

Phase II Environmental Site Assessment Report

Skyview Estates Property

4692 Crater Lake Avenue

Medford, Oregon 97504

Approximately 17.9-Acre Portion of Map 371W05 and TL 600

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ALPINE ENVIRONMENTAL CONSULTANTS, LLC

EXECUTIVE SUMMARY

Skycrest Engineering Services, Inc. (Skycrest Engineering) retained Alpine Environmental Consultants, LLC (AEC) to conduct a Phase II Environmental Site Assessment (ESA) at the property addressed as 4692 Crater Lake Avenue in Medford, Oregon and occupying an approximately 17.9-acre portion of Map 371W05 and Taxlot 600 (the 18-Acre Site). This Phase II ESA work involved a soil investigation.

A Phase I ESA was conducted on a larger 207-acre property in approximately 2007 by another consultant. This 207-acre property consists of TL 300, TL 315, and TL 600 of Map 371W05 and is identified as the Skyview Estates Property. AEC completed some preliminary soil sampling investigation work for another client on this larger property in 2021. Skycrest Engineering retained another consultant to complete a Phase I ESA for this larger property in December 2024 prior to purchasing the Skyview Estates Property.

The 18-Acre Site is located on the southern portion of the Skyview Estates Property. The central and southern portions of the Skyview Estates Property were occupied at various lengths of time by orchards from the 1930s until the 2000s. The preliminary soil testing work completed in 2021 identified elevated concentrations of arsenic in shallow soil, which was concluded to be consistent with the historical use of pesticides at the property rather than the presence of naturally occurring arsenic. The Phase I ESA completed in 2024 identified the historical orchard operations involving pesticide use as a Recognized Environmental Condition (REC) and mentioned that steps to delineate and address these impacts would be required prior to or in the course of redevelopment. Therefore, a Phase II ESA was conducted at the 18-Acre Site prior to its development to determine if the soil at the 18-Acre Site was adversely impacted by orchard pesticide use and to determine if this potential REC remains a REC or could be eliminated from further consideration.

The Phase II ESA field work was conducted on April 9, 2025. The 18-Acre Site was divided into five sections, identified in this report as Decision Units (DUs), specifically DU1 through DU5. Based on a review of historical aerial photographs, the 18-Acre Site had been in orchard production until the 2000s. The orchard production started somewhere between at least the 1930s and the 1980s, as follows: on DU1, the southeast portion of DU2, and DU3, sometime before 1939; on the northwestern portion of DU2 in the 1960s; and on DU4 and DU5 areas in the 1980s.

The subsurface investigation included the excavation of four test pits in each DU area. Five discrete soil samples were obtained from each test pit from depths of 0.0 to 0.5 feet below ground surface (bgs), 0.5 to 1.0 feet bgs, 1.0 to 1.5 feet bgs, 1.5 to 2.0 feet bgs, and 2.0 to 3.0 feet bgs. Five composite soil samples were prepared for each DU area by homogenizing soil from the four test pits from the same depth interval by the analytical laboratory using Incremental Sampling Methodology (ISM) techniques. These composite samples were labeled as DU1-0.0-0.5



through DU5-0.0-0.5, DU1-0.5-1.0 through DU5-0.5-1.0, DU1-1.0-1.5 through DU5-1.0-1.5, DU1-1.5-2.0 through DU5-1.5-2.0, and DU1-2.0-3.0 through DU5-2.0-3.0.

The soil samples were submitted for relevant laboratory analyses to determine if the subsurface at the 18-Acre Site has been impacted at constituent concentrations exceeding relevant generic risk-based concentrations (RBCs) developed by the Oregon Department of Environmental Quality (DEQ). The generic RBCs applicable to the 18-Acre Site are consistent with the planned residential land use and assume residential receptors, construction workers, and excavation workers will be present at the 18-Acre Site. The reported concentrations of metals in soil were also compared to the naturally occurring background concentrations developed for the Cascade Mountains region of Oregon, which includes the 18-Acre Site. All reported concentrations were also compared to the Clean Fill Values listed in DEQ's *Clean Fill Determinations* Internal Management Directive dated February 21, 2019 (DEQ, 2019). Note that the Clean Fill Values for metals coincides with the naturally occurring background concentrations.

All composite soil samples were submitted to the laboratory but only the three shallower soil samples from 0.0 to 1.5 feet bgs within each DU were analyzed. The two deeper soil samples from 1.5 to 3.0 feet bgs were archived in a freezer by the laboratory. Given the reported results of the 0.0 to 1.5 feet bgs soil samples, AEC does not believe additional analyses will need to be conducted on the deeper samples. The analyses conducted and the reported results of the subsurface investigation are the following: total metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, mercury, molybdenum, selenium, silver, thallium, vanadium, and zinc); organochlorine pesticides; organophosphorus pesticides; and chlorinated herbicides.

The Phase II ESA analytical data reported several constituents in soil samples at concentrations above the laboratory method reporting limits (MRLs). Overall, the analytical results reported in general a higher concentration of metals and pesticides constituents in the upper 1.0 feet of soil than in the underlying layer from 1.0 to 1.5 feet bgs. These data demonstrate concentrations of pesticides constituents attenuate fairly rapidly with depth.

The reported concentrations of several constituents exceeded the relevant generic RBCs and/or Clean Fill Values, as follows.

- Arsenic was reported in all analyzed composite soil samples at concentrations ranging from 2.50 to 50.4 milligrams per kilogram (mg/kg), which exceeded the generic RBC for the *ingestion, dermal contact, and inhalation exposure pathway* for residential receptors of 0.43 mg/kg. The concentration of arsenic in five composite soil samples (DU1-0.5-1.0, DU2-0.0-0.5, DU3-0.0-0.5, DU3-0.5-1.0, and DU5-0.0-0.5) also exceeded the naturally occurring background concentration of 19 mg/kg in the Cascade Mountains region, which includes the eastern part of the Medford area and the 18-Acre Site. Arsenic was also reported in these five composite soil samples at concentrations above the generic RBC for the *ingestion, dermal contact, and inhalation exposure pathway* for construction workers of 15 mg/kg.
- Lead was reported in all analyzed composite soil samples at concentrations ranging from 6.78 to 201 mg/kg. Seven of the reported lead concentrations (in samples



- DU1-0.0-0.5, DU1-0.5-1.0, DU2-0.0-0.5, DU3-0.0-0.5, DU3-0.5-1.0, DU3-1.0-1.5, and DU5-0.0-0.5) exceeded the generic RBC for the *leaching to groundwater exposure pathway* for residential receptors of 30 mg/kg. The concentration of lead in these seven samples also exceeded the naturally occurring background concentration of 34 mg/kg.
- Dieldrin was reported in five of the composite soil samples at concentrations ranging from 0.00285 to 0.0640 mg/kg. Some of these reported dieldrin concentrations exceeded the generic RBC for the *ingestion, dermal contact, and inhalation exposure pathway* for residential receptors of 0.034 mg/kg (in samples DU2-0.0-0.5, DU3-0.0-0.5, and DU3-0.5-1.0) and/or the generic RBC for the *leaching to groundwater exposure pathway* for residential receptors of 0.010 mg/kg (in samples DU2-0.0-0.5, DU3-0.0-0.5, DU3-0.5-1.0, and DU3-1.0-1.5).
 - In addition, the reported concentrations of antimony, arsenic, lead, 4,4'-dichlorodiphenyldichloroethene (4,4'-DDE), 4,4'-dichlorodiphenyltrichloroethane (4,4'-DDT), and dieldrin exceeded DEQ's Clean Fill Values to a depth of 1.5 feet bgs within select DUs.

While generic RBCs for residential receptors and construction workers were exceeded for the aforementioned constituents and exposure pathways, potential risks to human health associated with these constituents and exposure pathways can be managed, mitigated, and/or eliminated from further concern, as follows:

1. The generic residential RBC under the *soil ingestion, dermal contact, and inhalation exposure pathway* assumes residential receptors are likely to come into contact with contaminated soils found in the upper 3 feet of soil. The concentrations of arsenic reported in the composite soil samples collected from depths of 0.0 to 1.5 feet bgs in select DUs exceeded this RBC. However, arsenic exceeded the naturally occurring background concentration only in the composite soil samples collected from 0.0 to 1.0 feet bgs. The concentrations of dieldrin reported in the composite soil samples collected from depths of 0.0 to 1.0 feet bgs also exceeded this generic RBC in select DUs. Therefore, prior to property development, if the upper 1.0 feet of soil is not excavated in select DUs and properly managed during development, AEC recommends institutional and/or engineering controls be implemented. Institutional and/or engineering control options to protect residential receptors include but are not limited to the following: removal of shallow soil (at least from 0.0 to 1.0 feet bgs); paving; covering the property with a 3-foot layer of clean compacted fill material; additional investigations to delineate arsenic concentrations in shallow soil; developing an asphalt cap maintenance plan; developing a Contaminated Media Management Plan (CMMP) with or without DEQ approval; and/or applying a deed notice (e.g. to ensure the asphalt cap is maintained).
2. The generic construction workers RBC for total arsenic under the *soil ingestion, dermal contact, and inhalation exposure pathway* assumes construction workers could be exposed over 1 year to arsenic during construction activities involving the disturbance of impacted-soils. However, it is unlikely construction workers would be working at the 18-Acre Site continuously for 1 year. Furthermore, this risk could be easily mitigated with proper communication to future construction workers requiring they wear appropriate



Personal Protective Equipment (PPE) and follow proper decontamination procedures subsequent to working in order to avoid exposure and health risks. The procedures documenting proper communication, appropriate PPE, and proper decontamination could be documented in a CMMP with or without DEQ approval.

3. The generic residential RBC for lead and dieldrin under the *leaching to groundwater exposure pathway* conservatively assumes that a water supply well is being used at the 18-Acre Site or proximal to it, and that these constituents could be leached from the shallow soil, impact groundwater, and that residential receptors could subsequently be exposed to these constituents in drinking water. The 18-Acre Site is currently undeveloped vacant land with no current water use. When developed, the 18-Acre Site will be serviced with municipal water by Medford Water. The neighboring properties are either undeveloped land with no water use or have commercial/industrial use and utilize municipal water and will likely continue to utilize municipal water in the future. A review of the WRD well records indicates the 18-Acre Site has no water supply wells. Based on the regional topography, the assumed groundwater flow direction in the area is to the north-northwest towards Swanson Creek. Given the current groundwater use status at the 18-Acre Site (i.e. the absence of wells, no current water use, and the future planned municipal water use), it is highly unlikely potentially leached lead and dieldrin from the shallow soil into groundwater at the 18-Acre Site will pose an unacceptable risk to residential receptors at the 18-Acre Site. To completely eliminate the potential risk that leaching of these constituents to groundwater might pose to residential receptors at the 18-Acre Site, a groundwater investigation could be conducted and/or a deed notice could be developed and applied that prohibits the installation of wells to supply water to residential receptors at the 18-Acre Site. It should also be noted the concentrations of lead and dieldrin attenuate to concentrations below the generic RBC for the *leaching to groundwater exposure pathway* for residential receptors at a maximum depth of 1.5 feet bgs. These data indicate that if shallower soil were removed during development to meet geotechnical requirements, this potential risk is eliminated.
4. The Clean Fill Values were exceeded by several constituents in the composite samples collected throughout the 18-Acre Site at a depth ranging from 0.0 to 1.5 feet bgs. If soil from 1.0 to 1.5 feet bgs is excavated throughout the 18-Acre Site, it can be reused on the 18-Acre Site or the Skyview Estates Property as unrestricted fill. However, if this soil is exported off of the Skyview Estates Property, it should be managed appropriately to ensure it does not adversely impact ecological receptors. For example, this soil could be properly disposed of at a quarry under a DEQ-approved Solid Waste Letter of Authorization (SWLA). It should be noted the soil at a depth of 0.0 to 1.0 feet bgs should be addressed as described under bullet #1 to address potential arsenic and dieldrin risks for residential receptors under the *soil ingestion, dermal contact, and inhalation exposure pathway*. If soil at a depth below 1.5 feet bgs is excavated at the 18-Acre Site, it should be assumed it exceeds the Clean Fill Values for the organochlorine pesticides mentioned above or it should be sampled and analyzed for organochlorine pesticides.

