF	ND< 0.236	1.35	2.51	
123678-HxCDF	ND< 0.257	0.769	2.51	
234678-HxCDF	ND< 0.288	0.865	2.51	
123789-HxCDF	ND< 0.274	1.12	2.51	
1234678-HpCDF	4.64	0.794	2.51	
1234789-HpCDF	ND< 0.112	1.22	2.51	
OCDF	7.48	3.15	5.02	

Labeled Standards	% R	LCL-UCL (a)	Qualifiers
13C-2378-TCDD	92.5	40-135	
13C-12378-PeCDD	57.5	40-135	
13C-123478-HxCDD	99.6	40-135	
13C-123678-HxCDD	100	40-135	
13C-1234678-HpCDD	77.5	40-135	
13C-OCDD	63.5	40-135	
13C-2378-TCDF	72.3	40-135	
13C-12378-PeCDF	52.8	40-135	
13C-23478-PeCDF	53.4	40-135	
13C-123478-HxCDF	90.3	40-135	
13C-123678-HxCDF	91.3	40-135	
13C-234678-HxCDF	83.5	40-135	
13C-123789-HxCDF	82.1	40-135	
13C-1234678-HpCDF	79.2	40-135	
13C-1234789-HpCDF	66.8	40-135	

Totals	Conc. (pg/g)	EMPC
Total TCDD	ND< 0.31	
Total PeCDD	ND< 0.197	
Total HxCDD	ND< 0.71	
Total HpCDD	44.0	
Total TCDF	12.2	
Total PeCDF	12.7	
Total HxCDF	6.63	
Total HpCDF	10.4	

CRS

37Cl4-2378-TCDD	90.0	40-135

DL - Signifies Non-Detect (ND<) sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit
(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.

Total Toxic Equivalency (TEQ min.) (b)**:** 0.210 pg/g

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290A

Client Sample ID: FS-8		
Project ID: 2601-00121	**Ceres Sample ID:** 20421-008	**Date Received:** 1/13/2026
	QC Batch #: 3669	**Date Extracted:** 1/14/2026
Date Collected: 1/12/2026	**Matrix:** Soil	**Date Analyzed:** 1/14/2026
Time Collected: 10:22	**Sample Size:** 11.61 g **%Solid:** 86.3	

Analyte	Conc. (pg/g)	MDL	RL	Qual.
2,3,7,8-TCDD	ND< 0.256	0.183	0.499	
12378-PeCDD	ND< 0.394	1.75	2.50	
123478-HxCDD	ND< 0.176	1.02	2.50	
123678-HxCDD	ND< 0.173	0.881	2.50	
123789-HxCDD	ND< 0.174	1.10	2.50	
1234678-HpCDD	14.2	0.736	2.50	
OCDD	105	3.36	4.99	
2,3,7,8-TCDF	ND< 0.143	0.272	0.499	
12378-PeCDF	ND< 0.294	0.696	2.50	
23478-PeCDF	3.39	0.912	2.50	
123478-HxCDF	ND< 0.247	1.35	2.50	
123678-HxCDF	ND< 0.260	0.769	2.50	
234678-HxCDF	ND< 0.285	0.865	2.50	
123789-HxCDF	ND< 0.266	1.12	2.50	
1234678-HpCDF	5.42	0.794	2.50	
1234789-HpCDF	ND< 0.647	1.22	2.50	
OCDF	8.30	3.15	4.99	

Labeled Standards	% R	LCL-UCL (a)	Qualifiers
13C-2378-TCDD	81.4	40-135	
13C-12378-PeCDD	57.8	40-135	
13C-123478-HxCDD	92.3	40-135	
13C-123678-HxCDD	98.4	40-135	
13C-1234678-HpCDD	89.9	40-135	
13C-OCDD	60.2	40-135	
13C-2378-TCDF	69.4	40-135	
13C-12378-PeCDF	69.7	40-135	
13C-23478-PeCDF	56.3	40-135	
13C-123478-HxCDF	81.2	40-135	
13C-123678-HxCDF	81.8	40-135	
13C-234678-HxCDF	82.2	40-135	
13C-123789-HxCDF	80.5	40-135	
13C-1234678-HpCDF	69.2	40-135	
13C-1234789-HpCDF	75.6	40-135	

Totals	Conc. (pg/g)	EMPC
Total TCDD	ND< 0.256	
Total PeCDD	ND< 0.394	
Total HxCDD	4.58	
Total HpCDD	59.2	
Total TCDF	26.4	
Total PeCDF	32.6	
Total HxCDF	11.4	
Total HpCDF	13.1	

CRS

37Cl4-2378-TCDD	82.0	40-135	

DL - Signifies Non-Detect (ND<) sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit
(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.

