



REMOVAL ACTION WORKPLAN

**MADERA DRIVE PROPERTY
10621 MADERA DRIVE,
CUPERTINO, CA 95014
APN: 32635061**

Project Number 2025-03-014

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Ben Engelman
11652 Bridge Park Ct.
Cupertino, CA 95014
(408) 891-8396
Larome.ben@gmail.com

Subject: Removal Action Workplan For
Madera Drive Property
10621 Madera Drive,
Cupertino, CA 95014
APN: 32635061

1. INTRODUCTION

As requested, Enviro Assessment, PC (Enviro Assessment) has prepared a Removal Action Workplan (RAW) for 10621 Madera Drive, Cupertino, CA 95014. This property will be referred to as the “Subject Property” or the “Site” throughout this report. The RAW includes a summary of prior investigations and the nature and extent of on-Site contamination, a summary of remedial goals to be achieved by the removal action (RA) as required by the California Health and Safety Code (H&SC) section 25323.1, description of remedial alternatives considered, and a detailed implementation plan for conducting the selected RA.

Site History

According to the previous Phase I, dated December 7, 2023, based on the aerial photos, topographic maps, and City Directory listings of the Subject Property, in addition to information obtained while conducting interviews, the Subject Property was developed with the present-day residential structure sometime around 1958. Prior to the development of the original structure, the Subject Property existed as an orchard, dating back to the first located aerial photograph from 1948. Historical use of the Subject Property includes, but is not limited to, an orchard and residential property. The orchards were considered a REC and sampling for OCPs was recommended.

The sampling event occurred on December 13, 2023. Four (4) shallow boreholes were advanced onsite. The boreholes were advanced with a hand trowel to depths of four to six inches (4-6”) below the ground surface. Arsenic was identified within normal background levels for the area. DDE, DDT, Dieldrin, and Toxaphene were detected in some of the soils sampled above the screening levels (DTSC-SL) for residential use.

2. PHYSICAL SETTING

Topography And Hydrology

Topography

According to the most recent USGS Topographic map covering the Subject Property and vicinity, the Subject Property is moderately sloped to the south and lies between approximately 260 and 300 feet above mean sea-level.

Groundwater

Historical records retrieved from nearby monitoring wells identified water at approximately 30 to 50 feet below ground surface¹. Actual groundwater was not encountered due to the shallow nature of the investigation.

Soils And Geology

Soils

The soils of the Subject Property are reported by the USDA as Santa Clara Area Urban Land complex with 0 to 2 percent slopes and represented on the map as units 140 and 170. Soils encountered at the site are represented in Plate A4, which is located in the Appendix².

Geology

According to the Geological Map of California, the Subject Property is located within the Qoa: Older Alluvial terrace gravel, sand and clay, undeformed,”³ as mapped by Thomas W. Dibblee, Jr., 2007.

¹ <https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/>

² <https://websoilsurvey.nrcs.usda.gov/app/>

³ <https://ngmdb.usgs.gov/mapview/?center=-97.39.6&zoom=4>

Flood Risk

To evaluate whether the Site is in an area subject to flooding, the Federal Emergency Management (FEMA) flood map for the Site area was reviewed. The map shows the Site to be fully within an area mapped as having a 0.2 percent annual chance of flooding. However, to the southwestern of the site, the creek is considered to be within the 1 percent annual chance of flooding. FEMA defines areas with a 1 percent change or higher as having a high risk of flooding. As such, flooding is not a significant risk for the planned soil encapsulation at the Site.

FEMA FLOOD MAP**3. OBJECTIVES OF THE RAW**

The objectives of this RAW are to:

- Present and evaluate existing Site conditions.
- Establish appropriate removal action objectives (RAOs) for protection of human health and the environment;

- Evaluate alternatives and identify a final recommendation for a removal action at the Site that is protective of human health and the environment; and;
- Provide the general steps that will be taken to implement the selected remedial alternative: Excavation and Capping of the COC-Impacted Soil.

4. SITE CHARACTERIZATION

Previous Site Investigations

Phase I Environmental Site Assessment

According to the previous Phase I, dated December 7, 2023, based on the aerial photos, topographic maps, and City Directory listings of the Subject Property, in addition to information obtained while conducting interviews, the Subject Property was developed with the present-day residential structure sometime around 1958. Prior to the development of the original structure, the Subject Property existed as an orchard, dating back to the first located aerial photograph from 1948. Historical use of the Subject Property includes, but is not limited to, an orchard and residential property. The Orchards were considered a REC and sampling for OCPs was recommended.

Additionally, based on the Memorandum provided by Placeworks dated December 13, 2024, the use of the Subject Property as a residence from prior to 1988 should also be considered a REC. The Memo stated that “it should also have been noted that there is the potential for OCPs around the perimeter of the single-family dwelling due to the application of termiticides and lead based paint in the soil”.

Phase II Environmental Site Investigation.

The initial screening level Phase II ESA was conducted on December 13, 2023. Four (4) shallow boreholes were advanced onsite. The boreholes were advanced with a hand trowel to depths of four to six inches (4-6”) below the ground surface. The locations were randomly picked. The Subject Property was divided into four sections, and one sample was collected from each section. Several OCPs were identified at levels above the Screening levels.

An additional Phase II ESA was designed based on the results of the initial screening Phase II ESA. Step-out locations from the elevated sample S-1 were identified. These step-out locations were chosen to help identify the extent of the elevated levels around sample S-1. Additional locations were chosen around sample S-1 to identify the depth of the impacts. Additionally, sample locations on each side of the residence were identified for sampling and analysis. Step-out locations from each of those samples were also taken.

This sampling event occurred on January 23, 2025. Thirteen (13) boreholes were advanced onsite. Eight (8) of those boreholes were located around the foundations of the residential structure at the Subject Property.

An additional sampling event occurred on February 12, 2025. Four (4) test pits were advanced onsite. These test pit locations were chosen to investigate the depth of the OCP impacts near and around sample S-1.

The additional Phase II Environmental Site Assessment (ESA) results indicate that Chlordane (technical), p,p-DDT, p,p-DDE, Dieldrin, and Toxaphene are present at the Subject Property at levels above HHRA Note 3 June 2020-Revised May 2022, Table 1. DTSC-recommended Screening Levels for Soil Analytes (DTSC-SL) for residential purposes.

OCPs impacts were identified around the residence at the six-inch level (6" bgs). Chlordane (technical) was identified at the two-foot sampling depth (2' bgs) in one sample (RE-1 @2').

5. NATURE, SOURCE, AND EXTENT OF CHEMICALS OF CONCERN

Selection Of Chemicals Of Concern

Data summary tables presenting the analytical results of the soil samples collected at the Site are included in Tables 1 through 4 in the data summary tables section of this report and in Tables A1 through A4 in Appendix A. Based on a comparison of the data to screening levels established for residential Site use the COCs identified in Site soil (i.e. chemicals exceeding residential screening criteria) consist of Chlordane (technical), p,p-DDE, p,p-DDT, dieldrin, and Toxaphene. Arsenic

and lead were not found to be elevated and therefore, are not COCs.

Nature And Extent Of COCs

Chlordane (technical)

Chlordane (technical) was detected in 4 of 37 soil samples (duplicate samples excluded) at concentrations exceeding the HHRA Note 3 June 2020-Revised May 2022, Table 1. DTSC-recommended Screening Levels for Soil Analytes (DTSC-SL) for residential purposes is 1.7 mg/kg. The greatest Chlordane concentration detected was 8.2 mg/kg (RE-1@6"). The analytical results are shown in Tables A1 through A4 in Appendix A.

The Chlordane (technical) detected exceeding the DTSC-SL appears limited to the upper approximately 2 feet. There is one area where the lateral extent of Chlordane (technical) was not determined. Therefore, bottom and sidewall verification soil sampling will be performed at locations shown on Plates B3 and B4 to determine whether additional soil removal is required.

p,p-DDE

DDE was detected in 2 of 37 soil samples (duplicate samples excluded) at concentrations exceeding the HHRA Note 3 June 2020-Revised May 2022, Table 1. DTSC-recommended Screening Levels for Soil Analytes (DTSC-SL) for residential purposes is 2.0 mg/kg. The greatest DDE concentration detected was 16 mg/kg (S-1). The analytical results are shown in Tables A1 through A4 in Appendix A.

DDE detected exceeding the DTSC-SL appears limited to the upper approximately two feet of soil. There is one area where the lateral extent of DDE was not determined. Therefore, bottom and sidewall verification soil sampling will be performed at locations shown on Plates B3 and B4 to determine whether additional soil removal is required.

p,p-DDT

DDT was detected in 2 of 37 soil samples (duplicate samples excluded) at concentrations exceeding the HHRA Note 3 June 2020-Revised May 2022, Table 1. DTSC-recommended Screening Levels for Soil Analytes (DTSC-SL) for residential purposes is 1.9 mg/kg. The greatest

DDT concentration detected was 7.3 mg/kg (S-1). The analytical results are shown in Tables A1 through A4 in Appendix A.

DDT detected exceeding the DTSC-SL appears limited to the upper approximately two feet of soil. There is one area where the lateral extent of DDT was not determined. Therefore, bottom and sidewall verification soil sampling will be performed at locations shown on Plates B3 and B4 to determine whether additional soil removal is required.

Dieldrin

Dieldrin was detected in 16 of 37 soil samples (duplicate samples excluded) at concentrations exceeding the HHRA Note 3 June 2020-Revised May 2022, Table 1. DTSC-recommended Screening Levels for Soil Analytes (DTSC-SL) for residential purposes is 0.034 mg/kg. The greatest Dieldrin concentration detected was 0.4 mg/kg (RN1@ 6" dup). The analytical results are shown in Tables A1 through A4 in Appendix A.

The Dieldrin detected exceeding the DTSC-SL appears limited to the upper approximately two feet of soil. There is one area where the lateral extent of Dieldrin was not determined. Therefore, bottom and sidewall verification soil sampling will be performed at locations shown on Plates B3 and B4 to determine whether additional soil removal is required.

Toxaphene

Toxaphene was detected in 2 of 37 soil samples (# count of duplicate samples excluded) at concentrations exceeding the HHRA Note 3 June 2020-Revised May 2022, Table 1. DTSC-recommended Screening Levels for Soil Analytes (DTSC-SL) for residential purposes of 0.45 mg/kg. The greatest Toxaphene concentration detected was 5.1 mg/kg (RN-1@6" dup).

The Toxaphene detected exceeding the DTSC-SL appears limited to the upper approximately two feet of soil. There is one area where the lateral extent of Toxaphene was not determined. Therefore, bottom and sidewall verification soil sampling will be performed at locations shown on Plates B3 and B4 to determine whether additional soil removal is required.

Targets Potentially Affected By The Site

A conceptual site model (CSM) (Plate B5) was developed to assist in understanding Site conditions

and potential pathways by which humans may be exposed to the COC at the Site. The CSM is based on the known Site history and results of the soil data collected during the prior environmental studies. An exposure pathway is considered complete if it presents a means of exposure to a receptor. A complete exposure pathway includes all of the following: a source of contamination (e.g., pesticide), release mechanism (e.g., application of pesticide to areas of concern), transport mechanism, exposure point (e.g., exposed soil), and a receptor (e.g., future occupants).

The COC recognized for the Site were identified as Chlordane (technical), p,p-DDE, p,p-DDT, Dieldrin, and Toxaphene in soil.

Exposure assessment is the process of identifying human and biota populations that could potentially come in contact with the Site chemicals, and the pathways a chemical could take from a source to an exposed organism. The primary exposure points where receptors may come into contact with the COC identified at the Site include: exposed surface soil where soil ingestion, dermal contact with soil, and inhalation of dust particles containing the COC could occur. Potential Site receptors include: construction workers involved in the development of the proposed residential houses and future tenants. At this Site, the ingestion, and dermal contact exposure pathways to human populations are considered complete for soil. Dust control measures will be implemented to control exposures to fugitive dust to on-Site workers and neighbors.

Future occupants are not expected to have dermal contact with groundwater, and the city of Cupertino prohibits the use of shallow groundwater beneath the Site for irrigation or potable water.

6. RISK EVALUATION AND CLEANUP GOALS

This section presents detailed information regarding the cleanup goals for the COC at the Site. The cleanup goals, based on a screening level evaluation, will be used to support decisions with respect to the need for and the extent of remediation

Environmental Screening Risk Evaluation

There are no potential threats to the environment for COC in soil other than the potential for wind

to cause the migration of COC-impacted dust from the Site to off-Site areas. Potential sources of release of a hazardous material to the atmosphere are limited to fugitive dust from surface soils during implementation of the RAW. There is no documentation of a release of hazardous materials from the Site to the atmosphere. During RAW implementation, dust control measures will be implemented to control fugitive dusts, and after implementation of the RAW the COC-impacted soil will be capped. Therefore, the potential for releases of hazardous materials from the Site to the atmosphere is considered to be de minimis.

Cleanup Goals

Soil

HHRA Note 3 June 2020-Revised May 2022, Table 1. DTSC-recommended Screening Levels for Soil Analytes (DTSC-SL) for residential use was selected as the cleanup goals for COC identified for soil at the Site.

Arsenic Strategies Determination of Arsenic Remediation Development of Arsenic Cleanup Goals dated January 16, 2009 by DTSC state that “The upper limit of the background data set can be selected as the cleanup goal”. Therefore, a research document by Dylan Jacques Duvergé dated 2011 titled “ESTABLISHING BACKGROUND ARSENIC IN SOIL OF THE URBANIZED SAN FRANCISCO BAY REGION” states that the 99th percentile background level for the San Francisco Bay Area is 11 mg/kg.

In summary, the cleanup goals for COC identified in soil for the Site are presented in Table A.

Table A. Cleanup Goals - Soil

Contaminant Residential Site Use Cleanup	Goal (mg/kg)	Basis for Cleanup Goal
Arsenic	11*	Duvergé, 2011
Lead	80	HHRA Note 3 (DTSC, May 2022)
Chlordane (technical)	1.7	HHRA Note 3 (DTSC, May 2022)
p,p-DDE	2	HHRA Note 3 (DTSC, May 2022)
p,p-DDT	1.9	HHRA Note 3 (DTSC, May 2022)
Dieldrin	0.034	HHRA Note 3 (DTSC, May 2022)
Toxaphene	0.45	HHRA Note 3 (DTSC, May 2022)

Note: If additional OCPs are detected in verification soil samples, concentrations will be compared

to residential screening levels (HHARA Note 3, DTSC, May 2022)

7. ENGINEERING EVALUATION FOR THE REMOVAL ACTION

Remedial Action Objectives

Remedial Action Objectives (RAOs) are goals developed for the protection of human health and the environment and are based on chemical concentrations and potential exposure routes. Protection of human health can be achieved by reducing chemical concentrations and/or by eliminating exposure pathways. The RAO for the Site is to mitigate the threat to human health and the environment from the identified COC-impacted soil in a manner that will not constrain or limit commercial development of the property. Site specific RAOs include:

- Minimize or eliminate the potential for COC-impacted media to be encountered during Site development activities.
- Minimize or eliminate potential exposure of future tenants (receptors) to COC-impacted media through direct contact, ingestion and inhalation;
- Minimize or eliminate the potential for uncontrolled migration of COC-impacted soil during construction activities;
- Reduce the concentration of COC in soil to levels that will allow maximum flexibility for residential development of the Site as intended; and;
- Achieve compliance with local, State and Federal regulations.

Removal Action Alternatives

This section provides the analysis of three removal action alternatives for mitigating the threat to human health and the environment posed by the COC-impacted soil at the Site. These removal alternatives include the following:

- Alternative 1 - No action.
- Alternative 2 – Excavation and off-Site disposal of soil exceeding hazardous waste limits, and excavation and capping of remaining soil with COC concentrations exceeding residential cleanup goal beneath engineered fill within the proposed building pad. Removal of soil exceeding hazardous waste limits will also remove soil where the highest

concentrations of OCPs were detected, which will help reduce risk to groundwater quality from the consolidated soil. Management of the consolidated soil in-place through implementation of an operation and maintenance plan (OMP) and a Land Use Covenant (LUC) that references the OMP and prohibits sensitive land uses.

- Alternative 3 – Excavation and off-Site disposal of soil exceeding unrestricted cleanup goals.

Other potential alternatives or innovative technologies have not been included because they are unlikely to be timely, implementable, and/or cost-effective.

Alternative 1 – No Action

The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and DTSC require the consideration of no action as a baseline alternative during the feasibility screening process. This removal action alternative would not involve the removal or capping of the impacted soil at the Site.

Alternative 2 – Limited Removal/Off-Site Disposal and On-Site Capping

Under Alternative 2, limited soil removal/off-Site disposal would be performed at prior sample location S-1 to remove elevated OCP concentrations detected in that sample, and removal/off-Site disposal of soil with elevated concentrations of OCP in soils around the foundation. Remaining soil with COC exceeding cleanup goals located outside the consolidation area would be excavated and placed beneath one foot of baserock/non-expansive engineered fill within the proposed building consolidation area (“cap”).

Alternative 2 will involve excavation of approximately 122 cubic yards of soil from the upper one foot, with zero (0) cubic yards of soil removed for off-site disposal and 122 cubic yards of OCP impacted soil placed as engineered fill beneath the cap within the Building footprint (building locations to be finalized later (Plate B6). Equipment used for excavation and consolidation may include excavators, loaders, backhoes, and/or other appropriate equipment. Excavation operations will generate dust emissions. Suppressant, water spray and/or other forms of dust control will be

required during excavation.

Institutional controls, including a LUC will be implemented. Because soil exceeding unrestricted screening levels will be left in-place, the LUC will apply to the entire Site and will prohibit sensitive uses (i.e. hospitals, day cares, and schools for students under age 18), plus prohibit use of shallow groundwater as a drinking water or irrigation water. The LUC would reference an OMP that will be specific to the location of the consolidation cell. The OMP will include criteria for when periodic maintenance will be performed, plus requirements to perform annual inspections and Five-Year Reviews.

Alternative 3 – Soil Excavation and Off-Site Disposal

Under this alternative, soil with COC at concentrations exceeding unrestricted/residential screening levels would be over-excavated and disposed of at an appropriately licensed off-site landfill. The area would be backfilled with “clean” soil. No on-going operation and maintenance requirements would be imposed on the Site. Alternative 3 will involve excavation of approximately 245 cubic yards of soil from the upper two feet, with 145 cubic yards of soil (plus expansion of excavated soils) removed for off-site disposal.

Evaluation Of Removal Action Alternatives

The evaluation of removal action alternatives should consider the effectiveness, implementability, and cost of each remedial alternative. These evaluation criteria are discussed and compared below for each of the three proposed removal action alternatives. A comparison of the alternatives against the evaluation criteria is presented in Table B – below.

Table B. Comparison of Remedial Alternatives to Evaluation Criteria

Evaluation Criteria	Alternative 1	Alternative 2	Alternative 3
	No Action	On-Site Capping	Excavation and Off-Site Disposal
Effectiveness			
Performance and reliability to eliminate or reduce the risk associated with the identified COCs (in terms of toxicity, mobility, or volume) at the Site	Not effective at eliminating risk	Effective but requires maintenance	Effective
Overall protection of public health and the environment (threshold factor)	Not effective at eliminating risk	Effective	Effective
Long- and short-term effectiveness (balancing factor)	Not effective	Effective	Effective
Reduction of toxicity, mobility, or volume through treatment (balancing factor)	Not effective	Effective	Effective
Ability to meet the RAOs (threshold factor)	Not effective	Effective	Effective
Implementability			
	Technically implementable but not institutionally feasible	Technically implementable and institutionally feasible	Technically implementable and institutionally feasible
Costs			
	\$0	\$146,400.00	\$147,600.00

Effectiveness

The evaluation of the effectiveness of each alternative is based on:

- Performance and reliability to eliminate or reduce the risk associated with the identified

COCs (in terms of toxicity, mobility, or volume) at the Site;

- Overall protection of public health and the environment (threshold factor);
- Long- and short-term effectiveness (balancing factor);
- Reduction of toxicity, mobility, or volume through treatment (balancing factor); and;
- Ability to meet the RAOs presented in Section 7.1 (threshold factor)

Alternative 1 would not be protective of human health and the environment

Alternative 2 is semi-effective. For Alternative 2, the COC-impacted soil would remain on-site except for soil removed for off-site disposal. It is noted that the highest concentrations of OCPs detected will be removed for off-site disposal, which is expected to reduce risk to groundwater quality from the consolidated soil. COC impacted soil that exceeds residential cleanup levels and is outside the footprint of the cap will be excavated and placed beneath the cap within the building footprint. The institutional constraints and management plan would manage the on-site impacted material beneath the cap. Due to the physical characteristics of the COC (non-volatile and immobile in the absence of water) and the placement beneath an impermeable cap, this alternative would be protective of human health and the environment. In addition, the soil will not be in contact with surface water or groundwater. The COC will not readily volatilize or migrate as vapors. Since the impacted soil would be capped by approximately one foot of baserock and non-expansive soil, and the cap will be located beneath a concrete floor, the impacted soil would not become entrained into ambient air as a result of wind erosion of surface soil. Additionally, the cap would preclude soil ingestion and dermal contact with soil, which were identified as potential human exposure pathways in Section 5.3. As such, Alternative 2 is considered to be effective, however, with the future limitations on land use, and the relative similar costs to Alternative 3, Alternative 2 is a less effective alternative than Alternative 3.

Alternative 3 is effective. It also is the most conservative of the alternatives because under this alternative the impacted material exceeding unrestricted cleanup goals would be removed from the Site; thus, the potential for on-going exposure to on-site impacted soil would be eliminated. There would be an added result of the transportation of approximately 245 cubic yards of excavated soil

(approximately 20 to 21 truckloads) to an acceptable disposal facility, and the importation of approximately 245 cubic yards of clean soil (an additional approximately 20 to 21 truckloads) to replace the removed soil. Due to the complete removal of material exceeding unrestricted cleanup goals, Alternative 3 is the most effective alternative for the development project and, thus, is an effective alternative.

Implementability

Implementability of a removal action alternative is based on the technical and institutional feasibility of implementing the alternative. Technical feasibility includes the availability of necessary equipment and skilled workers to implement the alternative. Institutional feasibility includes the ability to obtain the necessary permits and regulatory concurrence. Each of the three removal action alternatives are technically implementable. Alternative 1 is not considered to be institutionally feasible, while Alternatives 2 and 3 are considered institutionally feasible.

Cost

The cost of implementing an alternative includes capital and continuing costs. Continuing costs are defined as on-going costs associated with implementation and maintenance of the selected remedy. The capital costs and continuing costs associated with implementing Alternatives 2 and 3 are summarized in Table C below. No capital or continuing costs are associated with Alternative 1.

Table C Opinion of Estimated Costs

Alternative 2: Excavation, Consolidation and Encapsulation

Item	Frequency of Events	Cost Per Event	30-Year Cost
Engineering Oversight and Verification Sampling During Removal Activities, Removal Action Implementation/Completion Report	1	\$20,000.00	\$20,000.00
Generator Fee	1	\$2,000.00	\$2,000.00
Excavate and Consolidate On-Site 122 Cubic Yards Impacted Soil in Consolidation Cell	1	\$30,000.00	\$30,000.00
Deed Restriction	1	\$10,000.00	\$10,000.00
Annual Observation	30	\$1,500.00	\$45,000.00
5-Year Reviews	6	\$2,500.00	\$15,000.00
Subtotal			\$122,000.00
Contingency (20%)			\$24,400.00

<i>Approximate Total</i>			\$146,400.00
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* The total approximated amount rounded up to the next significant figure

** Assumes maintenance expenditure at years 10 and 20.

Alternative 3: Excavation of Impacted Soil Exceeding Unrestricted Screening Levels and Off-Site Disposal

Item	Frequency of Events	Cost Per Event	30-Year Cost
Engineering Oversight and Verification Sampling During Removal Activities, Removal Action Implementation/Completion Report	1	\$20,000.00	\$20,000.00
Generator Fee	1	\$5,000.00	\$5,000.00
Excavate and Removal of 245 Cubic Yards from onsite to Transportation	1	\$10,000.00	\$10,000.00
Transportation and Disposal of 245 Cubic Yards Impacted Soil to Kettleman City	1	\$80,000.00	\$80,000.00
Import Clean Fill	1	\$8,000.00	\$8,000.00
Subtotal			\$123,000.00
Contingency (20%)			\$24,600.00
<i>Approximate Total</i>			\$147,600.00

* The total approximated amount rounded up to the next significant figure

Capital Costs

Capital costs associated with implementing Alternatives 2 and 3 include construction costs (e.g., excavation of impacted material), engineering costs (e.g., preparing plans and specifications, and performing construction oversight), reporting costs, and regulatory agency oversight costs. The concrete cap to be installed for Alternative 2 is part of the planned construction and, therefore, is not considered a capital cost for implementation of the alternative.

Continuing Costs

Since the overseeing regulatory agency will require a Land Use Covenant (Alternative 2), continuing costs will be incurred as a result of these institutional constraints. Such events will include annual inspections, five-year reviews, and periodic maintenance for a period of 30 years.

Estimated Costs for Remedial Actions

Estimated remediation costs for implementing each alternative are calculated based on the sum of

capital costs and continuing costs. Table C (above) reflects the cost estimates for implementing the remedial alternatives.

Alternative 1: \$0

Alternative 2: Estimated cost is approximately \$146,400.00

Alternative 3: Estimated cost is approximately \$147,600.00

Removal Action Alternative Selection

Alternative 1 is the least effective of the proposed alternatives in mitigating the threat to human health and the environment and is not considered effective or implementable. Alternative 2 is considered less effective and implementable than Alternative 3. This alternative would require long-term operation and maintenance and regulatory involvement. By capping COC-impacted soil beneath an impermeable cap, this alternative significantly reduces risk to the environment beneath the Site and to human health at the Site compared to Alternative 1.

Alternative 3 is the most effective and implementable, would provide for unrestricted use of the Site without on-going operation and maintenance requirements, and is anticipated to not significantly impact the overall project schedule. By removing COC-impacted soil for disposal off-site, this alternative significantly reduces risk to the environment beneath the Site and human health at the Site compared to Alternative 1.

Based on consideration of the above factors, Alternative 3 is recommended as the removal action alternative for the Site.

8. SOIL REMOVAL ACTION IMPLEMENTATION

This section presents the protocols that will be followed for excavation/off-site disposal of soil with elevated COC concentrations exceeding Site cleanup goals. The remedial excavation areas are shown on Plates B3 and B4.

Field Preparation For Remedial Action**Removal Design Implementation Plan**

Prior to the start of RAW implementation activities, a Removal Design Implementation Plan (RDIP) will be prepared that will include the following:

- A grading plan for the removal area.
- Specifications for subgrade preparation and engineered fill placement in the building pad.

Contractor's Licensing and Training

Work activities will be performed by a licensed hazardous materials contractor (hereinafter "Contractor") with a hazardous substance removal and remedial action certificate ("A-haz" contractor) and personnel with training in hazardous waste operations (40-hour OSHA Training). The Contractor will be required to perform several pre-field activities prior to the initiation of soil remediation activities as discussed in this section.

Permitting

The Contractor shall submit all applicable permits and fees; obtain all applicable permits; provide all applicable notifications; and coordinate all required inspections for performing soil excavation and off-haul, and backfilling work from the appropriate agencies.

Health and Safety Plan

All contractors will be responsible for operating in accordance with the most current requirements of Title 8, California Code of Regulations, section 5192 (8 CCR 5192) and Title 29, Code of Federal Regulations, section 1910.120 (29 CFR 1910.120), Standards for Hazardous Waste Operations and Emergency Response (HAZWOPER). On-Site personnel are responsible for operating in accordance with all applicable regulations of the Occupational Safety and Health Administration (OSHA) outlined in 8 CCR General Industry and Construction Safety Orders and 29 CFR 1910 and 29 CFR 1926, Construction Industry Standards, as well as other applicable federal, state and local laws and regulations. All personnel will operate in compliance with all California OSHA requirements. A site-specific health and safety plan (HASP) is attached in Appendix A.

Contractors will be responsible for the health and safety of their own workers, including but not limited to preparation of their own HASP and injury and illness prevention plan (IIPP). The Contractor's HASP will establish health and safety protocols for Contractor personnel in accordance with deferral and State of California OSHA standards. The HASP shall contain provisions for limiting chemical exposure to construction workers, chemical and non-chemical hazards, emergency procedures, and standard safety protocols

Site Security

The Site will be fenced and gated with lock. Access to the Site shall be limited to authorized personnel. Site control is intended to control the potential spread of contamination from the Site. Prior to excavation activities, the Contractor will divide the Site into three zones: exclusion zone, decontamination zone, and support zone. The planned areas of excavation are identified as exclusion zones.

Exclusion Zones

Ingress to and egress from the exclusion zones (remedial excavation areas) will be controlled by the Contractor until the removal of soil exceeding Environmental Screening Criteria is complete. The exclusion zones and access corridors will be clearly defined in the field by the Contractor with a combination of construction staking, fencing, barricades, and/or caution tape. Unauthorized individuals will not be allowed within the exclusion zone during excavation activities. Temporary access corridors will be used for travel between work zones and to the decontamination zone. The exclusion zones will remain cordoned off until removal activities are complete. Once the consolidated soil has been removed the area will no longer be considered an exclusion zone. The approximate exclusion zone is shown on Plate B7. The Contractor will post signs on the perimeter fence around the Site that reads:

WARNING CONTAMINATED WORK AREA AUTHORIZED PERSONNEL ONLY Questions or Concerns, Please Call: TBD	WARNING This Site contains chemicals known to the State of California to cause cancer or other reproductive toxicity. AUTHORIZED PERSONNEL ONLY Questions or Concerns, Please Call: TBD
--	---

Decontamination Zones and Procedures

Prior to the initiation of soil excavation activities, the Contractor will establish the decontamination zone(s). Decontamination procedures will be performed before leaving the work areas as part of general protocols for minimizing the physical transfer of impacted materials from the Site. The approximate equipment decontamination zone is shown on Plate B7.

Prior to beginning soil excavation activities, decontamination zones will be established on-Site by the Contractor such that dust, debris and soil are removed from equipment, transportation vehicles and personnel leaving the work zones. The decontamination zone will be large enough to accommodate steam cleaning or pressure washing of all equipment including excavators, dozers and loaders, if necessary. However, personnel decontamination will also take place as Site personnel leave the work zones. The location and size of the decontamination zone for personnel may change as Site conditions and operations dictate.

Decontamination procedures of equipment and transportation vehicles may include both dry and/or wet methods. Dry methods are the primary means of decontamination and consist of brushing and scraping of equipment to remove soil. If dry methods are not effective, wet methods may be used such as steam cleaning or pressure washing without detergent. The Contractor will provide washtubs with soap and water and rinse tubs for the cleaning of reusable equipment.

Water used for on-site decontamination will be collected and stored in on-site storage containers (drums or closed-top tanks) provided by the Contractor. Wastewater will be analyzed and disposed of off-site at a permitted facility. Additional equipment decontamination procedures are presented in Appendix A.

Support Zone/Staging Area

The support zone/staging area will be set up on-Site by the Contractor prior to starting excavation activities. This area will provide for administrative and support functions (command post, first-aid station, rest area, drinking facility, etc.) necessary to keep the field activities operating smoothly. The Contractor will provide potable water and wash facilities for the field personnel in this location. The approximate support zone/staging area is shown on Plate B7.

Risk Reduction Measures**Dust and Erosion Control Plan**

The Contractor is required to utilize effective means of dust and erosion control to minimize the generation of dust and erosion associated with excavation activities, truck and vehicle traffic onto and off the Site, and the effects of ambient wind traversing exposed soil. Work activities, such as clearing, excavation and grading operations, construction vehicle traffic on unpaved ground, and wind blowing over disturbed soil surfaces may generate dust and particulate matter whenever exposed soil surfaces are dry. The Contractor will eliminate or minimize dust emissions to the maximum extent possible. To accomplish minimal dust emissions, the Contractor will implement dust control measures in accordance with Air District rules and regulations.

An effective means of dust control will be utilized to minimize the generation of dust associated with the earthwork activities, truck traffic onto and off the Site, and the effects of ambient wind traversing exposed soil. Dust control measures (which will be recorded by the Contractor in a daily written log) utilized at the Site will include several or more of the following on an as needed basis:

- Providing equipment and staffing during normal working hours for watering of all exposed or disturbed soil surfaces sufficient to suppress dust plumes.
- Using dust suppressant additives in the water, which can be a small amount of ordinary liquid detergent.
- Covering or wetting of stockpiles of debris, soil, sand, or other materials that can be blown by the wind. Inactive stockpiles of contaminated soil associated with RAW implementation will be covered by plastic sheeting that is secured in-place and maintained during non-work

hours.

- Misting or spraying water while excavating soil and loading transportation vehicles.
- Minimizing drop heights while loading/unloading excavated soil.

For track-out prevention, a gravel pad near the Site exit will be constructed for vehicle decontamination. Decontamination procedures outlined in in this section will be followed. All truck tires and truck exteriors will be free of dirt before leaving the decontamination pad.

- Any track-out on a paved public road at any location where vehicles exit the work Site will be cleaned by using wet sweeping with a HEPA filter equipped street sweeper when track-out is identified and at the end of each workday. Dry sweeping of paved roadways will be prohibited.
- Wetting inactive portions of the Site that have exposed soil surfaces or treating these areas with an approved dust suppressant.
- Suspending earth moving or other dust producing activities during periods of high winds whenever dust control measures are unable to prevent visible dust plumes.
- Watering to control dust will not result in ponded water or runoff. If runoff occurs, it will be contained on-Site.

Excavation Layout and Staking

Prior to starting excavation activities, Enviro Assessment, PC will coordinate with the Surveyor to stake and mark out the lateral limits of the excavation areas. The Contractor is responsible for maintaining the integrity of the staked locations at all times.

Site Stripping

Site stripping activities will be performed in accordance with the geotechnical engineer's requirements.

Impacted Soil Management

The following sections present the specific activities for implementing the proposed remedial Alternative 3, and general construction requirements for contracting purposes. Under Alternative 3, soil at targeted locations will be excavated and removed for off-site disposal. Following

removal/off-Site disposal, clean fill will be imported as needed.

Excavation/Off-Site Disposal and Verification Sampling

Soil will be excavated from the areas shown on Plate B3 and Plate B4 to remove soil with elevated concentrations of OCPs. Approximately 245 cubic yards of soil are to be removed for off-site disposal. Sampling/analyses of the soil for disposal profiling is presented in this portion of the Report. Transportation and waste management plans for the removed soil are also included. The soil will be excavated and loaded directly onto trucks for off-site disposal without stockpiling.

Our field Environmental Professional will collect verification samples from the base and sidewalls of the excavations to help guide the excavation extents. One verification sample will be collected at the base of the excavations for each approximately 2,500 square feet of excavation area, with a minimum of one (1) bottom sample per excavation. Sidewall verification samples will be collected from the upper approximately ½ foot of soil; sidewall samples will be additionally collected from a depth of approximately 1 to 1½ feet from the 2-foot deep excavations. Sidewall samples will be collected in approximately 40-foot intervals, with a minimum of four (4) sidewall sample locations for each excavation. The soil samples will be collected using hand sampling equipment in accordance with the protocol presented this section and analyzed for OCPs.

The sidewall and/or base excavations where the verification samples were collected that are causing the exceedance will be extended approximately ten (10) feet laterally for sidewall samples and/or one (1) foot deeper for bottom samples. Additional verification soil samples will be collected and analyzed. This process will be repeated, as necessary, to achieve the cleanup goals listed in Table A. Additional excavation and verification sampling will be performed, as discussed above, as needed.