Based on the available data, AEC concluded that the historical orchard practices at the 18-Acre Site involving pesticides have adversely impacted the surficial soil and are considered a REC. The



available data reflect the adverse impacts are in the soil within the investigated interval of 0.0 to 1.5 feet bgs.

Based on these findings and accounting for the inherent uncertainties associated with any subsurface investigation, AEC recommends the following:

- During development activities, appropriately manage potential risks associated with residual pesticides concentrations in shallow soil that are above generic RBCs and/or Clean Fill values in the upper 1.5 feet of soil of the 18-Acre Site. If the soil is to be placed elsewhere on the Skyview Estates Property, it should be managed under a DEQ-approved Soil Management Plan to be protective of human and ecological receptors (e.g. placed under a 2 to 3 foot cap of clean soil). If this soil is to be excavated during development and moved off of the Skyview Estates Property, the soil should be disposed of consistent with DEQ regulations, examples being disposal under a DEQ-approved SWLA or disposal at an approved landfill (e.g. Dry Creek Landfill).
- Soil removal depths to be protective of human health for complete exposure pathways at the 18-Acre Site are as follows: 12 inches in DU1, 6 inches in DU2, 12 inches in DU3, no removal needed in DU4, and 6 inches in DU5.



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LIST OF ACRONYMS AND ABBREVIATIONS

AEC	Alpine Environmental Consultants, LLC
bgs	below ground surface
CMMP	Contaminated Media Management Plan
4,4'-DDE	4,4'-Dichlorodiphenyldichloroethene
4,4'-DDT	4,4'-Dichlorodiphenyltrichloroethane
DEQ	Department of Environmental Quality
ESA	Environmental Site Assessment
mg/kg	milligrams per kilogram
MRL	method reporting limit
NFA	no further action
PPE	personal protective equipment
ppm	parts per million
RBC	risk-based concentrations
REC	recognized environmental condition
SWLA	Solid Waste Letter of Authorization
TL	tax lot
USEPA	United States Environmental Protection Agency
VCP	Voluntary Cleanup Pathway
WRD	Water Resources Department



1 INTRODUCTION

Alpine Environmental Consultants, LLC (AEC) has prepared this report to present the findings of the Phase II Environmental Site Assessment (ESA) conducted on an approximately 17.9-acre portion of Map 371W05 and Taxlot (TL) 600 (the 18-Acre Site). The Phase II ESA was conducted on behalf of Skycrest Engineering Services, Inc. (Skycrest Engineering). The Phase II ESA involved a soil investigation.

1.1 Site Description

The 18-Acre Site consists of an approximately 17.9-acre portion of Map 371W05 and TL 600. The 17.9-acre area is on the southwestern portion of TL 600 and is also known as the Phase I/II Development Area. TL 600 is addressed as 4692 Crater Lake Avenue, Medford, Oregon. The 18-Acre Site consists of undeveloped grassy land with remnants of rows of trees which formerly comprised a pear orchard. The location of the 18-Acre Site is shown on **Figure 1, Figure 2, and Figure 3.**

The topography at the 18-Acre Site slopes gently to the north and west. Swanson Creek is located approximately 0.85 miles to the northeast of the 18-Acre Site and runs in an approximately southeast-northwest direction. Based on the general topography in the vicinity of the 18-Acre Site, it is expected that groundwater at the 18-Acre Site flows to the north-northwest towards Swanson Creek.

According to the City of Medford 2025 zoning map, the 18-Acre Site is zoned as single family residential, six units per acre. The neighboring properties are zoned as single family residential (single unit per lot), heavy commercial, light industrial, and exclusive farm use.

1.2 Site Background

A Phase I ESA was conducted on a larger 207-acre property in approximately 2007 by another consultant. This 207-acre property consists of TL 300, TL 315, and TL 600 of Map 371W05 and is identified as the Skyview Estates Property. AEC completed some preliminary soil sampling investigation work for another client in 2021. Skycrest Engineering retained another consultant to complete a Phase I ESA for the Skyview Estates Property in December 2024 prior to purchasing the Skyview Estates Property.

The 18-Acre Site is located on the southern portion of the Skyview Estates Property. The central and southern portions of the Skyview Estates Property were occupied at various lengths of time by orchards from at least the 1930s through the 2000s. Preliminary soil testing work completed in 2021 identified elevated concentrations of arsenic in shallow soil, which was concluded to be consistent with the historical use of pesticides at the property rather than the presence of naturally occurring arsenic. The Phase I ESA completed in 2024 identified the historical orchard



operations involving pesticide use as a Recognized Environmental Condition (REC) and mentioned that steps to delineate and address these impacts would be required prior to or in the course of redevelopment.

Given the identified REC, AEC recommended a Phase II ESA be conducted at the 18-Acre Site.

1.3 Objectives

The objectives of this Phase II ESA were the following:

- To collect a technically appropriate dataset representative of current conditions to determine if residual contamination in shallow soil at the 18-Acre Site associated with historical uses could generate unacceptable risks to human receptors (i.e. residential receptors) at the 18-Acre Site or if these concerns can be eliminated from further consideration.
- To collect a technically appropriate dataset representative of current conditions that can be used to segregate pesticides-impacted soil that meets DEQ's Clean Fill Values (i.e. unrestricted use) versus soil that does not meet DEQ's Clean Fill Values. Should soil that does not meet DEQ's Clean Fill Values be identified, the available dataset should be useful in obtaining a Solid Waste Letter of Authorization (SWLA) from DEQ to more cost-effectively dispose of the soil at a quarry.
- Should the dataset suggest one or more constituents in various media pose potential risks to human receptors, the data collected during the Phase II can be used to better constrain uncertainties associated with adverse environmental impacts on future development plans.
- If warranted, the data collected during the Phase II might be valuable in developing remedial actions and/or obtaining a No Further Action (NFA) letter from DEQ through the Voluntary Cleanup Pathway (VCP).

The Phase II ESA included soil investigations. The Phase II ESA investigation process is presented in **Section 2**, data evaluation is presented in **Section 3**, and conclusions and recommendations are presented in **Section 4**.



2 PHASE II ESA INVESTIGATION

The Phase II ESA included a subsurface investigation, specifically soil sampling. The subsurface investigation was conducted on April 9, 2025, and a summary of the field methods and observations is presented in **Section 2.1** and **Section 2.2**. The analytical results of the soil samples and their interpretation are included in **Section 3**. Conclusions and recommendations are presented in **Section 4**. The photographic documentation is included in **Appendix 1**. The complete laboratory results are included in **Appendix 2**. The location of the 18-Acre Site is shown on **Figure 1** and **Figure 2** and the sampling locations are shown on **Figure 3**. The analytical results of the soil samples are summarized in **Table 1** through **Table 4**.

2.1 Pre-Excavation

AEC contacted the Utility Notification Center in order to locate and trace any potential public underground utilities prior to completing any subsurface investigation activities.

2.2 Soil Investigations

2.2.1 Test Pit Excavation and Soil Sampling

The Phase II ESA investigation was conducted on April 9, 2025. The 18-Acre Site was divided into five sections, identified in this report as Decision Units (DUs), specifically DU1 through DU5. DU1 covered the northeastern portion and included test pits TP1 through TP4. DU2 covered the northwestern area and included test pits TP5 through TP8. DU3 covered the southwestern area and included test pits TP9 through TP12. DU4 covered the east-central area and included test pits TP13 through TP16. DU5 covered the southeastern area and included test pits TP17 through TP20.

Based on a review of historical aerial photographs, the 18-Acre Site had been in orchard production until the 2000s. The orchard production started somewhere between at least the 1930s and the 1980s, as follows: on the DU1, the southeast portion of DU2, and DU3 sometime before 1939; on the northwestern portion of DU2 in the 1960s; and on DU4 and DU5 areas in the 1980s.

AEC supervised the excavation of 20 test pits on the 18-Acre Site. The test pit locations are illustrated on **Figure 3** and the photographic documentation is included in **Appendix 1**. The test pits were excavated using a small excavator owned and operated by Three Dimensional Contracting, LLC of Merlin, Oregon. Soil samples and lithologic characterization were logged by Mr. Toby Shallcross (Project Geologist) and checked by Mr. Jonathan Williams (Oregon Registered Geologist) of AEC.

The lithology identified in the 20 test pits consisted of medium to dark brown to tan clay to approximately 2.5 feet bgs at most locations, underlain by a tan-yellowish silty sand indicative of weathered sandstone at most locations. No groundwater was encountered in the test pits.



The sampling objective at each test pit was to collect five depth discrete soil subsamples representing the uppermost 0.0 to 3.0 feet of native soil. No non-native fill was observed in any of the test pits. Therefore, the test pits were excavated to a depth of approximately 3.0 feet below ground surface (bgs).

The rationale for collecting five soil subsamples at each test pit location was that depth discrete analytical results should help characterize the vertical extent and attenuation with depth of potential impacts by pesticide constituents. The concept of depth discrete samples is also documented in DEQ's *Guidance for Evaluating Residual Pesticides on Lands Formerly Used for Agricultural Production* of 2006 that was updated in June 2019 (DEQ, June 2019).

After the 20 test pits had been excavated, AEC personnel collected five depth discrete soil samples over the desired depth intervals from each test pit using clean stainless-steel trowels and clean plastic bags. Before and between the excavation of each test pit, the small excavator bucket was swept clean with a broom. The stainless-steel trowels were also cleansed prior to each use by scrubbing with a brush and an Alconox solution and rinsed with de-ionized water.

Soil samples representative of the native soil from five depth intervals were collected at each test pit by scraping an equal and representative volume of soil off of the test pit walls over the desired depth intervals to fill plastic labeled Ziploc bags. The soil in the plastic Ziploc bags was then thoroughly homogenized using hands with clean nitrile gloves to develop representative depth discrete soil subsamples. Larger sized material (i.e., gravel greater than approximately ¼ to ½ inch in diameter) was removed by hand. Accordingly, a total of 100 depth discrete soil subsamples were collected (i.e. five samples from each of the 20 test pits). After soil sample collection was completed, the test pits were backfilled and compacted using the small excavator as described above.