Total Toxic Equivalency (TEQ min.) (b)**:** 1.25 pg/g

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290A

Client Sample ID: FS-9		
Project ID: 2601-00121	**Ceres Sample ID:** 20421-009	**Date Received:** 1/13/2026
	QC Batch #: 3669	**Date Extracted:** 1/14/2026
Date Collected: 1/12/2026	**Matrix:** Soil	**Date Analyzed:** 1/14/2026
Time Collected: 10:31	**Sample Size:** 10.83 g **%Solid:** 92.0	

Analyte	Conc. (pg/g)	MDL	RL	Qual.	Labeled Standards	% R	LCL-UCL (a)	Qualifiers
2,3,7,8-TCDD	ND< 0.131	0.183	0.502		13C-2378-TCDD	70.1	40-135	
12378-PeCDD	ND< 0.163	1.75	2.51		13C-12378-PeCDD	75.9	40-135	
123478-HxCDD	ND< 0.144	1.02	2.51		13C-123478-HxCDD	87.8	40-135	
123678-HxCDD	ND< 0.136	0.881	2.51		13C-123678-HxCDD	89.4	40-135	
123789-HxCDD	ND< 0.142	1.10	2.51		13C-1234678-HpCDD	77.7	40-135	
1234678-HpCDD	6.86	0.736	2.51		13C-OCDD	55.6	40-135	
OCDD	63.4	3.36	5.02		13C-2378-TCDF	71.1	40-135	
2,3,7,8-TCDF	ND< 0.158	0.272	0.502		13C-12378-PeCDF	79.3	40-135	
12378-PeCDF	ND< 0.216	0.696	2.51		13C-23478-PeCDF	74.0	40-135	
23478-PeCDF	1.04	0.912	2.51	J	13C-123478-HxCDF	74.1	40-135	
123478-HxCDF	ND< 0.249	1.35	2.51		13C-123678-HxCDF	83.3	40-135	
123678-HxCDF	ND< 0.227	0.769	2.51		13C-234678-HxCDF	73.7	40-135	
234678-HxCDF	ND< 0.271	0.865	2.51		13C-123789-HxCDF	53.7	40-135	
123789-HxCDF	ND< 0.232	1.12	2.51		13C-1234678-HpCDF	64.5	40-135	
1234678-HpCDF	2.11	0.794	2.51	J	13C-1234789-HpCDF	61.8	40-135	
1234789-HpCDF	ND< 0.231	1.22	2.51					
OCDF	0.282	3.15	5.02	J				

Totals	Conc. (pg/g)	EMPC
Total TCDD	ND< 0.131	
Total PeCDD	ND< 0.163	
Total HxCDD	ND< 0.144	
Total HpCDD	18.1	
Total TCDF	6.15	
Total PeCDF	11.1	
Total HxCDF	5.36	
Total HpCDF	4.63	

CRS

37Cl4-2378-TCDD	55.8	40-135	

DL - Signifies Non-Detect (ND<) sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit
(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.

Total Toxic Equivalency (TEQ min.) (b)**:** 0.422 pg/g

Analyst: JMH **Reviewed by: BS**

Section VI: Sample Tracking

= CERES =

A & R Laboratories
1650-C S. Grove Avenue
Ontario, CA 91761
V: 951.779.0310 ● 800.798.9336 F: 951.779.0344
office@arlaboratories.com

Chain of Custody Record

RUSH

A & R Work Order #: **2601-00121**

Project No:	Project Name:	
C3-10722	700 Sunnyside Ave., Sierra Madre	
Project Manager:	**Phone:**	**Fax:**
Jennifer Iñiguez	909-781-6335	
Customer Name: (Report and Billing)	**Street Address:** (Report and Billing)	
A & R Laboratories	1650 S. Grove Ave., Ste. C	
Email:	**City, State Zip**	
jennifer.iniguez@arlaboratories.com	Ontario, CA 91761	

Analyses Requested (circle appropriate)

Lab # (Lab use only)	Sample ID (As it should appear on report)	Grab/ Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	Preserved	Micro: Plate Cnt., Coliform, E-Coli	Chem: BOD, TSS, TDS, pH, EC	Chem: Cyanide, Ammonia, Oil & Grease	IC: Br, SO4, PO4, NO3, NO2, Cl	Metals: Title 22 (CAM17 Metals) or RCRA	LUFT Gas or 8015 GRO or C4-C12	LUFT Diesel or 8015 DRO or C13-C40	VOCs by GCMS: 8260 or 624	VOCs by GCMS: BTEX, OXYs	SVOCs: 8270 or 625	Pest. &/or PCBs: 608 or 8081/8082	Dioxin_TEQ by EPA 8290			
	FS-1		1/12/2026	9:23	Soil	1-G													X			
	FS-2		1/12/2026	9:31	Soil	1-G													X			
	FS-3		1/12/2026	9:45	Soil	1-G													X			
	FS-4		1/12/2026	9:46	Soil	1-G													X			
	FS-5		1/12/2026	10:03	Soil	1-G													X			
	FS-6		1/12/2026	10:05	Soil	1-G													X			
	FS-7		1/12/2026	10:20	Soil	1-G													X			
	FS-8		1/12/2026	10:22	Soil	1-G													X			
	FS-9		1/12/2026	10:31	Soil	1-G													X			

Turn Around
- ○ 24hr RUSH*
- ◉ 48hr RUSH*
- ○ Normal
- ◉ Other ____

*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.