Soil Sampling Procedure

Soil samples will be obtained by manually scraping a 2½-by 6-inch stainless steel sampling tube into freshly exposed soil in the excavation sidewall. Bottom samples will be obtained by manually pressing a sampling tube to a depth of approximately six inches (6"). If the soil is too dense to

manually press the brass sampling tube into the soil, the tube will be driven into the soil using a slide hammer or equivalent device. The ends of the liners will be covered in Teflon film, fitted with plastic end caps, and labeled with a unique identification number. The samples will then be placed in an ice-chilled cooler and transported to a state-certified analytical laboratory with chain of custody documentation. Sampling equipment will be decontaminated to help prevent cross contamination between samples. Sampling equipment will be decontaminated prior to sampling and between sample points by washing with a non-phosphate detergent such as Liquinox. Decontamination water will be collected and placed in a 55-gallon drum or wastewater holding tank. The following steps will be followed for decontamination of non-disposable sample equipment:

- Wash with a non-phosphate detergent and water solution. This step will remove visible contamination from the equipment. Fill a 5-gallon bucket approximately 3/4 full and dilute with a non-phosphate detergent as directed by the manufacturer. Use a dedicated long-handled brush to assist with cleaning.
- Rinse with potable water. This step will decrease the gross contamination and reduce the frequency of changing of the non-phosphate detergent and water solution. Fill a 5-gallon bucket, 3/4 full with water. Use a dedicated long-handled brush to assist with cleaning of equipment. Frequent changing of this water will increase its effectiveness.
- Rinse with de-ionized water. Fill a 5-gallon bucket approximately 3/4 full of water and use a dedicated long-handled brush to assist with cleaning. Periodic changing of this water is required.

Laboratory Analyses

The verification soil samples will be submitted to a state certified laboratory and analyzed for organochlorine pesticides (EPA Test Method 8081). Laboratory analytical results will be compared to the Site cleanup goals presented in Table A. If additional OCP compounds are detected, they will be compared to residential screening levels (HERO, Note 3, updated 2022).

Table C provided below presents the sample handling and testing requirements.

Table C. Sample Handling and Testing Requirements

Chemical	Test Method	Minimum Reporting Limits	Preservative	Hold Times
OCPs	8081A	varies	6 degrees C	14 days

* For samples with no dilution. Reporting limits may be higher for samples that require dilution due to elevated COC.

Quality Assurance / Quality Control Plan

The proposed soil sampling activities presented in this section will consist of collecting and analyzing soil samples for selected COC. To check the precision and accuracy of field and laboratory data, we will collect quality assurance and quality control (QA/QC) samples and will review QA/QC data provided by the chemical testing laboratory. This section presents the following QAQC requirements:

- Field Documentation;
- Data Quality;
- Field Duplicates;
- Sample Receipt and Handling;
- Laboratory Quality Control; and
- Data Validation

Field Documentation

Information pertinent to the field investigation will be recorded in a bound field logbook. Data will be recorded in the field logbook in a legible manner. All logbook entries will contain accurate and detailed documentation of daily project activities. Entries in the logbook will include the following:

- Site identification;
- Location and sampling points;
- Description of sampling points;
- References to photographs of the field activities
- Sample identification number;
- Number of samples collected;
- Date of sample collection;
- Time of sample collection;
- Reference to sample location map;

-
- Collector's name;
 - Field observation;
 - Number of QA/QC samples collected;
 - Field measurements

The field logbook or daily log sheets will be maintained during all times when any investigation-related field activities are in progress. Photographs may be taken to provide visual evidence of significant items or anomalies discovered during the investigation. The photographs will be referenced appropriately in the field logbook.

Data Quality

Enviro Assessment, PC selected an analytical laboratory certified and approved by DTSC pursuant to Health and Safety Code Section 25198. The laboratory was selected on the basis of qualifications, reputation, and appropriate certifications and licensing. McCampbell Analytical is a California Department of Health Services (DHS) and National Environmental Laboratory Accreditation Conference (NELAC) certified laboratory.

Field Duplicates

The field QA/QC procedures will consist of field duplicate collection and analysis. Field duplicate samples are two co-located samples of the same matrix, collected in the same approximate location and time, and similar overall homogeneity. Analysis of field duplicates provides a quantitative measure of the variability of the overall sampling and laboratory analysis process due to sample heterogeneity, sampling techniques, and/or analytical methods. The field duplicates will be assigned a different sample ID but will be packaged and transported in the same manner as the primary sample. For verification soil sampling, up to one field duplicate sample per ten samples will be collected from selected sampling locations.

Sample Receipt and Handling

Sample handling and documentation will be reviewed during the data quality assessment and will include evaluating chain-of-custody documentation, technical sample integrity, preservation, and technical holding times. Samples will be delivered to the analytical laboratory with proper chain-

of-custody documentation. Sample cooler temperatures for samples submitted to Mccampbell Analytical will be recorded at the time of sample receipt. After the transfer of sample custody to the laboratories, the samples will be placed in storage refrigerators, maintaining a temperature of 6° Celsius or below. The analytical testing will be performed within the technical holding times for sample preparation and analyses.

Laboratory Quality Control

Upon completion of field work, samples will be delivered with proper chain-of-custody documentation to a state-certified analytical laboratory. The analytical laboratory QA/QC program will include sample receipt verification, sample hold times, and the preparation and analysis of laboratory QC samples. Laboratory QC samples will include:

Method Blanks: A method blank is a laboratory-prepared contaminant-free matrix sample that is carried through the entire sample preparation and analytical process with the analytical batch. The method blank is used to assess the existence and magnitude of contamination resulting from laboratory activities.

Laboratory Control Samples: A laboratory control sample (LCS) is a contaminant-free matrix (i.e., same used for a method blank), spiked with known concentration(s) of target analyte(s), that is carried through the entire sample preparation and analytical process with the analytical batch. The LCS is used to assess the overall accuracy of the method.

Matrix Spike and Matrix Spike Duplicates: A matrix spike (MS), and matrix spike duplicate (MSD), are aliquots of a sample that have been spiked with target analyte(s) of known concentration(s) during sample preparation. The impact of sample matrix on target analyte recovery (i.e. accuracy) and precision is assessed by the MS and MSD percent recovery (%R) and RPD.

Surrogate Recoveries: A surrogate is a non-target analyte spiked during sample preparation at known concentration in every sample, including field and laboratory QC samples. Surrogate analyses are used to monitor method performance on a matrix specific/sample-specific basis.

At a minimum, one laboratory QC sample is required per 14 days or one per 20 samples (including blanks), whichever is greater. One laboratory QC sample will be chosen at random by the laboratory for the matrix spike and matrix spike duplicate (MS/MSD) per 14 days or one per 20 samples (including blanks), whichever is greater.

Soil Sampling/Laboratory Analyses for Off-Site Disposal Profiling

The COC-impacted soil planned for off-site disposal will be profiled per the requirements of the accepting facility. Soil sampling for disposal profiling/acceptance will be performed prior to the start of excavation.

Disposal Facilities and Transportation Plan

COC-impacted soil may be off-hauled to the following facilities as shown in Table D below.

Table D. Proposed Landfill Facilities for COC-impacted Soil

Landfill	Location	Impacted soil for off-haul
Kettleman Hills, Waste Management	Kettleman City, CA	California Hazardous Soil for OCPs

The soil will be transported by an appropriately licensed transporter. The necessary documents, such as the bills of landing and/or hazardous waste manifest forms, will be completed and accompany the driver to the disposal facility. The Contractor will review the manifests and observe trucks leaving the Site to document that the vehicles were loaded at the Site and appropriately covered in accordance with Department of Transportation (DOT) regulations and that the manifests were appropriately completed; the Contractor will prepare a written log of these activities.

As noted in Section 7, approximately 245 cubic yards of soil are estimated for removal and off-site disposal. Assuming approximately 12 cubic yards per truckload, the soil removal will result in approximately 21 truck trips to/from the Site. Approximately one week is anticipated for the removal/disposal of the soil.

Soil Stockpiling Procedures

Soil that is suspected to be contaminated shall be loaded directly onto the hauling truck, where, if contaminated soil must be stockpiled, it is to be placed on-site on top of an “impermeable” liner (6 mil) to reduce contamination of underlying soil. Similar measures must be performed for “clean” soil stockpiles that are temporarily stored in an exclusion zone (e.g. on a COC-impacted ground surface). If the stockpile is located on pavement or concrete, then a liner is not required beneath the pile. If a COC-impacted stockpile will remain on-Site greater than 48 hours, plastic sheeting will be placed over the stockpile and sandbags will be placed around the stockpile to secure the plastic sheeting. While remaining on-site, stockpiles will be checked daily to verify that they are adequately covered.

Storm Water Protection

A storm water pollution prevention plan (SWPPP) should be implemented especially if construction occurs during the wet season. Storm water pollution controls are based on best management practices (BMPs), such as those described in “Information on Erosion and Sediment Control for Construction Projects: A Guidebook” (Water Board 1998) and “Erosion and Sediment Control Field Manual”, Third Edition (Water Board 1999). Sediment and erosion control procedures include, but are not limited to the following:

- Constructing temporary berms or erecting silt fences around exposed soil;
- Placing straw bale barriers or sediment traps around catch basins or other entrances to storm drains;
- Covering soil stockpiles with plastic sheeting or tarps during rainfall events; and Implementing other appropriate BMPs.

SWPPP implementation will be monitored by the general contractor’s Qualified Stormwater Professional (QSP).

Excavation Dewatering

Groundwater is not expected to be encountered during excavation activities. If excavation dewatering is required during excavation activities, the excavation contractor will be required to obtain a

Wastewater Discharge Permit. Groundwater samples will be analyzed for the analytical parameters required in the permit prior to and during (if required by the discharge permit) discharge to the sanitary sewer. If the pumped groundwater is treated prior to discharge, the treated water effluent will be sampled for the required analytical parameters, compared to the permitted discharge limits, and if any concentration limits are exceeded, the water will be treated and reanalyzed prior to discharge. If dewatering is required, a more detailed dewatering plan will be required.

Excavation Backfilling

The following general guidelines are provided for planning purposes. If a Geotechnical Investigation is provided for this project, those recommendations shall be followed.

Compaction Requirements

All fills will be placed in loose lifts eight inches (8") thick or less and compacted in accordance with ASTM D1557 (latest version) requirements and per the recommendations of the Geotechnical Engineer. In general, clayey soils should be compacted with sheepfoot equipment and sandy/gravelly soils with vibratory equipment; open-graded materials, such as crushed rock, should be placed in lifts no thicker than 18 inches, consolidated in place with vibratory equipment. Each lift of fill and all subgrade should be firm and unyielding under construction equipment loading in addition to meeting the compaction requirements (minimum relative compaction of 90 percent in the upper five feet (5') and 95 percent below five feet). The Contractor (with input from a geotechnical engineer representative) should evaluate the in-situ moisture conditions, as the use of vibratory equipment on soils with high moistures can cause unstable conditions.

Re-Use of On-Site Soils

Following consolidation of soil into the cap area as described in Section 8.3.3, the remaining onsite soils with an organic content less than three percent (3%) by weight may be reused as general fill. General fill should not have lumps, clods or cobble pieces larger than six inches (6") in diameter; 85 percent of the fill should be smaller than 2½ inches in diameter. Minor amounts of oversized material (smaller than 12 inches in diameter) may be allowed provided the oversized pieces are not allowed to nest together and the compaction method will allow for loosely placed lifts not exceeding 12 inches.

9. REMOVAL ACTION COMPLETION REPORT AND CERTIFICATION

After completion of soil removal activities, a Removal Action Completion Report will be prepared documenting the results of the work performed, describing any deviations from the approved RAW, and summarizing our conclusions and recommendations. The report will request certification from the city that the removal actions have been appropriately implemented. Conclusions and recommendations will be based on readily available information, observations of existing conditions, and interpretation of the analytical data. The report will include site plans showing all sampling locations, copies of laboratory reports, and copies of all soil disposal documentation.

10. USER RELIANCE

This report was prepared for the exclusive use of Ben Engelman. No other person or entity is entitled to rely upon this report without the specific written authorization of Enviro Assessment, PC. Such reliance is subject to the same limitations, terms, and conditions as the original contract with the client. Enviro Assess specifically disclaims any responsibility for any unauthorized use of this report.

11. LIMITATIONS

Our professional services were performed, our findings obtained, and our conclusions proposed in accordance with generally accepted principles and practices. This warranty is in lieu of all other warranties either expressed or implied. Test findings and statements of professional opinion do not constitute a guarantee or warranty, expressed or implied.

Opinions provided herein apply to the currently available data, and existing and reasonably foreseeable conditions at the time of this investigation. They cannot apply to changes in site conditions of which this office is unaware or has not had the opportunity to evaluate. Soil samples are collected from a small “representative area of soil”, these samples are assumed to represent the chemical makeup of the general area, and as such there may be variations in adjacent soils. To further reduce the clients’ liabilities, additional samples may be collected and analyzed to lower the possibility of generalizing the conditions and/or not locating an area of impacted soils at the site. Changes in conditions at the Subject Property may occur with time due to natural processes

or works of man on the Property or adjoining properties. Specifically, the Subject Property is still under active use and chemicals may be applied to the Subject Property between the date of this report and redevelopment.

Changes in applicable standards may also occur as a result of legislation or broadening of knowledge. Accordingly, findings of this report may be invalidated, wholly or in part, by changes beyond our control.

12. PROFESSIONAL SIGNATURE

We declare that to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property.

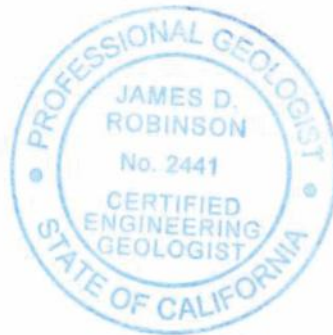
It has been a pleasure to be of service. If any questions arise, please contact our office.

Sincerely,

ENVIRO ASSESSMENT, PC



James D. Robinson
Signed on March 31, 2025
Professional Engineer and Geologist



APPENDIX

DECONTAMINATION PROCEDURES IN SOIL REMOVAL AREAS

1. The Contractor is responsible for constructing and maintaining decontamination area(s) to accommodate all loads, vehicles, equipment, and migration scenarios.
2. The Contractor is responsible for constructing the decontamination area adjacent to the Soil Removal Areas.
3. The Contractor must construct and maintain appropriately sized decontamination areas for its personnel. Personnel decontamination areas must be located within the contamination reduction zone and include those facilities necessary to decontaminate personnel upon exiting the work area (exclusion zone), in accordance with local, state, and federal laws and regulations. At a minimum, personnel decontamination areas must include run-on/run-off controls.
4. All construction vehicles leaving the Soil Removal Area must be decontaminated by the Contractor (as necessary) to prevent the tracking of soil off-Site (including vehicles transporting clean fill to the Site). Vehicles and equipment that come into contact with excavated or impacted materials at the Site must be visually inspected and decontaminated by the Contractor within the equipment decontamination area prior to handling backfill material or leaving the Site. Any vehicle soils or other debris must be promptly removed and disposed of in a manner consistent with the materials excavated.
5. Precautions must be taken to limit the contact between the vehicle/equipment, personnel performing the decontamination activities, and any decontamination liquids that may accumulate in the decontamination area. Personnel engaged in decontamination activities must use personal protective equipment, including disposable clothing, as required by the Contractor's Health and Safety Plan (HASP).
6. Wash water, solids, and other materials generated during decontamination activities must be collected by the Contractor and handled/managed in accordance local, state and federal regulations. Accumulated liquids must be removed by the Contractor on a periodic basis so as to not exceed the capacity of the decontamination area.



VICINITY MAP
7.5 MINUTE USGS TOPO MAP 2021



2025-03-014
March 31, 2025
PLATE: A1

REMOVAL ACTION WORKPLAN
MADERA DRIVE PROPERTY
10621 Madera Dr.,
Cupertino, CA 95014

ENVIRO
ASSESSMENT, PC
Environmental • Hydro • Geology
PHONE (844) 742-7311 FAX (877) 623-5493



Image © 2023 Airbus

SITE MAP

2023 - GOOGLE

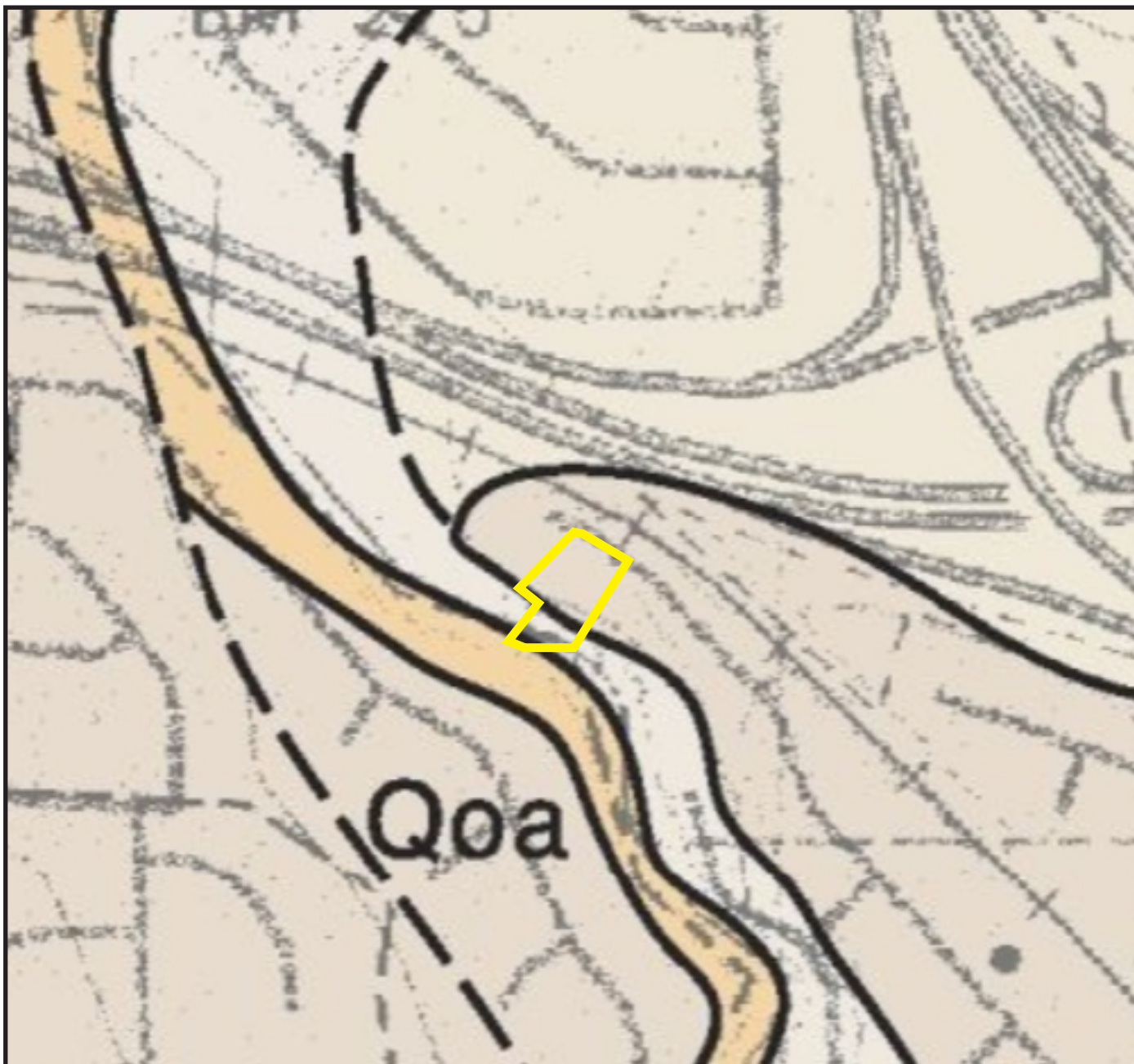


2025-03-014
March 31, 2025
PLATE: A2

REMOVAL ACTION WORKPLAN
MADERA DRIVE PROPERTY
10621 Madera Dr.,
Cupertino, CA 95014

ENVIRO
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Environmental • Hydro • Geology

PHONE (844) 742-7311 FAX (877) 623-5493



Site specific labeled Rock type as Qoa.
Qoa: Older Alluvial terrace gravel, sand, and clay, undeformed.

GEOLOGICAL MAP

Dibblee, Jr, 2007



2025-03-014
March 31, 2025
PLATE: A3

REMOVAL ACTION WORKPLAN
MADERA DRIVE PROPERTY
10621 Madera Dr.,
Cupertino, CA 95014

ENVIRO
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PHONE (844) 742-7311 FAX (877) 623-5493



Santa Clara Area, California Western Part (CA641)

Map unit	Map unit name	Acres in AOI	Percent of AOI
140	Urban Land-Flaskan complex, 0 to 2 percent slopes	0.6	60.8%
170	Urban Land-Landelspark complex, 0 to 2 percent slopes.	0.4	39.2%

SOIL MAP

NO SCALE



2025-03-014

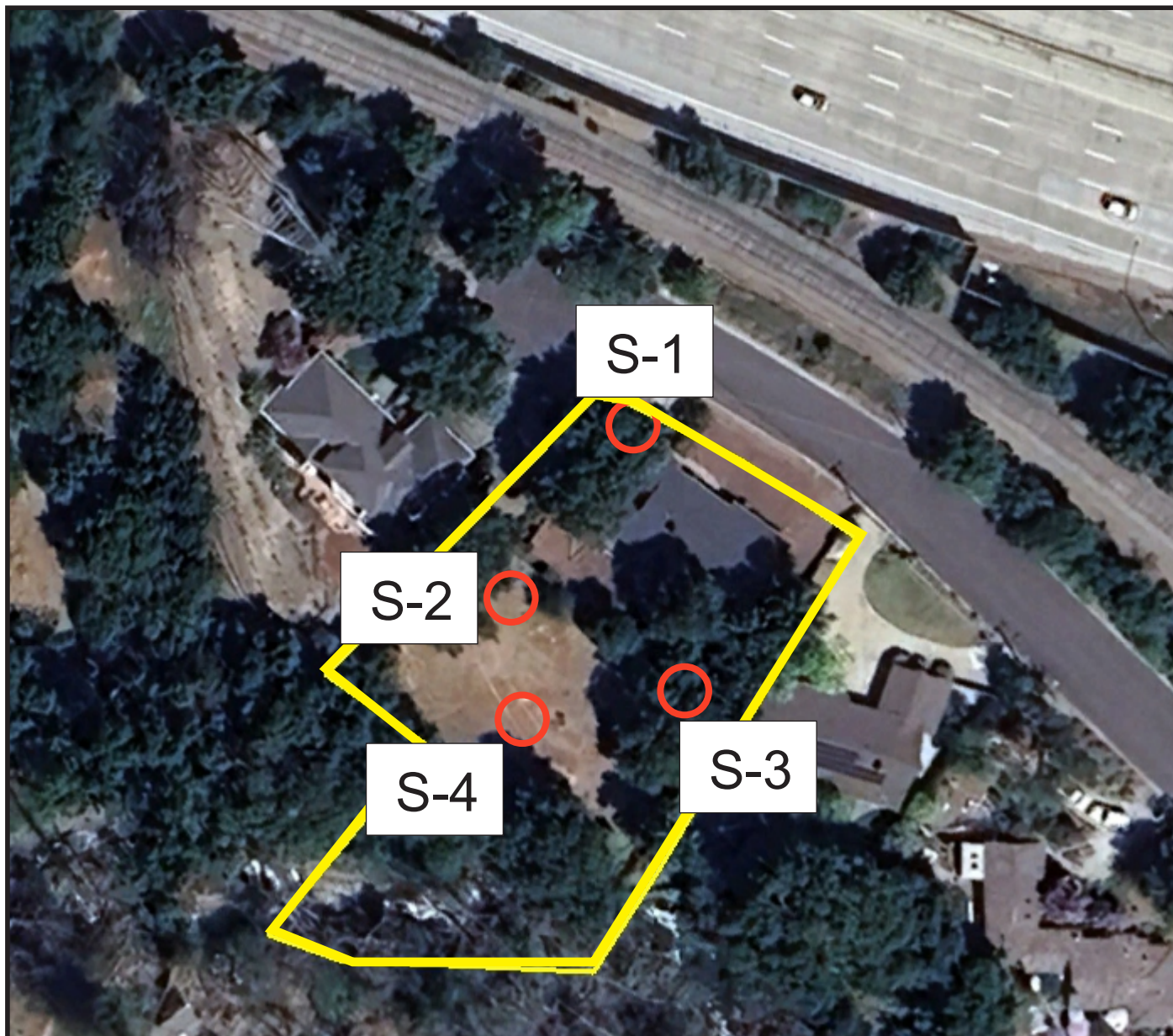
March 31, 2025

PLATE: A4

REMOVAL ACTION WORKPLAN
MADERA DRIVE PROPERTY
10621 Madera Dr.,
Cupertino, CA 95014

ENVIRO
ASSESSMENT, PC
Environmental • Hydro • Geology

PHONE (844) 742-7311 FAX (877) 623-5493



Samples take 4" to 6" in depth,
Silty Sand, slightly moist, loose.



SCREENING BOREHOLE LOCATIONS

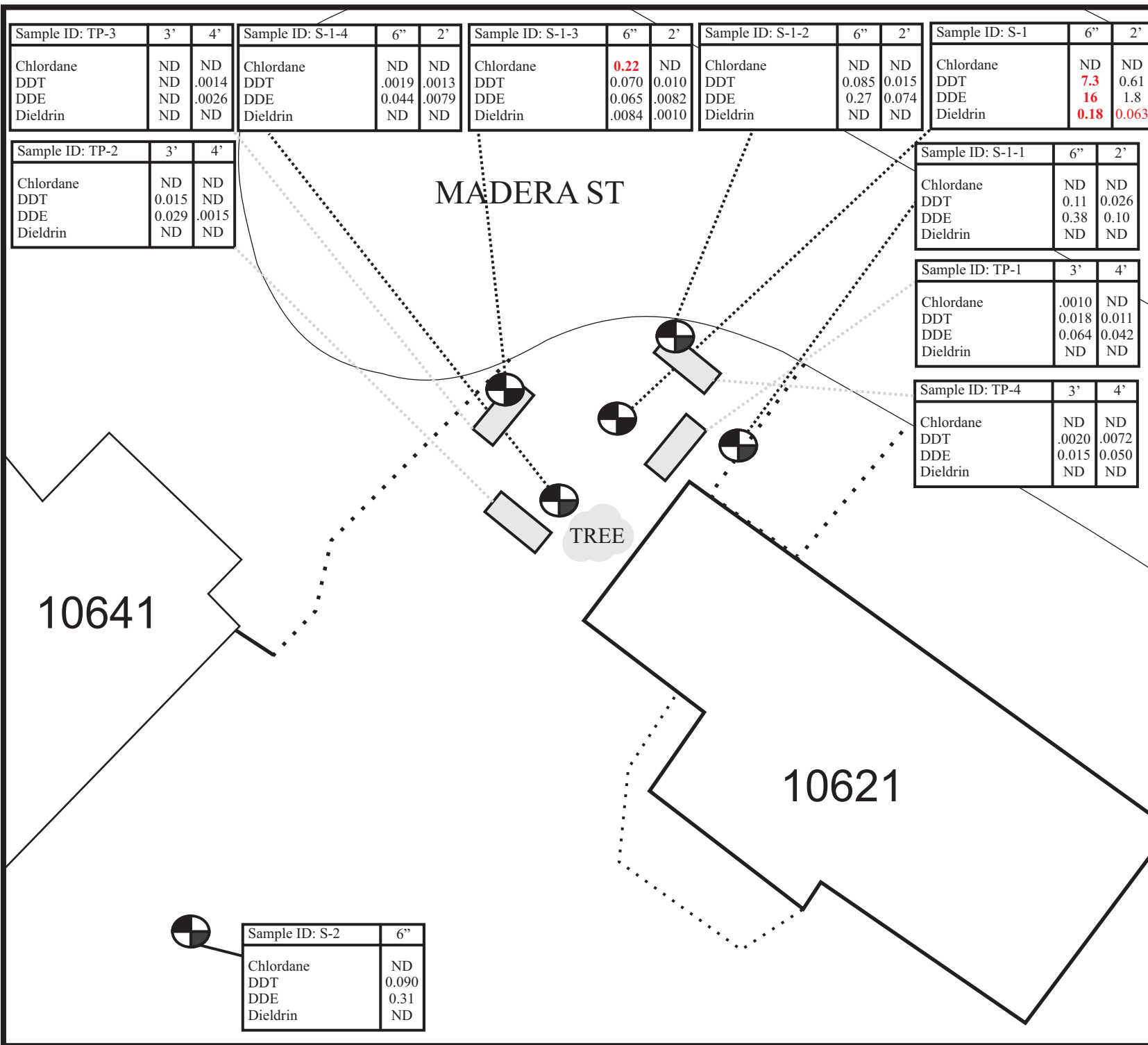
2021 - GOOGLE

2025-03-014
March 31, 2025
PLATE: A5

REMOVAL ACTION WORKPLAN
MADERA DRIVE PROPERTY
10621 Madera Dr.,
Cupertino, CA 95014

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Environmental • Hydro • Geology

PHONE (844) 742-7311 FAX (877) 623-5493



BOREHOLE MAP - ORIGINAL S-1 LOCATION
MADERA DRIVE PROPERTY
10621 MADERA DR.,
CUPERTINO, CA 95014

2025-01-004
January 19, 2025
PLATE: B1

Sample ID: RW-1	6"	2'
Chlordane	0.71	0.13
DDT	0.22	0.047
DDE	0.26	0.062
Dieldrin	ND	.0043

MADERA ST

Sample ID: RN-1	6"	2'
Chlordane	1.7	0.18
DDT	0.36	0.022
DDE	0.57	0.11
Dieldrin	0.036	.0039

Sample ID: RW-2	6"	2'	2' dup
Chlordane	0.73	ND	0.46
DDT	0.50	0.17	2.6
DDE	0.86	0.24	2.0
Dieldrin	ND	ND	ND

Sample ID: RN-2	6"	2'
Chlordane	ND	ND
DDT	0.035	.0036
DDE	0.15	0.015
Dieldrin	ND	ND

10641

TREE

Sample ID: RE-1	6"	2'
Chlordane	8.2	2.6
DDT	0.42	0.14
DDE	0.64	0.24
Dieldrin	0.12	0.023

10621

Sample ID: RE-2	6"	2'
Chlordane	2.1	0.17
DDT	0.086	.0082
DDE	0.33	0.038
Dieldrin	0.087	.0097

Sample ID: RS-1	6"	2'
Chlordane	0.89	0.47
DDT	0.13	0.052
DDE	0.41	0.18
Dieldrin	0.034	0.020

Sample ID: RS-2	6"	2'
Chlordane	1.1	0.32
DDT	0.099	0.027
DDE	0.44	0.012
Dieldrin	0.022	.0063

10601

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BOREHOLE MAP - HOUSE FOUNDATION
MADERA DRIVE PROPERTY
10621 MADERA DR.,
CUPERTINO, CA 95014

2025-01-004
January 19, 2025
PLATE: B2

Sample ID: TP-3	3'	4'	Sample ID: S-1-4	6"	2'	Sample ID: S-1-3	6"	2'	Sample ID: S-1-2	6"	2'	Sample ID: S-1	6"	2'
Chlordane	ND	ND	Chlordane	ND	ND	Chlordane	0.22	ND	Chlordane	ND	ND	Chlordane	ND	ND
DDT	ND	.0014	DDT	.0019	.0013	DDT	0.070	0.010	DDT	0.085	0.015	DDT	7.3	0.61
DDE	ND	.0026	DDE	0.044	.0079	DDE	0.065	.0082	DDE	0.27	0.074	DDE	16	1.8
Dieldrin	ND	ND	Dieldrin	ND	ND	Dieldrin	.0084	.0010	Dieldrin	ND	ND	Dieldrin	0.18	0.063

Sample ID: TP-2	3'	4'
Chlordane	ND	ND
DDT	0.015	ND
DDE	0.029	.0015
Dieldrin	ND	ND

Sample ID: S-1-1	6"	2'
Chlordane	ND	ND
DDT	0.11	0.026
DDE	0.38	0.10
Dieldrin	ND	ND

Sample ID: TP-1	3'	4'
Chlordane	.0010	ND
DDT	0.018	0.011
DDE	0.064	0.042
Dieldrin	ND	ND

Sample ID: TP-4	3'	4'
Chlordane	ND	ND
DDT	.0020	.0072
DDE	0.015	0.050
Dieldrin	ND	ND

Sample ID: S-2	6"
Chlordane	ND
DDT	0.090
DDE	0.31
Dieldrin	ND

MADERA ST

EAPC

TREE

10641

Excavation Area

Area around S-1 to a depth of 2 feet
Approx. 800 sq ft (surface) or 60 cu yards of soil to be excavated.
Confirmation samples to be collected at a rate of one per side wall at 6" and 1.5' and two at the base of the excavation.

10621

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REMOVAL ACTION - S-1 EXCAVATION
MADERA DRIVE PROPERTY
10621 MADERA DR.,
CUPERTINO, CA 95014

2025-03-014
March 28, 2025
PLATE: B3

Sample ID: RW-1	6"	2'
Chlordane	0.71	0.13
DDT	0.22	0.047
DDE	0.26	0.062
Dieldrin	ND	.0043

Sample ID: RW-2	6"	2'	2' dup
Chlordane	0.73	ND	0.46
DDT	0.50	0.17	2.6
DDE	0.86	0.24	2.0
Dieldrin	ND	ND	ND

Excavation Area

Area around house to a depth of 2 feet
Approx. 2500 sq ft (surface) or 185 cu yards of soil to be excavated.

Confirmation samples to be collected at a rate of one per side wall (every 40') at 6" and 1.5' and two at the base of the excavation per side.