The five discrete soil subsamples were collected from the following depths at each of the 20 test pits: 0.0 to 0.5 feet bgs, 0.5 to 1.0 feet bgs, 1.0 to 1.5 feet bgs, 1.5 to 2.0 feet bgs, and 2.0 to 3.0 feet bgs. Once all the soil subsamples were collected, composite samples were developed by the analytical laboratory using Incremental Sampling Methodology (ISM) for each DU area using soil from the four test pits within each DU area. Equal volumes of soil from the four subsamples collected from the same depth interval from four test pits within each of the five DU areas were homogenized into five depth discrete composite soil samples, for a total of 25 composite soil samples. These composite samples were labeled as DU1-0.0-0.5 through DU5-0.0-0.5, DU1-0.5-1.0 through DU5-0.5-1.0, DU1-1.0-1.5 through DU5-1.0-1.5, DU1-1.5-2.0 through DU5-1.5-2.0, and DU1-2.0-3.0 through DU5-2.0-3.0.

2.2.2 Soil Laboratory Analyses

The composite soil samples were placed in three iced coolers and submitted to Apex Laboratories, LLC (Apex) of Tigard, Oregon, under standard chain-of-custody protocol. The temperatures recorded in each cooler by the laboratory upon receipt were 4.9 °C, 4.6 °C, and 0.6 °C, which are within the U.S. Environmental Protection Agency's (USEPA's) recommended limit (which is specifically less than or equal to 6°C and above the freezing point).



Note that all composite soil samples were submitted to the laboratory but only samples from 0.0 to 1.5 feet bgs were analyzed. The samples from 1.5 to 3.0 feet bgs were archived by the laboratory for potential analyses once the preliminary data was received. Given the reported results of the 0.0 to 1.5 feet bgs soil samples, no additional analyses have been conducted to date on the deeper samples.

The analyses conducted on the composite soil samples included the following:

- Total metals by USEPA Method 6020B with Inductively Coupled Plasma Mass Spectrometry (ICP-MS) (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, mercury, molybdenum, selenium, silver, thallium, vanadium, and zinc).
- Organochlorine pesticides by USEPA Method 8081B;
- Organophosphorus pesticides by USEPA Method 8270E; and
- Chlorinated herbicides by USEPA Method 8321B (note that Apex subcontracted this analysis to Eurofins Denver of Arvada, Colorado).

This list of constituents is consistent with the constituents identified in DEQ's *Guidance for Evaluating Residual Pesticides on Lands Formerly Used for Agricultural Production* of 2006 that was updated in June 2019 (DEQ, June 2019).

Copies of the final analytical laboratory reports for the 18-Acre Site analytical soil results are included in **Appendix 2**. The analytical results for soil samples are summarized in **Table 1** through **Table 4**. The metals results are summarized in **Table 1**, the organochlorine pesticides in **Table 2**, the organophosphorus pesticides in **Table 3**, and the chlorinated herbicides in **Table 4**. In addition to presenting the analytical results, **Table 1** through **Table 4** also identify relevant generic risk-based concentrations (RBCs) for soil developed by DEQ. The generic RBCs identified in these tables are consistent with the anticipated future land use and zoning and assume residential receptors and construction and excavation workers will be present on the 18-Acre Site. The generic RBCs are described in DEQ's updated *Risk-Based Decision Making for the Remediation of Contaminated Sites* guidance dated October, 2, 2017 (DEQ, 2017).



3 DATA EVALUATION

The soil samples analytical results are included in **Appendix 2** and summarized in **Table 1** through **Table 4**. The analytical results reported several constituents at concentrations that exceed the laboratory method reporting limits (MRLs) in several soil samples. These constituents were further compared to relevant generic RBCs, including the following receptors and exposure pathways: the residential receptors, construction workers, and excavation workers *ingestion, dermal contact, and inhalation exposure pathway*; the residential receptors *volatilization to outdoor air exposure pathway*; the residential receptors *vapor intrusion into buildings exposure pathway*; and the residential receptors *leaching to groundwater exposure pathway*.

The reported concentrations of total metals were also compared to the naturally occurring background concentrations developed for the Cascade Mountains region, which includes the eastern Medford area and the 18-Acre Site. The background concentrations are derived from DEQ's Technical Report entitled Development of Oregon Background Metals Concentrations in Soil (DEQ, 2013). The background concentrations are a type of average defined as the 95 percent upper predictive limits.

The reported concentrations of constituents were also compared to the Clean Fill Values listed in the DEQ's Clean Fill Determinations Internal Management Directive dated February 21, 2019 (DEQ, February 2019). Note that the Clean Fill Values for metals equal the naturally occurring background concentrations.

The reported data are summarized in the following paragraphs.

3.1 Total Metals

The analytical results of 15 composite soil samples collected from depths of 0.0 to 1.5 feet bgs reported several of the 17 metals at concentrations above the laboratory MRLs. Only arsenic and lead were reported at concentrations above the relevant generic RBCs. The RBCs exceedances were as follows:

- Arsenic was reported in all 15 composite soil samples at concentrations ranging from 2.5 milligrams per kilogram (mg/kg) to 50.4 mg/kg, which exceeded the RBC for *ingestion, dermal contact, and inhalation exposure pathway* for residential receptors of 0.43 mg/kg. The concentrations of arsenic in composite soil samples DU1-0.5-1.0, DU2-0.0-0.5, DU3-0.0-0.5, DU3-0.5-1.0, and DU5-0.0-0.5, ranging from 19.3 to 50.4 mg/kg, also exceeded the naturally occurring background concentration in the Cascade Mountains region (which includes the Medford area and the 18-Acre Site) of 19 mg/kg.

While arsenic concentrations exceeded the RBC for the *ingestion, dermal contact, and inhalation exposure pathway* for residential receptors and the naturally occurring background concentration, potential risks to human health associated with this constituent and exposure pathway can be managed, mitigated, and/or eliminated from further concern. The generic residential RBC for total arsenic under the *soil ingestion,*



dermal contact, and inhalation exposure pathway assumes residential receptors are likely to come into contact with contaminated soils found in the upper 3 feet of soil. Prior to property development, AEC recommends institutional and/or engineering controls be implemented throughout the 18-Acre Site. Institutional and/or engineering control options to protect residential receptors include but are not limited to the following: removal of shallow soil (from at least 0.0 to 1.0 feet bgs); paving; covering the property with a 3-foot layer of clean compacted fill material; additional investigations to delineate arsenic concentrations in shallow soil; developing an asphalt cap maintenance plan; developing a Contaminated Media Management Plan (CMMP) with or without DEQ approval; and/or applying a deed notice (e.g. to ensure the asphalt cap is maintained).

- Arsenic was reported in composite soil samples DU1-0.5-1.0, DU2-0.0-0.5, DU3-0.0-0.5, DU3-0.5-1.0, and DU5-0.0-0.5 at concentrations between 19.3 and 50.4 mg/kg, which also exceeded the RBC for the *ingestion, dermal contact, and inhalation exposure pathway* for construction workers of 15 mg/kg.

While arsenic concentrations exceeded the generic RBC for the *ingestion, dermal contact, and inhalation exposure pathway* for construction workers, potential risks to human health associated with this constituent and exposure pathway can be managed, mitigated, and/or eliminated from further concern. The generic construction workers RBC for total arsenic under the *soil ingestion, dermal contact, and inhalation exposure pathway* assumes construction workers could be exposed over 1 year to arsenic during construction activities involving the disturbance of impacted-soils. However, it is unlikely construction workers would be working at the 18-Acre Site continuously for 1 year. Furthermore, this risk could be easily mitigated with proper communication to future construction workers requiring they wear appropriate personal protective equipment (PPE) and follow proper decontamination procedures subsequent to working in order to avoid exposure and health risks. The procedures documenting proper communication, appropriate PPE, and proper decontamination could be documented in a CMMP prepared with or without DEQ approval.

- Lead was reported in all analyzed composite soil samples at concentrations ranging from 6.78 to 201 mg/kg. The reported concentrations in composite soil samples DU1-0.0-0.5, DU1-0.5-1.0, DU2-0.0-0.5, DU3-0.0-0.5, DU3-0.5-1.0, DU3-1.0-1.5, and DU5-0.0-0.5 (ranging from 51.6 to 184 mg/kg) exceeded the RBC for the *leaching to groundwater exposure pathway* for residential receptors of 30 mg/kg. The concentration of lead in these composite soil samples also exceeded the naturally occurring background concentration in the Cascade Mountains region (which includes the Medford area and the 18-Acre Site) of 34 mg/kg.

While lead concentrations exceeded the generic RBC for the *leaching to groundwater exposure pathway* for residential receptors, potential risks to human health associated with this constituent and exposure pathway can be managed, mitigated, and/or eliminated from further concern. The generic residential RBC for total lead under the *leaching to groundwater exposure pathway* conservatively assumes that a water supply well is being used at the 18-Acre Site or proximal to the 18-Acre Site, and that lead could be leached from the shallow soil, impact groundwater, and that residential receptors could subsequently be exposed to lead in drinking water. The 18-Acre Site is currently



undeveloped vacant land with no current water use. When developed, the 18-Acre Site will be serviced with municipal water by Medford Water. The neighboring properties are either undeveloped land with no water use or have commercial/industrial use and utilize municipal water and will likely continue to utilize municipal water in the future. A review of the WRD well records indicates the 18-Acre Site has no water supply wells. Based on the regional topography, the groundwater flow direction in the area is to the north-northwest, towards Swanson Creek. Given the current groundwater use status at the 18-Acre Site (i.e. the absence of wells, no current water use, and the future planned municipal water use), it is highly unlikely potentially leached lead from the shallow soil into groundwater at the 18-Acre Site will pose an unacceptable risk to residential receptors at the 18-Acre Site. To completely eliminate the potential risk that leaching of these constituents to groundwater might pose to residential receptors at the 18-Acre Site, a groundwater investigation could be conducted and/or a deed notice could be developed and applied that prohibits the installation of wells to supply water to residential receptors at the 18-Acre Site. It should also be noted the concentrations of lead attenuate to concentrations below the generic RBC for the *leaching to groundwater exposure pathway* for residential receptors at a maximum depth of 1.5 feet bgs. These data indicate that if the upper 1.5 feet of soil are removed during development to meet geotechnical requirements, this potential risk is eliminated.

3.2 Organochlorine Pesticides

The analytical results of the 15 composite soil samples collected from depths of 0.0 to 1.5 feet bgs reported several organochlorine pesticides at concentrations above the laboratory MRLs. These organochlorine pesticide included 4,4'-dichlorodiphenyldichloroethene (4,4'-DDE), 4,4'-dichlorodiphenyltrichloroethane (4,4'-DDT), dieldrin, and endosulfan sulfate. Only the reported concentrations of dieldrin exceeded the generic applicable RBCs.