Special Instructions

1) Relinquished by: (Sampler's Signature)	Date:	Time:	3) Relinquished by:	Date:	Time:	5) Relinquished by:	Date:	Time:
	1/12/26	16:50						
2) Received by:	**Date:**	**Time:**	**4) Received by:**	**Date:**	**Time:**	**6) Received for Laboratory by:**	**Date:**	**Time:**
GLS	1/12/26	16:50		1/13/26	11:46			

Disposal
- ○ Return
- ◉ Lab Disposal

Unless other arrangements are made samples will be disposed of 60 days after reciept.

This section is to be completed by laboratory personnel:

Samples Chilled
- ◉ Yes ○ No
- ○ From Field

Custody Seals
- ○ Yes ◉ No

Samples Intact
- ◉ Yes ○ No

Temp C

Delivery
- ◉ Courier ○ Walk In
- ○ UPS/Fed Ex

Report Delivery Formats
- ☐ Paper ☑ EMAIL ☐ XLS
- ☐ EDD, Type _____
- ☐ EDF, EPA Site ID _____

Laboratory Notes: Please *cc: jenny.jiang@arlaboratories.com*

Sample Receipt Check List Logged by: HH (initials)

Ceres ID: 20421	Date/Time: 1/13/26 11:46
Client Project ID: 2601-00121	Received Temp: 2.8 °C Acceptable: (Y) / N
Chain of Custody Relinquished by signed?	(Y) / N
Chain of Custody Received by signed?	(Y) / N
Custody Seals? Present?	Y / N
Intact?	Y / N
NA:	(NA)
Unlabeled / Illegible Samples	Y / (N)
Proper Containers:	(Y) / N
Preservation Acceptable (Chemical or Temperature)?	(Y) / N
Drinking Water, Sodium Thiosulfate present?	Y / N / (NA)
Residual Cl?	Y / N / (NA)
Aqueous sample pH: _____	(NA)
List COC discrepancies: HH 1/13/26	
List Damaged Samples: HH 1/13/26	

Section VII: Qualifiers/Abbreviations

J	Concentration found below the lower quantitation limit but greater than zero.
B	Analyte present in the associated Method Blank.
E	Concentration found exceeds the Calibration range of the HRGC/HRMS.
D	This analyte concentration was calculated from a dilution.
X	The concentration found is the estimated maximum possible concentration due to chlorinated diphenyl ethers present in the sample.
H	Recovery limits exceeded. See cover letter.
*****	Results taken from dilution.
I	Interference. See cover letter.
Conc.	Concentration Found
DL	Calculated Detection Limit
ND	Non-Detect
% Rec.	Percent Recovery

AR LABORATORIES, Inc.

1650 S. Grove Ave Suite C
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Fax: 951.779.0344

Chain of Custody Record

RUSH

www.arlaboratories.com info@arlaboratories.com

AR Lab Job # 2601-00121

Page 1 of 1

Project No:	Project Name:
C3- 10722	700 Sunnyside Avenue Sierra Madre
Project Manager:	**Phone:** / **Fax:**
Kofi Bonner kbonner@hillmannconsulting.com	714-634-9500
Client Name: (Report and Billing)	**Address:** (Report and Billing)
Hillmann Consulting LLC	20 Corporate Park, Suite 330 Irvine, CA 92606

Please Circle Analyses Requested

Centrum ID (Lab use only)	Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	Metals: Arsenic (Title 22 CAM)	Metals: Cobalt (Title 22 CAM)	Metals: Lead (Title 22 CAM)	GCMS: 8270C, 625 *	Dioxin_TEQ EPA Method 8290	Remarks/Special Instructions
1	FS-1	11/12/26	9:23	Soil	5-pt Composite	1 x Glass	X	X	X	X	X	*8270 - BENZO(A)
2	FS-2		9:31	Soil	5-pt Composite	1 x Glass	X	X	X	X	X	PYRENE & NAPHTHALENE
3	FS-3		9:45	Soil	5-pt Composite	1 x Glass	X	X	X	X	X	ONLY.
4	FS-4		9:46	Soil	5-pt Composite	1 x Glass	X	X	X	X	X	
5	FS-5		10:03	Soil	5-pt Composite	1 x Glass	X	X	X	X	X	
6	FS-6		10:05	Soil	5-pt Composite	1 x Glass	X	X	X	X	X	
7	FS-7		10:20	Soil	5-pt Composite	1 x Glass	X	X	X	X	X	
8	FS-8		10:22	Soil	5-pt Composite	1 x Glass	X	X	X	X	X	
9	FS-9	*	10:31	Soil	5-pt Composite	1 x Glass	X	X	X	X	X	
												5.6°C / T33