Sample ID: RN-1	6"	2'
Chlordane	1.7	0.18
DDT	0.36	0.022
DDE	0.57	0.11
Dieldrin	0.036	.0039

Sample ID: RN-2	6"	2'
Chlordane	ND	ND
DDT	0.035	.0036
DDE	0.15	0.015
Dieldrin	ND	ND

Sample ID: RE-1	6"	2'
Chlordane	8.2	2.6
DDT	0.42	0.14
DDE	0.64	0.24
Dieldrin	0.12	0.023

Sample ID: RE-2	6"	2'
Chlordane	2.1	0.17
DDT	0.086	.0082
DDE	0.33	0.038
Dieldrin	0.087	.0097

Sample ID: RS-1	6"	2'
Chlordane	0.89	0.47
DDT	0.13	0.052
DDE	0.41	0.18
Dieldrin	0.034	0.020

Sample ID: RS-2	6"	2'
Chlordane	1.1	0.32
DDT	0.099	0.027
DDE	0.44	0.012
Dieldrin	0.022	.0063

10641

TREE

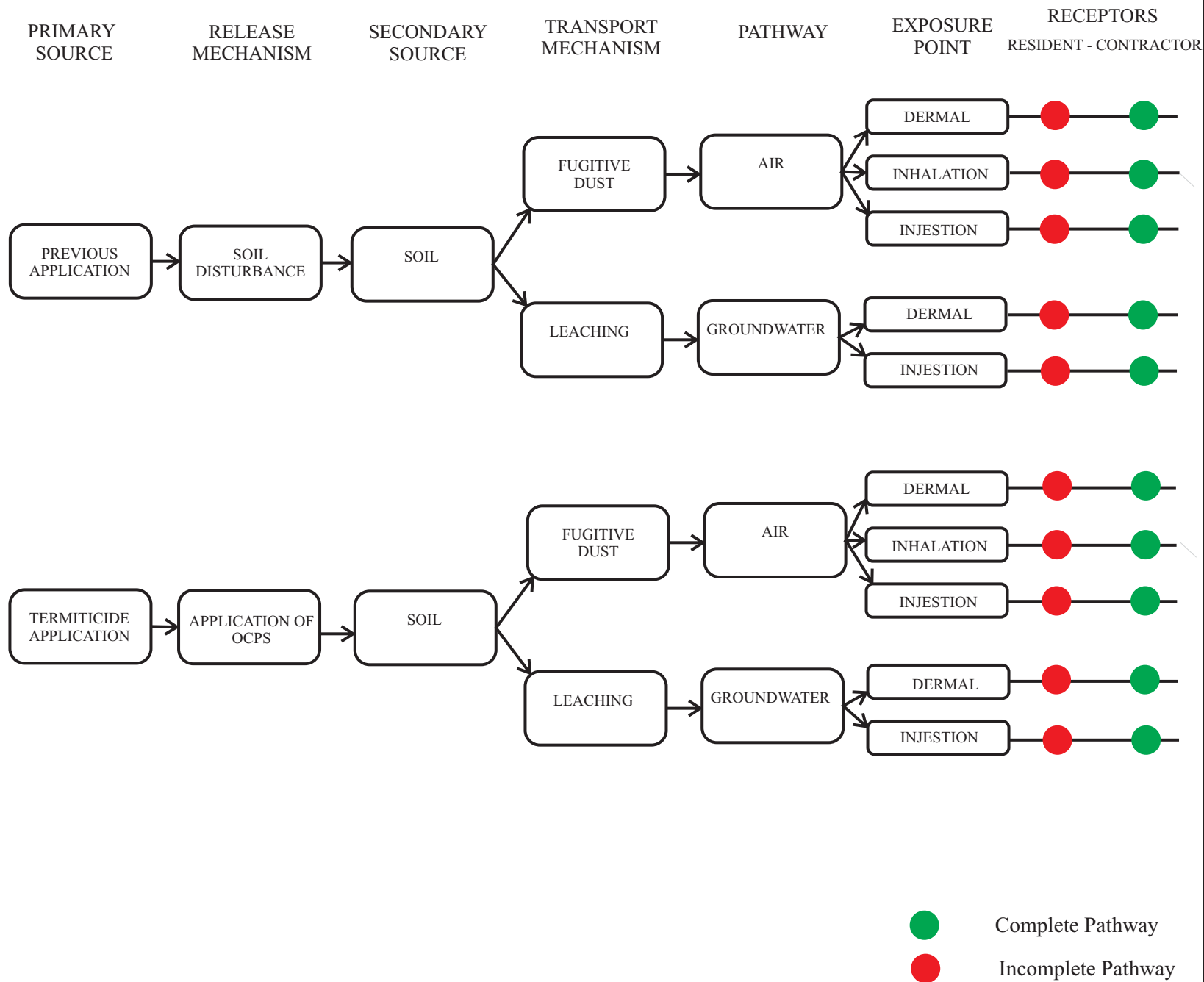
10621

10601

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REMOVAL ACTION - HOUSE EXCAVATION
MADERA DRIVE PROPERTY
10621 MADERA DR.,
CUPERTINO, CA 95014

2025-03-014
March 28, 2025
PLATE: B4



CONCEPTUAL SITE MODEL
 MADERA DRIVE PROPERTY
 10621 MADERA DR.,
 CUPERTINO, CA 95014

Sample ID: RW-1	6"	2'
Chlordane	0.71	0.13
DDT	0.22	0.047
DDE	0.26	0.062
Dieldrin	ND	.0043

Sample ID: RW-2	6"	2'	2' dup
Chlordane	0.73	ND	0.46
DDT	0.50	0.17	2.6
DDE	0.86	0.24	2.0
Dieldrin	ND	ND	ND

Sample ID: RN-1	6"	2'
Chlordane	1.7	0.18
DDT	0.36	0.022
DDE	0.57	0.11
Dieldrin	0.036	.0039

Sample ID: RN-2	6"	2'
Chlordane	ND	ND
DDT	0.035	.0036
DDE	0.15	0.015
Dieldrin	ND	ND

Sample ID: RE-1	6"	2'
Chlordane	8.2	2.6
DDT	0.42	0.14
DDE	0.64	0.24
Dieldrin	0.12	0.023

Sample ID: RE-2	6"	2'
Chlordane	2.1	0.17
DDT	0.086	.0082
DDE	0.33	0.038
Dieldrin	0.087	.0097

10641

TREE

10621

10601

Excavation Area

Area around house and S-1 to a depth of 1 foot
Approx. 122 cu yards of soil to be excavated.

Soil to be placed below future residential
building pads.

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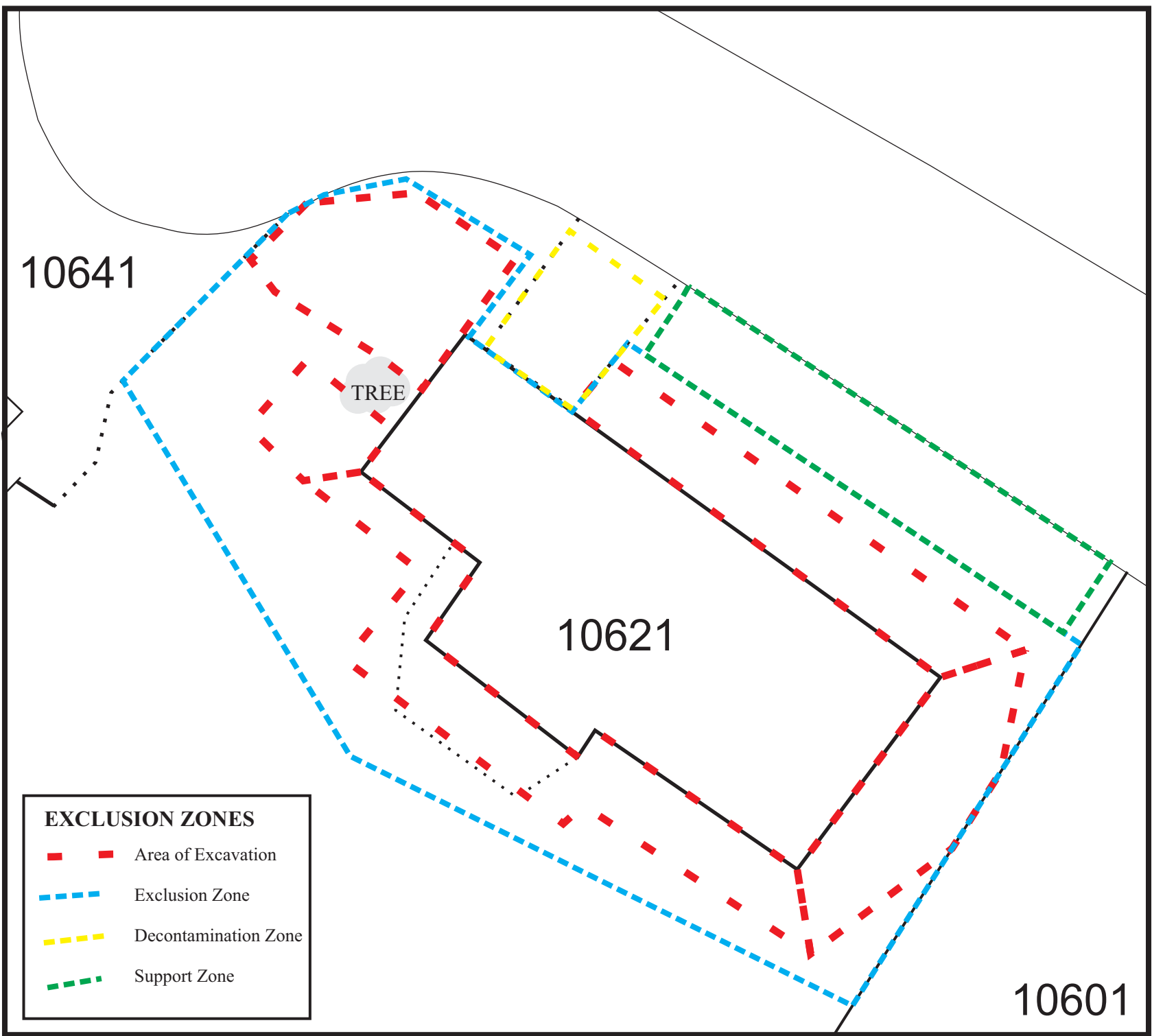
REMOVAL ACTION - ALTERNATIVE 2

MADERA DRIVE PROPERTY
10621 MADERA DR.,
CUPERTINO, CA 95014

2025-03-014

March 28, 2025

PLATE: B6



REMOVAL ACTION - EXCLUSION ZONES

MADERA DRIVE PROPERTY
10621 MADERA DR.,
CUPERTINO, CA 95014

2025-03-014
March 28, 2025
PLATE: B7



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2312834

Report Created for: Enviro Assessment PC

1869 E Seltice Way #570
Post Falls, ID 83854

Project Contact: Steven Robinson

Project P.O.:

Project: 2023-12-004; Madera Drive Phase II

Project Received: 12/13/2023

Analytical Report reviewed & approved for release on 12/20/2023 by:

Jennifer Lagerbom
Project Manager

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





Glossary of Terms & Qualifier Definitions

Client: Enviro Assessment PC

WorkOrder: 2312834

Project: 2023-12-004; Madera Drive Phase II

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range
SPK Val	Spike Value

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.



Glossary of Terms & Qualifier Definitions

Client: Enviro Assessment PC

WorkOrder: 2312834

Project: 2023-12-004; Madera Drive Phase II

SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	"Too Numerous to Count;" greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

P	Agreement between the quantitative dual-column confirmation results exceed method recommended limits of 40% RPD. The lowest concentration is reported.
a2	Sample diluted due to cluttered chromatogram.
a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.



Analytical Report

Client: Enviro Assessment PC
Date Received: 12/13/2023 9:37
Date Prepared: 12/13/2023
Project: 2023-12-004; Madera Drive Phase II

WorkOrder: 2312834
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1	2312834-001A	Soil	12/13/2023 07:30	GC23 12192378.d	283970

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.10	100	12/20/2023 03:27
a-BHC	ND		0.10	100	12/20/2023 03:27
b-BHC	ND		0.10	100	12/20/2023 03:27
d-BHC	ND		0.10	100	12/20/2023 03:27
g-BHC	ND		0.10	100	12/20/2023 03:27
Chlordane (Technical)	ND		2.5	100	12/20/2023 03:27
a-Chlordane	0.13	P	0.10	100	12/20/2023 03:27
g-Chlordane	0.30		0.10	100	12/20/2023 03:27
p,p-DDD	0.30	P	0.10	100	12/20/2023 03:27
p,p-DDE	16	P	0.10	100	12/20/2023 03:27
p,p-DDT	7.3		0.10	100	12/20/2023 03:27
Dieldrin	0.18		0.10	100	12/20/2023 03:27
Endosulfan I	0.12		0.10	100	12/20/2023 03:27
Endosulfan II	ND		0.10	100	12/20/2023 03:27
Endosulfan sulfate	ND		0.10	100	12/20/2023 03:27
Endrin	ND		0.10	100	12/20/2023 03:27
Endrin aldehyde	ND		0.10	100	12/20/2023 03:27
Endrin ketone	ND		0.10	100	12/20/2023 03:27
Heptachlor	ND		0.10	100	12/20/2023 03:27
Heptachlor epoxide	ND		0.10	100	12/20/2023 03:27
Hexachlorobenzene	ND		1.0	100	12/20/2023 03:27
Hexachlorocyclopentadiene	ND		2.0	100	12/20/2023 03:27
Methoxychlor	ND		0.10	100	12/20/2023 03:27
Toxaphene	ND		5.0	100	12/20/2023 03:27

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	94	60-130	12/20/2023 03:27
Analyst(s): CN		Analytical Comments: a2	

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 12/13/2023 9:37
Date Prepared: 12/13/2023
Project: 2023-12-004; Madera Drive Phase II

WorkOrder: 2312834
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-2	2312834-002A	Soil	12/13/2023 07:40	GC23 12182336.d	283970

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0050	5	12/18/2023 16:53
a-BHC	ND		0.0050	5	12/18/2023 16:53
b-BHC	ND		0.0050	5	12/18/2023 16:53
d-BHC	ND		0.0050	5	12/18/2023 16:53
g-BHC	ND		0.0050	5	12/18/2023 16:53
Chlordane (Technical)	ND		0.12	5	12/18/2023 16:53
a-Chlordane	0.012		0.0050	5	12/18/2023 16:53
g-Chlordane	0.016		0.0050	5	12/18/2023 16:53
p,p-DDD	0.0050	P	0.0050	5	12/18/2023 16:53
p,p-DDE	0.31		0.0050	5	12/18/2023 16:53
p,p-DDT	0.090		0.0050	5	12/18/2023 16:53
Dieldrin	ND		0.0050	5	12/18/2023 16:53
Endosulfan I	ND		0.0050	5	12/18/2023 16:53
Endosulfan II	ND		0.0050	5	12/18/2023 16:53
Endosulfan sulfate	ND		0.0050	5	12/18/2023 16:53
Endrin	ND		0.0050	5	12/18/2023 16:53
Endrin aldehyde	0.016		0.0050	5	12/18/2023 16:53
Endrin ketone	ND		0.0050	5	12/18/2023 16:53
Heptachlor	ND		0.0050	5	12/18/2023 16:53
Heptachlor epoxide	ND		0.0050	5	12/18/2023 16:53
Hexachlorobenzene	ND		0.050	5	12/18/2023 16:53
Hexachlorocyclopentadiene	ND		0.10	5	12/18/2023 16:53
Methoxychlor	ND		0.0050	5	12/18/2023 16:53
Toxaphene	ND		0.25	5	12/18/2023 16:53

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	79	60-130	12/18/2023 16:53
Analyst(s): CN		Analytical Comments: a2	

(Cont.)



Analytical Report

Client: Enviro Assessment PC
Date Received: 12/13/2023 9:37
Date Prepared: 12/13/2023
Project: 2023-12-004; Madera Drive Phase II

WorkOrder: 2312834
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-3	2312834-003A	Soil	12/13/2023 07:55	GC23 12142372.d	283970

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0050	5	12/15/2023 05:56
a-BHC	ND		0.0050	5	12/15/2023 05:56
b-BHC	ND		0.0050	5	12/15/2023 05:56
d-BHC	ND		0.0050	5	12/15/2023 05:56
g-BHC	ND		0.0050	5	12/15/2023 05:56
Chlordane (Technical)	0.57		0.12	5	12/15/2023 05:56
a-Chlordane	0.043		0.0050	5	12/15/2023 05:56
g-Chlordane	0.034	P	0.0050	5	12/15/2023 05:56
p,p-DDD	ND		0.0050	5	12/15/2023 05:56
p,p-DDE	0.47		0.0050	5	12/15/2023 05:56
p,p-DDT	0.22		0.0050	5	12/15/2023 05:56
Dieldrin	0.017		0.0050	5	12/15/2023 05:56
Endosulfan I	ND		0.0050	5	12/15/2023 05:56
Endosulfan II	ND		0.0050	5	12/15/2023 05:56
Endosulfan sulfate	ND		0.0050	5	12/15/2023 05:56
Endrin	ND		0.0050	5	12/15/2023 05:56
Endrin aldehyde	ND		0.0050	5	12/15/2023 05:56
Endrin ketone	ND		0.0050	5	12/15/2023 05:56
Heptachlor	ND		0.0050	5	12/15/2023 05:56
Heptachlor epoxide	ND		0.0050	5	12/15/2023 05:56
Hexachlorobenzene	ND		0.050	5	12/15/2023 05:56
Hexachlorocyclopentadiene	ND		0.10	5	12/15/2023 05:56
Methoxychlor	ND		0.0050	5	12/15/2023 05:56
Toxaphene	1.1		0.25	5	12/15/2023 05:56

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	89	60-130	12/15/2023 05:56
Analyst(s): CN		Analytical Comments: a3	

(Cont.)



Analytical Report

Client: Enviro Assessment PC
Date Received: 12/13/2023 9:37
Date Prepared: 12/13/2023
Project: 2023-12-004; Madera Drive Phase II

WorkOrder: 2312834
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-4	2312834-004A	Soil	12/13/2023 07:45	GC23 12142363.d	283970

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0020	2	12/15/2023 03:36
a-BHC	ND		0.0020	2	12/15/2023 03:36
b-BHC	ND		0.0020	2	12/15/2023 03:36
d-BHC	ND		0.0020	2	12/15/2023 03:36
g-BHC	ND		0.0020	2	12/15/2023 03:36
Chlordane (Technical)	0.15		0.050	2	12/15/2023 03:36
a-Chlordane	0.016		0.0020	2	12/15/2023 03:36
g-Chlordane	0.011	P	0.0020	2	12/15/2023 03:36
p,p-DDD	ND		0.0020	2	12/15/2023 03:36
p,p-DDE	0.11		0.0020	2	12/15/2023 03:36
p,p-DDT	0.062		0.0020	2	12/15/2023 03:36
Dieldrin	0.0040		0.0020	2	12/15/2023 03:36
Endosulfan I	0.0029	P	0.0020	2	12/15/2023 03:36
Endosulfan II	ND		0.0020	2	12/15/2023 03:36
Endosulfan sulfate	0.0027		0.0020	2	12/15/2023 03:36
Endrin	ND		0.0020	2	12/15/2023 03:36
Endrin aldehyde	ND		0.0020	2	12/15/2023 03:36
Endrin ketone	ND		0.0020	2	12/15/2023 03:36
Heptachlor	ND		0.0020	2	12/15/2023 03:36
Heptachlor epoxide	ND		0.0020	2	12/15/2023 03:36
Hexachlorobenzene	ND		0.020	2	12/15/2023 03:36
Hexachlorocyclopentadiene	ND		0.040	2	12/15/2023 03:36
Methoxychlor	ND		0.0020	2	12/15/2023 03:36
Toxaphene	ND		0.10	2	12/15/2023 03:36

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	76	60-130	12/15/2023 03:36
Analyst(s): CN		Analytical Comments: a3	



Analytical Report

Client: Enviro Assessment PC
Date Received: 12/13/2023 9:37
Date Prepared: 12/13/2023
Project: 2023-12-004; Madera Drive Phase II

WorkOrder: 2312834
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1	2312834-001A	Soil	12/13/2023 07:30	ICP-MS4 175SMPL.d	283940

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Arsenic	6.4	0.50	1	12/13/2023 21:32

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	103	70-130	12/13/2023 21:32

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-2	2312834-002A	Soil	12/13/2023 07:40	ICP-MS4 176SMPL.d	283940

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Arsenic	7.8	0.50	1	12/13/2023 21:36

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	103	70-130	12/13/2023 21:36

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-3	2312834-003A	Soil	12/13/2023 07:55	ICP-MS4 177SMPL.d	283940

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Arsenic	5.4	0.50	1	12/13/2023 21:40

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	101	70-130	12/13/2023 21:40

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-4	2312834-004A	Soil	12/13/2023 07:45	ICP-MS4 178SMPL.d	283940

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Arsenic	5.1	0.50	1	12/13/2023 21:44

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	103	70-130	12/13/2023 21:44

Analyst(s): DB



Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 12/13/2023
Date Analyzed: 12/14/2023 - 12/15/2023
Instrument: GC23, GC40
Matrix: Soil
Project: 2023-12-004; Madera Drive Phase II

WorkOrder: 2312834
BatchID: 283970
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg
Sample ID: MB/LCS/LCSD-283970

QC Summary Report for SW8081B

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.00039	0.0010	-	-	-
a-BHC	ND	0.00049	0.0010	-	-	-
b-BHC	ND	0.00027	0.0010	-	-	-
d-BHC	ND	0.00033	0.0010	-	-	-
g-BHC	ND	0.00033	0.0010	-	-	-
Chlordane (Technical)	ND	0.012	0.025	-	-	-
a-Chlordane	ND	0.00043	0.0010	-	-	-
g-Chlordane	ND	0.00034	0.0010	-	-	-
p,p-DDD	ND	0.00041	0.0010	-	-	-
p,p-DDE	ND	0.00029	0.0010	-	-	-
p,p-DDT	ND	0.00039	0.0010	-	-	-
Dieldrin	ND	0.00038	0.0010	-	-	-
Endosulfan I	ND	0.00035	0.0010	-	-	-
Endosulfan II	ND	0.00033	0.0010	-	-	-
Endosulfan sulfate	ND	0.00040	0.0010	-	-	-
Endrin	ND	0.00038	0.0010	-	-	-
Endrin aldehyde	ND	0.00044	0.0010	-	-	-
Endrin ketone	ND	0.00029	0.0010	-	-	-
Heptachlor	ND	0.00030	0.0010	-	-	-
Heptachlor epoxide	ND	0.00030	0.0010	-	-	-
Hexachlorobenzene	ND	0.00070	0.010	-	-	-
Hexachlorocyclopentadiene	ND	0.00052	0.020	-	-	-
Methoxychlor	ND	0.00045	0.0010	-	-	-
Toxaphene	ND	0.033	0.050	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.037			0.05	74	70-130

(Cont.)



Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 12/13/2023
Date Analyzed: 12/14/2023 - 12/15/2023
Instrument: GC23, GC40
Matrix: Soil
Project: 2023-12-004; Madera Drive Phase II

WorkOrder: 2312834
BatchID: 283970
Extraction Method: SW3550B
Analytical Method: SW8081A
Unit: mg/kg
Sample ID: MB/LCS/LCSD-283970

QC Summary Report for SW8081B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.053	0.053	0.050	105	106	70-130	0.385	20
a-BHC	0.060	0.060	0.050	120	120	70-130	0.285	20
b-BHC	0.049	0.048	0.050	98	95	70-130	2.50	20
d-BHC	0.054	0.052	0.050	107	105	70-130	2.59	20
g-BHC	0.056	0.055	0.050	111	110	70-130	1.43	20
a-Chlordane	0.049	0.048	0.050	99	95	70-130	3.73	20
g-Chlordane	0.055	0.053	0.050	110	107	70-130	3.23	20
p,p-DDD	0.050	0.048	0.050	100	96	70-130	4.18	20
p,p-DDE	0.049	0.047	0.050	99	94	70-130	4.35	20
p,p-DDT	0.056	0.054	0.050	112	108	70-130	3.79	20
Dieldrin	0.047	0.045	0.050	93	90	70-130	3.54	20
Endosulfan I	0.048	0.047	0.050	96	93	70-130	2.68	20
Endosulfan II	0.047	0.045	0.050	93	90	70-130	3.73	20
Endosulfan sulfate	0.050	0.048	0.050	99	97	70-130	2.21	20
Endrin	0.056	0.054	0.050	111	108	70-130	3.35	20
Endrin aldehyde	0.047	0.044	0.050	94	88	70-130	6.95	20
Endrin ketone	0.046	0.044	0.050	92	88	70-130	3.78	20
Heptachlor	0.057	0.056	0.050	114	112	70-130	1.85	20
Heptachlor epoxide	0.048	0.047	0.050	97	95	70-130	2.40	20
Hexachlorobenzene	0.054	0.053	0.050	108	105	70-130	2.71	20
Hexachlorocyclopentadiene	0.051	0.050	0.050	102	99	50-130	2.56	20
Methoxychlor	0.048	0.046	0.050	96	93	70-130	3.76	20
Surrogate Recovery								
Decachlorobiphenyl	0.039	0.038	0.050	77	76	70-130	1.98	20



Quality Control Report

Client:	Enviro Assessment PC	WorkOrder:	2312834
Date Prepared:	12/13/2023	BatchID:	283940
Date Analyzed:	12/13/2023	Extraction Method:	SW3050B
Instrument:	ICP-MS4	Analytical Method:	SW6020
Matrix:	Soil	Unit:	mg/kg
Project:	2023-12-004; Madera Drive Phase II	Sample ID:	MB/LCS/LCSD-283940

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.084	0.50	-	-	-
Surrogate Recovery						
Terbium	510			500	103	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	48	48	50	96	97	75-125	0.831	20
Surrogate Recovery								
Terbium	510	510	500	102	101	70-130	0.599	20



CHAIN-OF-CUSTODY RECORD

WorkOrder: 2312834

ClientCode: EAVS

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

Report to:

Steven Robinson
Enviro Assessment PC
1869 E Seltice Way #570
Post Falls, ID 83854
877-629-6838 FAX: 877-623-5493Email: steven@enviroassess.com
cc/3rd Party:
PO:
Project: 2023-12-004; Madera Drive Phase II

Bill to:

James Robinson
Enviro Assess
1869 E Seltice Way #570
Post Falls, ID 83854
james@enviroassess.com; fabiola@env

Requested TAT: 5 days;

Date Received: 12/13/2023

Date Logged: 12/13/2023

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2312834-001	S-1	Soil	12/13/2023 07:30	☐	A	A	A									
2312834-002	S-2	Soil	12/13/2023 07:40	☐	A	A	A									
2312834-003	S-3	Soil	12/13/2023 07:55	☐	A	A	A									
2312834-004	S-4	Soil	12/13/2023 07:45	☐	A	A	A									

Test Legend:

1	8081_S
5	
9	

2	METALSMS_TTLC_S
6	
10	

3	PRDisposal Fee
7	
11	

4	
8	
12	

Prepared by: Agustina Venegas

Comments:

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



WORK ORDER SUMMARY

Client Name: ENVIRO ASSESSMENT PC

Project: 2023-12-004; Madera Drive Phase II

Work Order: 2312834

Client Contact: Steven Robinson

QC Level: LEVEL 2

Contact's Email: steven@enviroassess.com

Comments:

Date Logged: 12/13/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☒ EQUIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	S-1	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Small	☐	☐	☐	12/13/2023 7:30	5 days	12/20/2023		☐	☐
			SW8081 (OC Pesticides)			☐	☐	☐		5 days	12/20/2023		☐	☐
002A	S-2	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Small	☐	☐	☐	12/13/2023 7:40	5 days	12/20/2023		☐	☐
			SW8081 (OC Pesticides)			☐	☐	☐		5 days	12/20/2023		☐	☐
003A	S-3	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Small	☐	☐	☐	12/13/2023 7:55	5 days	12/20/2023		☐	☐
			SW8081 (OC Pesticides)			☐	☐	☐		5 days	12/20/2023		☐	☐
004A	S-4	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Small	☐	☐	☐	12/13/2023 7:45	5 days	12/20/2023		☐	☐
			SW8081 (OC Pesticides)			☐	☐	☐		5 days	12/20/2023		☐	☐

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

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

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

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

2312834

**McCAMPBELL ANALYTICAL, INC.**

1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701

Telephone: (877) 252-9262 / Fax: (925) 252-9269

www.mccampbell.commain@mccampbell.com**CHAIN OF CUSTODY RECORD**

Turn Around Time: 1 Day Rush	2 Day Rush	3 Day Rush	STD	Quote #
J-Flag / MDL	ESL	Cleanup Approved	Dry Weight	Bottle Order #
Delivery Format: PDF	GeoTracker EDF	EDD	Write On (DW)	Detect Summary

Report To: Steven Robinson Bill To: Enviro Assessment PC

Company: Enviro Assessment PC

Address: 1869 E Seltice Way #570, Post Falls, ID 83854

Email: Steven@enviroassess.com

Tele: 8447427311

Project Name: Madera Drive Phase II

Project #: 2023-12-004

Project Location: Cupertino CA

PO #

Sampler Signature: *Steve Ashe***Analysis Requested**

SAMPLE ID Location / Field Point	Sampling		#Containers	Matrix	Preservative	Multi Range as Gas, Diesel, and Motor Oil (8021/8015)	BTEX & TPH as Gas (8021/8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (CI Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)*	Baylands Requirements	Lab to filter sample for dissolved metals analysis	Arsenic
	Date	Time																				
S-1	12/13/23	0730	1	Soil	7								●									●
S-2	12/13/23	0740	1	Soil	7								●									●
S-3	12/13/23	0755	1	Soil	7								●									●
S-4	12/13/23	0745	1	Soil	7								●									●

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time	Comments / Instructions
<i>Steve Ashe</i>	12/13/23	0737	<i>CAUSTIN - 12/13/23</i>	12/13/23	0737	

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 10.2°C Initials NOICE



Sample Receipt Checklist

Client Name: Enviro Assessment PC
Project: 2023-12-004; Madera Drive Phase II

Date and Time Received: 12/13/2023 09:37

Date Logged: 12/13/2023

Received by: Agustina Venegas

Logged by: Agustina Venegas

WorkOrder №: 2312834 Matrix: Soil
Carrier: Client Drop-In

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☒	No ☐	NA ☐
Samples Received on Ice?	Yes ☐	No ☒	

Sample/Temp Blank temperature	Temp: 16.2°C	NA ☐
-------------------------------	--------------	-----------------------------

ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☐	No ☐	NA ☒
--	------------------------------	-----------------------------	--

Sample labels checked for correct preservation?	Yes ☒	No ☐	
---	---	-----------------------------	--

pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☒
--	------------------------------	-----------------------------	--

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐	No ☐	NA ☒
--	------------------------------	-----------------------------	--

Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐	No ☐	NA ☒
--	------------------------------	-----------------------------	--

Comments:



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2501D62

Report Created for: Enviro Assessment PC

1869 E Seltice Way #570
Post Falls, ID 83854

Project Contact: James Robinson

Project P.O.:

Project: 2024-12-14; Madera Drive Property

Project Location: Cupertino, CA

Project Received: 01/23/2025

Analytical Report reviewed & approved for release on 01/30/2025 by:

Tracy Babjar
Project Manager

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





Glossary of Terms & Qualifier Definitions

Client: Enviro Assessment PC

WorkOrder: 2501D62

Project: 2024-12-14; Madera Drive Property

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.



Glossary of Terms & Qualifier Definitions

Client: Enviro Assessment PC

WorkOrder: 2501D62

Project: 2024-12-14; Madera Drive Property

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	"Too Numerous to Count;" greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

P	Agreement between the quantitative dual-column confirmation results exceed method recommended limits of 40% RPD. The lowest concentration is reported.
a2	Sample diluted due to cluttered chromatogram.
a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.

Quality Control Qualifiers

F1	MS/MSD recovery and/or RPD is out of acceptance criteria.
F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/23/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-1@6"	2501D62-001A	Soil	01/23/2025 09:04	GC40 01272552.d	310055

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0010	1	01/27/2025 23:47
a-BHC	ND		0.0010	1	01/27/2025 23:47
b-BHC	ND		0.0010	1	01/27/2025 23:47
d-BHC	ND		0.0010	1	01/27/2025 23:47
g-BHC	ND		0.0010	1	01/27/2025 23:47
Chlordane (Technical)	ND		0.025	1	01/27/2025 23:47
a-Chlordane	0.0028		0.0010	1	01/27/2025 23:47
g-Chlordane	0.0036	P	0.0010	1	01/27/2025 23:47
p,p-DDD	0.0068	P	0.0010	1	01/27/2025 23:47
p,p-DDE	0.38		0.0010	1	01/27/2025 23:47
p,p-DDT	0.11		0.0010	1	01/27/2025 23:47
Dieldrin	ND		0.0010	1	01/27/2025 23:47
Endosulfan I	ND		0.0010	1	01/27/2025 23:47
Endosulfan II	ND		0.0010	1	01/27/2025 23:47
Endosulfan sulfate	ND		0.0010	1	01/27/2025 23:47
Endrin	ND		0.0010	1	01/27/2025 23:47
Endrin aldehyde	ND		0.0010	1	01/27/2025 23:47
Endrin ketone	ND		0.0010	1	01/27/2025 23:47
Heptachlor	ND		0.0010	1	01/27/2025 23:47
Heptachlor epoxide	ND		0.0010	1	01/27/2025 23:47
Hexachlorobenzene	ND		0.010	1	01/27/2025 23:47
Hexachlorocyclopentadiene	ND		0.020	1	01/27/2025 23:47
Methoxychlor	ND		0.0010	1	01/27/2025 23:47
Toxaphene	ND		0.20	1	01/27/2025 23:47

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	93	60-130	01/27/2025 23:47

Analyst(s): EEV

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/23/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-1@2'	2501D62-002A	Soil	01/23/2025 10:10	GC40 01272555.d	310055

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0010	1	01/28/2025 00:31
a-BHC	ND		0.0010	1	01/28/2025 00:31
b-BHC	ND		0.0010	1	01/28/2025 00:31
d-BHC	ND		0.0010	1	01/28/2025 00:31
g-BHC	ND		0.0010	1	01/28/2025 00:31
Chlordane (Technical)	ND		0.025	1	01/28/2025 00:31
a-Chlordane	ND		0.0010	1	01/28/2025 00:31
g-Chlordane	0.0013		0.0010	1	01/28/2025 00:31
p,p-DDD	0.0020	P	0.0010	1	01/28/2025 00:31
p,p-DDE	0.10		0.0010	1	01/28/2025 00:31
p,p-DDT	0.026		0.0010	1	01/28/2025 00:31
Dieldrin	ND		0.0010	1	01/28/2025 00:31
Endosulfan I	ND		0.0010	1	01/28/2025 00:31
Endosulfan II	ND		0.0010	1	01/28/2025 00:31
Endosulfan sulfate	ND		0.0010	1	01/28/2025 00:31
Endrin	ND		0.0010	1	01/28/2025 00:31
Endrin aldehyde	ND		0.0010	1	01/28/2025 00:31
Endrin ketone	ND		0.0010	1	01/28/2025 00:31
Heptachlor	ND		0.0010	1	01/28/2025 00:31
Heptachlor epoxide	ND		0.0010	1	01/28/2025 00:31
Hexachlorobenzene	ND		0.010	1	01/28/2025 00:31
Hexachlorocyclopentadiene	ND		0.020	1	01/28/2025 00:31
Methoxychlor	ND		0.0010	1	01/28/2025 00:31
Toxaphene	ND		0.20	1	01/28/2025 00:31

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	96	60-130	01/28/2025 00:31
Analyst(s): EEV			

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/23/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-2@6"	2501D62-003A	Soil	01/23/2025 09:30	GC40 01272556.d	310055

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.0010	1	01/28/2025 00:46
a-BHC	ND	0.0010	1	01/28/2025 00:46
b-BHC	ND	0.0010	1	01/28/2025 00:46
d-BHC	ND	0.0010	1	01/28/2025 00:46
g-BHC	ND	0.0010	1	01/28/2025 00:46
Chlordane (Technical)	ND	0.025	1	01/28/2025 00:46
a-Chlordane	0.0072	0.0010	1	01/28/2025 00:46
g-Chlordane	0.012	0.0010	1	01/28/2025 00:46
p,p-DDD	ND	0.0010	1	01/28/2025 00:46
p,p-DDE	0.27	0.0010	1	01/28/2025 00:46
p,p-DDT	0.085	0.0010	1	01/28/2025 00:46
Dieldrin	ND	0.0010	1	01/28/2025 00:46
Endosulfan I	ND	0.0010	1	01/28/2025 00:46
Endosulfan II	ND	0.0010	1	01/28/2025 00:46
Endosulfan sulfate	ND	0.0010	1	01/28/2025 00:46
Endrin	ND	0.0010	1	01/28/2025 00:46
Endrin aldehyde	ND	0.0010	1	01/28/2025 00:46
Endrin ketone	ND	0.0010	1	01/28/2025 00:46
Heptachlor	ND	0.0010	1	01/28/2025 00:46
Heptachlor epoxide	ND	0.0010	1	01/28/2025 00:46
Hexachlorobenzene	ND	0.010	1	01/28/2025 00:46
Hexachlorocyclopentadiene	ND	0.020	1	01/28/2025 00:46
Methoxychlor	ND	0.0010	1	01/28/2025 00:46
Toxaphene	ND	0.20	1	01/28/2025 00:46