- Dieldrin was reported in composite soil samples DU2-0.0-0.5, DU3-0.0-0.5, and DU3-0.5-1.0 at concentrations between 0.0342 and 0.0504 mg/kg, which exceeded the RBC for *ingestion, dermal contact, and inhalation exposure pathway* for residential receptors of 0.034 mg/kg.

While dieldrin concentrations exceeded the RBC for the *ingestion, dermal contact, and inhalation exposure pathway* for residential receptors, potential risks to human health associated with this constituent and exposure pathway can be managed, mitigated, and/or eliminated from further concern, as mentioned in Section 3.1 regarding arsenic. The generic residential RBC for dieldrin under the *soil ingestion, dermal contact, and inhalation exposure pathway* assumes residential receptors are likely to come into contact with contaminated soils found in the upper 3 feet of soil. Prior to property development, AEC recommends institutional and/or engineering controls be implemented throughout the 18-Acre Site. Institutional and/or engineering control options to protect residential receptors include but are not limited to the following: removal of shallow soil (from at least 0.0 to 1.0 feet bgs); paving; covering the property with a 3-foot layer of clean compacted fill material; additional investigations to delineate dieldrin concentrations in shallow soil; developing an asphalt cap maintenance plan;



developing a CMMP with or without DEQ approval; and/or applying a deed notice (e.g. to ensure the asphalt cap is maintained).

→ Dieldrin was reported in composite soil samples DU2-0.0-0.5, DU3-0.0-0.5, DU3-0.5-1.0, and DU3-1.0-1.5 at concentrations between 0.0222 and 0.0504 mg/kg, which exceeded the RBC for *leaching to groundwater exposure pathway* for residential receptors of 0.010 mg/kg.

While dieldrin concentrations exceeded the generic RBC for the *leaching to groundwater exposure pathway* for residential receptors, potential risks to human health associated with this constituent and exposure pathway can be managed, mitigated, and/or eliminated from further concern. As mentioned in Section 3.1 regarding lead, given the current groundwater use status at the 18-Acre Site (the absence of wells, no current water use, and the future planned municipal water use), it is highly unlikely potentially leached dieldrin from the shallow soil into groundwater at the 18-Acre Site will pose an unacceptable risk to residential receptors at the 18-Acre Site. To completely eliminate the potential risk that leaching of this constituent to groundwater might pose to residential receptors at the 18-Acre Site, groundwater investigations could be conducted and/or a deed notice could be developed and applied that prohibits the installation of wells to supply water to residential receptors at the 18-Acre Site. It should also be noted the concentrations of dieldrin attenuate to concentrations below the generic RBC for the *leaching to groundwater exposure pathway* for residential receptors at a maximum depth of 1.5 feet bgs. These data indicate that if the upper 1.5 feet of soil are removed during development to meet geotechnical requirements, this potential risk is eliminated.

The organochlorine pesticides MRLs were below the generic applicable RBCs, with the exception of the MRL for dichlorvos. The organochlorine pesticides results are summarized in **Table 2**.

3.3 Organophosphorus Pesticides

The analytical results of the composite soil samples reported no organophosphorus pesticides at concentrations above the laboratory MRLs in any analyzed composite soil sample. There are no established RBCs for organophosphorus pesticides. The organophosphorus pesticides MRLs were below the Clean Fill Values, with the exception of the MRL for dichlorvos. The organophosphorus pesticides results are summarized in **Table 3**.

3.4 Chlorinated Herbicides

The analytical of the composite soil samples reported no chlorinated herbicides at concentrations above the laboratory MRLs in the composite soil samples analyzed. The organochlorine pesticides MRLs were below the generic applicable RBCs. The chlorinated herbicides results are summarized in **Table 4**.

3.5 Clean Fill Determination

Based on the analytical results of the discrete and composite soil samples, which are presented in **Table 1** through **Table 4**, the Clean Fill Values were exceeded by several constituents in the composite samples collected throughout the 18-Acre Site at a depth ranging from 0.0 to 1.5 feet



bgs within the five DUs. Therefore, the soil at the 18-Acre Site within at least the upper 1.5 feet does not qualify as Clean Fill. The constituents reported at concentrations above the Clean Fill Values include the following:

- Antimony - from 0.0 to 0.5 feet bgs in select DUs;
- Arsenic - from 0.0 to 1.0 feet bgs in select DUs;
- Lead - from 0.0 to 1.5 feet bgs in select DUs;
- 4,4'-DDE - from 0.0 to 1.5 feet bgs in select DUs;
- 4,4'-DDT - from 0.0 to 1.5 feet bgs in select DUs; and
- Dieldrin - from 0.0 to 1.5 feet bgs in select DUs.

If soil from 1.0 to 1.5 feet bgs is excavated throughout the 18-Acre Site, it can be reused on the 18-Acre Site or the Skyview Estates Property as unrestricted fill. However, if this soil is exported off of the Skyview Estates Property, it should be managed appropriately to ensure it does not adversely impact ecological receptors. For example, this soil could be properly disposed of at a quarry under a DEQ-approved SWLA.

It should be noted the soil at a depth of 0.0 to 1.0 feet bgs should be addressed as described in **Sections 3.1** and **3.2** to address potential arsenic and dieldrin risks for residential receptors under the *soil ingestion, dermal contact, and inhalation exposure pathway*.

If soil at a depth below 1.5 feet bgs is excavated at the 18-Acre Site, it should be assumed it exceeds the Clean Fill Values for the organochlorine pesticides mentioned above or it should be sampled and analyzed for organochlorine pesticides.



4 CONCLUSIONS AND RECOMMENDATIONS

The Phase II ESA investigation conducted at the 18-Acre Site included the following tasks: partition of the 18-Acre Site into five DUs (DU1 through DU5); the excavation of four test pits in each DU area (identified as TP1 through TP20); the collection of subsamples from each test pit from five depth discrete intervals (0.0 to 0.5 feet bgs, 0.5 to 1.0 feet bgs, 1.0 to 1.5 feet bgs, 1.5 to 2.0 feet bgs, 2.0 to 3.0 feet bgs); the preparation of five depth discrete composite soil samples for each DU area (identified as DU1-0.0-0.5 through DU5-0.0-0.5, DU1-0.5-1.0 through DU5-0.5-1.0, DU1-1.0-1.5 through DU5-1.0-1.5, DU1-1.5-2.0 through DU5-1.5-2.0, and DU1-2.0-3.0 through DU5-2.0-3.0); and the laboratory analyses of the composite soil samples collected from a depth of 0.0 to 1.5 feet bgs for the following constituents:

- Seventeen metals by USEPA Method 6020B (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, mercury, molybdenum, selenium, silver, thallium, vanadium, and zinc);
- Organochlorine pesticides by USEPA Method 8081B;
- Organophosphorus pesticides by USEPA METHOD 8270E; and
- Chlorinated herbicides by USEPA Method 8321B.

The Phase II ESA analytical data reported several constituents in soil samples at concentrations above laboratory MRLs. Overall, the analytical results reported in general a higher concentration of pesticides constituents in the upper 0.5-foot of soil than in the underlying layer from 0.5 to 1.5 feet bgs. These data demonstrate concentrations of pesticides constituents attenuate fairly rapidly with depth.

The reported concentrations of several constituents exceeded the relevant generic RBCs and/or Clean Fill Values, as follows.

- Arsenic was reported in all analyzed composite soil samples at concentrations ranging from 2.50 to 50.4 mg/kg, which exceeded the generic RBC for the *ingestion, dermal contact, and inhalation exposure pathway* for residential receptors of 0.43 mg/kg. The concentration of arsenic in five composite soil samples (DU1-0.5-1.0, DU2-0.0-0.5, DU3-0.0-0.5, DU3-0.5-1.0, and DU5-0.0-0.5) also exceeded the naturally occurring background concentration of 19 mg/kg in the Cascade Mountains region, which includes the eastern part of the Medford area and the 18-Acre Site. Arsenic was also reported in these five composite soil samples at concentrations above the generic RBC for the *ingestion, dermal contact, and inhalation exposure pathway* for construction workers of 15 mg/kg.
- Lead was reported in all analyzed composite soil samples at concentrations ranging from 6.78 to 201 mg/kg. Seven of the reported lead concentrations (in samples DU1-0.0-0.5, DU1-0.5-1.0, DU2-0.0-0.5, DU3-0.0-0.5, DU3-0.5-1.0, DU3-1.0-1.5, and DU5-0.0-0.5) exceeded the generic RBC for the *leaching to groundwater exposure pathway* for residential receptors of 30 mg/kg. The concentration of lead in these seven samples also exceeded the naturally occurring background concentration of 34 mg/kg.



- Dieldrin was reported in five of the composite soil samples at concentrations ranging from 0.00285 to 0.0640 mg/kg. Some of these reported dieldrin concentrations exceeded the generic RBC for the *ingestion, dermal contact, and inhalation exposure pathway* for residential receptors of 0.034 mg/kg (in samples DU2-0.0-0.5, DU3-0.0-0.5, and DU3-0.5-1.0) and/or the generic RBC for the *leaching to groundwater exposure pathway* for residential receptors of 0.010 mg/kg (in samples DU2-0.0-0.5, DU3-0.0-0.5, DU3-0.5-1.0, and DU3-1.0-1.5).
- In addition, the reported concentrations of antimony, arsenic, lead, 4,4'-DDE, 4,4'-DDT, and dieldrin exceeded DEQ's Clean Fill Values to a depth of 1.5 feet bgs within select DUs.