Turn-Around Time

- ☐ 24 Hr. RUSH*
- ☒ 48 Hr. RUSH*
- ☐ Normal TAT

*Requires PRIOR approval, additional charges apply

Requested due date: _____

	Date:	Time:		Date:	Time:
1) Relinquished by: (Sampler's Signature) NB	11/12/26	11:43	3) Relinquished by:		
2) Received by:	11/12/26	11:43	4) Received by:		
The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.			5) Relinquished by:		
			6) Received ~~for Laboratory~~ by:		

To be completed by Laboratory personnel:

Samples chilled? ☒ Yes ☐ No ☒ From Field

Custody seals? ☐ Yes ☒ No

All sample containers intact? ☒ Yes ☐ No

☐ Courier ☐ UPS/Fed Ex ☒ Hand carried

Sample Disposal

- ☐ Client will pick up
- ☐ Return to client
- ☒ Lab disposal

Laboratory Notes:

Sample Locator No.

White Copy - Original (Accompanies Samples) Yellow Copy - Centrum Files Pink Copy - Centrum duplicate Gold Copy - Client Copy

v6.0 1/11 coc-temp-both.xls

A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C
ONTARIO, CA 91761
909-781-6335
www.arlaboratories.com office@arlaboratories.com

CHEMISTRY · MICROBIOLOGY · FOOD SAFETY · MOBILE LABORATORIES
FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

CASE NARRATIVE

Authorized Signature Name / Title (print)	Ken Zheng, President
Signature / Date	Ken Zheng, President 01/26/2026 13:07:35
Laboratory Job No. (Certificate of Analysis No.)	2601-00207
Project Name / No.	700 SUNNYSIDE AVE., SIERRA MADRE
Dates Sampled (from/to)	01/20/26 To 01/20/26
Dates Received (from/to)	01/20/26 To 01/20/26
Dates Reported (from/to)	01/26/26 To 1/26/2026
Chains of Custody Received	Yes

Comments:

Subcontracting

Organic Analyses

2 EPA 8280 sample(s) reported by technician CAL were contracted to Ceres Analytical Lab

All results for sub-contracted analyses may be sent separately

Sample Condition(s)

All samples intact

Positive Results (Organic Compounds)

None

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CERTIFICATE OF ANALYSIS

2601-00207

HILLMANN CONSULTING
KOFI BONNER
20 CORPORATE PARK
SUITE 330
IRVINE, CA 92606

Project: 700 SUNNYSIDE AVE., SIERRA MADRE

Date Reported	01/26/26
Date Received	01/20/26
Invoice No.	7896
Cust #	H080
Permit Number	
Customer P.O.	

Analysis	Result	Qual	Units	Method	DF	RL	Date	Tech
Sample: 001 **S-1R**					Date & Time Sampled:		01/20/26 @	9:38
Sample Matrix: **Soil**								
No Test Results Reported	Complete			---	1.0			
Sample: 002 **S-2R**					Date & Time Sampled:		01/20/26 @	9:53
Sample Matrix: **Soil**								

Respectfully Submitted: Ken Zheng

Ken Zheng - Lab Director

QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.
B1 = BOD dilution water is over specifications . The reported result may be biased high.
D = Surrogate recoveries are not calculated due to sample dilution.
E = Estimated value; Value exceeds calibration level of instrument.
H = Analyte was prepared and/or analyzed outside of the analytical method holding time
I = Matrix Interference.
J = Analyte concentration detected between RL and MDL.
Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.
S = Customer provided specification limit exceeded.

ABBREVIATIONS

DF = Dilution Factor
RL = Reporting Limit, Adjusted by DF
MDL = Method Detection Limit, Adjusted by DF
Qual = Qualifier
Tech = Technician

CERES Analytical Laboratory, Inc.
4919 Windplay Dr. Suite 1, El Dorado Hills, CA 95762

January 25, 2026 Ceres ID: 20467

A & R Laboratories
1650-C S. Grove Ave.
Ontario, CA 91761

The following report contains the results for the two soil samples received on January 21, 2026. These samples were analyzed for tetra through octa chlorinated dioxins and dibenzofurans by EPA method 8290. Rush turn-around time was provided for this work.

Sample results are reported on a dry weight basis.

This work was authorized under A & R Laboratories' Work Order # 2601-00207; Project: C3-10722.

Continuing Calibration Verification (CCV) Requirements
All associated calibration verification standard(s) (CCV) met the acceptance criteria.

The report consists of a Cover Letter, Sample Inventory (Section I), Data Summary (Section II), Sample Tracking (Section VI), and Qualifiers/Abbreviations (Section VII). Raw Data (Section III), Continuing Calibration (Section IV), and Initial Calibration (Section V) are available in a full report (.pdf format) upon request.