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	93	60-130	01/28/2025 00:46

Analyst(s): EEV

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CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/23/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-2@2'	2501D62-004A	Soil	01/23/2025 10:50	GC40 01272557.d	310055

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0010	1	01/28/2025 01:00
a-BHC	ND		0.0010	1	01/28/2025 01:00
b-BHC	ND		0.0010	1	01/28/2025 01:00
d-BHC	ND		0.0010	1	01/28/2025 01:00
g-BHC	ND		0.0010	1	01/28/2025 01:00
Chlordane (Technical)	ND		0.025	1	01/28/2025 01:00
a-Chlordane	0.0010		0.0010	1	01/28/2025 01:00
g-Chlordane	0.0011	P	0.0010	1	01/28/2025 01:00
p,p-DDD	ND		0.0010	1	01/28/2025 01:00
p,p-DDE	0.074		0.0010	1	01/28/2025 01:00
p,p-DDT	0.015		0.0010	1	01/28/2025 01:00
Dieldrin	ND		0.0010	1	01/28/2025 01:00
Endosulfan I	ND		0.0010	1	01/28/2025 01:00
Endosulfan II	ND		0.0010	1	01/28/2025 01:00
Endosulfan sulfate	ND		0.0010	1	01/28/2025 01:00
Endrin	ND		0.0010	1	01/28/2025 01:00
Endrin aldehyde	ND		0.0010	1	01/28/2025 01:00
Endrin ketone	ND		0.0010	1	01/28/2025 01:00
Heptachlor	ND		0.0010	1	01/28/2025 01:00
Heptachlor epoxide	ND		0.0010	1	01/28/2025 01:00
Hexachlorobenzene	ND		0.010	1	01/28/2025 01:00
Hexachlorocyclopentadiene	ND		0.020	1	01/28/2025 01:00
Methoxychlor	ND		0.0010	1	01/28/2025 01:00
Toxaphene	ND		0.20	1	01/28/2025 01:00

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	101	60-130	01/28/2025 01:00

Analyst(s): EEV

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/23/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-3@6"	2501D62-005A	Soil	01/23/2025 09:35	GC40 01272558.d	310055

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.0050	5	01/28/2025 01:15
a-BHC	ND	0.0050	5	01/28/2025 01:15
b-BHC	ND	0.0050	5	01/28/2025 01:15
d-BHC	ND	0.0050	5	01/28/2025 01:15
g-BHC	ND	0.0050	5	01/28/2025 01:15
Chlordane (Technical)	0.22	0.12	5	01/28/2025 01:15
a-Chlordane	0.015	0.0050	5	01/28/2025 01:15
g-Chlordane	0.024	0.0050	5	01/28/2025 01:15
p,p-DDD	ND	0.0050	5	01/28/2025 01:15
p,p-DDE	0.065	0.0050	5	01/28/2025 01:15
p,p-DDT	0.070	0.0050	5	01/28/2025 01:15
Dieldrin	0.0084	0.0050	5	01/28/2025 01:15
Endosulfan I	ND	0.0050	5	01/28/2025 01:15
Endosulfan II	ND	0.0050	5	01/28/2025 01:15
Endosulfan sulfate	ND	0.0050	5	01/28/2025 01:15
Endrin	ND	0.0050	5	01/28/2025 01:15
Endrin aldehyde	0.0058	0.0050	5	01/28/2025 01:15
Endrin ketone	ND	0.0050	5	01/28/2025 01:15
Heptachlor	ND	0.0050	5	01/28/2025 01:15
Heptachlor epoxide	ND	0.0050	5	01/28/2025 01:15
Hexachlorobenzene	ND	0.050	5	01/28/2025 01:15
Hexachlorocyclopentadiene	ND	0.10	5	01/28/2025 01:15
Methoxychlor	ND	0.0050	5	01/28/2025 01:15
Toxaphene	ND	1.0	5	01/28/2025 01:15

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	114	60-130	01/28/2025 01:15
Analyst(s): EEV		Analytical Comments: a3	

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CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/23/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-3@2'	2501D62-006A	Soil	01/23/2025 10:40	GC40 01272563.d	310055

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0010	1	01/28/2025 02:28
a-BHC	ND		0.0010	1	01/28/2025 02:28
b-BHC	ND		0.0010	1	01/28/2025 02:28
d-BHC	ND		0.0010	1	01/28/2025 02:28
g-BHC	ND		0.0010	1	01/28/2025 02:28
Chlordane (Technical)	ND		0.025	1	01/28/2025 02:28
a-Chlordane	0.0019		0.0010	1	01/28/2025 02:28
g-Chlordane	0.0031	P	0.0010	1	01/28/2025 02:28
p,p-DDD	ND		0.0010	1	01/28/2025 02:28
p,p-DDE	0.0082		0.0010	1	01/28/2025 02:28
p,p-DDT	0.010		0.0010	1	01/28/2025 02:28
Dieldrin	0.0010		0.0010	1	01/28/2025 02:28
Endosulfan I	ND		0.0010	1	01/28/2025 02:28
Endosulfan II	ND		0.0010	1	01/28/2025 02:28
Endosulfan sulfate	ND		0.0010	1	01/28/2025 02:28
Endrin	ND		0.0010	1	01/28/2025 02:28
Endrin aldehyde	ND		0.0010	1	01/28/2025 02:28
Endrin ketone	ND		0.0010	1	01/28/2025 02:28
Heptachlor	ND		0.0010	1	01/28/2025 02:28
Heptachlor epoxide	ND		0.0010	1	01/28/2025 02:28
Hexachlorobenzene	ND		0.010	1	01/28/2025 02:28
Hexachlorocyclopentadiene	ND		0.020	1	01/28/2025 02:28
Methoxychlor	0.0015		0.0010	1	01/28/2025 02:28
Toxaphene	ND		0.20	1	01/28/2025 02:28

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	88	60-130	01/28/2025 02:28

Analyst(s): EEV

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CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/23/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-4@6"	2501D62-007A	Soil	01/23/2025 09:45	GC40 01272564.d	310055

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0010	1	01/28/2025 02:43
a-BHC	ND		0.0010	1	01/28/2025 02:43
b-BHC	ND		0.0010	1	01/28/2025 02:43
d-BHC	ND		0.0010	1	01/28/2025 02:43
g-BHC	ND		0.0010	1	01/28/2025 02:43
Chlordane (Technical)	ND		0.025	1	01/28/2025 02:43
a-Chlordane	0.0014		0.0010	1	01/28/2025 02:43
g-Chlordane	0.0017		0.0010	1	01/28/2025 02:43
p,p-DDD	0.0013	P	0.0010	1	01/28/2025 02:43
p,p-DDE	0.044		0.0010	1	01/28/2025 02:43
p,p-DDT	0.019		0.0010	1	01/28/2025 02:43
Dieldrin	ND		0.0010	1	01/28/2025 02:43
Endosulfan I	ND		0.0010	1	01/28/2025 02:43
Endosulfan II	ND		0.0010	1	01/28/2025 02:43
Endosulfan sulfate	ND		0.0010	1	01/28/2025 02:43
Endrin	ND		0.0010	1	01/28/2025 02:43
Endrin aldehyde	ND		0.0010	1	01/28/2025 02:43
Endrin ketone	ND		0.0010	1	01/28/2025 02:43
Heptachlor	ND		0.0010	1	01/28/2025 02:43
Heptachlor epoxide	ND		0.0010	1	01/28/2025 02:43
Hexachlorobenzene	ND		0.010	1	01/28/2025 02:43
Hexachlorocyclopentadiene	ND		0.020	1	01/28/2025 02:43
Methoxychlor	ND		0.0010	1	01/28/2025 02:43
Toxaphene	ND		0.20	1	01/28/2025 02:43

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	95	60-130	01/28/2025 02:43

Analyst(s): EEV

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Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/23/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-4@2'	2501D62-008A	Soil	01/23/2025 10:17	GC40 01272565.d	310055

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0010	1	01/28/2025 02:58
a-BHC	ND		0.0010	1	01/28/2025 02:58
b-BHC	ND		0.0010	1	01/28/2025 02:58
d-BHC	ND		0.0010	1	01/28/2025 02:58
g-BHC	ND		0.0010	1	01/28/2025 02:58
Chlordane (Technical)	ND		0.025	1	01/28/2025 02:58
a-Chlordane	ND		0.0010	1	01/28/2025 02:58
g-Chlordane	ND		0.0010	1	01/28/2025 02:58
p,p-DDD	ND		0.0010	1	01/28/2025 02:58
p,p-DDE	0.0079		0.0010	1	01/28/2025 02:58
p,p-DDT	0.0013	P	0.0010	1	01/28/2025 02:58
Dieldrin	ND		0.0010	1	01/28/2025 02:58
Endosulfan I	ND		0.0010	1	01/28/2025 02:58
Endosulfan II	ND		0.0010	1	01/28/2025 02:58
Endosulfan sulfate	ND		0.0010	1	01/28/2025 02:58
Endrin	ND		0.0010	1	01/28/2025 02:58
Endrin aldehyde	ND		0.0010	1	01/28/2025 02:58
Endrin ketone	ND		0.0010	1	01/28/2025 02:58
Heptachlor	ND		0.0010	1	01/28/2025 02:58
Heptachlor epoxide	ND		0.0010	1	01/28/2025 02:58
Hexachlorobenzene	ND		0.010	1	01/28/2025 02:58
Hexachlorocyclopentadiene	ND		0.020	1	01/28/2025 02:58
Methoxychlor	ND		0.0010	1	01/28/2025 02:58
Toxaphene	ND		0.20	1	01/28/2025 02:58

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	91	60-130	01/28/2025 02:58
Analyst(s): EEV			

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CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/23/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1 @2'	2501D62-009A	Soil	01/23/2025 10:35	GC40 01282516.d	310055

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.020	20	01/28/2025 16:02
a-BHC	ND	0.020	20	01/28/2025 16:02
b-BHC	ND	0.020	20	01/28/2025 16:02
d-BHC	ND	0.020	20	01/28/2025 16:02
g-BHC	ND	0.020	20	01/28/2025 16:02
Chlordane (Technical)	ND	0.50	20	01/28/2025 16:02
a-Chlordane	0.045	0.020	20	01/28/2025 16:02
g-Chlordane	0.057	0.020	20	01/28/2025 16:02
p,p-DDD	0.055	0.020	20	01/28/2025 16:02
p,p-DDE	1.8	0.020	20	01/28/2025 16:02
p,p-DDT	0.61	0.020	20	01/28/2025 16:02
Dieldrin	0.063	0.020	20	01/28/2025 16:02
Endosulfan I	ND	0.020	20	01/28/2025 16:02
Endosulfan II	ND	0.020	20	01/28/2025 16:02
Endosulfan sulfate	ND	0.020	20	01/28/2025 16:02
Endrin	ND	0.020	20	01/28/2025 16:02
Endrin aldehyde	ND	0.020	20	01/28/2025 16:02
Endrin ketone	ND	0.020	20	01/28/2025 16:02
Heptachlor	ND	0.020	20	01/28/2025 16:02
Heptachlor epoxide	ND	0.020	20	01/28/2025 16:02
Hexachlorobenzene	ND	0.20	20	01/28/2025 16:02
Hexachlorocyclopentadiene	ND	0.40	20	01/28/2025 16:02
Methoxychlor	ND	0.020	20	01/28/2025 16:02
Toxaphene	ND	4.0	20	01/28/2025 16:02

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	117	60-130	01/28/2025 16:02
Analyst(s): EEV		Analytical Comments: a2	

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/23/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-3@6" DUP	2501D62-010A	Soil	01/23/2025 09:37	GC40 01272567.d	310055

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0050	5	01/28/2025 03:27
a-BHC	ND		0.0050	5	01/28/2025 03:27
b-BHC	ND		0.0050	5	01/28/2025 03:27
d-BHC	ND		0.0050	5	01/28/2025 03:27
g-BHC	ND		0.0050	5	01/28/2025 03:27
Chlordane (Technical)	0.18		0.12	5	01/28/2025 03:27
a-Chlordane	0.013		0.0050	5	01/28/2025 03:27
g-Chlordane	0.019	P	0.0050	5	01/28/2025 03:27
p,p-DDD	0.010	P	0.0050	5	01/28/2025 03:27
p,p-DDE	0.058		0.0050	5	01/28/2025 03:27
p,p-DDT	0.059		0.0050	5	01/28/2025 03:27
Dieldrin	0.0072		0.0050	5	01/28/2025 03:27
Endosulfan I	ND		0.0050	5	01/28/2025 03:27
Endosulfan II	ND		0.0050	5	01/28/2025 03:27
Endosulfan sulfate	ND		0.0050	5	01/28/2025 03:27
Endrin	ND		0.0050	5	01/28/2025 03:27
Endrin aldehyde	ND		0.0050	5	01/28/2025 03:27
Endrin ketone	ND		0.0050	5	01/28/2025 03:27
Heptachlor	ND		0.0050	5	01/28/2025 03:27
Heptachlor epoxide	ND		0.0050	5	01/28/2025 03:27
Hexachlorobenzene	ND		0.050	5	01/28/2025 03:27
Hexachlorocyclopentadiene	ND		0.10	5	01/28/2025 03:27
Methoxychlor	ND		0.0050	5	01/28/2025 03:27
Toxaphene	ND		1.0	5	01/28/2025 03:27

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	120	60-130	01/28/2025 03:27
Analyst(s): EEV		Analytical Comments: a3	

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CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/23/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RN-1@6"	2501D62-011A	Soil	01/23/2025 08:04	GC40 01282517.d	310055

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.010	10	01/28/2025 16:17
a-BHC	ND	0.010	10	01/28/2025 16:17
b-BHC	ND	0.010	10	01/28/2025 16:17
d-BHC	ND	0.010	10	01/28/2025 16:17
g-BHC	ND	0.010	10	01/28/2025 16:17
Chlordane (Technical)	1.7	0.25	10	01/28/2025 16:17
a-Chlordane	0.19	0.010	10	01/28/2025 16:17
g-Chlordane	0.15	0.010	10	01/28/2025 16:17
p,p-DDD	ND	0.010	10	01/28/2025 16:17
p,p-DDE	0.57	0.010	10	01/28/2025 16:17
p,p-DDT	0.36	0.010	10	01/28/2025 16:17
Dieldrin	0.036	0.010	10	01/28/2025 16:17
Endosulfan I	ND	0.010	10	01/28/2025 16:17
Endosulfan II	ND	0.010	10	01/28/2025 16:17
Endosulfan sulfate	ND	0.010	10	01/28/2025 16:17
Endrin	ND	0.010	10	01/28/2025 16:17
Endrin aldehyde	ND	0.010	10	01/28/2025 16:17
Endrin ketone	ND	0.010	10	01/28/2025 16:17
Heptachlor	ND	0.010	10	01/28/2025 16:17
Heptachlor epoxide	0.027	0.010	10	01/28/2025 16:17
Hexachlorobenzene	ND	0.10	10	01/28/2025 16:17
Hexachlorocyclopentadiene	ND	0.20	10	01/28/2025 16:17
Methoxychlor	ND	0.010	10	01/28/2025 16:17
Toxaphene	ND	2.0	10	01/28/2025 16:17

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	117	60-130	01/28/2025 16:17
Analyst(s): EEV		Analytical Comments: a2	

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/23/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RS-1@6"	2501D62-015A	Soil	01/23/2025 09:15	GC40 01272569.d	310055

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0020	2	01/28/2025 03:56
a-BHC	ND		0.0020	2	01/28/2025 03:56
b-BHC	ND		0.0020	2	01/28/2025 03:56
d-BHC	ND		0.0020	2	01/28/2025 03:56
g-BHC	ND		0.0020	2	01/28/2025 03:56
Chlordane (Technical)	0.89		0.050	2	01/28/2025 03:56
a-Chlordane	0.10		0.0020	2	01/28/2025 03:56
g-Chlordane	0.081	P	0.0020	2	01/28/2025 03:56
p,p-DDD	ND		0.0020	2	01/28/2025 03:56
p,p-DDE	0.41	P	0.0020	2	01/28/2025 03:56
p,p-DDT	0.13		0.0020	2	01/28/2025 03:56
Dieldrin	0.034		0.0020	2	01/28/2025 03:56
Endosulfan I	ND		0.0020	2	01/28/2025 03:56
Endosulfan II	ND		0.0020	2	01/28/2025 03:56
Endosulfan sulfate	ND		0.0020	2	01/28/2025 03:56
Endrin	ND		0.0020	2	01/28/2025 03:56
Endrin aldehyde	ND		0.0020	2	01/28/2025 03:56
Endrin ketone	ND		0.0020	2	01/28/2025 03:56
Heptachlor	ND		0.0020	2	01/28/2025 03:56
Heptachlor epoxide	0.014		0.0020	2	01/28/2025 03:56
Hexachlorobenzene	ND		0.020	2	01/28/2025 03:56
Hexachlorocyclopentadiene	ND		0.040	2	01/28/2025 03:56
Methoxychlor	ND		0.0020	2	01/28/2025 03:56
Toxaphene	ND		0.40	2	01/28/2025 03:56

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	108	60-130	01/28/2025 03:56
Analyst(s): EEV		Analytical Comments: a3	

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/23/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RN-1@6" (dup)	2501D62-019A	Soil	01/23/2025 08:58	GC40 01292508.d	310055

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.010	10	01/29/2025 16:49
a-BHC	ND	0.010	10	01/29/2025 16:49
b-BHC	ND	0.010	10	01/29/2025 16:49
d-BHC	ND	0.010	10	01/29/2025 16:49
g-BHC	ND	0.010	10	01/29/2025 16:49
Chlordane (Technical)	1.5	0.25	10	01/29/2025 16:49
a-Chlordane	0.17	0.010	10	01/29/2025 16:49
g-Chlordane	0.12	0.010	10	01/29/2025 16:49
p,p-DDD	ND	0.010	10	01/29/2025 16:49
p,p-DDE	0.63	0.010	10	01/29/2025 16:49
p,p-DDT	0.46	0.010	10	01/29/2025 16:49
Dieldrin	0.040	0.010	10	01/29/2025 16:49
Endosulfan I	ND	0.010	10	01/29/2025 16:49
Endosulfan II	ND	0.010	10	01/29/2025 16:49
Endosulfan sulfate	ND	0.010	10	01/29/2025 16:49
Endrin	ND	0.010	10	01/29/2025 16:49
Endrin aldehyde	ND	0.010	10	01/29/2025 16:49
Endrin ketone	ND	0.010	10	01/29/2025 16:49
Heptachlor	ND	0.010	10	01/29/2025 16:49
Heptachlor epoxide	0.019	0.010	10	01/29/2025 16:49
Hexachlorobenzene	ND	0.10	10	01/29/2025 16:49
Hexachlorocyclopentadiene	ND	0.20	10	01/29/2025 16:49
Methoxychlor	ND	0.010	10	01/29/2025 16:49
Toxaphene	5.1	2.0	10	01/29/2025 16:49

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	96	60-130	01/29/2025 16:49
Analyst(s): EEV		Analytical Comments: a2	

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/23/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RE-1@6"	2501D62-020A	Soil	01/23/2025 08:35	GC40 01282526.d	310055

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.050	50	01/28/2025 18:32
a-BHC	ND	0.050	50	01/28/2025 18:32
b-BHC	ND	0.050	50	01/28/2025 18:32
d-BHC	ND	0.050	50	01/28/2025 18:32
g-BHC	ND	0.050	50	01/28/2025 18:32
Chlordane (Technical)	8.2	1.2	50	01/28/2025 18:32
a-Chlordane	0.91	0.050	50	01/28/2025 18:32
g-Chlordane	0.96	0.050	50	01/28/2025 18:32
p,p-DDD	ND	0.050	50	01/28/2025 18:32
p,p-DDE	0.64	0.050	50	01/28/2025 18:32
p,p-DDT	0.42	0.050	50	01/28/2025 18:32
Dieldrin	0.12	0.050	50	01/28/2025 18:32
Endosulfan I	ND	0.050	50	01/28/2025 18:32
Endosulfan II	ND	0.050	50	01/28/2025 18:32
Endosulfan sulfate	ND	0.050	50	01/28/2025 18:32
Endrin	ND	0.050	50	01/28/2025 18:32
Endrin aldehyde	ND	0.050	50	01/28/2025 18:32
Endrin ketone	ND	0.050	50	01/28/2025 18:32
Heptachlor	ND	0.050	50	01/28/2025 18:32
Heptachlor epoxide	0.060	0.050	50	01/28/2025 18:32
Hexachlorobenzene	ND	0.50	50	01/28/2025 18:32
Hexachlorocyclopentadiene	ND	1.0	50	01/28/2025 18:32
Methoxychlor	ND	0.050	50	01/28/2025 18:32
Toxaphene	ND	10	50	01/28/2025 18:32

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	127	60-130	01/28/2025 18:32
Analyst(s): EEV		Analytical Comments: a2	

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CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/23/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RW-1@6"	2501D62-024A	Soil	01/23/2025 07:56	GC40 01282525.d	310055

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.010	10	01/28/2025 18:17
a-BHC	ND		0.010	10	01/28/2025 18:17
b-BHC	ND		0.010	10	01/28/2025 18:17
d-BHC	ND		0.010	10	01/28/2025 18:17
g-BHC	ND		0.010	10	01/28/2025 18:17
Chlordane (Technical)	0.71		0.25	10	01/28/2025 18:17
a-Chlordane	0.033		0.010	10	01/28/2025 18:17
g-Chlordane	0.040		0.010	10	01/28/2025 18:17
p,p-DDD	0.045		0.010	10	01/28/2025 18:17
p,p-DDE	0.26		0.010	10	01/28/2025 18:17
p,p-DDT	0.22		0.010	10	01/28/2025 18:17
Dieldrin	ND		0.010	10	01/28/2025 18:17
Endosulfan I	0.034	P	0.010	10	01/28/2025 18:17
Endosulfan II	ND		0.010	10	01/28/2025 18:17
Endosulfan sulfate	ND		0.010	10	01/28/2025 18:17
Endrin	ND		0.010	10	01/28/2025 18:17
Endrin aldehyde	ND		0.010	10	01/28/2025 18:17
Endrin ketone	ND		0.010	10	01/28/2025 18:17
Heptachlor	ND		0.010	10	01/28/2025 18:17
Heptachlor epoxide	ND		0.010	10	01/28/2025 18:17
Hexachlorobenzene	ND		0.10	10	01/28/2025 18:17
Hexachlorocyclopentadiene	ND		0.20	10	01/28/2025 18:17
Methoxychlor	ND		0.010	10	01/28/2025 18:17
Toxaphene	ND		2.0	10	01/28/2025 18:17

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	120	60-130	01/28/2025 18:17
Analyst(s): EEV		Analytical Comments: a2	



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/24/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-1@6"	2501D62-001A	Soil	01/23/2025 09:04	ICP-MS4 115SMPL.d	310050

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Arsenic	7.7	0.50	1	01/27/2025 13:03

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	99	70-130	01/27/2025 13:03

Analyst(s): WV

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-1@2'	2501D62-002A	Soil	01/23/2025 10:10	ICP-MS5 103SMPL.d	310050

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Arsenic	4.7	0.50	1	01/27/2025 15:02

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	95	70-130	01/27/2025 15:02

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-2@6"	2501D62-003A	Soil	01/23/2025 09:30	ICP-MS5 104SMPL.d	310050

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Arsenic	6.2	0.50	1	01/27/2025 15:06

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	93	70-130	01/27/2025 15:06

Analyst(s): MIG

(Cont.)

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Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/24/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-2@2'	2501D62-004A	Soil	01/23/2025 10:50	ICP-MS5 105SMPL.d	310050
<u>Analytes</u>	<u>Result</u>		<u>RL</u> <u>DE</u>		<u>Date Analyzed</u>
Arsenic	5.0		0.50 1		01/27/2025 15:09
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	98		70-130		01/27/2025 15:09
<u>Analyst(s):</u> MIG					

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-3@6"	2501D62-005A	Soil	01/23/2025 09:35	ICP-MS5 106SMPL.d	310050
<u>Analytes</u>	<u>Result</u>		<u>RL</u> <u>DE</u>		<u>Date Analyzed</u>
Arsenic	3.6		0.50 1		01/27/2025 15:13
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	97		70-130		01/27/2025 15:13
<u>Analyst(s):</u> MIG					

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-3@2'	2501D62-006A	Soil	01/23/2025 10:40	ICP-MS5 107SMPL.d	310050
<u>Analytes</u>	<u>Result</u>		<u>RL</u> <u>DE</u>		<u>Date Analyzed</u>
Arsenic	3.8		0.50 1		01/27/2025 15:17
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	99		70-130		01/27/2025 15:17
<u>Analyst(s):</u> MIG					

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Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/24/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-4@6"	2501D62-007A	Soil	01/23/2025 09:45	ICP-MS5 108SMPL.d	310050

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Arsenic	1.3	0.50	1	01/27/2025 15:20

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	100	70-130	01/27/2025 15:20

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-4@2'	2501D62-008A	Soil	01/23/2025 10:17	ICP-MS6 165SMPL.d	310050

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Arsenic	3.2	0.50	1	01/27/2025 15:48

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	104	70-130	01/27/2025 15:48

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1 @2'	2501D62-009A	Soil	01/23/2025 10:35	ICP-MS6 166SMPL.d	310050

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Arsenic	3.8	0.50	1	01/27/2025 15:52

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	98	70-130	01/27/2025 15:52

Analyst(s): AL

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/24/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1-3@6" DUP	2501D62-010A	Soil	01/23/2025 09:37	ICP-MS6 167SMPL.d	310050

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Arsenic	4.3	0.50	1	01/27/2025 15:55

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	101	70-130	01/27/2025 15:55

Analyst(s): AL

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RN-1@6"	2501D62-011A	Soil	01/23/2025 08:04	ICP-MS6 190SMPL.d	310050

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Lead	32	0.50	1	01/27/2025 17:16

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	94	70-130	01/27/2025 17:16

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RS-1@6"	2501D62-015A	Soil	01/23/2025 09:15	ICP-MS6 191SMPL.d	310050

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Lead	17	0.50	1	01/27/2025 17:20

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	105	70-130	01/27/2025 17:20

Analyst(s): DB

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CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 01/24/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
RN-1@6" (dup)	2501D62-019A	Soil	01/23/2025 08:58		ICP-MS6 192SMPL.d	310050
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DE</u>		<u>Date Analyzed</u>
Lead	40		0.50	1		01/27/2025 17:23
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	101		70-130			01/27/2025 17:23
<u>Analyst(s):</u> DB						

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
RE-1@6"	2501D62-020A	Soil	01/23/2025 08:35		ICP-MS4 120SMPL.d	310057
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Date Analyzed</u>
Lead	44		0.50	1		01/27/2025 13:24
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	105		70-130			01/27/2025 13:24
<u>Analyst(s):</u> WV						

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
RW-1@6"	2501D62-024A	Soil	01/23/2025 07:56		ICP-MS6 193SMPL.d	310057
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Date Analyzed</u>
Lead	40		0.50	1		01/27/2025 17:27
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	97		70-130			01/27/2025 17:27
<u>Analyst(s):</u> DB						



Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 01/23/2025
Date Analyzed: 01/27/2025 - 01/28/2025
Instrument: GC40
Matrix: Soil
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
BatchID: 310055
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg
Sample ID: MB/LCS/LCSD-310055
2501D62-001AMS/MSD

QC Summary Report for SW8081B

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Aldrin	ND	0.00042	0.0010	-	-	-
a-BHC	ND	0.00045	0.0010	-	-	-
b-BHC	ND	0.00038	0.0010	-	-	-
d-BHC	ND	0.00036	0.0010	-	-	-
g-BHC	ND	0.00036	0.0010	-	-	-
Chlordane (Technical)	ND	0.010	0.025	-	-	-
a-Chlordane	ND	0.00035	0.0010	-	-	-
g-Chlordane	ND	0.00067	0.0010	-	-	-
p,p-DDD	ND	0.00057	0.0010	-	-	-
p,p-DDE	ND	0.00034	0.0010	-	-	-
p,p-DDT	ND	0.00043	0.0010	-	-	-
Dieldrin	ND	0.00041	0.0010	-	-	-
Endosulfan I	ND	0.00040	0.0010	-	-	-
Endosulfan II	ND	0.00051	0.0010	-	-	-
Endosulfan sulfate	ND	0.00040	0.0010	-	-	-
Endrin	ND	0.00045	0.0010	-	-	-
Endrin aldehyde	ND	0.00045	0.0010	-	-	-
Endrin ketone	ND	0.00042	0.0010	-	-	-
Heptachlor	ND	0.00067	0.0010	-	-	-
Heptachlor epoxide	ND	0.00041	0.0010	-	-	-
Hexachlorobenzene	ND	0.00038	0.010	-	-	-
Hexachlorocyclopentadiene	ND	0.00064	0.020	-	-	-
Methoxychlor	ND	0.00063	0.0010	-	-	-
Toxaphene	ND	0.064	0.20	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.041			0.05	81	70-130

(Cont.)



Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 01/23/2025
Date Analyzed: 01/27/2025 - 01/28/2025
Instrument: GC40
Matrix: Soil
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
BatchID: 310055
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg
Sample ID: MB/LCS/LCSD-310055
2501D62-001AMS/MSD

QC Summary Report for SW8081B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.043	0.043	0.050	86	85	70-130	1.20	20
a-BHC	0.044	0.044	0.050	89	87	70-130	1.43	20
b-BHC	0.045	0.044	0.050	90	87	70-130	3.09	20
d-BHC	0.043	0.041	0.050	86	83	70-130	3.28	20
g-BHC	0.045	0.044	0.050	90	88	70-130	2.40	20
a-Chlordane	0.047	0.046	0.050	94	92	70-130	2.25	20
g-Chlordane	0.046	0.045	0.050	92	91	70-130	0.964	20
p,p-DDD	0.047	0.047	0.050	95	93	70-130	1.65	20
p,p-DDE	0.050	0.048	0.050	100	96	70-130	3.78	20
p,p-DDT	0.053	0.050	0.050	105	101	70-130	4.35	20
Dieldrin	0.048	0.047	0.050	96	95	70-130	1.53	20
Endosulfan I	0.051	0.050	0.050	102	100	70-130	1.69	20
Endosulfan II	0.048	0.048	0.050	97	95	70-130	1.78	20
Endosulfan sulfate	0.051	0.049	0.050	102	99	70-130	3.16	20
Endrin	0.055	0.053	0.050	109	107	70-130	2.29	20
Endrin aldehyde	0.047	0.045	0.050	94	91	70-130	3.66	20
Endrin ketone	0.047	0.045	0.050	94	90	70-130	4.50	20
Heptachlor	0.048	0.047	0.050	95	94	70-130	1.37	20
Heptachlor epoxide	0.051	0.051	0.050	103	101	70-130	1.11	20
Hexachlorobenzene	0.043	0.042	0.050	86	84	70-130	2.19	20
Hexachlorocyclopentadiene	0.071	0.068	0.050	142,F2	137,F2	50-130	4.09	20
Methoxychlor	0.055	0.052	0.050	111	104	70-130	6.11	20

Surrogate Recovery

Decachlorobiphenyl	0.042	0.040	0.050	85	80	70-130	5.34	20
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Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Aldrin	1	0.041	0.041	0.050	ND	82	81	60-130	0.566	20
a-BHC	1	0.043	0.042	0.050	ND	86	84	60-130	1.41	20
b-BHC	1	0.042	0.042	0.050	ND	84	83	60-130	0.866	20
d-BHC	1	0.041	0.040	0.050	ND	82	81	60-130	1.13	20
g-BHC	1	0.039	0.039	0.050	ND	79	77	60-130	1.51	20
a-Chlordane	1	0.048	0.048	0.050	0.002775	90	90	60-130	0.665	20
g-Chlordane	1	0.051	0.050	0.050	0.003634	88	87	60-130	0.940	20
p,p-DDD	1	0.054	0.054	0.050	0.006823	94	95	60-130	1.03	20
p,p-DDE	1	0.36	0.36	0.050	0.3760	F1	F1	60-130	NA	20

(Cont.)



Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 01/23/2025
Date Analyzed: 01/27/2025 - 01/28/2025
Instrument: GC40
Matrix: Soil
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
BatchID: 310055
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg
Sample ID: MB/LCS/LCSD-310055
2501D62-001AMS/MSD

QC Summary Report for SW8081B

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
p,p-DDT	1	0.16	0.16	0.050	0.1102	100	97	60-130	0.915	20
Dieldrin	1	0.049	0.049	0.050	ND	98	98	60-130	0.187	20
Endosulfan I	1	0.050	0.050	0.050	ND	100	100	60-130	0.468	20
Endosulfan II	1	0.051	0.050	0.050	ND	102	100	60-130	1.97	20
Endosulfan sulfate	1	0.050	0.051	0.050	ND	101	102	60-130	1.26	20
Endrin	1	0.053	0.053	0.050	ND	106	106	60-130	0.248	20
Endrin aldehyde	1	0.047	0.048	0.050	ND	95	96	60-130	1.64	20
Endrin ketone	1	0.047	0.048	0.050	ND	95	96	60-130	1.57	20
Heptachlor	1	0.046	0.046	0.050	ND	92	92	60-130	0.156	20
Heptachlor epoxide	1	0.049	0.049	0.050	ND	98	97	60-130	0.482	20
Hexachlorobenzene	1	0.043	0.043	0.050	ND	86	86	60-130	0.504	20
Hexachlorocyclopentadiene	1	0.068	0.068	0.050	ND	137,F1	136,F1	50-130	0.812	20
Methoxychlor	1	0.063	0.063	0.050	ND	127	126	60-130	0.742	20
Surrogate Recovery										
Decachlorobiphenyl	1	0.045	0.046	0.050		89	91	60-130	2.30	20



Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 01/24/2025
Date Analyzed: 01/27/2025
Instrument: ICP-MS4
Matrix: Soil
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
BatchID: 310050
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg
Sample ID: MB/LCS/LCSD-310050
2501D62-001AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Arsenic	ND	0.10	0.50	-	-	-
Lead	ND	0.11	0.50	-	-	-
Surrogate Recovery						
Terbium	520			500	104	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	51	51	50	103	103	75-125	0.00195	20
Lead	49	51	50	97	102	75-125	5.23	20
Surrogate Recovery								
Terbium	500	520	500	101	103	70-130	2.53	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Arsenic	1	58	60	50	7.658	101	104	75-125	2.47	20
Lead	1	86	92	50	35.14	101	114	75-125	7.15	20
Surrogate Recovery										
Terbium	1	510	510	500		101	103	70-130	1.17	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Arsenic	7.7	7.7	1.07	-
Lead	34	35	3.60	20

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 01/24/2025
Date Analyzed: 01/27/2025
Instrument: ICP-MS4
Matrix: Soil
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
BatchID: 310057
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg
Sample ID: MB/LCS/LCSD-310057
2501D62-020AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Arsenic	ND	0.10	0.50	-	-	-
Lead	ND	0.11	0.50	-	-	-
Surrogate Recovery						
Terbium	550			500	110	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	51	52	50	103	104	75-125	0.696	20
Lead	50	51	50	100	101	75-125	1.63	20
Surrogate Recovery								
Terbium	520	510	500	103	102	70-130	1.50	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Arsenic	1	56	57	50	7.561	97	99	75-125	1.67	20
Lead	1	94	92	50	43.88	100	96	75-125	2.36	20
Surrogate Recovery										
Terbium	1	470	500	500		94	100	70-130	6.32	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Arsenic	7.8	7.6	3.23	-
Lead	43	44	2.84	20

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2501D62

ClientCode: EAVS

☐ WaterTrax

☐ CLIP

☐ EDF

☒ EQUIS

☒ Dry-Weight

☐ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

☒ Detection Summary

☐ Excel

Report to:

James Robinson
Enviro Assessment PC
1869 E Seltice Way #570
Post Falls, ID 83854
877-629-6838 FAX: 877-623-5493

Email: james@enviroassess.com
cc/3rd Party: service@enviroassessment.com;
PO:
Project: 2024-12-14; Madera Drive Property

Bill to:

James Robinson
Enviro Assess
1869 E Seltice Way #570
Post Falls, ID 83854
james@enviroassess.com; fabiola@env

Requested TAT: 5 days;

Date Received: 01/23/2025

Date Logged: 01/23/2025

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2501D62-001	S-1-1@6"	Soil	1/23/2025 09:04	☐	A	A	A									
2501D62-002	S-1-1@2'	Soil	1/23/2025 10:10	☐	A	A	A									
2501D62-003	S-1-2@6"	Soil	1/23/2025 09:30	☐	A	A	A									
2501D62-004	S-1-2@2'	Soil	1/23/2025 10:50	☐	A	A	A									
2501D62-005	S-1-3@6"	Soil	1/23/2025 09:35	☐	A	A	A									
2501D62-006	S-1-3@2'	Soil	1/23/2025 10:40	☐	A	A	A									
2501D62-007	S-1-4@6"	Soil	1/23/2025 09:45	☐	A	A	A									
2501D62-008	S-1-4@2'	Soil	1/23/2025 10:17	☐	A	A	A									
2501D62-009	S-1 @2'	Soil	1/23/2025 10:35	☐	A	A	A									
2501D62-010	S-1-3@6" DUP	Soil	1/23/2025 09:37	☐	A	A	A									
2501D62-011	RN-1@6"	Soil	1/23/2025 08:04	☐	A	A	A									
2501D62-012	RN-1@2'	Soil	1/23/2025 08:56	☒			A	A								
2501D62-013	RN-2@6"	Soil	1/23/2025 08:17	☒			A	A								
2501D62-014	RN-2@2'	Soil	1/23/2025 09:09	☒			A	A								
2501D62-015	RS-1@6"	Soil	1/23/2025 09:15	☐	A	A	A									

Test Legend:

1	8081_S
5	
9	

2	METALSMS_TTLC_S
6	
10	

3	PRDisposal Fee
7	
11	

4	PRHOLD
8	
12	

Prepared by: Emily Perez

Comments:

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



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2501D62

ClientCode: EAVS

☐ WaterTrax

☐ CLIP

☐ EDF

☒ EQulS

☒ Dry-Weight

☐ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

☒ Detection Summary

☐ Excel

Report to:
James Robinson
Enviro Assessment PC
1869 E Seltice Way #570
Post Falls, ID 83854
877-629-6838 FAX: 877-623-5493

Email: james@enviroassess.com
cc/3rd Party: service@enviroassessment.com;
PO:
Project: 2024-12-14; Madera Drive Property

Bill to:
James Robinson
Enviro Assess
1869 E Seltice Way #570
Post Falls, ID 83854
james@enviroassess.com; fabiola@env

Requested TAT: 5 days;

Date Received: 01/23/2025
Date Logged: 01/23/2025

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2501D62-016	RS-1@2'	Soil	1/23/2025 09:55	☒			A	A								
2501D62-017	RS-2@6"	Soil	1/23/2025 09:20	☒			A	A								
2501D62-018	RS-2@2'	Soil	1/23/2025 09:50	☒			A	A								
2501D62-019	RN-1@6" (dup)	Soil	1/23/2025 08:58	☐	A	A	A									
2501D62-020	RE-1@6"	Soil	1/23/2025 08:35	☐	A	A	A									
2501D62-021	RE-1@2'	Soil	1/23/2025 08:45	☒			A	A								
2501D62-022	RE-2@6"	Soil	1/23/2025 08:40	☒			A	A								
2501D62-023	RE-2@2'	Soil	1/23/2025 08:50	☒			A	A								
2501D62-024	RW-1@6"	Soil	1/23/2025 07:56	☐	A	A	A									
2501D62-025	RW-1@2'	Soil	1/23/2025 08:22	☒			A	A								
2501D62-026	RW-2@6"	Soil	1/23/2025 08:14	☒			A	A								
2501D62-027	RW-2@2'	Soil	1/23/2025 08:34	☒			A	A								
2501D62-028	RW-2@6"(dup)	Soil	1/23/2025 08:41	☒			A	A								

Test Legend:

1

8081_S

2

METALSMS_TTLC_S

3

PRDisposal Fee

4

PRHOLD

5

6

7

8

9

10

11

12

Prepared by: Emily Perez

Comments:

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



WORK ORDER SUMMARY

Client Name: ENVIRO ASSESSMENT PC

Project: 2024-12-14; Madera Drive Property

Work Order: 2501D62

Client Contact: James Robinson

QC Level: LEVEL 2

Contact's Email: james@enviroassess.com

Comments:

Date Logged: 1/23/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☒ EQUIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	S-1-1@6"	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 9:04	5 days	1/30/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	1/30/2025		☐	☐
002A	S-1-1@2'	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 10:10	5 days	1/30/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	1/30/2025		☐	☐
003A	S-1-2@6"	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 9:30	5 days	1/30/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	1/30/2025		☐	☐
004A	S-1-2@2'	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 10:50	5 days	1/30/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	1/30/2025		☐	☐
005A	S-1-3@6"	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 9:35	5 days	1/30/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	1/30/2025		☐	☐
006A	S-1-3@2'	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 10:40	5 days	1/30/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	1/30/2025		☐	☐

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

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

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

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

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



WORK ORDER SUMMARY

Client Name: ENVIRO ASSESSMENT PC

Project: 2024-12-14; Madera Drive Property

Work Order: 2501D62

Client Contact: James Robinson

QC Level: LEVEL 2

Contact's Email: james@enviroassess.com

Comments:

Date Logged: 1/23/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☒ EQUIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
007A	S-1-4@6"	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 9:45	5 days	1/30/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	1/30/2025		☐	☐
008A	S-1-4@2'	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 10:17	5 days	1/30/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	1/30/2025		☐	☐
009A	S-1 @2'	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 10:35	5 days	1/30/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	1/30/2025		☐	☐
010A	S-1-3@6" DUP	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 9:37	5 days	1/30/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	1/30/2025		☐	☐
011A	RN-1@6"	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 8:04	5 days	1/30/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	1/30/2025		☐	☐
015A	RS-1@6"	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 9:15	5 days	1/30/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	1/30/2025		☐	☐

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

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WORK ORDER SUMMARY

Client Name: ENVIRO ASSESSMENT PC

Client Contact: James Robinson

Contact's Email: james@enviroassess.com

Project: 2024-12-14; Madera Drive Property

Comments:

Work Order: 2501D62

QC Level: LEVEL 2

Date Logged: 1/23/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☒ EQUIS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
019A	RN-1@6" (dup)	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 8:58	5 days	1/30/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	1/30/2025		☐	☐
020A	RE-1@6"	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 8:35	5 days	1/30/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	1/30/2025		☐	☐
024A	RW-1@6"	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 7:56	5 days	1/30/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	1/30/2025		☐	☐

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

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 McCAMPBELL ANALYTICAL, INC. 1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701 Telephone: (877) 252-9262 / Fax: (925) 252-9269 www.mccampbell.com main@mccampbell.com						CHAIN OF CUSTODY RECORD																	
						Turn Around Time: 1 Day Rush				2 Day Rush		3 Day Rush		STD		Quote #							
						J-Flag / MDL		ESL		Cleanup Approved				Dry Weight		Bottle Order #							
						Delivery Format: PDF		GeoTracker EDF				EDD		Write On (DW)		Detect Summary							
Report To: James Robinson Bill To: James Robinson						Analysis Requested																	
Company: Enviro Assessment, PC																							
Email: james@enviroassessment.com (New Email)																							
Alt Email: Service@enviroassessment.com Tele: 844-742-7311																							
Project Name: Madera Drive Property Project #: 2024-12-014																							
Project Location: Cupertino, CA PO #																							
Sampler Signature: <u>Steven Ashe</u>																							
SAMPLE ID Location / Field Point		Sampling Date Time		#Containers	Matrix																		
S-1-1@6"		1/23/25 0904		1	Soil	ice	●	●															
S-1-1@2'		1/23/25 1010		1	Soil	ice	●	●															
S-1-2@6"		1/23/25 0930		1	Soil	ice	●	●															
S-1-2@2'		1/23/25 1050		1	Soil	ice	●	●															
S-1-3@6"		1/23/25 0935		1	Soil	ice	●	●															
S-1-3@2'		1/23/25 1040		1	Soil	ice	●	●															
S-1-4@6"		1/23/25 0945		1	Soil	ice	●	●															
S-1-4@2'		1/23/25 1017		1	Soil	ice	●	●															
S-1 @ 2'		1/23/25 1035		1	Soil	ice	●	●															
S-1-3@6" (DUP)		1/23/25 0937		1	Soil	ice	●	●															
MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.																							
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Relinquished By / Company Name				Date	Time	Received By / Company Name														Date	Time		
<u>Steven Ashe / Enviro Assessment PC.</u>				<u>1/23/25</u>	<u>1203</u>	<u>[Signature]</u>														<u>1/23/25</u>	<u>1703</u>		

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=NoneTemp 3.4°C Initials [Signature]1273
Page 1 of 3

 McCAMPBELL ANALYTICAL, INC. 1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701 Telephone: (877) 252-9262 / Fax: (925) 252-9269 www.mccampbell.com main@mccampbell.com						CHAIN OF CUSTODY RECORD																																																																																																																																																																																																																																																																																	
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Company: Enviro Assessment, PC																																																																																																																																																																																																																																																																																							
Email: james@enviroassessment.com (New Email)																																																																																																																																																																																																																																																																																							
Alt Email: Service@enviroassessment.com Tele: 844-742-7311																																																																																																																																																																																																																																																																																							
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Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None



Sample Receipt Checklist

Client Name: Enviro Assessment PC
Project: 2024-12-14; Madera Drive Property
WorkOrder №: 2501D62 Matrix: Soil
Carrier: Client Drop-In

Date and Time Received: 1/23/2025 17:03
Date Logged: 1/23/2025
Received by: Lilly Ortiz
Logged by: Emily Perez

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☒	No ☐	NA ☐
Samples Received on Ice?	Yes ☒	No ☐	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 3.4°C	NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☐ No ☐	NA ☒
Sample labels checked for correct preservation?	Yes ☒ No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐ No ☐	NA ☒

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐ No ☐	NA ☒
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐ No ☐	NA ☒

Comments:



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2501D62 A

Report Created for: Enviro Assessment PC

1869 E Seltice Way #570
Post Falls, ID 83854

Project Contact: James Robinson

Project P.O.:

Project: 2024-12-14; Madera Drive Property

Project Location: Cupertino, CA

Project Received: 01/23/2025

Analytical Report reviewed & approved for release on 02/10/2025 by:

Tracy Babjar
Project Manager

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





Glossary of Terms & Qualifier Definitions

Client: Enviro Assessment PC

WorkOrder: 2501D62 A

Project: 2024-12-14; Madera Drive Property

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.



Glossary of Terms & Qualifier Definitions

Client: Enviro Assessment PC

WorkOrder: 2501D62 A

Project: 2024-12-14; Madera Drive Property

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	"Too Numerous to Count;" greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

P	Agreement between the quantitative dual-column confirmation results exceed method recommended limits of 40% RPD. The lowest concentration is reported.
S	Surrogate recovery outside accepted recovery limits.
a2	Sample diluted due to cluttered chromatogram.
a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.
c4	Surrogate recovery outside of the control limits due to coelution with another peak(s) / cluttered chromatogram.



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/03/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RN-1@2'	2501D62-012A	Soil	01/23/2025 08:56	GC20 02062539.D	310633

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0010	1	02/06/2025 22:01
a-BHC	ND		0.0010	1	02/06/2025 22:01
b-BHC	ND		0.0010	1	02/06/2025 22:01
d-BHC	ND		0.0010	1	02/06/2025 22:01
g-BHC	ND		0.0010	1	02/06/2025 22:01
Chlordane (Technical)	0.18		0.025	1	02/06/2025 22:01
a-Chlordane	0.021		0.0010	1	02/06/2025 22:01
g-Chlordane	0.014	P	0.0010	1	02/06/2025 22:01
p,p-DDD	0.0060		0.0010	1	02/06/2025 22:01
p,p-DDE	0.11		0.0010	1	02/06/2025 22:01
p,p-DDT	0.022		0.0010	1	02/06/2025 22:01
Dieldrin	0.0039		0.0010	1	02/06/2025 22:01
Endosulfan I	0.013		0.0010	1	02/06/2025 22:01
Endosulfan II	ND		0.0010	1	02/06/2025 22:01
Endosulfan sulfate	ND		0.0010	1	02/06/2025 22:01
Endrin	ND		0.0010	1	02/06/2025 22:01
Endrin aldehyde	ND		0.0010	1	02/06/2025 22:01
Endrin ketone	ND		0.0010	1	02/06/2025 22:01
Heptachlor	ND		0.0010	1	02/06/2025 22:01
Heptachlor epoxide	0.011		0.0010	1	02/06/2025 22:01
Hexachlorobenzene	ND		0.010	1	02/06/2025 22:01
Hexachlorocyclopentadiene	ND		0.020	1	02/06/2025 22:01
Methoxychlor	ND		0.0010	1	02/06/2025 22:01
Toxaphene	ND		0.20	1	02/06/2025 22:01

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	96	60-130	02/06/2025 22:01

Analyst(s): CN

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/03/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RN-2@6"	2501D62-013A	Soil	01/23/2025 08:17	GC20 02062540.D	310633

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0050	5	02/06/2025 22:15
a-BHC	ND		0.0050	5	02/06/2025 22:15
b-BHC	ND		0.0050	5	02/06/2025 22:15
d-BHC	ND		0.0050	5	02/06/2025 22:15
g-BHC	ND		0.0050	5	02/06/2025 22:15
Chlordane (Technical)	ND		0.12	5	02/06/2025 22:15
a-Chlordane	0.022		0.0050	5	02/06/2025 22:15
g-Chlordane	0.012	P	0.0050	5	02/06/2025 22:15
p,p-DDD	ND		0.0050	5	02/06/2025 22:15
p,p-DDE	0.15		0.0050	5	02/06/2025 22:15
p,p-DDT	0.035		0.0050	5	02/06/2025 22:15
Dieldrin	ND		0.0050	5	02/06/2025 22:15
Endosulfan I	ND		0.0050	5	02/06/2025 22:15
Endosulfan II	ND		0.0050	5	02/06/2025 22:15
Endosulfan sulfate	ND		0.0050	5	02/06/2025 22:15
Endrin	ND		0.0050	5	02/06/2025 22:15
Endrin aldehyde	ND		0.0050	5	02/06/2025 22:15
Endrin ketone	ND		0.0050	5	02/06/2025 22:15
Heptachlor	ND		0.0050	5	02/06/2025 22:15
Heptachlor epoxide	ND		0.0050	5	02/06/2025 22:15
Hexachlorobenzene	ND		0.050	5	02/06/2025 22:15
Hexachlorocyclopentadiene	ND		0.10	5	02/06/2025 22:15
Methoxychlor	ND		0.0050	5	02/06/2025 22:15
Toxaphene	ND		1.0	5	02/06/2025 22:15

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	105	60-130	02/06/2025 22:15
Analyst(s): CN		Analytical Comments: a3	

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/03/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RN-2@2'	2501D62-014A	Soil	01/23/2025 09:09	GC20 02062541.D	310633

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0010	1	02/06/2025 22:30
a-BHC	ND		0.0010	1	02/06/2025 22:30
b-BHC	ND		0.0010	1	02/06/2025 22:30
d-BHC	ND		0.0010	1	02/06/2025 22:30
g-BHC	ND		0.0010	1	02/06/2025 22:30
Chlordane (Technical)	ND		0.025	1	02/06/2025 22:30
a-Chlordane	0.0018		0.0010	1	02/06/2025 22:30
g-Chlordane	0.0011	P	0.0010	1	02/06/2025 22:30
p,p-DDD	ND		0.0010	1	02/06/2025 22:30
p,p-DDE	0.015		0.0010	1	02/06/2025 22:30
p,p-DDT	0.0036		0.0010	1	02/06/2025 22:30
Dieldrin	ND		0.0010	1	02/06/2025 22:30
Endosulfan I	0.0015	P	0.0010	1	02/06/2025 22:30
Endosulfan II	ND		0.0010	1	02/06/2025 22:30
Endosulfan sulfate	ND		0.0010	1	02/06/2025 22:30
Endrin	ND		0.0010	1	02/06/2025 22:30
Endrin aldehyde	ND		0.0010	1	02/06/2025 22:30
Endrin ketone	ND		0.0010	1	02/06/2025 22:30
Heptachlor	ND		0.0010	1	02/06/2025 22:30
Heptachlor epoxide	ND		0.0010	1	02/06/2025 22:30
Hexachlorobenzene	ND		0.010	1	02/06/2025 22:30
Hexachlorocyclopentadiene	ND		0.020	1	02/06/2025 22:30
Methoxychlor	ND		0.0010	1	02/06/2025 22:30
Toxaphene	ND		0.20	1	02/06/2025 22:30

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	93	60-130	02/06/2025 22:30

Analyst(s): CN

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/03/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RS-1@2'	2501D62-016A	Soil	01/23/2025 09:55	GC20 02062542.D	310633

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0020	2	02/06/2025 22:45
a-BHC	ND		0.0020	2	02/06/2025 22:45
b-BHC	ND		0.0020	2	02/06/2025 22:45
d-BHC	ND		0.0020	2	02/06/2025 22:45
g-BHC	ND		0.0020	2	02/06/2025 22:45
Chlordane (Technical)	0.47		0.050	2	02/06/2025 22:45
a-Chlordane	0.054		0.0020	2	02/06/2025 22:45
g-Chlordane	0.041	P	0.0020	2	02/06/2025 22:45
p,p-DDD	ND		0.0020	2	02/06/2025 22:45
p,p-DDE	0.18		0.0020	2	02/06/2025 22:45
p,p-DDT	0.052		0.0020	2	02/06/2025 22:45
Dieldrin	0.020		0.0020	2	02/06/2025 22:45
Endosulfan I	0.056	P	0.0020	2	02/06/2025 22:45
Endosulfan II	ND		0.0020	2	02/06/2025 22:45
Endosulfan sulfate	ND		0.0020	2	02/06/2025 22:45
Endrin	ND		0.0020	2	02/06/2025 22:45
Endrin aldehyde	ND		0.0020	2	02/06/2025 22:45
Endrin ketone	ND		0.0020	2	02/06/2025 22:45
Heptachlor	ND		0.0020	2	02/06/2025 22:45
Heptachlor epoxide	0.0052		0.0020	2	02/06/2025 22:45
Hexachlorobenzene	ND		0.020	2	02/06/2025 22:45
Hexachlorocyclopentadiene	ND		0.040	2	02/06/2025 22:45
Methoxychlor	ND		0.0020	2	02/06/2025 22:45
Toxaphene	ND		0.40	2	02/06/2025 22:45

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	108	60-130	02/06/2025 22:45
Analyst(s): CN		Analytical Comments: a3	

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/03/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RS-2@6"	2501D62-017A	Soil	01/23/2025 09:20	GC20 02062543.D	310633

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0010	1	02/06/2025 23:00
a-BHC	ND		0.0010	1	02/06/2025 23:00
b-BHC	ND		0.0010	1	02/06/2025 23:00
d-BHC	ND		0.0010	1	02/06/2025 23:00
g-BHC	ND		0.0010	1	02/06/2025 23:00
Chlordane (Technical)	1.1		0.25	10	02/10/2025 16:46
a-Chlordane	0.081		0.0010	1	02/06/2025 23:00
g-Chlordane	0.065	P	0.0010	1	02/06/2025 23:00
p,p-DDD	0.043		0.0010	1	02/06/2025 23:00
p,p-DDE	0.44		0.010	10	02/10/2025 16:46
p,p-DDT	0.099		0.0010	1	02/06/2025 23:00
Dieldrin	0.022		0.0010	1	02/06/2025 23:00
Endosulfan I	0.047	P	0.0010	1	02/06/2025 23:00
Endosulfan II	ND		0.0010	1	02/06/2025 23:00
Endosulfan sulfate	ND		0.0010	1	02/06/2025 23:00
Endrin	ND		0.0010	1	02/06/2025 23:00
Endrin aldehyde	ND		0.0010	1	02/06/2025 23:00
Endrin ketone	ND		0.0010	1	02/06/2025 23:00
Heptachlor	ND		0.0010	1	02/06/2025 23:00
Heptachlor epoxide	0.0057	P	0.0010	1	02/06/2025 23:00
Hexachlorobenzene	ND		0.010	1	02/06/2025 23:00
Hexachlorocyclopentadiene	ND		0.020	1	02/06/2025 23:00
Methoxychlor	ND		0.0010	1	02/06/2025 23:00
Toxaphene	ND		0.20	1	02/06/2025 23:00

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	112	60-130	02/06/2025 23:00
Analyst(s): CN, EEV		Analytical Comments: a2	

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CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/03/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RS-2@2'	2501D62-018A	Soil	01/23/2025 09:50	GC20 02062544.D	310633

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0050	5	02/06/2025 23:15
a-BHC	ND		0.0050	5	02/06/2025 23:15
b-BHC	ND		0.0050	5	02/06/2025 23:15
d-BHC	ND		0.0050	5	02/06/2025 23:15
g-BHC	ND		0.0050	5	02/06/2025 23:15
Chlordane (Technical)	0.32		0.12	5	02/06/2025 23:15
a-Chlordane	0.025		0.0050	5	02/06/2025 23:15
g-Chlordane	0.023		0.0050	5	02/06/2025 23:15
p,p-DDD	ND		0.0050	5	02/06/2025 23:15
p,p-DDE	0.12		0.0050	5	02/06/2025 23:15
p,p-DDT	0.027		0.0050	5	02/06/2025 23:15
Dieldrin	0.0063		0.0050	5	02/06/2025 23:15
Endosulfan I	0.016	P	0.0050	5	02/06/2025 23:15
Endosulfan II	ND		0.0050	5	02/06/2025 23:15
Endosulfan sulfate	ND		0.0050	5	02/06/2025 23:15
Endrin	ND		0.0050	5	02/06/2025 23:15
Endrin aldehyde	ND		0.0050	5	02/06/2025 23:15
Endrin ketone	ND		0.0050	5	02/06/2025 23:15
Heptachlor	ND		0.0050	5	02/06/2025 23:15
Heptachlor epoxide	ND		0.0050	5	02/06/2025 23:15
Hexachlorobenzene	ND		0.050	5	02/06/2025 23:15
Hexachlorocyclopentadiene	ND		0.10	5	02/06/2025 23:15
Methoxychlor	ND		0.0050	5	02/06/2025 23:15
Toxaphene	ND		1.0	5	02/06/2025 23:15

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	99	60-130	02/06/2025 23:15
Analyst(s): CN		Analytical Comments: a3	

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CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/03/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RE-1@2'	2501D62-021A	Soil	01/23/2025 08:45	GC20 02062545.D	310633

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0020	2	02/06/2025 23:30
a-BHC	ND		0.0020	2	02/06/2025 23:30
b-BHC	ND		0.0020	2	02/06/2025 23:30
d-BHC	ND		0.0020	2	02/06/2025 23:30
g-BHC	ND		0.0020	2	02/06/2025 23:30
Chlordane (Technical)	2.6		0.25	10	02/07/2025 15:51
a-Chlordane	0.29		0.0020	2	02/06/2025 23:30
g-Chlordane	0.34		0.0020	2	02/06/2025 23:30
p,p-DDD	0.047	P	0.0020	2	02/06/2025 23:30
p,p-DDE	0.24		0.0020	2	02/06/2025 23:30
p,p-DDT	0.14		0.0020	2	02/06/2025 23:30
Dieldrin	0.023		0.0020	2	02/06/2025 23:30
Endosulfan I	ND		0.0020	2	02/06/2025 23:30
Endosulfan II	ND		0.0020	2	02/06/2025 23:30
Endosulfan sulfate	ND		0.0020	2	02/06/2025 23:30
Endrin	0.015		0.0020	2	02/06/2025 23:30
Endrin aldehyde	ND		0.0020	2	02/06/2025 23:30
Endrin ketone	ND		0.0020	2	02/06/2025 23:30
Heptachlor	ND		0.0020	2	02/06/2025 23:30
Heptachlor epoxide	0.029		0.0020	2	02/06/2025 23:30
Hexachlorobenzene	ND		0.020	2	02/06/2025 23:30
Hexachlorocyclopentadiene	ND		0.040	2	02/06/2025 23:30
Methoxychlor	ND		0.0020	2	02/06/2025 23:30
Toxaphene	ND		0.40	2	02/06/2025 23:30

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	111	60-130	02/06/2025 23:30

Analyst(s): CN

Analytical Comments: a2,a3

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/03/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RE-2@6"	2501D62-022A	Soil	01/23/2025 08:40	GC20 02062546.D	310633

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.0050	5	02/06/2025 23:45
a-BHC	ND	0.0050	5	02/06/2025 23:45
b-BHC	ND	0.0050	5	02/06/2025 23:45
d-BHC	ND	0.0050	5	02/06/2025 23:45
g-BHC	ND	0.0050	5	02/06/2025 23:45
Chlordane (Technical)	2.1	0.12	5	02/06/2025 23:45
a-Chlordane	0.26	0.0050	5	02/06/2025 23:45
g-Chlordane	0.22	0.0050	5	02/06/2025 23:45
p,p-DDD	ND	0.0050	5	02/06/2025 23:45
p,p-DDE	0.33	0.0050	5	02/06/2025 23:45
p,p-DDT	0.086	0.0050	5	02/06/2025 23:45
Dieldrin	0.087	0.0050	5	02/06/2025 23:45
Endosulfan I	ND	0.0050	5	02/06/2025 23:45
Endosulfan II	ND	0.0050	5	02/06/2025 23:45
Endosulfan sulfate	ND	0.0050	5	02/06/2025 23:45
Endrin	ND	0.0050	5	02/06/2025 23:45
Endrin aldehyde	ND	0.0050	5	02/06/2025 23:45
Endrin ketone	ND	0.0050	5	02/06/2025 23:45
Heptachlor	ND	0.0050	5	02/06/2025 23:45
Heptachlor epoxide	0.016	0.0050	5	02/06/2025 23:45
Hexachlorobenzene	ND	0.050	5	02/06/2025 23:45
Hexachlorocyclopentadiene	ND	0.10	5	02/06/2025 23:45
Methoxychlor	ND	0.0050	5	02/06/2025 23:45
Toxaphene	ND	1.0	5	02/06/2025 23:45

Surrogates	REC (%)	Qualifiers	Limits	
Decachlorobiphenyl	142	S	60-130	02/06/2025 23:45
Analyst(s): CN		Analytical Comments: a3,c4		

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CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/03/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RE-2@2'	2501D62-023A	Soil	01/23/2025 08:50	GC20 02062547.D	310633

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0010	1	02/07/2025 00:00
a-BHC	ND		0.0010	1	02/07/2025 00:00
b-BHC	ND		0.0010	1	02/07/2025 00:00
d-BHC	ND		0.0010	1	02/07/2025 00:00
g-BHC	ND		0.0010	1	02/07/2025 00:00
Chlordane (Technical)	0.17	P	0.025	1	02/07/2025 00:00
a-Chlordane	0.026		0.0010	1	02/07/2025 00:00
g-Chlordane	0.022		0.0010	1	02/07/2025 00:00
p,p-DDD	ND		0.0010	1	02/07/2025 00:00
p,p-DDE	0.038		0.0010	1	02/07/2025 00:00
p,p-DDT	0.0082		0.0010	1	02/07/2025 00:00
Dieldrin	0.0097		0.0010	1	02/07/2025 00:00
Endosulfan I	ND		0.0010	1	02/07/2025 00:00
Endosulfan II	ND		0.0010	1	02/07/2025 00:00
Endosulfan sulfate	ND		0.0010	1	02/07/2025 00:00
Endrin	ND		0.0010	1	02/07/2025 00:00
Endrin aldehyde	ND		0.0010	1	02/07/2025 00:00
Endrin ketone	ND		0.0010	1	02/07/2025 00:00
Heptachlor	ND		0.0010	1	02/07/2025 00:00
Heptachlor epoxide	0.0016		0.0010	1	02/07/2025 00:00
Hexachlorobenzene	ND		0.010	1	02/07/2025 00:00
Hexachlorocyclopentadiene	ND		0.020	1	02/07/2025 00:00
Methoxychlor	ND		0.0010	1	02/07/2025 00:00
Toxaphene	ND		0.20	1	02/07/2025 00:00

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	96	60-130	02/07/2025 00:00

Analyst(s): CN

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/03/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RW-1@2'	2501D62-025A	Soil	01/23/2025 08:22	GC20 02062555.D	310633

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0010	1	02/07/2025 02:00
a-BHC	ND		0.0010	1	02/07/2025 02:00
b-BHC	ND		0.0010	1	02/07/2025 02:00
d-BHC	ND		0.0010	1	02/07/2025 02:00
g-BHC	ND		0.0010	1	02/07/2025 02:00
Chlordane (Technical)	0.13		0.025	1	02/07/2025 02:00
a-Chlordane	0.013		0.0010	1	02/07/2025 02:00
g-Chlordane	0.011	P	0.0010	1	02/07/2025 02:00
p,p-DDD	0.0076		0.0010	1	02/07/2025 02:00
p,p-DDE	0.062		0.0010	1	02/07/2025 02:00
p,p-DDT	0.047		0.0010	1	02/07/2025 02:00
Dieldrin	0.0043		0.0010	1	02/07/2025 02:00
Endosulfan I	ND		0.0010	1	02/07/2025 02:00
Endosulfan II	ND		0.0010	1	02/07/2025 02:00
Endosulfan sulfate	ND		0.0010	1	02/07/2025 02:00
Endrin	ND		0.0010	1	02/07/2025 02:00
Endrin aldehyde	0.0039		0.0010	1	02/07/2025 02:00
Endrin ketone	ND		0.0010	1	02/07/2025 02:00
Heptachlor	ND		0.0010	1	02/07/2025 02:00
Heptachlor epoxide	ND		0.0010	1	02/07/2025 02:00
Hexachlorobenzene	ND		0.010	1	02/07/2025 02:00
Hexachlorocyclopentadiene	ND		0.020	1	02/07/2025 02:00
Methoxychlor	ND		0.0010	1	02/07/2025 02:00
Toxaphene	ND		0.20	1	02/07/2025 02:00

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	96	60-130	02/07/2025 02:00

Analyst(s): CN

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CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/03/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RW-2@6"	2501D62-026A	Soil	01/23/2025 08:14	GC20 02062556.D	310633

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0020	2	02/07/2025 02:16
a-BHC	ND		0.0020	2	02/07/2025 02:16
b-BHC	ND		0.0020	2	02/07/2025 02:16
d-BHC	ND		0.0020	2	02/07/2025 02:16
g-BHC	ND		0.0020	2	02/07/2025 02:16
Chlordane (Technical)	0.73		0.050	2	02/07/2025 02:16
a-Chlordane	0.068		0.0020	2	02/07/2025 02:16
g-Chlordane	0.069		0.0020	2	02/07/2025 02:16
p,p-DDD	0.075		0.0020	2	02/07/2025 02:16
p,p-DDE	0.86		0.010	10	02/07/2025 16:06
p,p-DDT	0.50		0.010	10	02/07/2025 16:06
Dieldrin	ND		0.0020	2	02/07/2025 02:16
Endosulfan I	0.029	P	0.0020	2	02/07/2025 02:16
Endosulfan II	ND		0.0020	2	02/07/2025 02:16
Endosulfan sulfate	ND		0.0020	2	02/07/2025 02:16
Endrin	ND		0.0020	2	02/07/2025 02:16
Endrin aldehyde	ND		0.0020	2	02/07/2025 02:16
Endrin ketone	ND		0.0020	2	02/07/2025 02:16
Heptachlor	ND		0.0020	2	02/07/2025 02:16
Heptachlor epoxide	0.0052	P	0.0020	2	02/07/2025 02:16
Hexachlorobenzene	ND		0.020	2	02/07/2025 02:16
Hexachlorocyclopentadiene	ND		0.040	2	02/07/2025 02:16
Methoxychlor	ND		0.0020	2	02/07/2025 02:16
Toxaphene	ND		0.40	2	02/07/2025 02:16

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	115	60-130	02/07/2025 02:16
Analyst(s): CN		Analytical Comments: a2,a3	

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/03/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RW-2@2'	2501D62-027A	Soil	01/23/2025 08:34	GC20 02062557.D	310633

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.0050	5	02/07/2025 02:31
a-BHC	ND	0.0050	5	02/07/2025 02:31
b-BHC	ND	0.0050	5	02/07/2025 02:31
d-BHC	ND	0.0050	5	02/07/2025 02:31
g-BHC	ND	0.0050	5	02/07/2025 02:31
Chlordane (Technical)	ND	0.12	5	02/07/2025 02:31
a-Chlordane	0.010	0.0050	5	02/07/2025 02:31
g-Chlordane	0.0076	0.0050	5	02/07/2025 02:31
p,p-DDD	0.019	0.0050	5	02/07/2025 02:31
p,p-DDE	0.24	0.0050	5	02/07/2025 02:31
p,p-DDT	0.17	0.0050	5	02/07/2025 02:31
Dieldrin	ND	0.0050	5	02/07/2025 02:31
Endosulfan I	ND	0.0050	5	02/07/2025 02:31
Endosulfan II	ND	0.0050	5	02/07/2025 02:31
Endosulfan sulfate	ND	0.0050	5	02/07/2025 02:31
Endrin	ND	0.0050	5	02/07/2025 02:31
Endrin aldehyde	ND	0.0050	5	02/07/2025 02:31
Endrin ketone	ND	0.0050	5	02/07/2025 02:31
Heptachlor	ND	0.0050	5	02/07/2025 02:31
Heptachlor epoxide	ND	0.0050	5	02/07/2025 02:31
Hexachlorobenzene	ND	0.050	5	02/07/2025 02:31
Hexachlorocyclopentadiene	ND	0.10	5	02/07/2025 02:31
Methoxychlor	ND	0.0050	5	02/07/2025 02:31
Toxaphene	ND	1.0	5	02/07/2025 02:31

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	111	60-130	02/07/2025 02:31
Analyst(s): CN		Analytical Comments: a3	

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/03/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RW-2@6"(dup)	2501D62-028A	Soil	01/23/2025 08:41	GC20 02062558.D	310633

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0050	5	02/07/2025 02:46
a-BHC	ND		0.0050	5	02/07/2025 02:46
b-BHC	ND		0.0050	5	02/07/2025 02:46
d-BHC	ND		0.0050	5	02/07/2025 02:46
g-BHC	ND		0.0050	5	02/07/2025 02:46
Chlordane (Technical)	0.46		0.12	5	02/07/2025 02:46
a-Chlordane	0.030		0.0050	5	02/07/2025 02:46
g-Chlordane	0.032		0.0050	5	02/07/2025 02:46
p,p-DDD	0.12		0.0050	5	02/07/2025 02:46
p,p-DDE	2.0		0.020	20	02/07/2025 16:21
p,p-DDT	2.6		0.020	20	02/07/2025 16:21
Dieldrin	ND		0.0050	5	02/07/2025 02:46
Endosulfan I	0.019	P	0.0050	5	02/07/2025 02:46
Endosulfan II	ND		0.0050	5	02/07/2025 02:46
Endosulfan sulfate	0.024		0.0050	5	02/07/2025 02:46
Endrin	ND		0.0050	5	02/07/2025 02:46
Endrin aldehyde	ND		0.0050	5	02/07/2025 02:46
Endrin ketone	ND		0.0050	5	02/07/2025 02:46
Heptachlor	ND		0.0050	5	02/07/2025 02:46
Heptachlor epoxide	ND		0.0050	5	02/07/2025 02:46
Hexachlorobenzene	ND		0.050	5	02/07/2025 02:46
Hexachlorocyclopentadiene	ND		0.10	5	02/07/2025 02:46
Methoxychlor	ND		0.0050	5	02/07/2025 02:46
Toxaphene	ND		1.0	5	02/07/2025 02:46