While generic RBCs for residential receptors and construction workers were exceeded for the aforementioned constituents and exposure pathways, potential risks to human health associated with these constituents and exposure pathways can be managed, mitigated, and/or eliminated from further concern, as follows:

1. The generic residential RBC under the *soil ingestion, dermal contact, and inhalation exposure pathway* assumes residential receptors are likely to come into contact with contaminated soils found in the upper 3 feet of soil. The concentrations of arsenic reported in the composite soil samples collected from depths of 0.0 to 1.5 feet bgs in select DUs exceeded this RBC. However, arsenic exceeded the naturally occurring background concentration only in the composite soil samples collected from 0.0 to 1.0 feet bgs. The concentrations of dieldrin reported in the composite soil samples collected from depths of 0.0 to 1.0 feet bgs also exceeded this generic RBC in select DUs. Therefore, prior to property development, if the upper 1.0 feet of soil is not excavated in select DUs and properly managed during development, AEC recommends institutional and/or engineering controls be implemented. Institutional and/or engineering control options to protect residential receptors include but are not limited to the following: removal of shallow soil (at least from 0.0 to 1.0 feet bgs); paving; covering the property with a 3-foot layer of clean compacted fill material; additional investigations to delineate arsenic concentrations in shallow soil; developing an asphalt cap maintenance plan; developing a CMMP with or without DEQ approval; and/or applying a deed notice (e.g. to ensure the asphalt cap is maintained).
2. The generic construction workers RBC for total arsenic under the *soil ingestion, dermal contact, and inhalation exposure pathway* assumes construction workers could be exposed over 1 year to arsenic during construction activities involving the disturbance of impacted-soils. However, it is unlikely construction workers would be working at the 18-Acre Site continuously for 1 year. Furthermore, this risk could be easily mitigated with proper communication to future construction workers requiring they wear appropriate PPE and follow proper decontamination procedures subsequent to working in order to avoid exposure and health risks. The procedures documenting proper communication, appropriate PPE, and proper decontamination could be documented in a CMMP with or without DEQ approval.
3. The generic residential RBC for lead and dieldrin under the *leaching to groundwater exposure pathway* conservatively assumes that a water supply well is being used at the



18-Acre Site or proximal to it, and that these constituents could be leached from the shallow soil, impact groundwater, and that residential receptors could subsequently be exposed to these constituents in drinking water. The 18-Acre Site is currently undeveloped vacant land with no current water use. When developed, the 18-Acre Site will be serviced with municipal water by Medford Water. The neighboring properties are either undeveloped land with no water use or have commercial/industrial use and utilize municipal water and will likely continue to utilize municipal water in the future. A review of the WRD well records indicates the 18-Acre Site has no water supply wells. Based on the regional topography, the assumed groundwater flow direction in the area is to the north-northwest towards Swanson Creek. Given the current groundwater use status at the 18-Acre Site (i.e. the absence of wells, no current water use, and the future planned municipal water use), it is highly unlikely potentially leached lead and dieldrin from the shallow soil into groundwater at the 18-Acre Site will pose an unacceptable risk to residential receptors at the 18-Acre Site. To completely eliminate the potential risk that leaching of these constituents to groundwater might pose to residential receptors at the 18-Acre Site, a groundwater investigation could be conducted and/or a deed notice could be developed and applied that prohibits the installation of wells to supply water to residential receptors at the 18-Acre Site. It should also be noted the concentrations of lead and dieldrin attenuate to concentrations below the generic RBC for the *leaching to groundwater exposure pathway* for residential receptors at a maximum depth of 1.5 feet bgs. These data indicate that if shallower soil were removed during development to meet geotechnical requirements, this potential risk is eliminated.

4. The Clean Fill Values were exceeded by several constituents in the composite samples collected throughout the 18-Acre Site at a depth ranging from 0.0 to 1.5 feet bgs. If soil from 1.0 to 1.5 feet bgs is excavated throughout the 18-Acre Site, it can be reused on the 18-Acre Site or the Skyview Estates Property as unrestricted fill. However, if this soil is exported off of the Skyview Estates Property, it should be managed appropriately to ensure it does not adversely impact ecological receptors. For example, this soil could be properly disposed of at a quarry under a DEQ-approved Solid Waste Letter of Authorization (SWLA). It should be noted the soil at a depth of 0.0 to 1.0 feet bgs should be addressed as described under bullet #1 to address potential arsenic and dieldrin risks for residential receptors under the *soil ingestion, dermal contact, and inhalation exposure pathway*. If soil at a depth below 1.5 feet bgs is excavated at the 18-Acre Site, it should be assumed it exceeds the Clean Fill Values for the organochlorine pesticides mentioned above or it should be sampled and analyzed for organochlorine pesticides.

Based on the available data, AEC concluded that the historical orchard practices at the 18-Acre Site involving pesticides have adversely impacted the surficial soil and are considered a REC. The available data reflect the adverse impacts are in the soil within the investigated interval of 0.0 to 1.5 feet bgs.

Based on these findings and accounting for the inherent uncertainties associated with any subsurface investigation, AEC recommends the following:

- During development activities, appropriately manage potential risks associated with residual pesticides concentrations in shallow soil that are above generic RBCs and/or



Clean Fill values in the upper 1.5 feet of soil of the 18-Acre Site. If the soil is to be placed elsewhere on the Skyview Estates Property, it should be managed under a DEQ-approved Soil Management Plan to be protective of human and ecological receptors (e.g. placed under a 2 to 3 foot cap of clean soil). If this soil is to be excavated during development and moved off of the Skyview Estates Property, the soil should be disposed of consistent with DEQ regulations, examples being disposal under a DEQ-approved SWLA or disposal at an approved landfill (e.g. Dry Creek Landfill).

- Soil removal depths to be protective of human health for complete exposure pathways at the 18-Acre Site are as follows: 12 inches in DU1, 6 inches in DU2, 12 inches in DU3, no removal needed in DU4, and 6 inches in DU5.

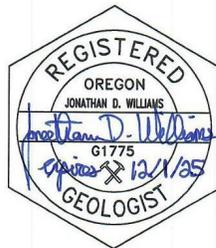
Please feel free to contact Jonathan Williams at 541-944-4685 or jwilliams@alpine-env-llc.com if you have any questions about this Phase II ESA report.

Sincerely,

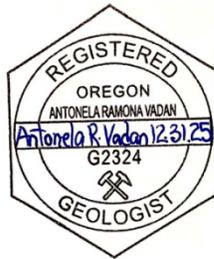
Alpine Environmental Consultants, LLC



Jonathan D. Williams, R.G.
Senior Hydrogeologist



Antonela Vadan, R.G.
Project Geologist



5 REFERENCES

Oregon Department of Environmental Quality (DEQ). March 2013. *Development of Oregon Background Metals Concentrations in Soil*, Technical report. Land Quality Division, Cleanup Program. (DEQ, 2013).

Oregon DEQ. October 2017. *Risk-Based Decision Making for the Remediation of Contaminated Sites*. Updated on October 17, 2017 (DEQ, 2017).

Oregon DEQ. June 2019. *Guidance for Evaluating Residual Pesticides on Lands Formerly Used for Agricultural Production*. Land Quality Division, Cleanup Program. Developed in January 2006 and Updated in June 2019 (DEQ, June 2019).

Oregon DEQ. February 21, 2019. Clean Fill Determinations. Materials Management Division. (DEQ, February 2019).



6 LIMITATIONS

The purpose of an environmental assessment is to reasonably evaluate the potential for or actual impact of past practices on a given Site area. In performing an environmental assessment, it is understood that a balance must be struck between a reasonable inquiry into the environmental issues and an exhaustive analysis of each conceivable issue of potential concern. This environmental assessment contains professional opinions as to the environmental issues of concern and/or additional actions, which may be addressed to the property. In rendering its professional opinion, we warrant that services provided hereunder were performed, within the limits described, consistent with current generally accepted environmental consulting principles and practices. No other warranty, express or implied, is made. The following paragraphs discuss the assumptions and parameters under which such an opinion is rendered.

No investigation is thorough enough to exclude the presence of hazardous materials at a given Site. If hazardous conditions have not been identified during the assessment, such a finding should not therefore be construed as a guarantee of the absence of such materials on the Site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

Any opinions or recommendations presented apply to Site conditions existing when services were performed. We are unable to report on or accurately predict events that may change the Site conditions after the described services are performed, whether occurring naturally or caused by external forces. We assume no responsibility for conditions we were not authorized to investigate, or conditions not generally recognized as environmentally unacceptable when services were performed.

Environmental conditions may exist at the Site that cannot be identified by visual observation. Where the scope of services was limited to observations made during Site reconnaissance, interviews, review of readily available reports and literature or any combination, any conclusions or recommendations or both are necessarily based in part on information supplied by others, the accuracy or sufficiency of which we may not have independently reviewed.

Where subsurface work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at unsampled locations.

Except where there is express concern of our client, or where specific environmental contaminants have been previously reported by others, naturally occurring toxic substances, potential environmental contaminants inside buildings, or contaminant concentrations that are not of current environmental concern may not be reflected in this document.

We are not responsible for any potential impact of changes in applicable environmental standards, practices, or regulations following performance of services, on the conclusions or recommendations, or both, of the study.



Services hereunder were performed consistent with our agreement and understanding with, and solely for the use of, our client. Opinions and recommendations are intended for the client, purpose, Site, location, time frame, and project parameters indicated. We are not responsible for subsequent separation, detachment, or partial use of this document. Any reliance on this report by a third party shall be at such party's sole risk.



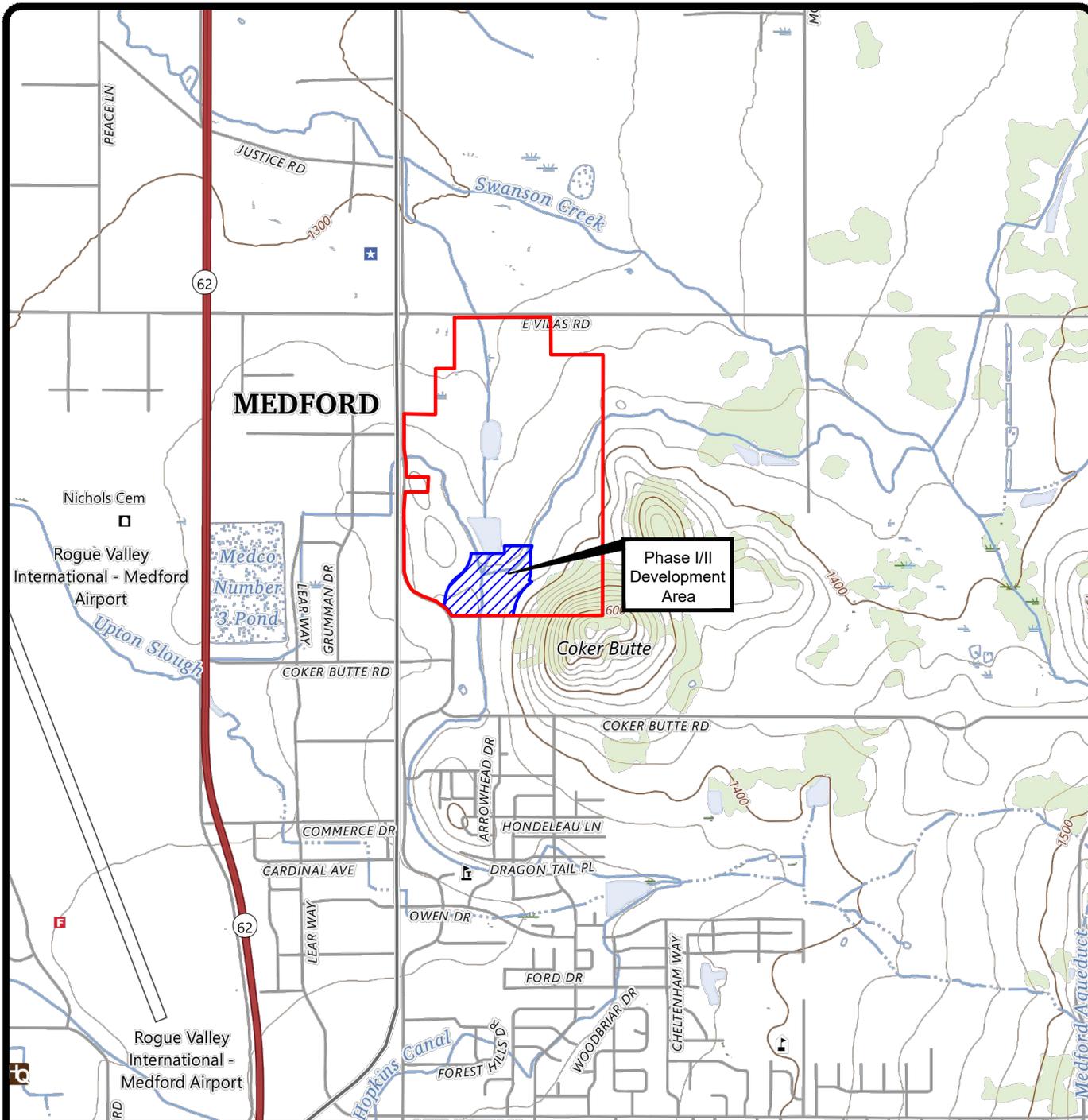
7 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Mr. Jonathan Williams received a Bachelor of Science degree in Geology, with honors, from Duke University in 1987. He has over 30 years experience working with geologic and environmental reports, including Phase I ESAs. Mr. Williams has been a Registered Geologist in the State of Oregon since 1996, and has 40-hour HAZWOPER training.