If you have any questions regarding this report, please feel free to contact me at (916)932-5011.

Sincerely,

James M. Hedin
Director of Operations/CEO
jhedin@ceres-lab.com

Section I: Sample Inventory

Ceres Sample ID:	Sample ID	Date Received	Collection Date	&Time
20467-001	S-1R	1/21/2026	1/20/2026	9:38
20467-002	S-2R	1/21/2026	1/20/2026	9:53

Section II: Data Summary

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290A

Quality Assurance Sample **Method Blank**		**Date Received:** NA
	QC Batch #: 3677	**Date Extracted:** 1/22/2026
	Matrix: Soil	**Date Analyzed:** 1/24/2026
Project ID: C3-10722	**Sample Size:** 10.00 g	

Analyte	Conc. (pg/g)	MDL	RL	Qual.
2,3,7,8-TCDD	ND< 0.187	0.183	0.500	
12378-PeCDD	ND< 0.135	1.75	2.50	
123478-HxCDD	ND< 0.292	1.02	2.50	
123678-HxCDD	ND< 0.286	0.881	2.50	
123789-HxCDD	ND< 0.288	1.10	2.50	
1234678-HpCDD	ND< 0.160	0.736	2.50	
OCDD	ND< 0.132	3.36	5.00	
2,3,7,8-TCDF	ND< 0.146	0.272	0.500	
12378-PeCDF	ND< 0.134	0.696	2.50	
23478-PeCDF	ND< 0.127	0.912	2.50	
123478-HxCDF	ND< 0.291	1.35	2.50	
123678-HxCDF	ND< 0.292	0.769	2.50	
234678-HxCDF	ND< 0.321	0.865	2.50	
123789-HxCDF	ND< 0.351	1.12	2.50	
1234678-HpCDF	ND< 0.117	0.794	2.50	
1234789-HpCDF	ND< 0.156	1.22	2.50	
OCDF	ND< 0.186	3.15	5.00	

Totals	Conc. (pg/g)	EMPC
Total TCDD	ND< 0.187	
Total PeCDD	ND< 0.135	
Total HxCDD	ND< 0.292	
Total HpCDD	ND< 0.160	
Total TCDF	ND< 0.146	
Total PeCDF	ND< 0.134	
Total HxCDF	ND< 0.351	
Total HpCDF	ND< 0.156	

Labeled Standards	% R	LCL-UCL (a)	Qualifiers
13C-2378-TCDD	85.8	40-135	
13C-12378-PeCDD	59.5	40-135	
13C-123478-HxCDD	79.4	40-135	
13C-123678-HxCDD	92.6	40-135	
13C-1234678-HpCDD	81.7	40-135	
13C-OCDD	73.2	40-135	
13C-2378-TCDF	72.1	40-135	
13C-12378-PeCDF	66.5	40-135	
13C-23478-PeCDF	65.0	40-135	
13C-123478-HxCDF	80.4	40-135	
13C-123678-HxCDF	89.7	40-135	
13C-234678-HxCDF	79.5	40-135	
13C-123789-HxCDF	72.9	40-135	
13C-1234678-HpCDF	74.0	40-135	
13C-1234789-HpCDF	61.8	40-135	

CRS

37Cl4-2378-TCDD	76.9	40-135	

DL - Signifies Non-Detect (ND<) sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit
(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.

Total Toxic Equivalency (TEQ min.) (b)**:** 0.0 pg/g

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290A

Quality Assurance Samples Laboratory Control Samples	QC Batch #: 3677 Matrix: Soil	Date Received: NA Date Extracted: 1/22/2026
Project ID: C3-10722	Sample Size: 10.00 g	Date Analyzed: 1/24/2026

Analyte	LCS1 % Rec.	LCS2 % Rec.	%RSD	Labeled Standards	LCS1 % Rec.	LCS2 % Rec	Limits (a)
2,3,7,8-TCDD	82.8	82.9	0.0853	13C-2378-TCDD	115	84.5	40-135
12378-PeCDD	90.2	89.8	0.314	13C-12378-PeCDD	77.6	66.5	40-135
123478-HxCDD	87.8	88.3	0.402	13C-123478-HxCDD	91.5	93.7	40-135
123678-HxCDD	93.5	90.6	2.23	13C-123678-HxCDD	104	99.9	40-135
123789-HxCDD	95.6	94.9	0.520	13C-1234678-HpCDD	93.6	91.0	40-135
1234678-HpCDD	94.5	96.4	1.41	13C-OCDD	82.0	80.0	40-135
OCDD	93.3	96.5	2.38	13C-2378-TCDF	87.1	75.8	40-135
2,3,7,8-TCDF	86.1	90.2	3.29	13C-12378-PeCDF	86.9	72.9	40-135
12378-PeCDF	90.6	87.2	2.70	13C-23478-PeCDF	80.1	68.9	40-135
23478-PeCDF	97.6	90.8	5.10	13C-123478-HxCDF	87.8	87.5	40-135
123478-HxCDF	86.9	90.8	3.10	13C-123678-HxCDF	97.6	95.6	40-135
123678-HxCDF	88.2	93.4	4.05	13C-234678-HxCDF	88.4	90.9	40-135
234678-HxCDF	92.7	88.4	3.36	13C-123789-HxCDF	79.1	83.3	40-135
123789-HxCDF	94.4	93.4	0.753	13C-1234678-HpCDF	87.0	84.0	40-135
1234678-HpCDF	98.6	99.5	0.642	13C-1234789-HpCDF	73.0	72.9	40-135
1234789-HpCDF	100	100	0.00				
OCDF	82.8	84.5	1.44				
				CRS			
				37Cl4-2378-TCDD	92.9	73.7	40-135