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	83	60-130	02/07/2025 02:46
Analyst(s): CN		Analytical Comments: a2,a3	



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/04/2025-02/06/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
RN-1@2'	2501D62-012A	Soil	01/23/2025 08:56		ICP-MS4 120SMPL.d	310628
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Date Analyzed</u>
Lead	9.3		0.50	1		02/04/2025 16:04
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	97		70-130			02/04/2025 16:04
<u>Analyst(s):</u> AL						

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
RN-2@6"	2501D62-013A	Soil	01/23/2025 08:17		ICP-MS5 116SMPL.d	310749
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>	
Lead	34		0.50	1	02/06/2025 12:00	
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	88		70-130		02/06/2025 12:00	
<u>Analyst(s):</u> AL						

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
RN-2@2'	2501D62-014A	Soil	01/23/2025 09:09		ICP-MS4 247SMPL.d	310863
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>	
Lead	8.5		0.50	1	02/06/2025 16:37	
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	95		70-130		02/06/2025 16:37	
<u>Analyst(s):</u> AL						

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/04/2025-02/06/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
RS-1@2'	2501D62-016A	Soil	01/23/2025 09:55		ICP-MS4 251SMPL.d	310863
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Date Analyzed</u>
Lead	19		0.50	1		02/06/2025 16:54
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	90		70-130			02/06/2025 16:54
<u>Analyst(s):</u> AL						

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
RS-2@6"	2501D62-017A	Soil	01/23/2025 09:20		ICP-MS4 252SMPL.d	310863
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>	
Lead	29		0.50	1	02/06/2025 16:58	
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	96		70-130		02/06/2025 16:58	
<u>Analyst(s):</u> AL						

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
RS-2@2'	2501D62-018A	Soil	01/23/2025 09:50		ICP-MS4 255SMPL.d	310863
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>	
Lead	21		0.50	1	02/06/2025 17:10	
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	96		70-130		02/06/2025 17:10	
<u>Analyst(s):</u> DB						

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/04/2025-02/06/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
RE-1@2'	2501D62-021A	Soil	01/23/2025 08:45		ICP-MS4 256SMPL.d	310863
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>	
Lead	12		0.50	1	02/06/2025 17:14	
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	97		70-130		02/06/2025 17:14	
<u>Analyst(s):</u> DB						

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
RE-2@6"	2501D62-022A	Soil	01/23/2025 08:40		ICP-MS4 257SMPL.d	310863
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>	
Lead	40		0.50	1	02/06/2025 17:18	
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	103		70-130		02/06/2025 17:18	
<u>Analyst(s):</u> DB						

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
RE-2@2'	2501D62-023A	Soil	01/23/2025 08:50		ICP-MS4 258SMPL.d	310863
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>	
Lead	9.0		0.50	1	02/06/2025 17:22	
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	96		70-130		02/06/2025 17:22	
<u>Analyst(s):</u> DB						

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/04/2025-02/06/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RW-1@2'	2501D62-025A	Soil	01/23/2025 08:22	ICP-MS4 259SMPL.d	310863

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	10	0.50	1	02/06/2025 17:26

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	92	70-130	02/06/2025 17:26

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RW-2@6"	2501D62-026A	Soil	01/23/2025 08:14	ICP-MS4 260SMPL.d	310863

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	34	0.50	1	02/06/2025 17:30

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	97	70-130	02/06/2025 17:30

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RW-2@2'	2501D62-027A	Soil	01/23/2025 08:34	ICP-MS4 261SMPL.d	310863

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Date Analyzed</u>
Lead	23	0.50	1	02/06/2025 17:34

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	89	70-130	02/06/2025 17:34

Analyst(s): DB

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 01/23/2025 17:03
Date Prepared: 02/04/2025-02/06/2025
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
RW-2@6"(dup)	2501D62-028A	Soil	01/23/2025 08:41	ICP-MS4 262SMPL.d	310863

Analytes	Result	RL	DE	Date Analyzed
Lead	29	0.50	1	02/06/2025 17:38

Surrogates	REC (%)	Limits	
Terbium	102	70-130	02/06/2025 17:38

Analyst(s): DB



Quality Control Report

Client: Enviro Assessment PC

Date Prepared: 02/03/2025

Date Analyzed: 02/06/2025

Instrument: GC20

Matrix: Soil

Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62

BatchID: 310633

Extraction Method: SW3550B

Analytical Method: SW8081B

Unit: mg/kg

Sample ID: MB/LCS/LCSD-310633

QC Summary Report for SW8081B

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Aldrin	ND	0.00042	0.0010	-	-	-
a-BHC	ND	0.00045	0.0010	-	-	-
b-BHC	ND	0.00038	0.0010	-	-	-
d-BHC	ND	0.00036	0.0010	-	-	-
g-BHC	ND	0.00036	0.0010	-	-	-
Chlordane (Technical)	ND	0.010	0.025	-	-	-
a-Chlordane	ND	0.00035	0.0010	-	-	-
g-Chlordane	ND	0.00067	0.0010	-	-	-
p,p-DDD	ND	0.00057	0.0010	-	-	-
p,p-DDE	ND	0.00034	0.0010	-	-	-
p,p-DDT	ND	0.00043	0.0010	-	-	-
Dieldrin	ND	0.00041	0.0010	-	-	-
Endosulfan I	ND	0.00040	0.0010	-	-	-
Endosulfan II	ND	0.00051	0.0010	-	-	-
Endosulfan sulfate	ND	0.00040	0.0010	-	-	-
Endrin	ND	0.00045	0.0010	-	-	-
Endrin aldehyde	ND	0.00045	0.0010	-	-	-
Endrin ketone	ND	0.00042	0.0010	-	-	-
Heptachlor	ND	0.00067	0.0010	-	-	-
Heptachlor epoxide	ND	0.00041	0.0010	-	-	-
Hexachlorobenzene	ND	0.00038	0.010	-	-	-
Hexachlorocyclopentadiene	ND	0.00064	0.020	-	-	-
Methoxychlor	ND	0.00063	0.0010	-	-	-
Toxaphene	ND	0.064	0.20	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.045			0.05	89	70-130

(Cont.)

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Quality Control Report

Client: Enviro Assessment PC

Date Prepared: 02/03/2025

Date Analyzed: 02/06/2025

Instrument: GC20

Matrix: Soil

Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62

BatchID: 310633

Extraction Method: SW3550B

Analytical Method: SW8081B

Unit: mg/kg

Sample ID: MB/LCS/LCSD-310633

QC Summary Report for SW8081B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.054	0.054	0.050	107	109	70-130	1.38	20
a-BHC	0.052	0.053	0.050	104	107	70-130	2.74	20
b-BHC	0.049	0.050	0.050	98	99	70-130	1.12	20
d-BHC	0.052	0.053	0.050	105	106	70-130	1.29	20
g-BHC	0.054	0.054	0.050	108	109	70-130	1.29	20
a-Chlordane	0.053	0.054	0.050	107	108	70-130	1.05	20
g-Chlordane	0.054	0.055	0.050	108	109	70-130	1.27	20
p,p-DDD	0.052	0.052	0.050	104	105	70-130	0.288	20
p,p-DDE	0.056	0.056	0.050	112	112	70-130	0.184	20
p,p-DDT	0.053	0.052	0.050	107	104	70-130	2.61	20
Dieldrin	0.053	0.054	0.050	106	107	70-130	0.671	20
Endosulfan I	0.052	0.052	0.050	104	105	70-130	0.293	20
Endosulfan II	0.052	0.052	0.050	104	104	70-130	0.222	20
Endosulfan sulfate	0.053	0.052	0.050	105	104	70-130	0.764	20
Endrin	0.058	0.057	0.050	115	114	70-130	1.18	20
Endrin aldehyde	0.052	0.052	0.050	104	104	70-130	0.0316	20
Endrin ketone	0.054	0.053	0.050	107	105	70-130	1.52	20
Heptachlor	0.059	0.060	0.050	118	119	70-130	1.03	20
Heptachlor epoxide	0.053	0.054	0.050	106	107	70-130	1.21	20
Hexachlorobenzene	0.048	0.049	0.050	96	98	70-130	1.40	20
Hexachlorocyclopentadiene	0.051	0.052	0.050	101	104	50-130	2.45	20
Methoxychlor	0.052	0.051	0.050	105	102	70-130	3.12	20
Surrogate Recovery								
Decachlorobiphenyl	0.052	0.048	0.050	103	96	70-130	7.78	20



Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 02/04/2025
Date Analyzed: 02/04/2025
Instrument: ICP-MS4
Matrix: Soil
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
BatchID: 310628
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg
Sample ID: MB/LCS/LCSD-310628
2501D62-012AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Lead	ND	0.11	0.50	-	-	-

Surrogate Recovery

Terbium	520			500	104	70-130
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Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	48	50	50	97	99	75-125	2.64	20

Surrogate Recovery

Terbium	510	530	500	102	106	70-130	3.73	20
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Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	1	64	58	50	9.333	109	98	75-125	9.23	20

Surrogate Recovery

Terbium	1	520	510	500		104	102	70-130	2.20	20
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Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	9.3	9.3	0.782	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

(Cont.)



Quality Control Report

Client: Enviro Assessment PC

Date Prepared: 02/05/2025

Date Analyzed: 02/05/2025

Instrument: ICP-MS6

Matrix: Soil

Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62

BatchID: 310749

Extraction Method: SW3050B

Analytical Method: SW6020

Unit: mg/kg

Sample ID: MB/LCS/LCSD-310749

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Lead	ND	0.11	0.50	-	-	-

Surrogate Recovery

Terbium	490			500	98	70-130
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Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	51	51	50	102	101	75-125	1.02	20

Surrogate Recovery

Terbium	500	490	500	100	99	70-130	1.15	20
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(Cont.)

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Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 02/06/2025
Date Analyzed: 02/06/2025
Instrument: ICP-MS4
Matrix: Soil
Project: 2024-12-14; Madera Drive Property

WorkOrder: 2501D62
BatchID: 310863
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg
Sample ID: MB/LCS/LCSD-310863
2501D62-014AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Lead	ND	0.11	0.50	-	-	-

Surrogate Recovery

Terbium	510			500	101	70-130
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Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Lead	49	49	50	99	99	75-125	0.0628	20

Surrogate Recovery

Terbium	490	480	500	97	96	70-130	1.26	20
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Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Lead	1	55	58	50	8.484	92	99	75-125	5.38	20

Surrogate Recovery

Terbium	1	460	480	500		92	95	70-130	2.93	20
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Analyte	DLT Result	DLTRef Val	%D	%D Limit
Lead	8.7	8.5	2.02	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2501D62 A

ClientCode: EAVS

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

Report to:

James Robinson
Enviro Assessment PC
1869 E Seltice Way #570
Post Falls, ID 83854
877-629-6838 FAX: 877-623-5493

Email: james@enviroassess.com
cc/3rd Party: service@enviroassessment.com;
PO:
Project: 2024-12-14; Madera Drive Property

Bill to:

James Robinson
Enviro Assess
1869 E Seltice Way #570
Post Falls, ID 83854
james@enviroassess.com; fabiola@env

Requested TAT: 5 days;

Date Received: 01/23/2025

Date Logged: 01/23/2025

Date Add-On: 02/03/2025

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2501D62-012	RN-1@2'	Soil	1/23/2025 08:56	☐	A	A	A									
2501D62-013	RN-2@6"	Soil	1/23/2025 08:17	☐	A	A	A									
2501D62-014	RN-2@2'	Soil	1/23/2025 09:09	☐	A	A	A									
2501D62-016	RS-1@2'	Soil	1/23/2025 09:55	☐	A	A	A									
2501D62-017	RS-2@6"	Soil	1/23/2025 09:20	☐	A	A	A									
2501D62-018	RS-2@2'	Soil	1/23/2025 09:50	☐	A	A	A									
2501D62-021	RE-1@2'	Soil	1/23/2025 08:45	☐	A	A	A									
2501D62-022	RE-2@6"	Soil	1/23/2025 08:40	☐	A	A	A									
2501D62-023	RE-2@2'	Soil	1/23/2025 08:50	☐	A	A	A									
2501D62-025	RW-1@2'	Soil	1/23/2025 08:22	☐	A	A	A									
2501D62-026	RW-2@6"	Soil	1/23/2025 08:14	☐	A	A	A									
2501D62-027	RW-2@2'	Soil	1/23/2025 08:34	☐	A	A	A									
2501D62-028	RW-2@6"(dup)	Soil	1/23/2025 08:41	☐	A	A	A									

Test Legend:

1	8081_S	2	METALSMS_TTLC_S	3	PRHOLD Credit	4	
5		6		7		8	
9		10		11		12	

Prepared by: Emily Perez

Add-On Prepared By: Maria Venegas

Comments: samples off HOLD 2/3/25 STAT.

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



WORK ORDER SUMMARY

Client Name: ENVIRO ASSESSMENT PC

Project: 2024-12-14; Madera Drive Property

Work Order: 2501D62

Client Contact: James Robinson

QC Level: LEVEL 2

Contact's Email james@enviroassess.com

Comments: samples off HOLD 2/3/25 STAT.

Date Logged: 1/23/2025

Date Add-On: 2/3/2025

LabID	ClientSampID	Matrix	Test Name	Cont. /Comp	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
012A	RN-1@2'	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 8:56	5 days	2/10/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/10/2025		☐	☐
013A	RN-2@6"	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 8:17	5 days	2/10/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/10/2025		☐	☐
014A	RN-2@2'	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 9:09	5 days	2/10/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/10/2025		☐	☐
016A	RS-1@2'	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 9:55	5 days	2/10/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/10/2025		☐	☐
017A	RS-2@6"	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 9:20	5 days	2/10/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/10/2025		☐	☐
018A	RS-2@2'	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 9:50	5 days	2/10/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/10/2025		☐	☐
021A	RE-1@2'	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 8:45	5 days	2/10/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/10/2025		☐	☐

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

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

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

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

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



WORK ORDER SUMMARY

Client Name: ENVIRO ASSESSMENT PC

Project: 2024-12-14; Madera Drive Property

Work Order: 2501D62

Client Contact: James Robinson

QC Level: LEVEL 2

Contact's Email james@enviroassess.com

Comments: samples off HOLD 2/3/25 STAT.

Date Logged: 1/23/2025

Date Add-On: 2/3/2025

LabID	ClientSampID	Matrix	Test Name	Cont. /Comp	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
022A	RE-2@6"	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 8:40	5 days	2/10/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/10/2025		☐	☐
023A	RE-2@2'	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 8:50	5 days	2/10/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/10/2025		☐	☐
025A	RW-1@2'	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 8:22	5 days	2/10/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/10/2025		☐	☐
026A	RW-2@6"	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 8:14	5 days	2/10/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/10/2025		☐	☐
027A	RW-2@2'	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 8:34	5 days	2/10/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/10/2025		☐	☐
028A	RW-2@6"(dup)	Soil	SW6020 (Metals) <Lead>	1	Plastic Baggie, Small	☐	☐	☐	1/23/2025 8:41	5 days	2/10/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/10/2025		☐	☐

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

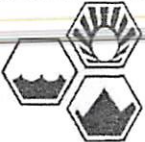
- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

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

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

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

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None

 McCAMPBELL ANALYTICAL, INC. 1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701 Telephone: (877) 252-9262 / Fax: (925) 252-9269 www.mccampbell.com main@mccampbell.com						CHAIN OF CUSTODY RECORD																				
						Turn Around Time: 1 Day Rush				2 Day Rush		3 Day Rush		STD ●		Quote #										
J-Flag / MDL				ESL		Cleanup Approved				Dry Weight		Bottle Order #														
Delivery Format: PDF				GeoTracker EDF				EDD		Write On (DW)				Detect Summary												
Report To: James Robinson Bill To: James Robinson						Analysis Requested																				
Company: Enviro Assessment, PC						HOLD SAMPLES *																				
Email: james@enviroassessment.com (New Email)																										
Alt Email: Service@enviroassessment.com Tele: 844-742-7311																										
Project Name: Madera Drive Property Project #: 2024-12-014																										
Project Location: Cupertino, CA PO #																										
Sampler Signature: <i>Stacy Ashe</i>																										
SAMPLE ID Location / Field Point		Sampling		#Containers	Matrix	Preservative	OCs	Arsenic	Lead																	
		Date	Time																							
RE-1@6"		1/23/25	0756	0825	Soil	ice	●		●																	
RE-1@2'		1/23/25	0845	1	Soil	ice	X		X	●																
RE-2@6"		1/23/25	0814	0849	Soil	ice	X		X	●																
RE-2@2'		1/23/25	0850	1	Soil	ice	X		X	●																
RW-1@6"		1/23/25	0756	1	Soil	ice	●		●																	
RW-1@2'		1/23/25	0922	1	Soil	ice	X		X	●																
RW-2@6"		1/23/25	0914	1	Soil	ice	X		X	●																
RW-2@2'		1/23/25	0834	1	Soil	ice	X		X	●																
RW-2@6" (dup)		1/23/25	0841	1	Soil	ice	X		X	●																
MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.																										
* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.																Comments / Instructions NO ESL										
Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.																										
Relinquished By / Company Name				Date		Time		Received By / Company Name				Date		Time												
<i>Stacy Ashe / Enviro Assessment PC</i>				1/23/25		1703		<i>[Signature]</i>				1/23/25		1703												

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None

Temp _____ °C Initials _____



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2502818

Report Created for: Enviro Assessment PC

1869 E Seltice Way #570
Post Falls, ID 83854

Project Contact: James Robinson

Project P.O.:

Project: 2024-12-014; Madera Drive Property

Project Location: Cupertino, CA

Project Received: 02/12/2025

Analytical Report reviewed & approved for release on 02/20/2025 by:

Yen Cao

Yen Cao

Project Manager

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





Glossary of Terms & Qualifier Definitions

Client: Enviro Assessment PC

WorkOrder: 2502818

Project: 2024-12-014; Madera Drive Property

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.



Glossary of Terms & Qualifier Definitions

Client: Enviro Assessment PC

WorkOrder: 2502818

Project: 2024-12-014; Madera Drive Property

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	"Too Numerous to Count;" greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

Analytical Qualifiers

P	Agreement between the quantitative dual-column confirmation results exceed method recommended limits of 40% RPD. The lowest concentration is reported.
a3	Sample diluted due to high organic content interfering with quantitative/or qualitative analysis.

Quality Control Qualifiers

F1	MS/MSD recovery and/or RPD is out of acceptance criteria.
F2	LCS/LCSD recovery and/or RPD/RSD is out of acceptance criteria.



Analytical Report

Client: Enviro Assessment PC
Date Received: 02/12/2025 11:13
Date Prepared: 02/12/2025
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-1 @ 3'	2502818-001A	Soil	02/12/2025 09:19	GC40 02122593.d	311286

Analytes	Result	Qualifiers	RL	DE	Date Analyzed
Aldrin	ND		0.0010	1	02/13/2025 06:37
a-BHC	ND		0.0010	1	02/13/2025 06:37
b-BHC	ND		0.0010	1	02/13/2025 06:37
d-BHC	ND		0.0010	1	02/13/2025 06:37
g-BHC	ND		0.0010	1	02/13/2025 06:37
Chlordane (Technical)	ND		0.025	1	02/13/2025 06:37
a-Chlordane	0.0010		0.0010	1	02/13/2025 06:37
g-Chlordane	0.0010		0.0010	1	02/13/2025 06:37
p,p-DDD	0.0019	P	0.0010	1	02/13/2025 06:37
p,p-DDE	0.064		0.0010	1	02/13/2025 06:37
p,p-DDT	0.018		0.0010	1	02/13/2025 06:37
Dieldrin	ND		0.0010	1	02/13/2025 06:37
Endosulfan I	ND		0.0010	1	02/13/2025 06:37
Endosulfan II	ND		0.0010	1	02/13/2025 06:37
Endosulfan sulfate	ND		0.0010	1	02/13/2025 06:37
Endrin	ND		0.0010	1	02/13/2025 06:37
Endrin aldehyde	ND		0.0010	1	02/13/2025 06:37
Endrin ketone	ND		0.0010	1	02/13/2025 06:37
Heptachlor	ND		0.0010	1	02/13/2025 06:37
Heptachlor epoxide	ND		0.0010	1	02/13/2025 06:37
Hexachlorobenzene	ND		0.010	1	02/13/2025 06:37
Hexachlorocyclopentadiene	ND		0.020	1	02/13/2025 06:37
Methoxychlor	ND		0.0010	1	02/13/2025 06:37
Toxaphene	ND		0.20	1	02/13/2025 06:37

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	93	60-130	02/13/2025 06:37
Analyst(s): EEV			

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 02/12/2025 11:13
Date Prepared: 02/12/2025
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-2 @ 3'	2502818-003A	Soil	02/12/2025 08:40	GC40 02122571.d	311286

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.0020	2	02/13/2025 01:13
a-BHC	ND	0.0020	2	02/13/2025 01:13
b-BHC	ND	0.0020	2	02/13/2025 01:13
d-BHC	ND	0.0020	2	02/13/2025 01:13
g-BHC	ND	0.0020	2	02/13/2025 01:13
Chlordane (Technical)	ND	0.050	2	02/13/2025 01:13
a-Chlordane	ND	0.0020	2	02/13/2025 01:13
g-Chlordane	ND	0.0020	2	02/13/2025 01:13
p,p-DDD	ND	0.0020	2	02/13/2025 01:13
p,p-DDE	0.029	0.0020	2	02/13/2025 01:13
p,p-DDT	0.015	0.0020	2	02/13/2025 01:13
Dieldrin	ND	0.0020	2	02/13/2025 01:13
Endosulfan I	ND	0.0020	2	02/13/2025 01:13
Endosulfan II	ND	0.0020	2	02/13/2025 01:13
Endosulfan sulfate	ND	0.0020	2	02/13/2025 01:13
Endrin	ND	0.0020	2	02/13/2025 01:13
Endrin aldehyde	ND	0.0020	2	02/13/2025 01:13
Endrin ketone	ND	0.0020	2	02/13/2025 01:13
Heptachlor	ND	0.0020	2	02/13/2025 01:13
Heptachlor epoxide	ND	0.0020	2	02/13/2025 01:13
Hexachlorobenzene	ND	0.020	2	02/13/2025 01:13
Hexachlorocyclopentadiene	ND	0.040	2	02/13/2025 01:13
Methoxychlor	ND	0.0020	2	02/13/2025 01:13
Toxaphene	ND	0.40	2	02/13/2025 01:13

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	95	60-130	02/13/2025 01:13
Analyst(s): EEV		Analytical Comments: a3	

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 02/12/2025 11:13
Date Prepared: 02/12/2025
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-3 @ 3'	2502818-005A	Soil	02/12/2025 08:55	GC40 02122572.d	311286

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.0010	1	02/13/2025 01:28
a-BHC	ND	0.0010	1	02/13/2025 01:28
b-BHC	ND	0.0010	1	02/13/2025 01:28
d-BHC	ND	0.0010	1	02/13/2025 01:28
g-BHC	ND	0.0010	1	02/13/2025 01:28
Chlordane (Technical)	ND	0.025	1	02/13/2025 01:28
a-Chlordane	ND	0.0010	1	02/13/2025 01:28
g-Chlordane	ND	0.0010	1	02/13/2025 01:28
p,p-DDD	ND	0.0010	1	02/13/2025 01:28
p,p-DDE	ND	0.0010	1	02/13/2025 01:28
p,p-DDT	ND	0.0010	1	02/13/2025 01:28
Dieldrin	ND	0.0010	1	02/13/2025 01:28
Endosulfan I	ND	0.0010	1	02/13/2025 01:28
Endosulfan II	ND	0.0010	1	02/13/2025 01:28
Endosulfan sulfate	ND	0.0010	1	02/13/2025 01:28
Endrin	ND	0.0010	1	02/13/2025 01:28
Endrin aldehyde	ND	0.0010	1	02/13/2025 01:28
Endrin ketone	ND	0.0010	1	02/13/2025 01:28
Heptachlor	ND	0.0010	1	02/13/2025 01:28
Heptachlor epoxide	ND	0.0010	1	02/13/2025 01:28
Hexachlorobenzene	ND	0.010	1	02/13/2025 01:28
Hexachlorocyclopentadiene	ND	0.020	1	02/13/2025 01:28
Methoxychlor	ND	0.0010	1	02/13/2025 01:28
Toxaphene	ND	0.20	1	02/13/2025 01:28

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	92	60-130	02/13/2025 01:28

Analyst(s): EEV

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 02/12/2025 11:13
Date Prepared: 02/12/2025
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-4 @ 3'	2502818-007A	Soil	02/12/2025 09:10	GC40 02122586.d	311286

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.0010	1	02/13/2025 04:54
a-BHC	ND	0.0010	1	02/13/2025 04:54
b-BHC	ND	0.0010	1	02/13/2025 04:54
d-BHC	ND	0.0010	1	02/13/2025 04:54
g-BHC	ND	0.0010	1	02/13/2025 04:54
Chlordane (Technical)	ND	0.025	1	02/13/2025 04:54
a-Chlordane	ND	0.0010	1	02/13/2025 04:54
g-Chlordane	ND	0.0010	1	02/13/2025 04:54
p,p-DDD	ND	0.0010	1	02/13/2025 04:54
p,p-DDE	0.015	0.0010	1	02/13/2025 04:54
p,p-DDT	0.0020	0.0010	1	02/13/2025 04:54
Dieldrin	ND	0.0010	1	02/13/2025 04:54
Endosulfan I	ND	0.0010	1	02/13/2025 04:54
Endosulfan II	ND	0.0010	1	02/13/2025 04:54
Endosulfan sulfate	ND	0.0010	1	02/13/2025 04:54
Endrin	ND	0.0010	1	02/13/2025 04:54
Endrin aldehyde	ND	0.0010	1	02/13/2025 04:54
Endrin ketone	ND	0.0010	1	02/13/2025 04:54
Heptachlor	ND	0.0010	1	02/13/2025 04:54
Heptachlor epoxide	ND	0.0010	1	02/13/2025 04:54
Hexachlorobenzene	ND	0.010	1	02/13/2025 04:54
Hexachlorocyclopentadiene	ND	0.020	1	02/13/2025 04:54
Methoxychlor	ND	0.0010	1	02/13/2025 04:54
Toxaphene	ND	0.20	1	02/13/2025 04:54

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	92	60-130	02/13/2025 04:54
Analyst(s): EEV			

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 02/12/2025 11:13
Date Prepared: 02/12/2025
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-3 @ 3' DUP	2502818-009A	Soil	02/12/2025 08:55	GC40 02122573.d	311286

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.0010	1	02/13/2025 01:43
a-BHC	ND	0.0010	1	02/13/2025 01:43
b-BHC	ND	0.0010	1	02/13/2025 01:43
d-BHC	ND	0.0010	1	02/13/2025 01:43
g-BHC	ND	0.0010	1	02/13/2025 01:43
Chlordane (Technical)	ND	0.025	1	02/13/2025 01:43
a-Chlordane	ND	0.0010	1	02/13/2025 01:43
g-Chlordane	ND	0.0010	1	02/13/2025 01:43
p,p-DDD	ND	0.0010	1	02/13/2025 01:43
p,p-DDE	ND	0.0010	1	02/13/2025 01:43
p,p-DDT	ND	0.0010	1	02/13/2025 01:43
Dieldrin	ND	0.0010	1	02/13/2025 01:43
Endosulfan I	ND	0.0010	1	02/13/2025 01:43
Endosulfan II	ND	0.0010	1	02/13/2025 01:43
Endosulfan sulfate	ND	0.0010	1	02/13/2025 01:43
Endrin	ND	0.0010	1	02/13/2025 01:43
Endrin aldehyde	ND	0.0010	1	02/13/2025 01:43
Endrin ketone	ND	0.0010	1	02/13/2025 01:43
Heptachlor	ND	0.0010	1	02/13/2025 01:43
Heptachlor epoxide	ND	0.0010	1	02/13/2025 01:43
Hexachlorobenzene	ND	0.010	1	02/13/2025 01:43
Hexachlorocyclopentadiene	ND	0.020	1	02/13/2025 01:43
Methoxychlor	ND	0.0010	1	02/13/2025 01:43
Toxaphene	ND	0.20	1	02/13/2025 01:43

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	88	60-130	02/13/2025 01:43
Analyst(s): EEV			



Analytical Report

Client: Enviro Assessment PC
Date Received: 02/12/2025 11:13
Date Prepared: 02/13/2025
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-1 @ 3'	2502818-001A	Soil	02/12/2025 09:19	ICP-MS4 177SMPL.d	311249

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Arsenic	5.1	0.50	1	02/13/2025 15:06

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	104	70-130	02/13/2025 15:06

Analyst(s): MIG

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-2 @ 3'	2502818-003A	Soil	02/12/2025 08:40	ICP-MS4 203SMPL.d	311249

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Arsenic	3.9	0.50	1	02/13/2025 16:52

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	100	70-130	02/13/2025 16:52

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-3 @ 3'	2502818-005A	Soil	02/12/2025 08:55	ICP-MS4 204SMPL.d	311249

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Arsenic	3.7	0.50	1	02/13/2025 16:56

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>	
Terbium	100	70-130	02/13/2025 16:56

Analyst(s): DB

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 02/12/2025 11:13
Date Prepared: 02/13/2025
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
TP-4 @ 3'	2502818-007A	Soil	02/12/2025 09:10		ICP-MS4 205SMPL.d	311249
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DE</u>		<u>Date Analyzed</u>
Arsenic	4.4		0.50	1		02/13/2025 17:00
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	101		70-130			02/13/2025 17:00
<u>Analyst(s):</u> DB						

Client ID	Lab ID	Matrix	Date Collected		Instrument	Batch ID
TP-3 @ 3' DUP	2502818-009A	Soil	02/12/2025 08:55		ICP-MS4 206SMPL.d	311249
<u>Analytes</u>	<u>Result</u>		<u>RL</u>	<u>DF</u>		<u>Date Analyzed</u>
Arsenic	3.5		0.50	1		02/13/2025 17:04
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>			
Terbium	100		70-130			02/13/2025 17:04
<u>Analyst(s):</u> DB						



Quality Control Report

Client:	Enviro Assessment PC	WorkOrder:	2502818
Date Prepared:	02/12/2025	BatchID:	311286
Date Analyzed:	02/13/2025	Extraction Method:	SW3550B
Instrument:	GC40	Analytical Method:	SW8081B
Matrix:	Soil	Unit:	mg/kg
Project:	2024-12-014; Madera Drive Property	Sample ID:	MB/LCS/LCSD-311286

QC Summary Report for SW8081B

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Aldrin	ND	0.00042	0.0010	-	-	-
a-BHC	ND	0.00045	0.0010	-	-	-
b-BHC	ND	0.00038	0.0010	-	-	-
d-BHC	ND	0.00036	0.0010	-	-	-
g-BHC	ND	0.00036	0.0010	-	-	-
a-Chlordane	ND	0.00035	0.0010	-	-	-
g-Chlordane	ND	0.00067	0.0010	-	-	-
p,p-DDD	ND	0.00057	0.0010	-	-	-
o,p-DDT	ND	0.00040	0.0010	-	-	-
p,p-DDE	ND	0.00034	0.0010	-	-	-
p,p-DDT	ND	0.00043	0.0010	-	-	-
Dieldrin	ND	0.00041	0.0010	-	-	-
Endosulfan I	ND	0.00040	0.0010	-	-	-
Endosulfan II	ND	0.00051	0.0010	-	-	-
Endosulfan sulfate	ND	0.00040	0.0010	-	-	-
Endrin	ND	0.00045	0.0010	-	-	-
Endrin aldehyde	ND	0.00045	0.0010	-	-	-
Endrin ketone	ND	0.00042	0.0010	-	-	-
Heptachlor	ND	0.00067	0.0010	-	-	-
Heptachlor epoxide	ND	0.00041	0.0010	-	-	-
Hexachlorobenzene	ND	0.00038	0.010	-	-	-
Hexachlorocyclopentadiene	ND	0.00064	0.020	-	-	-
Methoxychlor	ND	0.00063	0.0010	-	-	-
Toxaphene	ND	0.064	0.20	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.045			0.05	90	70-130

(Cont.)



Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 02/12/2025
Date Analyzed: 02/13/2025
Instrument: GC40
Matrix: Soil
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
BatchID: 311286
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg
Sample ID: MB/LCS/LCSD-311286

QC Summary Report for SW8081B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.053	0.054	0.050	107	108	70-130	1.44	20
a-BHC	0.058	0.058	0.050	115	117	70-130	1.34	20
b-BHC	0.054	0.054	0.050	107	109	70-130	1.44	20
d-BHC	0.053	0.054	0.050	107	108	70-130	1.37	20
g-BHC	0.057	0.058	0.050	114	116	70-130	1.85	20
a-Chlordane	0.047	0.047	0.050	93	95	70-130	1.99	20
g-Chlordane	0.044	0.044	0.050	87	89	70-130	1.75	20
p,p-DDD	0.051	0.051	0.050	101	102	70-130	0.815	20
p,p-DDE	0.051	0.052	0.050	102	103	70-130	1.12	20
p,p-DDT	0.046	0.047	0.050	92	94	70-130	2.83	20
Dieldrin	0.048	0.048	0.050	96	97	70-130	1.27	20
Endosulfan I	0.047	0.048	0.050	95	96	70-130	1.34	20
Endosulfan II	0.041	0.042	0.050	81	85	70-130	4.10	20
Endosulfan sulfate	0.047	0.048	0.050	94	97	70-130	2.52	20
Endrin	0.055	0.055	0.050	109	111	70-130	1.01	20
Endrin aldehyde	0.045	0.046	0.050	90	93	70-130	2.57	20
Endrin ketone	0.048	0.050	0.050	96	99	70-130	3.52	20
Heptachlor	0.055	0.056	0.050	111	113	70-130	1.96	20
Heptachlor epoxide	0.049	0.050	0.050	99	101	70-130	1.66	20
Hexachlorobenzene	0.053	0.053	0.050	106	107	70-130	1.38	20
Hexachlorocyclopentadiene	0.066	0.069	0.050	131,F2	138,F2	50-130	5.04	20
Methoxychlor	0.044	0.046	0.050	89	91	70-130	2.76	20
Surrogate Recovery								
Decachlorobiphenyl	0.047	0.047	0.050	94	94	70-130	0.0993	20



Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 02/12/2025
Date Analyzed: 02/13/2025
Instrument: GC40
Matrix: Soil
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
BatchID: 311286
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg
Sample ID: 2502818-001AMS/MSD

QC Summary Report for SW8081B

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Aldrin	1	0.048	0.048	0.050	ND	95	96	60-130	0.730	20
a-BHC	1	0.048	0.048	0.050	ND	95	95	60-130	0.451	20
b-BHC	1	0.050	0.050	0.050	ND	99	101	60-130	1.19	20
d-BHC	1	0.047	0.047	0.050	ND	93	95	60-130	1.42	20
g-BHC	1	0.045	0.045	0.050	ND	90	91	60-130	0.781	20
a-Chlordane	1	0.053	0.054	0.050	0.001003	104	105	60-130	0.878	20
g-Chlordane	1	0.053	0.054	0.050	0.001022	104	105	60-130	0.840	20
p,p-DDD	1	0.059	0.060	0.050	0.001865	115	116	60-130	0.581	20
p,p-DDE	1	0.13	0.13	0.050	0.06406	117	123	60-130	2.27	20
p,p-DDT	1	0.081	0.081	0.050	0.01824	115	115	60-130	0.0586	20
Dieldrin	1	0.056	0.056	0.050	ND	112	112	60-130	0.651	20
Endosulfan I	1	0.058	0.059	0.050	ND	115	116	60-130	1.21	20
Endosulfan II	1	0.058	0.058	0.050	ND	115	116	60-130	0.468	20
Endosulfan sulfate	1	0.061	0.061	0.050	ND	123	123	60-130	0.109	20
Endrin	1	0.063	0.063	0.050	ND	126	127	60-130	0.447	20
Endrin aldehyde	1	0.056	0.056	0.050	ND	112	113	60-130	0.401	20
Endrin ketone	1	0.057	0.057	0.050	ND	114	114	60-130	0.301	20
Heptachlor	1	0.053	0.054	0.050	ND	107	109	60-130	1.80	20
Heptachlor epoxide	1	0.057	0.058	0.050	ND	115	116	60-130	1.24	20
Hexachlorobenzene	1	0.049	0.049	0.050	ND	97	98	60-130	0.985	20
Hexachlorocyclopentadiene	1	0.069	0.070	0.050	ND	139,F1	140,F1	50-130	0.647	20
Methoxychlor	1	0.072	0.070	0.050	ND	143,F1	140,F1	60-130	2.35	20
Surrogate Recovery										
Decachlorobiphenyl	1	0.048	0.046	0.050		96	93	60-130	3.27	20



Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 02/13/2025
Date Analyzed: 02/13/2025
Instrument: ICP-MS4
Matrix: Soil
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
BatchID: 311249
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg
Sample ID: MB/LCS/LCSD-311249
2502818-001AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Arsenic	ND	0.10	0.50	-	-	-

Surrogate Recovery

Terbium	490			500	98	70-130
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Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	50	48	50	101	96	75-125	4.77	20

Surrogate Recovery

Terbium	510	490	500	102	98	70-130	4.48	20
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Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Arsenic	1	55	54	50	5.129	99	98	75-125	1.14	20

Surrogate Recovery

Terbium	1	520	510	500		103	102	70-130	1.73	20
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Analyte	DLT Result	DLTRef Val	%D	%D Limit
Arsenic	4.4	5.1	13.6	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

WorkOrder: 2502818

ClientCode: EAVS

☐ WaterTrax

☐ CLIP

☐ EDF

☐ EQuIS

☐ Dry-Weight

☐ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

☐ Detection Summary

☐ Excel

Report to:

James Robinson
Enviro Assessment PC
1869 E Seltice Way #570
Post Falls, ID 83854
877-629-6838 FAX: 877-623-5493

Email: james@enviroassess.com
cc/3rd Party: service@enviroassessment.com;
PO:
Project: 2024-12-014; Madera Drive Property

Bill to:

James Robinson
Enviro Assess
1869 E Seltice Way #570
Post Falls, ID 83854
james@enviroassess.com; fabiola@envi

Requested TAT: 5 days;

Date Received: 02/12/2025

Date Logged: 02/12/2025

Lab ID	ClientSampleID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2502818-001	TP-1 @ 3'	Soil	2/12/2025 09:19	☐	A	A	A									
2502818-002	TP-1 @ 4'	Soil	2/12/2025 09:25	☒			A	A								
2502818-003	TP-2 @ 3'	Soil	2/12/2025 08:40	☐	A	A	A									
2502818-004	TP-2 @ 4'	Soil	2/12/2025 08:45	☒			A	A								
2502818-005	TP-3 @ 3'	Soil	2/12/2025 08:55	☐	A	A	A									
2502818-006	TP-3 @ 4'	Soil	2/12/2025 09:00	☒			A	A								
2502818-007	TP-4 @ 3'	Soil	2/12/2025 09:10	☐	A	A	A									
2502818-008	TP-4 @ 4'	Soil	2/12/2025 09:14	☒			A	A								
2502818-009	TP-3 @ 3' DUP	Soil	2/12/2025 08:55	☐	A	A	A									

Test Legend:

1	8081_S
5	
9	

2	METALSMS_TTLC_S
6	
10	

3	PRDisposal Fee
7	
11	

4	PRHOLD
8	
12	

Prepared by: Lilly Ortiz

Comments:

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



WORK ORDER SUMMARY

Client Name: ENVIRO ASSESSMENT PC

Project: 2024-12-014; Madera Drive Property

Work Order: 2502818

Client Contact: James Robinson

QC Level: LEVEL 2

Contact's Email: james@enviroassess.com

Comments

Date Logged: 2/12/2025

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☒ EQulS ☐ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

LabID	ClientSampID	Matrix	Test Name	Cont./ Comp.	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	TP-1 @ 3'	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Medium	☐	☐	☐	2/12/2025 9:19	5 days	2/20/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/20/2025		☐	☐
003A	TP-2 @ 3'	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Medium	☐	☐	☐	2/12/2025 8:40	5 days	2/20/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/20/2025		☐	☐
005A	TP-3 @ 3'	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Medium	☐	☐	☐	2/12/2025 8:55	5 days	2/20/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/20/2025		☐	☐
007A	TP-4 @ 3'	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Medium	☐	☐	☐	2/12/2025 9:10	5 days	2/20/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/20/2025		☐	☐
009A	TP-3 @ 3' DUP	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Medium	☐	☐	☐	2/12/2025 8:55	5 days	2/20/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	2/20/2025		☐	☐

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

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

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

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

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

McCAMPBELL ANALYTICAL, INC. 1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701 Telephone: (877) 252-9262 / Fax: (925) 252-9269 www.mccampbell.com main@mccampbell.com						CHAIN OF CUSTODY RECORD																		
						Turn Around Time: 1 Day Rush		2 Day Rush		3 Day Rush		STD ●		Quote # _____										
						J-Flag / MDL		ESL		Cleanup Approved		Dry Weight		Bottle Order #										
						Delivery Format:	PDF			GeoTracker EDF		EDD		Write On (DW)		Detect Summary								
Report To: James Robinson Bill To: James Robinson						Analysis Requested																		
Company: Enviro Assessment, PC						HOLD SAMPLES																		
Email: james@enviroassessment.com (New Email)																								
Alt Email: Service@enviroassessment.com Tele: 844-742-7311																								
Project Name: Madera Drive Property Project #: 2024-12-014																								
Project Location: Cupertino, CA PO # _____																								
Sampler Signature: <u>Sarah Ashie</u>																								
SAMPLE ID Location / Field Point		Sampling		#Containers	Matrix	Preservative	OCPs	Arsenic																
		Date	Time																					
TP-1 @ 3'		2/12/25	0919	1	Soil	ice	●	●																
TP-1 @ 4'		2/12/25	0925	1	Soil	ice			●															
TP-2 @ 3'		2/12/25	0840	1	Soil	ice	●	●																
TP-2 @ 4'		2/12/25	0845	1	Soil	ice			●															
TP-3 @ 3'		2/12/25	0855	1	Soil	ice	●	●																
TP-3 @ 4'		2/12/25	0900	1	Soil	ice			●															
TP-4 @ 3'		2/12/25	0910	1	Soil	ice	●	●																
TP-4 @ 4'		2/12/25	0914	1	Soil	ice			●															
TP-3 @ 3' DUP		2/12/25	0855	1	Soil	ice	●	●																
MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate \$250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.																								
* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.																								
Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.																								
Relinquished By / Company Name		Date	Time	Received By / Company Name		Date	Time	NO ESL																
<u>Sarah Ashie / Enviro Assessment, PC</u>		2/12/25	1113	<u>[Signature]</u>		2/12/25	1113																	
Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other Preservative Code: 1=4°C 2=HCl 3=H ₂ SO ₄ 4=HNO ₃ 5=NaOH 6=ZnOAc/NaOH 7=None																								
Temp <u>3.9</u> °C Initials <u>[Signature]</u>																								



Sample Receipt Checklist

Client Name: Enviro Assessment PC
Project: 2024-12-014; Madera Drive Property
WorkOrder No: 2502818 Matrix: Soil
Carrier: Client Drop-In

Date and Time Received: 2/12/2025 11:13
Date Logged: 2/12/2025
Received by: Lilly Ortiz
Logged by: Lilly Ortiz

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☒	No ☐	NA ☐
Samples Received on Ice?	Yes ☒	No ☐	

(Ice Type: WET ICE)

Sample/Temp Blank temperature	Temp: 3.4°C	NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes ☐ No ☐	NA ☒
Sample labels checked for correct preservation?	Yes ☒ No ☐	
pH acceptable upon receipt (Metal: <2)?	Yes ☐ No ☐	NA ☒

UCMR Samples:

pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes ☐ No ☐	NA ☒
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes ☐ No ☐	NA ☒

Comments:



McC Campbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 2502818 A

Report Created for: Enviro Assessment PC

1869 E Seltice Way #570
Post Falls, ID 83854

Project Contact: James Robinson

Project P.O.:

Project: 2024-12-014; Madera Drive Property

Project Location: Cupertino, CA

Project Received: 02/12/2025

Analytical Report reviewed & approved for release on 02/28/2025 by:

Ana Venegas
Project Manager

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





Glossary of Terms & Qualifier Definitions

Client: Enviro Assessment PC

WorkOrder: 2502818 A

Project: 2024-12-014; Madera Drive Property

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CCV	Continuing Calibration Verification.
CCV REC (%)	% recovery of Continuing Calibration Verification.
CPT	Consumer Product Testing not NELAP Accredited
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
LCS2	Second LCS for the batch. Spike level is lower than that for the first LCS; applicable to method 1633.
LQL	Lowest Quantitation Level
MB	Method Blank
MB IS/SS % Rec	% Recovery of Internal Standard or Surrogate in Method Blank, if applicable
MB SS % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit ¹
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit ²
RPD	Relative Percent Difference
RRT	Relative Retention Time
RSD	Relative Standard Deviation
SNR	Surrogate is diluted out of the calibration range

¹ MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. Values are based upon our default extraction volume/amount and are subject to change.

² RL is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) Values are based upon our default extraction volume/amount and are subject to change.



Glossary of Terms & Qualifier Definitions

Client: Enviro Assessment PC

WorkOrder: 2502818 A

Project: 2024-12-014; Madera Drive Property

SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
TNTC	"Too Numerous to Count;" greater than 250 colonies observed on the plate.
TZA	TimeZone Net Adjustment for sample collected outside of MAI's Coordinated Universal Time (UTC). (Adjustment for Daylight Saving is not accounted.)
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)



Analytical Report

Client: Enviro Assessment PC
Date Received: 02/12/2025 11:13
Date Prepared: 02/24/2025
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-1 @ 4'	2502818-002A	Soil	02/12/2025 09:25	GC23 02252534.d	311981

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.0010	1	02/26/2025 01:40
a-BHC	ND	0.0010	1	02/26/2025 01:40
b-BHC	ND	0.0010	1	02/26/2025 01:40
d-BHC	ND	0.0010	1	02/26/2025 01:40
g-BHC	ND	0.0010	1	02/26/2025 01:40
Chlordane (Technical)	ND	0.025	1	02/26/2025 01:40
a-Chlordane	ND	0.0010	1	02/26/2025 01:40
g-Chlordane	ND	0.0010	1	02/26/2025 01:40
p,p-DDD	ND	0.0010	1	02/26/2025 01:40
p,p-DDE	0.042	0.0010	1	02/26/2025 01:40
p,p-DDT	0.011	0.0010	1	02/26/2025 01:40
Dieldrin	ND	0.0010	1	02/26/2025 01:40
Endosulfan I	ND	0.0010	1	02/26/2025 01:40
Endosulfan II	ND	0.0010	1	02/26/2025 01:40
Endosulfan sulfate	ND	0.0010	1	02/26/2025 01:40
Endrin	ND	0.0010	1	02/26/2025 01:40
Endrin aldehyde	ND	0.0010	1	02/26/2025 01:40
Endrin ketone	ND	0.0010	1	02/26/2025 01:40
Heptachlor	ND	0.0010	1	02/26/2025 01:40
Heptachlor epoxide	ND	0.0010	1	02/26/2025 01:40
Hexachlorobenzene	ND	0.010	1	02/26/2025 01:40
Hexachlorocyclopentadiene	ND	0.020	1	02/26/2025 01:40
Methoxychlor	ND	0.0010	1	02/26/2025 01:40
Toxaphene	ND	0.20	1	02/26/2025 01:40

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	100	60-130	02/26/2025 01:40

Analyst(s): CN

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 02/12/2025 11:13
Date Prepared: 02/24/2025
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-2 @ 4'	2502818-004A	Soil	02/12/2025 08:45	GC23 02252546.d	311981

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.0010	1	02/26/2025 04:37
a-BHC	ND	0.0010	1	02/26/2025 04:37
b-BHC	ND	0.0010	1	02/26/2025 04:37
d-BHC	ND	0.0010	1	02/26/2025 04:37
g-BHC	ND	0.0010	1	02/26/2025 04:37
Chlordane (Technical)	ND	0.025	1	02/26/2025 04:37
a-Chlordane	ND	0.0010	1	02/26/2025 04:37
g-Chlordane	ND	0.0010	1	02/26/2025 04:37
p,p-DDD	ND	0.0010	1	02/26/2025 04:37
p,p-DDE	0.0015	0.0010	1	02/26/2025 04:37
p,p-DDT	ND	0.0010	1	02/26/2025 04:37
Dieldrin	ND	0.0010	1	02/26/2025 04:37
Endosulfan I	ND	0.0010	1	02/26/2025 04:37
Endosulfan II	ND	0.0010	1	02/26/2025 04:37
Endosulfan sulfate	ND	0.0010	1	02/26/2025 04:37
Endrin	ND	0.0010	1	02/26/2025 04:37
Endrin aldehyde	ND	0.0010	1	02/26/2025 04:37
Endrin ketone	ND	0.0010	1	02/26/2025 04:37
Heptachlor	ND	0.0010	1	02/26/2025 04:37
Heptachlor epoxide	ND	0.0010	1	02/26/2025 04:37
Hexachlorobenzene	ND	0.010	1	02/26/2025 04:37
Hexachlorocyclopentadiene	ND	0.020	1	02/26/2025 04:37
Methoxychlor	ND	0.0010	1	02/26/2025 04:37
Toxaphene	ND	0.20	1	02/26/2025 04:37

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	97	60-130	02/26/2025 04:37

Analyst(s): CN

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 02/12/2025 11:13
Date Prepared: 02/24/2025
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-3 @ 4'	2502818-006A	Soil	02/12/2025 09:00	GC23 02252547.d	311981

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.0010	1	02/26/2025 04:51
a-BHC	ND	0.0010	1	02/26/2025 04:51
b-BHC	ND	0.0010	1	02/26/2025 04:51
d-BHC	ND	0.0010	1	02/26/2025 04:51
g-BHC	ND	0.0010	1	02/26/2025 04:51
Chlordane (Technical)	ND	0.025	1	02/26/2025 04:51
a-Chlordane	ND	0.0010	1	02/26/2025 04:51
g-Chlordane	ND	0.0010	1	02/26/2025 04:51
p,p-DDD	ND	0.0010	1	02/26/2025 04:51
p,p-DDE	0.0026	0.0010	1	02/26/2025 04:51
p,p-DDT	0.0014	0.0010	1	02/26/2025 04:51
Dieldrin	ND	0.0010	1	02/26/2025 04:51
Endosulfan I	ND	0.0010	1	02/26/2025 04:51
Endosulfan II	ND	0.0010	1	02/26/2025 04:51
Endosulfan sulfate	ND	0.0010	1	02/26/2025 04:51
Endrin	ND	0.0010	1	02/26/2025 04:51
Endrin aldehyde	ND	0.0010	1	02/26/2025 04:51
Endrin ketone	ND	0.0010	1	02/26/2025 04:51
Heptachlor	ND	0.0010	1	02/26/2025 04:51
Heptachlor epoxide	ND	0.0010	1	02/26/2025 04:51
Hexachlorobenzene	ND	0.010	1	02/26/2025 04:51
Hexachlorocyclopentadiene	ND	0.020	1	02/26/2025 04:51
Methoxychlor	ND	0.0010	1	02/26/2025 04:51
Toxaphene	ND	0.20	1	02/26/2025 04:51

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	99	60-130	02/26/2025 04:51

Analyst(s): CN

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 02/12/2025 11:13
Date Prepared: 02/24/2025
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-4 @ 4'	2502818-008A	Soil	02/12/2025 09:14	GC23 02252549.d	311981

Analytes	Result	RL	DE	Date Analyzed
Aldrin	ND	0.0010	1	02/26/2025 05:21
a-BHC	ND	0.0010	1	02/26/2025 05:21
b-BHC	ND	0.0010	1	02/26/2025 05:21
d-BHC	ND	0.0010	1	02/26/2025 05:21
g-BHC	ND	0.0010	1	02/26/2025 05:21
Chlordane (Technical)	ND	0.025	1	02/26/2025 05:21
a-Chlordane	ND	0.0010	1	02/26/2025 05:21
g-Chlordane	ND	0.0010	1	02/26/2025 05:21
p,p-DDD	ND	0.0010	1	02/26/2025 05:21
p,p-DDE	0.050	0.0010	1	02/26/2025 05:21
p,p-DDT	0.0072	0.0010	1	02/26/2025 05:21
Dieldrin	ND	0.0010	1	02/26/2025 05:21
Endosulfan I	ND	0.0010	1	02/26/2025 05:21
Endosulfan II	ND	0.0010	1	02/26/2025 05:21
Endosulfan sulfate	ND	0.0010	1	02/26/2025 05:21
Endrin	ND	0.0010	1	02/26/2025 05:21
Endrin aldehyde	ND	0.0010	1	02/26/2025 05:21
Endrin ketone	ND	0.0010	1	02/26/2025 05:21
Heptachlor	ND	0.0010	1	02/26/2025 05:21
Heptachlor epoxide	ND	0.0010	1	02/26/2025 05:21
Hexachlorobenzene	ND	0.010	1	02/26/2025 05:21
Hexachlorocyclopentadiene	ND	0.020	1	02/26/2025 05:21
Methoxychlor	ND	0.0010	1	02/26/2025 05:21
Toxaphene	ND	0.20	1	02/26/2025 05:21

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	97	60-130	02/26/2025 05:21

Analyst(s): CN



Analytical Report

Client: Enviro Assessment PC
Date Received: 02/12/2025 11:13
Date Prepared: 02/25/2025
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-1 @ 4'	2502818-002A	Soil	02/12/2025 09:25	ICP-MS5 303SMPL.d	311931
<u>Analytes</u>	<u>Result</u>		<u>RL</u> <u>DE</u>		<u>Date Analyzed</u>
Arsenic	5.8		0.50 1		02/25/2025 22:56
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	111		70-130		02/25/2025 22:56
<u>Analyst(s):</u> WV					

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-2 @ 4'	2502818-004A	Soil	02/12/2025 08:45	ICP-MS5 304SMPL.d	311931
<u>Analytes</u>	<u>Result</u>		<u>RL</u> <u>DE</u>		<u>Date Analyzed</u>
Arsenic	4.1		0.50 1		02/25/2025 23:00
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	106		70-130		02/25/2025 23:00
<u>Analyst(s):</u> WV					

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-3 @ 4'	2502818-006A	Soil	02/12/2025 09:00	ICP-MS5 305SMPL.d	311931
<u>Analytes</u>	<u>Result</u>		<u>RL</u> <u>DE</u>		<u>Date Analyzed</u>
Arsenic	3.9		0.50 1		02/25/2025 23:04
<u>Surrogates</u>	<u>REC (%)</u>		<u>Limits</u>		
Terbium	108		70-130		02/25/2025 23:04
<u>Analyst(s):</u> WV					

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Analytical Report

Client: Enviro Assessment PC
Date Received: 02/12/2025 11:13
Date Prepared: 02/25/2025
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg

Metals

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
TP-4 @ 4'	2502818-008A	Soil	02/12/2025 09:14	ICP-MS4 186SMPL.d	311978

<u>Analytes</u>	<u>Result</u>	<u>RL</u>	<u>DE</u>	<u>Date Analyzed</u>
Arsenic	4.2	0.50	1	02/25/2025 16:50

<u>Surrogates</u>	<u>REC (%)</u>	<u>Limits</u>
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Analyst(s): AL



Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 02/24/2025
Date Analyzed: 02/26/2025
Instrument: GC23
Matrix: Soil
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
BatchID: 311981
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg
Sample ID: MB/LCS/LCSD-311981
2502818-002AMS/MSD

QC Summary Report for SW8081B

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Aldrin	ND	0.00042	0.0010	-	-	-
a-BHC	ND	0.00045	0.0010	-	-	-
b-BHC	ND	0.00038	0.0010	-	-	-
d-BHC	ND	0.00036	0.0010	-	-	-
g-BHC	ND	0.00036	0.0010	-	-	-
Chlordane (Technical)	ND	0.010	0.025	-	-	-
a-Chlordane	ND	0.00035	0.0010	-	-	-
g-Chlordane	ND	0.00067	0.0010	-	-	-
p,p-DDD	ND	0.00057	0.0010	-	-	-
p,p-DDE	ND	0.00034	0.0010	-	-	-
p,p-DDT	ND	0.00043	0.0010	-	-	-
Dieldrin	ND	0.00041	0.0010	-	-	-
Endosulfan I	ND	0.00040	0.0010	-	-	-
Endosulfan II	ND	0.00051	0.0010	-	-	-
Endosulfan sulfate	ND	0.00040	0.0010	-	-	-
Endrin	ND	0.00045	0.0010	-	-	-
Endrin aldehyde	ND	0.00045	0.0010	-	-	-
Endrin ketone	ND	0.00042	0.0010	-	-	-
Heptachlor	ND	0.00067	0.0010	-	-	-
Heptachlor epoxide	ND	0.00041	0.0010	-	-	-
Hexachlorobenzene	ND	0.00038	0.010	-	-	-
Hexachlorocyclopentadiene	ND	0.00064	0.020	-	-	-
Methoxychlor	ND	0.00063	0.0010	-	-	-
Toxaphene	ND	0.064	0.20	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.042			0.05	84	70-130

(Cont.)



Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 02/24/2025
Date Analyzed: 02/26/2025
Instrument: GC23
Matrix: Soil
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
BatchID: 311981
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg
Sample ID: MB/LCS/LCSD-311981
2502818-002AMS/MSD

QC Summary Report for SW8081B

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.045	0.044	0.050	89	89	70-130	0.724	20
a-BHC	0.043	0.041	0.050	86	83	70-130	3.72	20
b-BHC	0.042	0.043	0.050	84	85	70-130	1.35	20
d-BHC	0.043	0.044	0.050	85	87	70-130	2.45	20
g-BHC	0.042	0.042	0.050	84	83	70-130	0.327	20
a-Chlordane	0.042	0.043	0.050	85	86	70-130	1.81	20
g-Chlordane	0.042	0.043	0.050	84	86	70-130	1.67	20
p,p-DDD	0.042	0.043	0.050	84	86	70-130	2.16	20
p,p-DDE	0.043	0.044	0.050	87	88	70-130	1.72	20
p,p-DDT	0.039	0.041	0.050	79	83	70-130	4.62	20
Dieldrin	0.043	0.043	0.050	86	87	70-130	1.10	20
Endosulfan I	0.043	0.043	0.050	85	86	70-130	1.33	20
Endosulfan II	0.041	0.041	0.050	81	83	70-130	2.38	20
Endosulfan sulfate	0.040	0.042	0.050	81	84	70-130	3.59	20
Endrin	0.043	0.044	0.050	86	88	70-130	2.36	20
Endrin aldehyde	0.040	0.042	0.050	81	83	70-130	3.08	20
Endrin ketone	0.037	0.039	0.050	75	77	70-130	3.19	20
Heptachlor	0.045	0.046	0.050	91	92	70-130	1.76	20
Heptachlor epoxide	0.043	0.044	0.050	87	88	70-130	1.19	20
Hexachlorobenzene	0.046	0.046	0.050	92	92	70-130	0.0285	20
Hexachlorocyclopentadiene	0.040	0.043	0.050	81	86	50-130	5.99	20
Methoxychlor	0.039	0.041	0.050	79	82	70-130	4.57	20

Surrogate Recovery

Decachlorobiphenyl	0.040	0.043	0.050	81	85	70-130	5.39	20
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Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Aldrin	1	0.046	0.045	0.050	ND	92	89	60-130	2.54	20
a-BHC	1	0.043	0.042	0.050	ND	87	84	60-130	3.50	20
b-BHC	1	0.040	0.039	0.050	ND	80	78	60-130	2.74	20
d-BHC	1	0.042	0.041	0.050	ND	84	81	60-130	3.83	20
g-BHC	1	0.039	0.038	0.050	ND	78	76	60-130	1.73	20
a-Chlordane	1	0.043	0.041	0.050	ND	84	81	60-130	3.72	20
g-Chlordane	1	0.043	0.041	0.050	ND	84	81	60-130	3.69	20
p,p-DDD	1	0.042	0.040	0.050	ND	83	79	60-130	4.54	20
p,p-DDE	1	0.082	0.078	0.050	0.04200	81	72	60-130	5.68	20

(Cont.)



Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 02/24/2025
Date Analyzed: 02/26/2025
Instrument: GC23
Matrix: Soil
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
BatchID: 311981
Extraction Method: SW3550B
Analytical Method: SW8081B
Unit: mg/kg
Sample ID: MB/LCS/LCSD-311981
2502818-002AMS/MSD

QC Summary Report for SW8081B

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
p,p-DDT	1	0.050	0.047	0.050	0.01051	79	73	60-130	5.55	20
Dieldrin	1	0.043	0.041	0.050	ND	86	82	60-130	3.86	20
Endosulfan I	1	0.042	0.041	0.050	ND	84	82	60-130	3.22	20
Endosulfan II	1	0.042	0.040	0.050	ND	83	79	60-130	4.61	20
Endosulfan sulfate	1	0.041	0.039	0.050	ND	82	78	60-130	5.09	20
Endrin	1	0.043	0.041	0.050	ND	86	83	60-130	4.28	20
Endrin aldehyde	1	0.039	0.037	0.050	ND	78	74	60-130	4.54	20
Endrin ketone	1	0.037	0.036	0.050	ND	74	71	60-130	4.02	20
Heptachlor	1	0.045	0.044	0.050	ND	91	89	60-130	2.07	20
Heptachlor epoxide	1	0.043	0.042	0.050	ND	85	83	60-130	2.48	20
Hexachlorobenzene	1	0.045	0.045	0.050	ND	90	89	60-130	1.12	20
Hexachlorocyclopentadiene	1	0.036	0.033	0.050	ND	73	66	50-130	9.74	20
Methoxychlor	1	0.042	0.040	0.050	ND	85	80	60-130	6.25	20
Surrogate Recovery										
Decachlorobiphenyl	1	0.040	0.038	0.050		80	75	60-130	6.50	20



Quality Control Report

Client:	Enviro Assessment PC	WorkOrder:	2502818
Date Prepared:	02/25/2025	BatchID:	311931
Date Analyzed:	02/25/2025	Extraction Method:	SW3050B
Instrument:	ICP-MS5	Analytical Method:	SW6020
Matrix:	Soil	Unit:	mg/kg
Project:	2024-12-014; Madera Drive Property	Sample ID:	MB/LCS/LCSD-311931

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Arsenic	ND	0.10	0.50	-	-	-
Surrogate Recovery						
Terbium	500			500	100	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	51	51	50	102	102	75-125	0.220	20
Surrogate Recovery								
Terbium	500	500	500	100	101	70-130	1.04	20

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP



Quality Control Report

Client: Enviro Assessment PC
Date Prepared: 02/25/2025
Date Analyzed: 02/25/2025
Instrument: ICP-MS4
Matrix: Soil
Project: 2024-12-014; Madera Drive Property

WorkOrder: 2502818
BatchID: 311978
Extraction Method: SW3050B
Analytical Method: SW6020
Unit: mg/kg
Sample ID: MB/LCS/LCSD-311978
2502818-008AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB IS/SS %REC	MB IS/SS Limits
Arsenic	ND	0.10	0.50	-	-	-

Surrogate Recovery

Terbium	520	500	104	70-130
---------	-----	-----	-----	--------

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	51	52	50	103	104	75-125	1.76	20

Surrogate Recovery

Terbium	520	550	500	105	109	70-130	4.12	20
---------	-----	-----	-----	-----	-----	--------	------	----

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Arsenic	1	55	56	50	4.156	102	105	75-125	2.06	20

Surrogate Recovery

Terbium	1	530	520	500		105	105	70-130	0.760	20
---------	---	-----	-----	-----	--	-----	-----	--------	-------	----

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Arsenic	4.5	4.2	7.92	-

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2502818 **A**

ClientCode: EAVS

☐ WaterTrax

☐ CLIP

☐ EDF

☐ EQuIS

☐ Dry-Weight

☐ Email

☐ HardCopy

☐ ThirdParty

☐ J-flag

☐ Detection Summary

☐ Excel

Report to:

James Robinson

Enviro Assessment PC

1869 E Seltice Way #570

Post Falls, ID 83854

877-629-6838

FAX: 877-623-5493

Email: james@enviroassess.com

cc/3rd Party: service@enviroassessment.com;

PO:

Project: 2024-12-014; Madera Drive Property

Bill to:

James Robinson

Enviro Assess

1869 E Seltice Way #570

Post Falls, ID 83854

james@enviroassess.com; fabiola@env

Requested TAT:

5 days;

Date Received: **02/12/2025**

Date Logged: **02/12/2025**

Date Add-On: **02/24/2025**

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2502818-002	TP-1 @ 4'	Soil	2/12/2025 09:25	☐	A	A	A									
2502818-004	TP-2 @ 4'	Soil	2/12/2025 08:45	☐	A	A	A									
2502818-006	TP-3 @ 4'	Soil	2/12/2025 09:00	☐	A	A	A									
2502818-008	TP-4 @ 4'	Soil	2/12/2025 09:14	☐	A	A	A									

Test Legend:

1	8081_S
5	
9	

2	METALSMS_TTLC_S
6	
10	

3	PRHOLD Credit
7	
11	

4	
8	
12	

Prepared by: Lilly Ortiz

Add-On Prepared By: Valerie Alfaro

Comments: Took samples 2,4,6,8 off hold for OCPs & Arsenic 2/24/2025 STAT.

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



WORK ORDER SUMMARY

Client Name: ENVIRO ASSESSMENT PC

Client Contact: James Robinson

Contact's Email james@enviroassess.com

Project: 2024-12-014; Madera Drive Property

Comments: Took samples 2,4,6,8 off hold for OCPs & Arsenic 2/24/2025
STAT.

Work Order: 2502818

QC Level: LEVEL 2

Date Logged: 2/12/2025

Date Add-On: 2/24/2025

LabID	ClientSampID	Matrix	Test Name	Cont. /Comp	Bottle & Preservative	U**	Head Space	Dry- Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
002A	TP-1 @ 4'	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Medium	☐	☐	☐	2/12/2025 9:25	5 days	3/3/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	3/3/2025		☐	☐
004A	TP-2 @ 4'	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Medium	☐	☐	☐	2/12/2025 8:45	5 days	3/3/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	3/3/2025		☐	☐
006A	TP-3 @ 4'	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Medium	☐	☐	☐	2/12/2025 9:00	5 days	3/3/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	3/3/2025		☐	☐
008A	TP-4 @ 4'	Soil	SW6020 (Metals) <Arsenic>	1	Plastic Baggie, Medium	☐	☐	☐	2/12/2025 9:14	5 days	3/3/2025		☐	☐
			SW8081B (OC Pesticides)			☐	☐	☐		5 days	3/3/2025		☐	☐

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

- ISM prep requires 5 to 10 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 6 to 11 days from sample submission). Due date listed on WO summary will not accurately reflect the time needed for sample preparation.

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

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

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

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other
Preservative Code: 1=4°C 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 39.1 °C Initials Jr
1230



HEALTH & SAFETY PLAN

**MADERA DRIVE PROPERTY
10621 MADERA DRIVE
CUPERTINO, CA 95014**

Project Number 2025-03-014

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Ben Engelman
11652 Bridge Park Ct.,
Cupertino, CA 95014
(408) 891-8396
Larome.ben@gmail.com

Subject: HASP for
MADERA DRIVE Property
10621 Madera Drive
Cupertino, CA 95014
APN(s): 32535061

INTRODUCTION

GENERAL SAFETY PROCEDURES

Employees engaged in potentially hazardous operations must be familiar with safety practices that pertain specifically to those tasks. The following safety practices should be adhered to by project personnel.

The occurrence of any injury may indicate employee negligence or some fault or inadequacy in the design, equipment, procedure, or employee training. If injuries are to be prevented, Enviro Assessment PC, must exert leadership in safety, as well as in all other phases of work. It is the responsibility of the employee to immediately report any injury, including minor injuries, to his supervisor. Following this report, the supervisor and the site safety officer should investigate the cause of the accident and take action to prevent its reoccurrence.

The risks of accidents are much the same at any project site. These hazards can be classified as:

- Physical injuries;
- Body infections;
- Explosive or noxious gases or vapors, and oxygen deficiency;
- And contact or inhalation of hazardous chemicals.

Once recognized, these hazards can be readily corrected or at least guarded against by proper training, warnings, safety procedures, and personal protective equipment.

An effective health and safety program starts with management and involves all personnel. An effective program should include the following to ensure the necessary safety of the operating personnel:

1. Emergency Procedures
 - a. What to do and what not to do for the injured.
 - b. Emergency responders must be contacted.
 - c. The injured personnel must be identified and relatives notified.
 - d. Emergency vehicles upon reaching the site must be directed to the accident scene.

-
- e. Further damage to personnel and property must be prevented.
 - f. All interested persons and authorities must be notified after the emergency.
- Note: These procedures should be posted throughout the project site in prominent areas.

2. Safety Drills and Training Sessions – Personnel should be drilled frequently on how to react to various emergencies, including evacuation of the facility if necessary. All project personnel should be trained on the use of each piece of safety equipment. Do not wait for an emergency before attempting to use the equipment.
3. Safety Meetings – meetings will be held monthly, or more often, depending on the potential hazards. Meetings should be documented with the subject material and the names of those in attendance. All operating personnel should be encouraged to attend. Films on safe driving, slips and falls, dangerous gases, fire, danger, etc. are helpful tools.
4. Safety Program Records – the following records may be helpful to identify the causes of accidents and attendees, and date to develop corrective measures.
 - a. Accident investigation report forms
 - b. Health and safety plan
 - c. Safety rules

The health and safety program will be reviewed at least annually to ensure adequate safety procedures are maintained and up to date practices are used.

CORPORATE SAFETY PHILOSOPHY/MISSION

Enviro Assessment PC recognizes all employees as having value in a dynamic and growing organization. Part of that value is the ability to recognize the constant need to insure not only the individual well being of the employee, but the collective safety and well being of all of their fellow employees. The primary philosophy behind our health and safety policy is “failure is not an option”. This philosophy carried to all levels within the corporate structure and is intended to imbue staff and management with a constant awareness of the perils of our profession, and in a sense the responsibility to mitigate risk of injury or health threat at every opportunity without regard to cost or consequence.