Ms. Antonela Vadan holds a Bachelor of Arts and Science in Earth and Environmental Sciences from the University of Illinois at Chicago. She has over 23 years of experience in both the private and public sector. Ms. Vadan has conducted multiple Phase I ESAs. Additional project activities have included risk assessments, remedial investigations/feasibility studies, soil and groundwater investigations, and indoor air quality investigations. Ms. Vadan is a Registered Geologist in the States of Oregon and Washington and has 40-hour HAZWOPER training.



FIGURES



SOURCE: U.S.G.S. 7.5 MINUTE TOPOGRAPHIC QUADRANGLE EAGLE POINT, OR AND MEDFORD EAST, OR (2024)



LEGEND

 Approximate Boundary of the Skyview Estates Property

SCALE
0 2,000 4,000 FEET

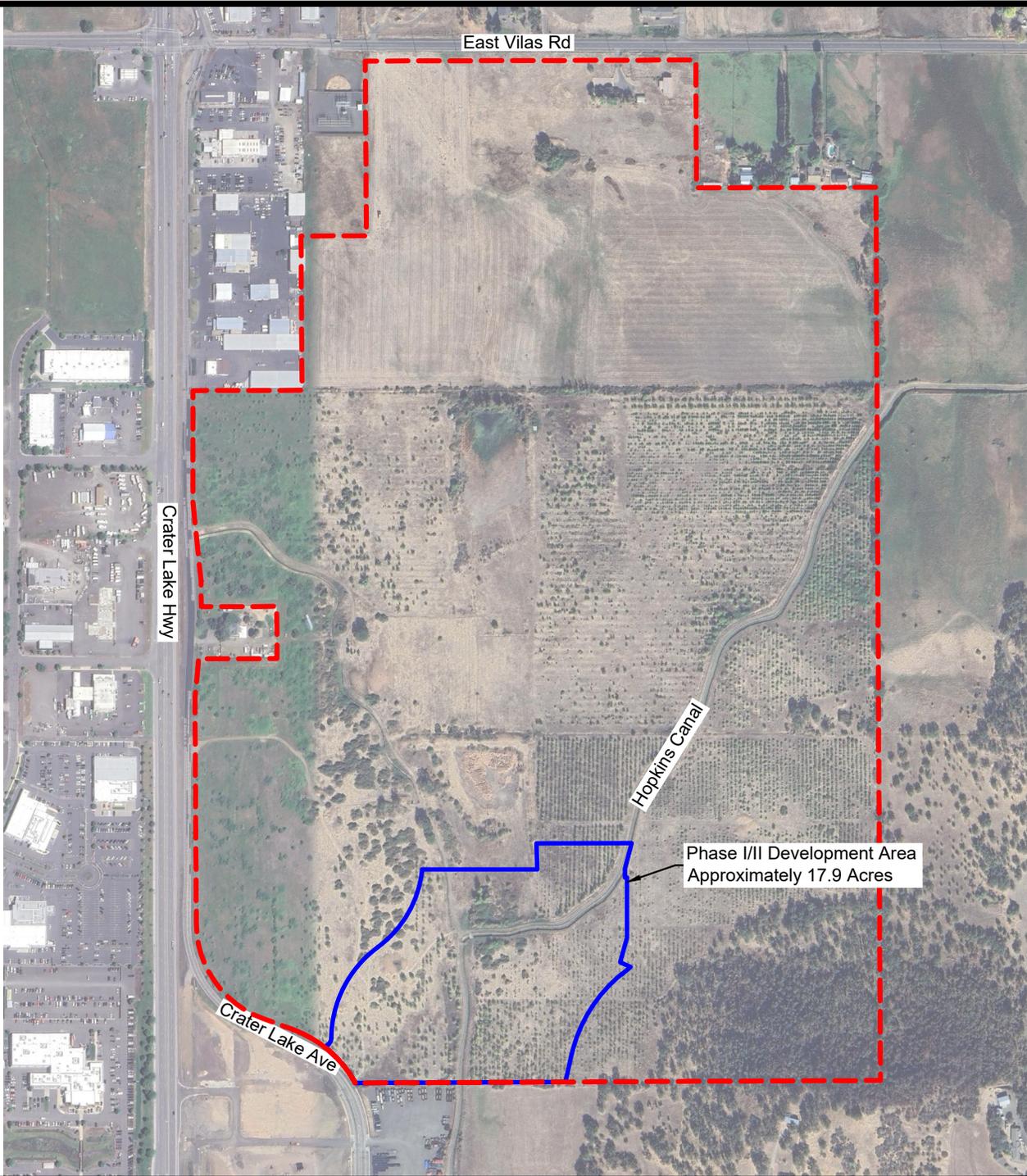


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DATE: 5/21/25

DRAWN BY: SM

Figure 1
General Site Location Map
Skyview Estates Property
Medford, Oregon



SOURCE: GOOGLE EARTH (2024)

LEGEND

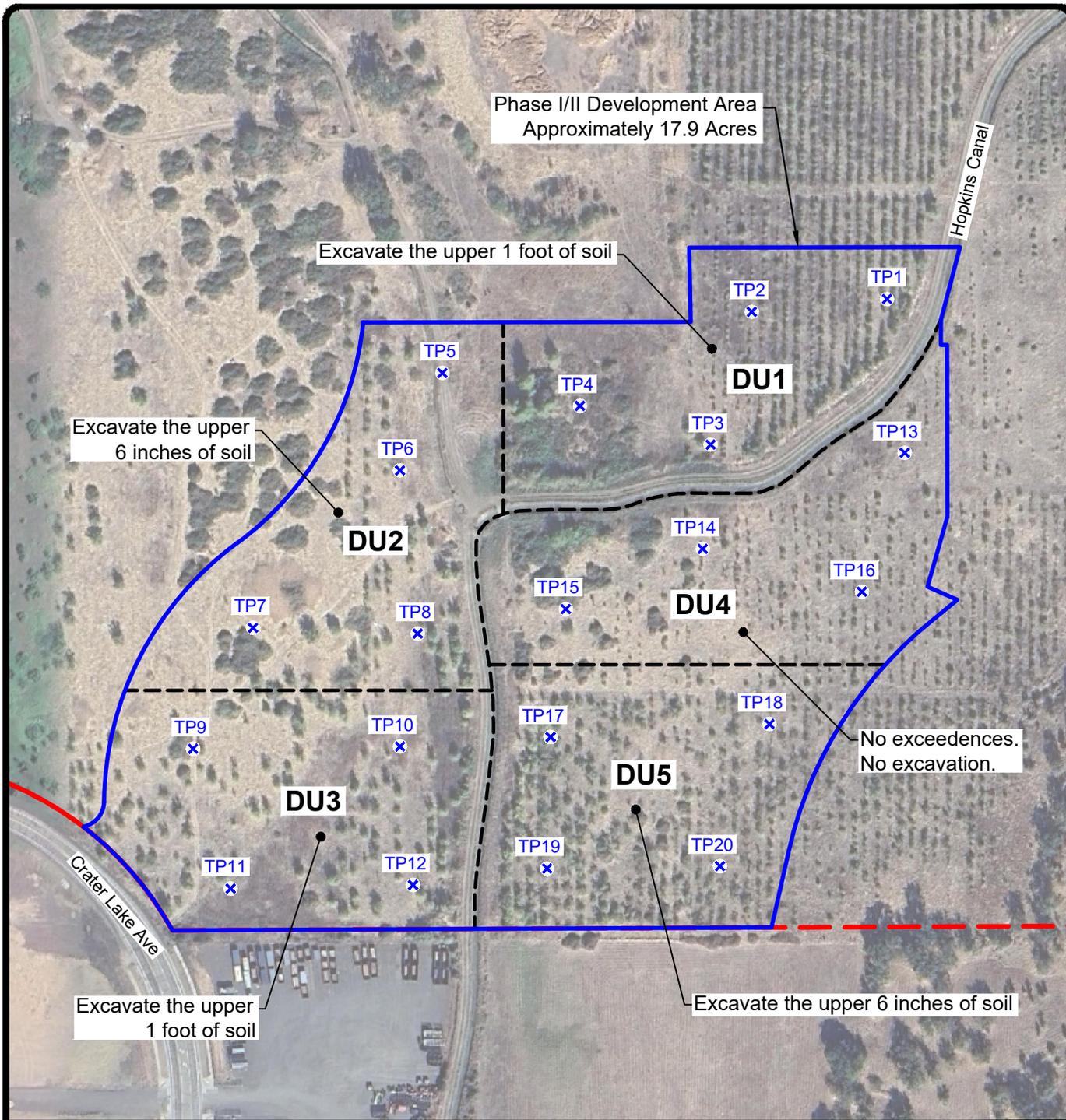
- - - Approximate Boundary of the Skyview Estates Property
- Phase I/II Development Area Boundary



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Figure 2
Phase I/II Development Location Map
Skyview Estates Property
Medford, Oregon



SOURCE: GOOGLE EARTH (2024)

LEGEND

- TP1 x Test Pit Location
- Approximate Boundary of the Skyview Estates Property
- Phase I/II Development Area Boundary
- DU Decision Unit



DATE: 6/2/25 DRAWN BY: SRM

Figure 3
Phase II ESA Test Pit Location Map
Skyview Estates Property
Medford, Oregon

TABLES

Table 1. Soil Samples Analytical Results - Total Metals
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford,