(a) Limits based on method acceptance criteria.

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290A

Client Sample ID: S-1R		
Project ID: C3-10722	**Ceres Sample ID:** 20467-001	**Date Received:** 1/21/2026
	QC Batch #: 3677	**Date Extracted:** 1/22/2026
Date Collected: 1/20/2026	**Matrix:** Soil	**Date Analyzed:** 1/24/2026
Time Collected: 9:38	**Sample Size:** 10.68 g **%Solid:** 93.6	

Analyte	Conc. (pg/g)	MDL	RL	Qual.
2,3,7,8-TCDD	ND< 0.142	0.183	0.500	
12378-PeCDD	ND< 0.245	1.75	2.50	
123478-HxCDD	ND< 0.0821	1.02	2.50	
123678-HxCDD	ND< 0.413	0.881	2.50	
123789-HxCDD	ND< 0.929	1.10	2.50	
1234678-HpCDD	14.1	0.736	2.50	
OCDD	124	3.36	5.00	
2,3,7,8-TCDF	ND< 0.0789	0.272	0.500	
12378-PeCDF	ND< 0.433	0.696	2.50	
23478-PeCDF	ND< 0.707	0.912	2.50	
123478-HxCDF	ND< 0.134	1.35	2.50	
123678-HxCDF	ND< 0.144	0.769	2.50	
234678-HxCDF	ND< 0.140	0.865	2.50	
123789-HxCDF	ND< 0.133	1.12	2.50	
1234678-HpCDF	4.63	0.794	2.50	
1234789-HpCDF	ND< 0.219	1.22	2.50	
OCDF	7.50	3.15	5.00	

Totals	Conc. (pg/g)	EMPC
Total TCDD	ND< 0.142	
Total PeCDD	ND< 0.245	
Total HxCDD	1.53	
Total HpCDD	40.0	
Total TCDF	2.88	
Total PeCDF	1.34	
Total HxCDF	4.92	
Total HpCDF	10.4	

Labeled Standards	% R	LCL-UCL (a)	Qualifiers
13C-2378-TCDD	105	40-135	
13C-12378-PeCDD	74.6	40-135	
13C-123478-HxCDD	92.8	40-135	
13C-123678-HxCDD	97.2	40-135	
13C-1234678-HpCDD	82.4	40-135	
13C-OCDD	58.0	40-135	
13C-2378-TCDF	86.8	40-135	
13C-12378-PeCDF	83.2	40-135	
13C-23478-PeCDF	78.5	40-135	
13C-123478-HxCDF	81.8	40-135	
13C-123678-HxCDF	82.1	40-135	
13C-234678-HxCDF	86.4	40-135	
13C-123789-HxCDF	84.1	40-135	
13C-1234678-HpCDF	67.0	40-135	
13C-1234789-HpCDF	70.0	40-135	

CRS

37Cl4-2378-TCDD	94.7	40-135	

DL - Signifies Non-Detect (ND<) sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit
(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.

Total Toxic Equivalency (TEQ min.) (b)**:** 0.227 pg/g

Analyst: JMH **Reviewed by: BS**

CERES Analytical Laboratory, Inc.
4919 Windplay Dr.Suite 1, El Dorado Hills, CA 95762

EPA Method 8290A

Client Sample ID: S-2R		
Project ID: C3-10722	**Ceres Sample ID:** 20467-002	**Date Received:** 1/21/2026
	QC Batch #: 3677	**Date Extracted:** 1/22/2026
Date Collected: 1/20/2026	**Matrix:** Soil	**Date Analyzed:** 1/24/2026
Time Collected: 9:53	**Sample Size:** 10.80 g **%Solid:** 92.6	