1.0 STANDARD OPERATING PROCEDURES FOR SITE HEALTH AND SAFETY

1.1 INTRODUCTION

This section of the plan shall provide the user with guidelines for selected health and safety procedures. Although every task on or off-site is important to the health and safety of employees, the goal of this SOP should be to provide procedures related to site work, site entry, and site control.

To prevent employee injuries and minimize adverse health effects related to specific work hazards, the following general safe work practices are mandated when work involves known or unknown hazards. The general safe work practices should establish a pattern of general precautionary measures for reducing the risks associated with field work.

1.2 GENERAL SAFETY PROCEDURES

1.2.1 Pre-Project Site Visit

The nature and extent of the hazard potential must be evaluated prior to entering a potentially hazardous work site. Part of this evaluation includes a determination of the level of protection appropriate to the task. The following is a suggested decision logic to be used prior to site entry:

- Review site history and Phase I and II Environmental Site Assessments (if available),
- Review site operations,
- Review potential hazards,
- Review site geography,
- Review all toxicity information for all possible contaminants, and
- Choose appropriate personal protective equipment based on the above information.

Level A Protection: Must be worn when it had been determined that the highest level of respiratory, skin and eye protection is necessary.

Level B Protection: Must be worn when it has been determined that the maximum level of respiratory protection is necessary.

Level C Protection: Must be worn when the contaminants are known, the required level of respiratory protection is no greater than an air-purifying respirator and the protection afforded by disposable Tyvek coveralls and inert gloves.

Level D Protection: Consists of basic work clothing, and no respiratory protection.

1.2.2 Personal Hygiene Practices

Eating, drinking, smoking, chewing gum or tobacco is prohibited in any contaminated or potentially contaminated area of the site.

Employees are required to wash all exposed skin areas when exiting any contaminated area. Clothing, if contaminated, should be removed prior to leaving the area and should never be worn away from the site. Contact with any contaminated surface should be avoided.

1.2.3 Personal Protective Equipment and Practices

The proper selection and use of personal protective equipment is essential to worker safety and health. Personal protective equipment should be selected based on the type of hazard and the actual work situations along with the potential for worker exposure. The following is a partial list of the types of personal protective equipment, which may be necessary.

- Positive pressure respirators – self-contained and airline powered, air-purifying respirators.
- Negative pressure, air-purifying respirators
- Protective or chemical-resistant clothing
- Chemical-resistant gloves
- Safety eye wear, face shields, hard hats
- Safety shoes

Employees should familiarize themselves with the goals and objectives of the health and safety program. A site representative should be appointed by management with to coordinate all safety and health related activities for the site. This representative will arrange for any emergency intervention, if necessary.

A descriptive map to the nearest medical facility should be included in the HASP and the safety representative should ensure its posting throughout the site. The map should include not only directions, but also phone numbers of the hospital, designated Emergency Response Agency, physician and transportation.

All accidents are to be reported to the site safety representative and the Corporate Health and Safety Officer.

1.2.4 On-Site Operations Practices

This section outlines the responsibilities of personnel as appropriate. At a minimum, it will include responsibilities of all health and safety-related personnel

Project Manager

The Project Manager has full responsibility for executing and administering the company's health and safety program. Any case in the planning and execution of the program where an interface of responsibility exists, each Project Manager involved has the responsibility to see that proper and effective action is taken. Any health and safety matter which cannot be resolved by the Project Manager will be referred to the Site Safety Representative and/or the Corporate Manager of Health and Safety.

The project manager will be responsible for:

- Displaying leadership in all activities for their projects and ensuring regulatory compliance by subordinates/team members.
- Coordinating with the Site Safety Representative and Corporate Manager of Health and Safety on matters relating to all work site activities, on-going and/or planned, to ensure adequate consideration is given to maximum employee health and safety protection and compliance with all applicable local, state and federal regulations.
- Ensuring that corrective action is accomplished with regards to recommendations resulting from deficiencies identified by audit and observation.
- Ensuring that a positive attitude exists with respect to all employees towards the accomplishment of a safe and healthful work environment.

Health and Safety Representative Responsibilities

The Health and Safety Representative has direct responsibility for the implementation and enforcement of the health and safety program. At a minimum, the Health and Safety Representative will be responsible for:

- Enforcing all health and safety rules and regulations within the scope of the Site Specific Health and Safety Plan (HASP).
- Conducting and documenting Health and Safety audits.
- Initiating corrective action in cases of unsafe conditions, which exist at the facility.
- Coordinating with the Corporate Health and Safety Manager on matters pertaining to health and safety at the plant level.
- Evaluating plant operations to detect and correct unsafe acts and unsafe conditions.
- Educating all employees as to applicable work practices, procedures, rules and regulations.
- Educating all employees on applicable emergency contingency plans.
- Reporting all accidents, injuries and near misses to the Corporate Health and Safety Manager.
- Enforcing all aspects of the Site Specific Health and Safety Plan.

Employee's Responsibilities

The employee is responsible for his or her own safety, and the safety of his fellow workers.

At a minimum, employees will:

- Comply with rules, regulations, policies and procedures, as well as all applicable federal, state and local health and safety rules and regulations.
- Follow proper procedures as outlined by immediate supervisors.
- Properly utilize personal protective equipment as required by company policy.
- Report all accidents and injuries without delay to the immediate supervisor or to the Health and Safety Representative.

1.2.5 Health and Safety Training Program

All employees are required to participate in routine health and safety education and training programs. These programs will be managed by the Corporate Manager of Health and Safety, and are designed to provide employees with a thorough knowledge of hazardous materials, health and safety hazard potentials, compliance with local, state and federal regulations. In the case of hazardous materials handling, all education programs will be designed to comply with 29 CFR 1910.120, (Hazardous Waste Operations and Emergency Response). Safety training required by this regulation will occur at a minimum on an annual basis; however, specific training may be required more frequently as required by the Corporate Health and Safety Manager.

Employees are required to demonstrate a good knowledge of safety procedures and confidence to carry them out prior to embarking on any project. Safety meetings will be held on a minimum of a monthly basis; however, when required by a particular job more frequent safety meetings will be held.

It will be required that all education and training sessions be documented as to the attendees, length of training, and an outline of training topics. Each employee in attendance will affix his signature to a safety log or sign-in sheet for documentation.

2.0 HEALTH AND SAFETY ORGANIZATION

All site personnel shall be trained to obtain an appropriate health and safety standards for each project undertaken. Each facility will have a designated Health and Safety Representative. The representative is responsible for site health and safety. The Health and Safety representative will review and approve Site Specific Health and Safety Plans, as well as review the certification of each employee at their facility. The Health and Safety Representative should act as liaison to the Corporate Manager of Health and Safety, who will report directly to the President or Chief Executive Officer.

The Health and Safety Representative at each site will play a pivotal role in the administrative and maintenance of goals and objectives of the Site Specific Health and Safety Plan. The overall goal of the HASP is to provide for the health and safety of each employee and achievement of a work environment with minimal health and safety risks. The Health and Safety Representative will achieve these goals in the following manner:

- Displaying leadership in a positive attitude in all activities associated with overall project responsibilities and ensuring that all employees comply with the goals and objectives of the Corporate Health and Safety Program.
- Coordinating and communicating with the Corporate Manager of Health and Safety on matters relating to work site activities, existing and/or planned, to ensure that adequate consideration is given to maximize employee health and safety protection.
- Ensuring compliance with all applicable local, state and federal regulations.
- Ensuring that positive corrective action is taken when recommendation resulting from deficiencies identified by safety inspections, general observation, and process hazards analyses are identified.
- Ensuring that a positive attitude exists between all employees and toward the achievement of a work environment that provides maximum employee health and safety protection.

3.0 HEALTH AND SAFETY TRAINING PROGRAM

3.1 INTRODUCTION

All employees are to participate in a health and safety training program designed to comply with local, state and federal regulations in respect to initial, refresher and supervisory training requirements. Compliance with these requirements is assured with a record-keeping program to be maintained at the corporate level with hard copies available at each site. Programs shall be designed to periodically train, and to supplement previous training, throughout the course of the year. Programs should be designed ideally by the Manager of Corporate Health and Safety, who will oversee the training. Site Safety Representatives will be responsible for health and safety training at their facilities.

3.2 TRAINING PROGRAMS

Employees should not begin fieldwork until they are appropriately trained. Training programs in the following areas should be developed as part of the site health and safety plan:

- Site safety plan
- Safe work practices
- Nature of potential hazards
- Emergency response
- Safe use of vehicles
- Safe handling, storage, transport of hazardous materials
- Employee rights and responsibilities
- Use of personal protective equipment
- Safe sampling procedures

Depending on job classification, the following training programs may be appropriate for select Personnel.

- Site surveillance
- Site safety plan development
- Equipment/personnel decontamination
- Analytical instrumentation use
- Safe use of specialized equipment
- Waste cleanup/management
- Management of site cleanup
- Communication with press and community

4.0 MEDICAL SURVEILLANCE PROGRAM

4.1 INTRODUCTION

Medical surveillance is a major component of the health and safety program. It was established to monitor and promote the health of employees.

The use of recognized safety procedures and personal protective equipment minimizes these associated risks. In the event of a potentially harmful exposure, early detection of symptoms is extremely important. Thus, the medical surveillance procedures prescribed as part of this health and safety program must be followed by all personnel without exception.

Medical surveillance provides a clinical base of information that is used to evaluate an employee's fitness to work. It is used to identify anomalies in a person's medical history that may be related to potential impaired health, and to evaluate a person's capacity to use respiratory protection equipment. This base of medical information includes personal history, exposure history, physical examination results, laboratory analysis, and the results of screening and special tests. The baseline medical examinations include:

- Past medical history – on entry to the program, information concerning past occupational exposures and personal, as well as family history of disease;
- Present medical profile – all pertinent medical information regarding present state of health;
- Exposure history;
- Laboratory analyses – hematology, chemistry screen, liver and kidney function tests, and urinalysis;
- Audiometric test;
- Vision test;
- Pulmonary function test;
- Electrocardiogram;
- X-ray;
- Physical examination;
- Special tests – medical information concerning the effects of exposure to specific contaminants.

TABLE 4.1 SUGGESTED MEDICAL EXAMINATION PROTOCOL

Testing Frequency				
Test	Baseline and Exit	Intermittent	Other	Remark
1. Review of medical history	X	X		
2. General physical	X	X		
3. Pulmonary function exam	X	X		
4. Electrocardiogram	X		X	Every 5 years for age less than 40. Every year for age over 40.
5. Stress Test			X	As recommended by Physician. Especially if abnormal EKG, history of angina, myocardial infarction or cardiac surgery.
6. Chest X-ray	X		X	Every 3 years for age less than 40. Every 2 years for age less than 56. Every year for age over 56.
7. Otoscopic Exam	X	X		
8. Audiometric Exam	X		X	Annually if warranted. Every year for operators, utility workers and maintenance personnel, treatment personnel.
9. Vision Test	X	X		
10. 20-channel blood profile	X	X		
11. CBC Count	X	X		
12. Serum Cholinesterase	X	X		
13. Met hemoglobin	X	X		
14. Serum lead	X	X		
15. Urinalysis	X	X		
16. Urine heavy metals	X	X		Arsenic, cadmium, chromium, mercury

4.2 OBJECTIVES

The objectives of the medical surveillance component of the health and safety program are:

- Monitor health of employees;
- Pre-assignment screening of employee's health to determine present status and to identify existing problems that may be aggravated by chemical exposures or physical stress;
- Monitor employee health for early signs of work-related illness and employee suitability for further assignments;
- Evaluate and diagnose individuals with work-related illnesses or injuries;
- Satisfy the requirements of OSHA Part 1910.134 regarding respiratory protection.

4.3 MEDICAL EXAMINATIONS

The following are general guidelines for the medical examination aspect of the HASP. If on-site medical personnel are not available, a qualified occupational health physician should be contacted.

4.3.1 Initial Baseline Examination

All applicable employees shall be given a baseline examination prior to beginning employment. The purpose of the baseline examination is pre-assignment screening and establishing baseline medical information.

4.3.2 Periodic Examinations

All personnel who have taken the initial baseline examination and have received clearance by the examining and/or reviewing physician to participate in field or laboratory activities shall be re-examined at least once every two years, unless the attending physician recommends a longer interval. The date of each annual examination should fall on, or as closely as possible done are listed in Table 4.1.

4.3.3 Exit Examination

An exit examination shall be given to all employees upon terminating employment with Enviro Assessment PC. In the event that an employee has had a full physical within the previous six months, the employee may decline an examination. An employee must complete and sign the Waiver of Exit Examination form if he or she declines to take the exit exam.

4.3.4 Special Testing

Special testing may be required for employees to be assigned to certain projects due to the potential for exposure to specific substances. Special testing may also be necessary where the potential for heat or cold stress exists. The need for special testing will be assessed on project-by-project basis.

4.3.5 Examination Protocols

The protocols presented in Table 4-1 apply to baseline, and exit examinations. A detailed health/work history questionnaire must be completed by each employee before baseline, periodic, and annual examinations. The protocols may be modified by the reviewing or examining physician after consultation with Enviro Assessment PC.

4.3.6 Physician's Reports

Examining physicians will use: information provided by the employee in the questionnaire, the examination results, and the results of laboratory tests to determine if any work restrictions or occupational health problems appear to be present. The examining physician will provide the results of the examination to the Manager of Health and Safety. A physician's report on the examination will be sent directly to the employee with a separate letter stating ability to work with hazardous substances.

Non work-related health issues may arise during the course of the medical evaluation. The examining or reviewing physician may recommend the employee see their family doctor or a specialist. Such information may be included in a written report to the employee; however, any non work-related issues should not be included in the report to the employer.

Employer reports shall be reviewed by management and stored in the employee's files. Physician recommendations regarding limitations will be followed.

4.4 REVIEWING PHYSICIAN

The reviewing physician receives copies of all medical questionnaires, examinations, and laboratory testing results, and determines an employee's access of work. The physician also provides advice and assistance regarding site-specific medical monitoring needs and programs.

4.5 CONFIDENTIALITY

Employee medical records are maintained only for the examining physicians and reviewing physician. The information contained in the Enviro Assessment PC, medical surveillance files is confidential and available for review only by the examining and/or reviewing physicians and their medical personnel, company management and Health and Safety officer.

The request will give both full name and address of the representative and indicate the records to be released. Medical information about an employee will not be made available to the public without written authorization from the individual concerned.

The written opinion of the reviewing physician provided in the report to the employer shall not reveal specific diagnoses for findings unrelated to occupational exposure.

4.6 FINANCIAL RESPONSIBILITY

The costs of baseline, annual, special, and exit examinations will be paid to the examining physician by the company. The costs of examinations and tests that the employee voluntarily takes on recommendations by the examining or reviewing physician shall be borne by the employee unless the examinations/tests are to diagnose a work-related illness.

WAIVER OF EXIT EXAMINATION

I, _____, waive my right for an exit examination.

This examination was offered to me by _____ and was to be paid for by _____. _____ offered to provide the results of this medical examination to me according to the requirements of the medical monitoring program...

Witness

Signature

Date

5.0 INJURY/ILLNESS INVESTIGATION AND REPORTING

5.1 INTRODUCTION

The proper and efficient reporting and investigating of injuries/illness is essential to ensure that each employee receives timely medical care and that steps are taken to minimize and/or eliminate accidents.

5.2 DEFINITION OF INJURY/ILLNESS

A site-specific definition may be appropriate, however, a more general definition follows: Occupational injury is bodily harm or damage resulting from a work activity or from an exposure involving an incident in a work environment including, but not limited to lacerations, burns, sprains and/or strains, fractures, contusions, etc.

Occupation illness is a malady, including any abnormal condition or disorder other than one resulting from occupation injury, which is caused by exposure to environmental factors associated with ones employment, regardless of time between exposure and effect.

5.3 REPORTING AND PROCEDURES

An injury/illness report form should be developed. The form shall be completed for all accidents, including all company employees and subcontractor employees. In the event of an accident to the subcontractor employee, the form and investigation is to be prepared and performed by the subcontractor.

The injury/illness report form will serve as the basis for the written reporting and investigating of all accidents resulting in employees receiving more than non-intrusive first aid.

All such accidents are to be verbally communicated to the Health and Safety Representative or Site Manager as soon as medical services are secured. These individuals will verbally notify the Manager of Corporate Health and Safety within 24 hours of the accident. Necessary medical services and employee care shall be secured prior to the initiation of reporting the incident and the investigation process.

The investigation should be thoroughly performed at a minimum by the injured employee's immediate supervisor. The results of the investigation are to be documented using the report form with the form being signed by the investigator. The form is then forwarded to the appropriate management staff, who following a review, are required to sign and date the form before forwarding to the Safety Representative. Following the Safety Representative's review and signature a copy of the form is to be made for the project file, with the original forwarded to the Manager of Corporate Health and Safety.

5.4 FOLLOW-UP PROCEDURES

If the injury or illness resulted from the uncontrolled release of hazardous material, the Corporate Manager of Health and Safety must be notified immediately so that discussions with the appropriate occupational physician can occur to determine if additional biological monitoring should be prescribed.

As soon as is practical following an initial medical evaluation and treatment, the injured employee is to be scheduled into a health facility for medical evaluation. Placing the employee into a medical facility is necessary to ensure that the employee receives quality medical treatment during any type of recovery period. This does not apply to subcontractor or contractor employees.

5.4 RETURN TO WORK

Appropriate medical evaluation must be made prior to determination of an employee's ability to return to work. This evaluation will vary according to the illness and/or injury incurred by the employee.

6.0 SELECTION AND USE OF RESPIRATORY PROTECTION EQUIPMENT

This section is not in use for this project at this time.

7.0 HAZARD COMMUNICATION PROGRAM**7.1 INTRODUCTION**

The program must conform to the requirements of the Federal OSHA standard 1910.1200. It ensures that information necessary for the safe use, handling and storage of hazardous chemicals is provided to and made available to all employees.

The program must include guidelines on identification of chemical hazards and the preparation and proper use of container labels, placards and other types of warning devices.

The following are recommended topics to be addressed in the written program.

7.2 CHEMICAL INVENTORY

1. An inventory of all known chemicals in use on the work site must be maintained. A chemical inventory list must be posted.
2. Hazardous chemicals brought onto the work site by employees or contractors and suppliers must be promptly included on the hazardous chemical inventory list.
3. All contractors and subcontractors will be required to provide a list of all chemicals they intend to use while on the site.

7.3 CONTAINER LABELING

1. All chemicals on site should be stored in their original containers with a proper label attached, except small quantities for immediate use. Any container not properly labeled should be given to the department or job supervisor for labeling or proper disposal.
2. Workers may dispense chemicals from original containers only in small quantities intended for immediate use. Any chemical left after work is completed must be returned to the original container or department supervisor for proper handling.
3. No unmarked containers of any size are to be left in the work area unattended.
4. Employees should rely on manufacturer applied labels whenever possible, and will ensure that these labels are maintained in a clean and legible manner. Containers that are not labeled or on which the manufacturer's label has been removed and will be relabeled.
5. Employees will ensure that each container is labeled with the identity of the hazardous chemical contained by any appropriate hazard warnings.
6. All subcontractors shall be advised of and required to comply with these procedures.

7.4 MATERIAL SAFETY DATA SHEETS (MSDS)

- Employees working with a hazardous chemical may request a copy of the material safety data sheet (MSDS). Requests for MSDSs should be made to the work supervisor, superintendent or Health and Safety Representative.
- MSDSs will be made available and standard chemical references may also be available on the site to provide immediate reference to chemical safety information.
- The same information will be available to all contractors, subcontractors, consultants, and/or suppliers working on site.

7.5 EMPLOYEE TRAINING

All employees will be trained to work safely with hazardous chemicals. Employee training will include:

- Methods that may be used to detect a release of hazardous chemicals in the workplace;
- Physical and health hazards associated with chemicals;
- Protective measure to be taken;
- Safe work practices, emergency responses and use of personnel protective equipment;
- Information on the Hazard Communication Standard including labeling and warning systems and an explanation of Material Safety Data Sheets; and
- Location of Hazard Communication Plan in workplace.

7.6 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Required PPE will be provided to each employee in accordance with the job standard operating procedures. Any employee found in violation of PPE requirements may be subject to disciplinary actions up to and including discharge.

Personal protective equipment may only be upgraded or downgraded by the Health and Safety Officer and/or Safety Supervisor, based upon conditions and air monitoring results. The following is a description of required personal protective equipment by level of protection.

LEVEL A – Self contained breathing apparatus (SCBA) or supplied air respirator (SAR) with escape SCBA; totally encapsulating suit; chemical-resistant boots and gloves; intrinsically safe two-way radio communications.

LEVEL B – SCBA or SAR with escape SCBA, chemical resistant suit, boots, gloves.

LEVEL C – Air purifying respirator (half or full face); chemical resistant suit, boots, gloves.

LEVEL D – Coveralls, chemical resistant boots, safety glasses. *This is the recommended equipment for this project at this time.*

7.7 EMERGENCY RESPONSE

- All emergency response activities should be governed by a written plan.
- Any incident of adverse or spill of a hazardous chemical must be reported to the immediate supervisor at once.
- The supervisor will be responsible for ensuring that proper response actions are taken in leak/spill or exposure situations in accordance with the approved Plan. The supervisor must report the incident to the Health and Safety officer immediately.

7.8 HAZARDS OF NON-ROUTINE TASKS

- Supervisors will inform employees of any special tasks that may arise which would involve possible exposure to hazardous chemicals.
- Review of safety work procedures and use of required PPE will be conducted prior to the start of such tasks. Where necessary, areas will be posted to indicate the nature of the hazard involved.

7.9 INFORMING CONSULTANTS, CONTRACTORS, SUPPLIERS

- All contractors, consultants and suppliers are required to adhere to the provisions of the Hazard Communication Program;
- Information on hazardous chemicals known to be present will be exchanged with other contractors. All contractors, consultants and suppliers will be responsible for providing necessary information to their employees.
- All contractors, consultants and suppliers will be provided with a copy of the hazard communications program and PPC plan.

8.0 HEAT STRESS

This section is not in use for this project at this time.

9.0 COLD STRESS**9.1 PURPOSE**

The purpose of this operating procedures is to provide information on cold stress and procedures for preventing and dealing with cold stress. Adverse climatic conditions of cold are important considerations in planning and conducting site operations. Ambient temperature effects can include physical discomfort, reduced efficiency, personal injury, and increased accident probability.

9.2 TYPES OF COLD STRESS

Persons working outdoors in low temperatures, especially at or below freezing are subject to cold stress. Exposure in extreme cold for a short time can cause severe injury to the surface of the body, or result in profound generalized cooling, causing death. Areas of the body which have high surface area to volume such as fingers, toes, and ears, are the most susceptible.

Protective clothing generally does not afford protection against cold stress. In many instances, it increases susceptibility.

Two factors influence the development of a cold injury, ambient temperature and the velocity of the wind. Wind chill is used to described the chilling effect of moving air in the combination with low temperature.

As a general rule, the greatest incremental increase in wind chill occurs when a wind at 5 mph increases to 10 mph. Additionally, water conducts heat 240 times faster than air. Thus, the body cools suddenly when chemical-protective equipment is removed if the clothing underneath is perspiration soaked.

9.3 FROSTBITE

Local injury resulting from cold is included in the generic term frostbite. Frostbite of the extremities can be categorized into:

Frost nip or incipient frostbite is characterized by sudden blanching or whitening of the skin.

Superficial frostbite is characterized by skin with a waxy or white appearance and is firm to the touch, but tissue beneath is resilient.

Deep frostbite is characterized by issues that are cold, pale, and solid.

To administer first aid for frostbite; Take the victim indoors and warm the areas quickly in water that is between 30-41°C (102-105°F). Give a warm drink – not coffee, tea or alcohol. The victim

must not smoke. Keep the frozen parts in warm water or covered with warm clothes for 30 minutes, even though the tissue is very painful as it thaws. Then elevate the injured area and protect it from injury. Do not allow blisters to be broken. Use sterile, soft, dry material to cover injured areas. Keep victim warm and get immediate medical care.

Measure the air temperature with standard thermometer. Estimate fraction of sunshine by judging what percent the sun is out: 100% sunshine = no cloud cover = 1.0; 50% cloud cover = 0.5; sunshine = full cloud cover = 0.0.

Reduce or increase the work cycle according to the guidelines under heart rate.

After thawing, the victim should try and move the injured areas a little, but no more than can be done alone, without help.

Note:

- Do not rub the frostbitten part (this may cause gangrene).
- Do not use ice, snow, gasoline or anything cold on the frostbitten area.
- Do not use heat lamps or hot water bottles to re-warm the part.
- Do not place the part near a hot stove or heater.

9.4 HYPOTHERMIA

Systemic Hypothermia is caused by exposure to freezing or rapidly dropping temperature. Its symptoms are usually exhibited in five stages:

- 1) Shivering
- 2) Apathy, listlessness, sleepiness, and (sometimes) rapid cooling of the body to less than 95°F
- 3) Unconsciousness, glassy stare, slow pulse, and slow respiratory rate.
- 4) Freezing of the extremities.
- 5) Death.

9.5 COLD STRESS MANAGEMENT

As a general rule, field activities shall be limited if equivalent chill temperature (CF) as defined in Exhibit 1 is below zero (0°F). Exhibit 2 shall be used as a guideline for site activity schedules.

Proper training and preventative measures will help avert serious illness and loss of productivity due to cold stress. Prevention is important because once someone suffers from cold stress, that person may be predisposed to additional injury. To avoid cold stress, management should:

- Adjust work schedule
- Provide shelter
- Maintain workers health
- Encourage workers to maintain fitness
- Provide adequate training

10.0 CONFINED SPACE ENTRY

This section is not in use for this project at this time.

10.1 PURPOSE

The purpose of this operation procedure is to provide employers, and employees working in confined spaces, with a process for evaluating the potential hazards, taking steps to control those hazards, and maintaining compliance with the Permit-Required Confined Space regulation presented in 29 CFR 1910.146.

10.2 DEFINITION OF CONFINED SPACE AND PERMIT-REQUIRED CONFINED SPACE.

Confined space means a space that:

- 1) Is large enough and so configured that an employee can bodily enter and perform assigned work;
- 2) Has limited or restricted means for entry or exit (for example, tanks, vessels, silos, storage bins, hoppers, vaults, and pits are spaces that may have limited means of entry); and
- 3) Is not designed for continuous employee occupancy.

Permit-required confined space (permit space) means a confined space that has one or more of the following characteristics:

- 1) Contains or has the potential to contain a hazardous atmosphere;
- 2) Contains a material that has the potential for engulfing an entrant;
- 3) Has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly converging walls or by a floor which slopes downward and tapers to a smaller cross-section; or
- 4) Contains any other recognized serious safety or health hazard.

If the space can be maintained in a condition safe to be entered by continuous forced air ventilation, may choose to enter the space under guidelines presented in 29 CFR 1910.146 (c) (5) which include:

- Can demonstrate that the only hazard posed by the permit space is an actual or potential hazardous atmosphere, which can be controlled by continuous air ventilation for safe entry into the space.
- Before employee enters the space, the internal atmosphere shall be tested with a calibrated direct-reading instrument for the following conditions in the order given:
 - 1) Oxygen content
 - 2) Flammable gases and vapors, and
 - 3) Potential toxic air contaminants, which may exist or arise in the space.
- The atmosphere within the space shall be periodically tested as necessary to ensure that the continuous forced air ventilation is preventing the accumulation of a hazardous atmosphere.

- The Confined space expert will verify that the space is safe for entry through a written certification that contains the date, the location of the space, and the signature of the person providing the certification.
- If the atmospheric hazards cannot be eliminated through continuous forced air ventilation and/or hazards are present, then the space is a permit-required confined space.

10.3 CLASSIFICATION OF NON-PERMIT AND PERMIT-REQUIRED CONFINED SPACES

All confined spaces must be approached with the understanding that they are dangerous. Until information is provided or data generated to prove otherwise, any employee is to assume that the confined space is of the highest hazard potential. A confined space classification checklist for use in the field is included in Attachment 2.

With the criteria for approaching the confined space now established, the next step is to actually determine the hazards that are present so that the work space can be properly classified. The classification is based on airborne hazards, moving mechanical devices, and potential for engulfment; however, electrical equipment and inlet/outlet piping must also be considered as they can be a serious safety and health hazard. The first step towards classification is determining whether the space is a permit required confined space or a non-permit required confined space.

Inspection of site conditions, testing of the atmosphere within the space, and application of the decision flow chart provided in Appendix A of 29 CFR 1910.146 aids in the classification process.

The following three questions are key to determining the classification of a confined space:

- 1) Does the space have known or potential hazards?
- 2) Can the hazards be eliminated?
- 3) Can the space be maintained in a condition safe to enter by continuous forced air ventilation only?

If the hazards can be eliminated, may choose to classify the space to a non-permit required confined space by following 1910.146 (c) (7) which state:

- If the permit space poses no actual or potential atmospheric hazards into the space are eliminated without entry into the space, the confined space may be classified as a non-permit space for as long as the non-atmospheric hazards remain eliminated.
- If it is necessary to enter the space to eliminate the hazards, such entry shall be performed under permit-required confined space entry guidelines, which include testing and inspection.

- The Confined space expert shall document the basis for determining that all hazards in a permit space have been eliminated, through a certification that contains the date, the location of the space, and the signature of the person making the determination.
- If hazards arise, each employee in the space shall exit the space. The Confined space expert shall then reevaluate the space.

11.0 SITE-SPECIFIC HEALTH AND SAFETY PLAN

11.1 INTRODUCTION

A Site-Specific Health and Safety Plan will be generated for any intrusive work activities performed which involve hazardous materials. The health and safety plan will serve as a vehicle for providing Site-Specific Health and Safety information to employees assigned to specific tasks. It will be available on site and will be reviewed by all employees prior to beginning work. Documentation that employees have reviewed health and safety plan will also be available on site. The health and safety plan will be prepared at a minimum in accordance with the required elements of OSHA 29 CFR 1910.120.

11.2 HEALTH AND SAFETY PLAN ELEMENTS

The Site-Specific Health and Safety Plan will address the following:

- Names of key personnel and alternates responsible for development, implementation, and maintenance of the health and safety plan. This section will describe personnel and the lines of communication to be followed in performance of the project.

Manager for Site Operations shall be: James Robinson of Enviro Assessment PC.

Company owner and Project Geologist: James Robinson.

- A risk analysis will be described for each anticipated task and/or operation. This will include a discussion of the suspected hazardous materials, other health and safety hazard potential, etc. Also included in this section is the discussion concerning the types of equipment and physical hazards associated with the operation of such equipment, which will be required for the job.

This Project includes the Hand Augering of numerous boring to sample for possible contamination from a variety of contaminants including OCPs and metals.

- Site-Specific Health and Safety training shall be provided to all employees participating in any project work. The training will include at a minimum the elements of the health and safety plan.
- Protective equipment requirements will be specific for each anticipated task. The equipment will be prescribed based on suspected hazardous materials being used on-site in the activities associated with the use of these materials.

No airborne hazards are anticipated at this time. Care should be taken when handling groundwater and soil samples as contamination is not known at this time.

- Medical surveillance requirements, when different from the health and safety plan requirements, will be specified by the Site-Specific Plan. Additional medical surveillance will be prescribed by an occupational physician who shall oversee the medical surveillance program.

No additional medical surveillance is recommended.

- The types and frequencies of personal and area air monitoring will be defined by an industrial hygienist or equivalent based on materials anticipated on-site and tasks. Specifies as to the type of monitoring equipment, sampling and analytical methodologies and sampling equipment operation, calve ration and maintenance shall be provided in this section.
Non-required or anticipated at this time.
- Details as to exposure control measures shall be provided. This will psycho initiate, for example exclusion, contamination reduction, and support zones, procedures for site entry and exit, the use of a buddy system, site communication, site specific safe work practice and the identification of the nearest medical facility.
Standard drilling procedures similar to gas-station or other potentially hazardous site will be in use.
- A section of the Site-Specific Health and Safety Plan will include site specific equipment and personality contamination procedures.
Decontamination of all sample and drill equipment will be in practice for the site.
- Standard Operating Procedures, which are specific to the site and/or tasks, will be covered for review.
- A contingency plan, to be implemented in the event of illness or injury, fires, catastrophic events will be developed for inclusion.
An emergency meeting point has been established at the driveway as a meeting point in case of unforeseen development.

Compliance base entry procedures will be described if necessary.

The Health and Safety Manager and/or the Corporate Manager of Health and Safety are responsible for review of all Site Specific Health and Safety Plans. The reviews performed to ensure health and safety hazard potentials have been considered for all anticipated project work. No work associated with hazardous materials will be performed until an acceptable Site Specific Health and Safety Plan has been submitted and approved. This document is accepted upon signature of the Health and Safety Representative or the Corporate Manager of Health and Safety.

12.0 AUDIT AND INSPECTION**12.1 INTRODUCTION**

The audit and inspection procedures establishes some guidelines which should be followed in the event of an unexpected Health and Safety Audit and Inspection by client or regulatory agency at a specific project site.

12.2 GUIDELINES

It is extremely important that site personnel be prepared to handle a regulatory inspection. All appropriate documentation should be readily available for the auditor. The Site Health and Safety Representative and Project Manager should be the prime interfaces with the auditing team. All employees should have read and signed the Site Health and Safety Plan.

- As soon as practical, the Corporate Manager of Health and Safety and/or the Office of General Council should be notified with details of the audit.
- As early as possible, establish a reason for the inspection. Employee complaints, specific projects and specific processes are some typical inspection impedes.
- The auditor shall be accompanied at all times during the inspection by the Site Health and Safety Representative and/or the Project Manager.
- Detailed notes should be kept of all questions asked of any personnel and/or any information or process reviewed by the auditor.
- Side-by-side photographs and/or video tapes should be taken whenever the auditor takes such photographs or video tapes. All photos should correspond with the inspector's records.
- Responses to the auditor's questions should be short and direct. It is perfectly acceptable to respond with "I don't know, but can find out". Never speculate, assume, or extrapolate in any response to the director.

13.0 STANDARD OPERATING PROCEDURES

Only relevant SOPs should be included in the HASP. The following is a list of potential SOPs for the worksite:

- EYE AND FACE PROTECTION
- HEAD PROTECTION
- FOOT PROTECTION
- HEARING CONSERVATION AND PROTECTION
- FALL PROTECTION
- SAFETY NETS
- LADDER SAFETY PLAN
- WORK PRACTICES OVER OR NEAR WATER
- BURNING AND WELDING
- RIGGING
- MOTOR VEHICLE OPERATION
- LOCK-OUT/TAG-OUT PROCEDURES
- HOT WORK PERMITTING
- CONTRACTOR SAFETY PLANS
- EXCAVATION SAFETY
- EQUIPMENT DECONTAMINATION
- SAMPLE HANDLING AND DISPOSAL
- CONFINED SPACE ENTRY
- LEAD

Emergency Contact information

Project manager: James Robinson of
Enviro Assessment, PC
Site manager contact: James Robinson

**Site Contractor company and non-field
contact:** TBD

**Locate Contractor company and non-field
contact:** TBD

Local site manager: TBD

Client:
Ben Engelman
11652 Bridge Park Ct.,
Cupertino, CA 95014
(408) 891-8396

Additional facility contacts:

Emergency contact: 911

Poison control center:
800 222-1222

**Local Fire Department location and con-
tact:**

Monta Vista Fire Station #7
Address: 22620 Stevens Creek Blvd
TEL: 408-299-3144
911 for emergencies

Closest Hospital location:
Urgent Care Cupertino - El Camino Health
19600 Vallco Pkwy Ste 170, Cupertino, CA
95014
www.elcaminohealth.org
+1(408) 871-5090