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels for Cascade Mountains and background metals in Soil (e), (f)	Test Pit Samples									
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU-1-0.0-0.5	DU1-0.5-1.0	DU1-1.0-1.5	DU2-0.0-0.5	DU2-0.5-1.0	DU2-1.0-1.5				
	Composite soil samples of subsamples collected from test pits TP1 through TP4						Composite soil samples of subsamples collected from test pits TP5 through TP8									
	RES.	C. W.	E. W.	RES.	RES.		0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs	0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs				
Total Metals (mg/kg)																
USEPA 6020B (ICPMS)																
Antimony	NE	NE	NE	NE	NE	0.67	1.11U, PRO	1.05U, PRO	1.05U, PRO	1.17 PRO	1.04U, PRO	1.11U, PRO				
Arsenic	0.43	15	420	NV	*	19	16.7 PRO	50.4 PRO	4.51 PRO	21.3 PRO	9.87 PRO	3.91 PRO				
Barium	15,000	69,000	>Max	NV	*	630	140 PRO	135 PRO	151 PRO	82.2 PRO	68.5 PRO	73.8 PRO				
Beryllium	160	700	19,000	NV	*	2.1	0.684 PRO	0.608 PRO	0.790 PRO	0.430 PRO	0.479 PRO	0.488 PRO				
Cadmium	78	350	9,700	NV	*	0.54	0.221U, PRO	0.211U, PRO	0.211U, PRO	0.240 PRO	0.208U, PRO	0.223U, PRO				
Chromium (III)	120,000	530,000	>Max	NV	*	200	39.9 PRO	36.0 PRO	39.5 PRO	45.0 PRO	49.3 PRO	52.3 PRO				
Cobalt	NE	NE	NE	NE	NE	NA	16.8 PRO	17.6 PRO	18.7 PRO	19.0 PRO	19.2 PRO	21.0 PRO				
Copper	3,100	14,000	390,000	NV	*	73	29.6 PRO	30.0 PRO	25.7 PRO	68.5 PRO	45.6 PRO	40.2 PRO				
Lead	400	800	800	NV	30	34	51.6 PRO	184 PRO	16.2 PRO	118 PRO	22.0 PRO	6.78 PRO				
Mercury	23	110	2,900	NV	*	0.24	0.0884U, PRO	0.0842U, PRO	0.0844U, PRO	0.0892U, PRO	0.0833U, PRO	0.0891U, PRO				
Molybdenum	NE	NE	NE	NE	NE	NA	1.11U, PRO	1.05U, PRO	1.05U, PRO	1.11U, PRO	1.04U, PRO	1.11U, PRO				
Nickel	1,500	7,000	190,000	NV	*	110	24.7 PRO	24.2 PRO	26.7 PRO	27.7 PRO	29.0 PRO	29.2 PRO				
Selenium	NE	NE	NE	NE	NE	0.52	1.11U, PRO	1.05U, PRO	1.05U, PRO	1.11U, PRO	1.04U, PRO	1.11U, PRO				
Silver	390	1,800	49,000	NV	*	0.17	0.221U, PRO	0.211U, PRO	0.211U, PRO	0.223U, PRO	0.208U, PRO	0.223U, PRO				
Thalium	NE	NE	NE	NE	NE	2.8	0.221U, PRO	0.211U, PRO	0.211U, PRO	0.223U, PRO	0.208U, PRO	0.223U, PRO				
Vanadium	NE	NE	NE	NE	NE	280	73.1 PRO	66.0 PRO	73.2 PRO	74.1 PRO	78.5 PRO	88.1 PRO				
Zinc	NE	NE	NE	NE	NE	170	43.7 PRO	42.3 PRO	39.5 PRO	94.1 PRO	54.1 PRO	49.7 PRO				

See notes on next page.

Table 1. Soil Samples Analytical Results - Total Metals
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford,

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels for Cascade Mountains and background metals in Soil (e), (f)	Test Pit Samples									
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU3-0.0-0.5	DU3-0.5-1.0	DU3-1.0-1.5	DU4-0.0-0.5	DU4-0.5-1.0	DU4-1.0-1.5				
	RES.	C. W.	E. W.				Composite soil samples of subsamples collected from test pits TP9 through TP12			Composite soil samples of subsamples collected from test pits TP13 through TP16						
				RES.	RES.		0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs	0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs				
						04/09/25	04/09/25	04/09/25	04/09/25	04/09/25	04/09/25					
Total Metals (mg/kg)																
USEPA 6020B (ICPMS)																
Antimony	NE	NE	NE	NE	NE	0.67	1.02U, PRO	1.09U, PRO	1.01U, PRO	1.09U, PRO	1.05U, PRO	1.06U, PRO				
Arsenic	0.43	15	420	NV	*	19	35.6 PRO	26.9 PRO	14.9 PRO	3.81 PRO	2.5 PRO	3.05 PRO				
Barium	15,000	69,000	>Max	NV	*	630	92.5 PRO	106 PRO	128 PRO	140 PRO	140 PRO	161 PRO				
Beryllium	160	700	19,000	NV	*	2.1	0.432 PRO	0.524 PRO	0.517 PRO	0.688 PRO	0.695 PRO	0.830 PRO				
Cadmium	78	350	9,700	NV	*	0.54	0.205U, PRO	0.219U, PRO	0.203U, PRO	0.218U, PRO	0.210U, PRO	0.213U, PRO				
Chromium (III)	120,000	530,000	>Max	NV	*	200	39.7 PRO	55.5 PRO	43.5 PRO	31.6 PRO	29.9 PRO	33.1 PRO				
Cobalt	NE	NE	NE	NE	NE	NA	17.0 PRO	20.4 PRO	20.5 PRO	14.9 PRO	14.7 PRO	15.4 PRO				
Copper	3,100	14,000	390,000	NV	*	73	52.6 PRO	49.2 PRO	48.9 PRO	36.9 PRO	27.0 PRO	27.9 PRO				
Lead	400	800	800	NV	30	34	133 PRO	72.5 PRO	60.5 PRO	10.2 PRO	7.59 PRO	7.30 PRO				
Mercury	23	110	2,900	NV	*	0.24	0.0820U, PRO	0.0875U, PRO	0.0811U, PRO	0.0870U, PRO	0.0841U, PRO	0.0852U, PRO				
Molybdenum	NE	NE	NE	NE	NE	NA	1.02U, PRO	1.09U, PRO	1.01U, PRO	1.09U, PRO	1.05U, PRO	1.06U, PRO				
Nickel	1,500	7,000	190,000	NV	*	110	23.7 PRO	29.5 PRO	29.8 PRO	18.4 PRO	17.1 PRO	18.9 PRO				
Selenium	NE	NE	NE	NE	NE	0.52	1.02U, PRO	1.09U, PRO	1.01U, PRO	1.09U, PRO	1.05U, PRO	1.06U, PRO				
Silver	390	1,800	49,000	NV	*	0.17	0.205U, PRO	0.219U, PRO	0.203U, PRO	0.218U, PRO	0.210U, PRO	0.213U, PRO				
Thalium	NE	NE	NE	NE	NE	2.8	0.205U, PRO	0.219U, PRO	0.203U, PRO	0.218U, PRO	0.210U, PRO	0.213U, PRO				
Vanadium	NE	NE	NE	NE	NE	280	61.3 PRO	75.3 PRO	69.8 PRO	62.9 PRO	61.1 PRO	64.5 PRO				
Zinc	NE	NE	NE	NE	NE	170	65.2 PRO	56.9 PRO	54.3 PRO	56.4 PRO	41.0 PRO	43.4 PRO				

See notes on next page.

Table 1. Soil Samples Analytical Results - Total Metals
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford,

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels for Cascade Mountains and background metals in Soil (e), (f)	Test Pit Samples		
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU5-0.0-0.5	DU5-0.5-1.0	DU5-1.0-1.5
	RES.	C. W.	E. W.				RES.	RES.	Composite soil samples of subsamples collected from test pits TP17 through TP20
	RES.	C. W.	E. W.	RES.	RES.		0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs
RES.	C. W.	E. W.	RES.	RES.	04/09/25	04/09/25	04/09/25		
Total Metals (mg/kg)									
USEPA 6020B (ICPMS)									
Antimony	NE	NE	NE	NE	NE	0.67	1.41 PRO	1.05U, PRO	1.06U, PRO
Arsenic	0.43	15	420	NV	*	19	19.3 PRO	9.63 PRO	6.08 PRO
Barium	15,000	69,000	>Max	NV	*	630	97.7 PRO	101 PRO	96.8 PRO
Beryllium	160	700	19,000	NV	*	2.1	0.680 PRO	0.695 PRO	0.760 PRO
Cadmium	78	350	9,700	NV	*	0.54	0.216U, PRO	0.209U, PRO	0.213U, PRO
Chromium (III)	120,000	530,000	>Max	NV	*	200	33.7 PRO	36.2 PRO	40.6 PRO
Cobalt	NE	NE	NE	NE	NE	NA	13.8 PRO	14.4 PRO	15.1 PRO
Copper	3,100	14,000	390,000	NV	*	73	44.5 PRO	32.2 PRO	31.6 PRO
Lead	400	800	800	NV	30	34	201 PRO	28.1 PRO	18.3 PRO
Mercury	23	110	2,900	NV	*	0.24	0.0864U, PRO	0.0838U, PRO	0.0851U, PRO
Molybdenum	NE	NE	NE	NE	NE	NA	1.08U, PRO	1.05U, PRO	1.06U, PRO
Nickel	1,500	7,000	190,000	NV	*	110	16.0 PRO	17.0 PRO	18.3 PRO
Selenium	NE	NE	NE	NE	NE	0.52	1.08U, PRO	1.05U, PRO	1.06U, PRO
Silver	390	1,800	49,000	NV	*	0.17	0.216U, PRO	0.209U, PRO	0.213U, PRO
Thalium	NE	NE	NE	NE	NE	2.8	0.216U, PRO	0.209U, PRO	0.213U, PRO
Vanadium	NE	NE	NE	NE	NE	280	69.1 PRO	76.2 PRO	84.9 PRO
Zinc	NE	NE	NE	NE	NE	170	51.3 PRO	41.7 PRO	42.5 PRO

See notes on next page.

Table 1. Soil Samples Analytical Results - Total Metals
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford,

Notes:

Analytical data in bold font indicates that the value exceeds the laboratory method reporting limit.

Analytical data highlighted in yellow indicates the value exceeded a generic RBC.

Analytical data highlighted in blue indicates the value exceeded the clean fill screening levels.

Analytical data highlighted in both yellow and blue indicates the value exceeded one or more generic RBCs and the Clean Fill Value.

* - Leaching to groundwater RBCs are not provided for inorganic chemicals. If this pathway is of concern, then site-specific leaching tests must be performed.

Data Qualifiers:

PRO -Sample has undergone sample processing prior to extraction and analysis.

U - The analyte was analyzed for, but was not detected above the analytical laboratory method reporting limit.

Footnotes:

(a) Risk-Based Concentrations are referenced from the July 2023 update to the DEQ's Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites guidance document dated September 2003.

(b) This pathway is applicable anytime someone is likely to come into contact with contaminated soil. For the occupational scenario, exposure to contaminated soils should be considered for all contaminants found in the top three feet of soil.

(c) This pathway is applicable whenever vadose zone soils are contaminated with volatile compounds.

(d) This pathway is applicable whenever vadose zone contamination is found overlying an aquifer that is currently used or is reasonably likely to be used in the future for drinking water.

(e) DEQ's Background Concentrations in Soil are referenced from the DEQ's Development of Oregon Background Metals Concentrations in Soil technical report dated March 2013. The background concentrations included in this table are 95% Upper Prediction Limit (UPL) for the Cascade Mountains region, which includes the Medford area and the Site.