Analyte	Conc. (pg/g)	MDL	RL	Qual.
2,3,7,8-TCDD	ND< 0.103	0.183	0.500	
12378-PeCDD	ND< 0.0653	1.75	2.50	
123478-HxCDD	ND< 0.0924	1.02	2.50	
123678-HxCDD	ND< 0.0897	0.881	2.50	
123789-HxCDD	ND< 0.912	1.10	2.50	
1234678-HpCDD	8.35	0.736	2.50	
OCDD	81.5	3.36	5.00	
2,3,7,8-TCDF	ND< 0.135	0.272	0.500	
12378-PeCDF	ND< 0.0634	0.696	2.50	
23478-PeCDF	ND< 0.0641	0.912	2.50	
123478-HxCDF	ND< 0.104	1.35	2.50	
123678-HxCDF	ND< 0.109	0.769	2.50	
234678-HxCDF	ND< 0.116	0.865	2.50	
123789-HxCDF	ND< 0.115	1.12	2.50	
1234678-HpCDF	2.49	0.794	2.50	J
1234789-HpCDF	ND< 0.149	1.22	2.50	
OCDF	3.53	3.15	5.00	J

Totals	Conc. (pg/g)	EMPC
Total TCDD	ND< 0.103	
Total PeCDD	ND< 0.0653	
Total HxCDD	ND< 0.0924	
Total HpCDD	17.6	
Total TCDF	ND< 0.135	
Total PeCDF	ND< 0.064	
Total HxCDF	ND< 0.116	
Total HpCDF	4.85	

Labeled Standards	% R	LCL-UCL (a)	Qualifiers
13C-2378-TCDD	95.9	40-135	
13C-12378-PeCDD	86.6	40-135	
13C-123478-HxCDD	88.5	40-135	
13C-123678-HxCDD	98.8	40-135	
13C-1234678-HpCDD	85.2	40-135	
13C-OCDD	58.6	40-135	
13C-2378-TCDF	75.3	40-135	
13C-12378-PeCDF	74.8	40-135	
13C-23478-PeCDF	70.7	40-135	
13C-123478-HxCDF	80.7	40-135	
13C-123678-HxCDF	85.0	40-135	
13C-234678-HxCDF	84.2	40-135	
13C-123789-HxCDF	85.1	40-135	
13C-1234678-HpCDF	69.2	40-135	
13C-1234789-HpCDF	67.7	40-135	

CRS

37Cl4-2378-TCDD	88.2	40-135	

DL - Signifies Non-Detect (ND<) sample specific detection limit.
EMPC - Estimated Maximum Possible Concentration due to ion abundance ratio failure.
(a) - Lower control limit - Upper control limit
(b) - TEQ based on (2005) World Health Organization (WHO) Toxic Equivalent Factors.

Total Toxic Equivalency (TEQ min.) (b)**:** 0.134 pg/g

Analyst: JMH **Reviewed by: BS**

Section VI: Sample Tracking

A & R Laboratories
1650-C S. Grove Avenue
Ontario, CA 91761
V: 951.779.0310 ● 800.798.9336 F: 951.779.0344
office@arlaboratories.com

Chain of Custody Record

A & R Work Order #: **2601-00207**

RUSH

2 Cerel N

Project No:	Project Name:	
C3-10722	700 Sunnyside Ave., Sierra Madre	
Project Manager:	**Phone:**	**Fax:**
Jennifer Iñiguez	909-781-6335	

Customer Name: (Report and Billing)	Street Address: (Report and Billing)
A & R Laboratories	1650 S. Grove Ave., Ste. C
Email:	**City, State Zip**
jennifer.iniguez@arlaboratories.com	Ontario, CA 91761

Lab # (Lab use only)	Sample ID (As it should appear on report)	Grab/ Comp	Date sampled	Time sampled	Sample matrix	Container # & Type	Preserved	Micro: Plate Cnt., Coliform, E-Coli	Chem: BOD, TSS, TDS, pH, EC	Chem: Cyanide, Ammonia, Oil & Grease	IC: Br, SO4, PO4, NO3, NO2, Cl	Metals: Title 22 (CAM17 Metals) or RCRA	LUFT Gas or 8015 GRO or C4-C12	LUFT Diesel or 8015 DRO or C13-C40	VOCs by GCMS: 8260 or 624	VOCs by GCMS: BTEX, OXYs	SVOCs: 8270 or 625	Pest. &/or PCBs: 608 or 8081/8082	Dioxin_TEQ EPA Methond 8290			
	S-1R		1/20/2026	9:38	Soil	1-G													X			
	S-2R		1/20/2026	9:53	Soil	1-G													X			

Analyses Requested (circle appropriate)

Turn Around
- ○ 24hr RUSH*
- ◉ 48hr RUSH*
- ○ Normal
- ◉ Other ____

*PRIOR approval, additional fee, work received after 4 pm will be processed next work day.

Special Instructions

1) Relinquished by: (Sampler's Signature)	Date:	Time:	3) Relinquished by:	Date:	Time:	5) Relinquished by:	Date:	Time:
[signature]	1/20/26	1630	GLS					
2) Received by:	**Date:**	**Time:**	**4) Received by:**	**Date:**	**Time:**	**6) Received for Laboratory by:**	**Date:**	**Time:**
GLS			[signature]	1/21/26	1155			

Disposal
- ○ Return
- ◉ Lab Disposal

Unless other arrangements are made samples will be disposed of 60 days after reciept.

This section is to be completed by laboratory personnel:

Samples Chilled
- ◉ Yes ○ No
- ○ From Field

Custody Seals
- ○ Yes ◉ No

Samples Intact
- ◉ Yes ○ No

Temp C

Delivery
- ◉ Courier ○ Walk In
- ○ UPS/Fed Ex

Report Delivery Formats
- ☐ Paper ☑ EMAIL ☐ XLS
- ☐ EDD, Type _____
- ☐ EDF, EPA Site ID _____

Laboratory Notes: Please *cc: jenny.jiang@arlaboratories.com*

Sample Receipt Check List Logged by: HH (initials)

Ceres ID: 20467	Date/Time: 1/21/26 11:55
Client Project ID: C3-10722	Received Temp: 1.9 °C Acceptable: (Y) / N
Chain of Custody Relinquished by signed?	(Y) / N
Chain of Custody Received by signed?	(Y) / N
Custody Seals? Present?	Y / N
Intact?	Y / N
NA:	(NA)
Unlabeled / Illegible Samples	Y / (N)
Proper Containers:	(Y) / N
Preservation Acceptable (Chemical or Temperature)?	(Y) / N
Drinking Water, Sodium Thiosulfate present?	Y / N / (NA)
Residual Cl?	Y / N / (NA)
Aqueous sample pH: _____	(NA)

List COC discrepancies: HH 1/21/26

List Damaged Samples: HH 1/21/26

Section VII: Qualifiers/Abbreviations

J	Concentration found below the lower quantitation limit but greater than zero.
B	Analyte present in the associated Method Blank.
E	Concentration found exceeds the Calibration range of the HRGC/HRMS.
D	This analyte concentration was calculated from a dilution.
X	The concentration found is the estimated maximum possible concentration due to chlorinated diphenyl ethers present in the sample.
H	Recovery limits exceeded. See cover letter.
*****	Results taken from dilution.
I	Interference. See cover letter.
Conc.	Concentration Found
DL	Calculated Detection Limit
ND	Non-Detect
% Rec.	Percent Recovery

AR LABORATORIES, Inc.

1650 S. Grove Ave Suite C
Ontario, CA 91761
Voice: 951.779.0310 ● 800.798.9336
Fax: 951.779.0344

Chain of Custody Record

RUSH

www.arlaboratories.com info@arlaboratories.com

AR Lab Job # 2601-00207

Page 1 of 1

Project No:	Project Name:
C3-10722	700 Sunnyside Avenue Sierra Madre
Project Manager:	**Phone:** / **Fax:**
Kofi Bonner kbonner@hillmannconsulting.com	714-634-9500
Client Name: (Report and Billing)	**Address:** (Report and Billing)
Hillmann Consulting LLC	20 Corporate Park, Suite 330 Irvine, CA 92606

Please Circle Analyses Requested

Centrum ID (Lab use only)	Sample ID (As it should appear on report)	Date sampled	Time sampled	Sample matrix	Site location	Containers: # and type	Metals: Arsenic (Title 22 CAM)	Metals: Cobalt (Title 22 CAM)	Metals: Lead (Title 22 CAM)	GCMS: 8270C, 625	Dioxin_TEQ EPA Method 8290	Remarks/Special Instructions
1	S-1R	1/20/26	9:38	Soil	5-pt Composite	1 x Glass					X	
2	S-2R	1/20/26	9:53	Soil	5-pt Composite	1 x Glass					X	
												5.0891733

Turn-Around Time

- ☐ 24 Hr. RUSH*
- ☒ 48 Hr. RUSH*
- ☐ Normal TAT

*Requires PRIOR approval, additional charges apply

Requested due date: _____

1) Relinquished by: (Sampler's Signature)	Date:	Time:	3) Relinquished by:	Date:	Time:
[signature] KB	1/20/26	11:02			
2) Received by:	**Date:**	**Time:**	**4) Received by:**	**Date:**	**Time:**
[signature]	1/20/26	11:02			
			5) Relinquished by:	**Date:**	**Time:**
			6) Received for ~~Laboratory~~ by:	**Date:**	**Time:**

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

To be completed by Laboratory personnel:

Samples chilled? ☒ Yes ☐ No ☐ From Field

Custody seals? ☐ Yes ☒ No

All sample containers intact? ☒ Yes ☐ No

☐ Courier ☐ UPS/Fed Ex ☒ Hand carried

Sample Disposal

- ☐ Client will pick up
- ☐ Return to client
- ☒ Lab disposal

Laboratory Notes:

Sample Locator No.

White Copy - Original (Accompanies Samples) Yellow Copy - Centrum Files Pink Copy - Centrum duplicate

v6.0 1/11 coc-temp-both.xls

Gold Copy - Client Copy