(f) Clean Fill Values are referenced from the DEQ's Clean Fill Determinations Internal Management Directive document dated February 2019.

Symbols/Acronyms:

bgs - below ground surface

C.W. - construction worker receptor

DEQ - Department of Environmental Quality

E.W. - excavation worker receptor

ft - feet

ICP-MS - Inductively Coupled Plasma Mass Spectrometry

>Max - The constituent RBC for this pathway is greater than 1,000,000 mg/Kg or 1,000,000 mg/L. Therefore, these substances are not expected to pose risks in the scenario shown.

mg/kg - milligrams per kilogram

NA - Sample was not analyzed for this analyte.

NE - No RBC levels are established for this chemical.

NV - The chemical is considered "nonvolatile" for the purposes of the exposure calculations.

RBC - risk-based concentration

RES. - residential receptors

USEPA - United States Environmental Protection Agency

Table 2. Soil Samples Analytical Results - Organochlorine Pesticides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels (e)	Test Pit Samples		
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU-1-0.0-0.5	DU1-0.5-1.0	DU1-1.0-1.5
	RES.	C. W.	E. W.	RES.	RES.		Composite soil samples of subsamples collected from test pits TP1 through TP4		
							0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs
						04/09/25	04/09/25	04/09/25	
Organochlorine Pesticides (mg/kg)									
USEPA 8081B									
Aldrin	0.031	1.1	30	>Csat	0.023	0.023	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
alpha-BHC	0.086	3.0	83	NV	0.0063	0.0063	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
beta-BHC	NE	NE	NE	NE	NE	0.009	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
delta-BHC	NE	NE	NE	NE	NE	NE	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
gamma-BHC (Lindane)	0.49	17	470	NV	0.036	0.0095	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
Chlordane	1.7	61	1,700	>Csat	0.45	0.91	0.265U, C-05, PRO	0.531U, C-05, PRO	0.0519U, C-05, PRO
cis-Chlordane (Chlordane RBCs)	1.7	61	1,700	>Csat	0.45	0.91	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
trans-Chlordane (Chlordane RBCs)	1.7	61	1,700	>Csat	0.45	0.91	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
4,4'-DDD	2.2	9.7	270	NV	1.1	0.0063	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
4,4'-DDE	1.8	66	1,800	>Csat	1.6	0.01	0.372 C-05, PRO	1.070 C-05, PRO	0.0297 C-05, PRO
4,4-DDT	1.9	66	1,800	NV	12	0.01	0.0413 Q-42, C-05, PRO	0.336 C-05, PRO	0.00909 C-05, PRO
Dieldrin	0.034	1.2	33	NV	0.010	0.0045	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
Endosulfan I (Endosulfan alpha-beta RBC)	380	1,600	45,000	>Max	>Csat	0.64	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
Endosulfan II (Endosulfan alpha-beta RBC)	380	1,600	45,000	>Max	>Csat	0.64	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
Endosulfan Sulfate (Endosulfan alpha-beta RBC)	380	1,600	45,000	>Max	>Csat	0.64	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
Endrin	19	80	2,200	NV	11	0.0014	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
Endrin Aldehyde (Endrin RBC)	19	80	2,200	NV	11	0.0014	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
Endrin Ketone (Endrin RBC)	19	80	2,200	NV	11	0.0014	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
Heptachlor	0.11	4.0	110	230	0.017	0.017	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
Heptachlor expoxide	0.055	2.0	56	>Csat	0.0042	0.0042	0.00884U, C-05, PRO	0.0177U, C-05, PRO	0.00173U, C-05, PRO
Methoxychlor	NE	NE	NE	NE	NE	5.1	0.0265U, C-05, PRO	0.0531U, C-05, PRO	0.00519U, C-05, PRO
Toxaphene (Total)	0.49	17	470	NV	0.36	0.36	0.265U, C-05, PRO	0.531U, C-05, PRO	0.0519U, C-05, PRO

See notes on next page.

Table 2. Soil Samples Analytical Results - Organochlorine Pesticides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels (e)	Test Pit Samples		
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU2-0.0-0.5	DU2-0.5-1.0	DU2-1.0-1.5
	RES.	C. W.	E. W.	RES.	RES.		Composite soil samples of subsamples collected from test pits TP5 through TP8		
							0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs
							04/09/25	04/09/25	04/09/25
Organochlorine Pesticides (mg/kg)									
USEPA 8081B									
Aldrin	0.031	1.1	30	>Csat	0.023	0.023	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
alpha-BHC	0.086	3.0	83	NV	0.0063	0.0063	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
beta-BHC	NE	NE	NE	NE	NE	0.009	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
delta-BHC	NE	NE	NE	NE	NE	NE	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
gamma-BHC (Lindane)	0.49	17	470	NV	0.036	0.0095	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
Chlordane	1.7	61	1,700	>Csat	0.45	0.91	0.521U, C-05, PRO	0.0540U, C-05, PRO	0.0545U, C-05, PRO
cis-Chlordane (Chlordane RBCs)	1.7	61	1,700	>Csat	0.45	0.91	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
trans-Chlordane (Chlordane RBCs)	1.7	61	1,700	>Csat	0.45	0.91	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
4,4'-DDD	2.2	9.7	270	NV	1.1	0.0063	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
4,4'-DDE	1.8	66	1,800	>Csat	1.6	0.01	1.040 C-05, PRO	0.0301 C-05, PRO	0.00405 PRO
4,4-DDT	1.9	66	1,800	NV	12	0.01	0.236 C-05, PRO	0.0121 C-05, PRO	0.00182U, C-05, PRO
Dieldrin	0.034	1.2	33	NV	0.010	0.0045	0.0504 C-05, PRO	0.00285 C-05, PRO	0.00182U, C-05, PRO
Endosulfan I (Endosulfan alpha-beta RBC)	380	1,600	45,000	>Max	>Csat	0.64	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
Endosulfan II (Endosulfan alpha-beta RBC)	380	1,600	45,000	>Max	>Csat	0.64	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
Endosulfan Sulfate (Endosulfan alpha-beta RBC)	380	1,600	45,000	>Max	>Csat	0.64	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
Endrin	19	80	2,200	NV	11	0.0014	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
Endrin Aldehyde (Endrin RBC)	19	80	2,200	NV	11	0.0014	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
Endrin Ketone (Endrin RBC)	19	80	2,200	NV	11	0.0014	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
Heptachlor	0.11	4.0	110	230	0.017	0.017	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
Heptachlor expoxide	0.055	2.0	56	>Csat	0.0042	0.0042	0.0174U, C-05, PRO	0.00180U, C-05, PRO	0.00182U, C-05, PRO
Methoxychlor	NE	NE	NE	NE	NE	5.1	0.0521U, C-05, PRO	0.00540U, C-05, PRO	0.00545U, C-05, PRO
Toxaphene (Total)	0.49	17	470	NV	0.36	0.36	0.521U, C-05, PRO	0.0540U, C-05, PRO	0.0545U, C-05, PRO

See notes on next page.

Table 2. Soil Samples Analytical Results - Organochlorine Pesticides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels (e)	Test Pit Samples		
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU3-0.0-0.5	DU3-0.5-1.0	DU3-1.0-1.5
	Composite soil samples of subsamples collected from test pits TP9 through TP12								
	RES.	C. W.	E. W.	RES.	RES.		0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs
							04/09/25	04/09/25	04/09/25
Organochlorine Pesticides (mg/kg)									
USEPA 8081B									
Aldrin	0.031	1.1	30	>Csat	0.023	0.023	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
alpha-BHC	0.086	3.0	83	NV	0.0063	0.0063	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
beta-BHC	NE	NE	NE	NE	NE	0.009	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
delta-BHC	NE	NE	NE	NE	NE	NE	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
gamma-BHC (Lindane)	0.49	17	470	NV	0.036	0.0095	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
Chlordane	1.7	61	1,700	>Csat	0.45	0.91	0.534U, C-05, PRO	0.555U, C-05, PRO	0.278U, C-05, PRO
cis-Chlordane (Chlordane RBCs)	1.7	61	1,700	>Csat	0.45	0.91	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
trans-Chlordane (Chlordane RBCs)	1.7	61	1,700	>Csat	0.45	0.91	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
4,4'-DDD	2.2	9.7	270	NV	1.1	0.0063	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
4,4'-DDE	1.8	66	1,800	>Csat	1.6	0.01	1.550 C-05, PRO	0.716 C-05, PRO	0.552 C-05, PRO
4,4-DDT	1.9	66	1,800	NV	12	0.01	0.324 C-05, PRO	0.173 C-05, PRO	0.120 C-05, PRO
Dieldrin	0.034	1.2	33	NV	0.010	0.0045	0.0640 C-05, PRO	0.0342 C-05, PRO	0.0222 C-05, PRO
Endosulfan I (Endosulfan alpha-beta RBC)	380	1,600	45,000	>Max	>Csat	0.64	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
Endosulfan II (Endosulfan alpha-beta RBC)	380	1,600	45,000	>Max	>Csat	0.64	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
Endosulfan Sulfate (Endosulfan alpha-beta RBC)	380	1,600	45,000	>Max	>Csat	0.64	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
Endrin	19	80	2,200	NV	11	0.0014	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
Endrin Aldehyde (Endrin RBC)	19	80	2,200	NV	11	0.0014	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
Endrin Ketone (Endrin RBC)	19	80	2,200	NV	11	0.0014	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
Heptachlor	0.11	4.0	110	230	0.017	0.017	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
Heptachlor expoxide	0.055	2.0	56	>Csat	0.0042	0.0042	0.0178U, C-05, PRO	0.0185U, C-05, PRO	0.00926U, C-05, PRO
Methoxychlor	NE	NE	NE	NE	NE	5.1	0.0534U, C-05, PRO	0.0555U, C-05, PRO	0.0278U, C-05, PRO
Toxaphene (Total)	0.49	17	470	NV	0.36	0.36	0.534U, C-05, PRO	0.555U, C-05, PRO	0.278U, C-05, PRO

See notes on next page.

Table 2. Soil Samples Analytical Results - Organochlorine Pesticides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels (e)	Test Pit Samples		
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU4-0.0-0.5	DU4-0.5-1.0	DU4-1.0-1.5
	Composite soil samples of subsamples collected from test pits TP13 through TP16								
	RES.	C. W.	E. W.	RES.	RES.		0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs
							04/09/25	04/09/25	04/09/25
Organochlorine Pesticides (mg/kg)									
USEPA 8081B									
Aldrin	0.031	1.1	30	>Csat	0.023	0.023	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
alpha-BHC	0.086	3.0	83	NV	0.0063	0.0063	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
beta-BHC	NE	NE	NE	NE	NE	0.009	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
delta-BHC	NE	NE	NE	NE	NE	NE	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
gamma-BHC (Lindane)	0.49	17	470	NV	0.036	0.0095	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
Chlordane	1.7	61	1,700	>Csat	0.45	0.91	0.0529U, C-05, PRO	0.0524U, C-05, PRO	0.0523U, PRO
cis-Chlordane (Chlordane RBCs)	1.7	61	1,700	>Csat	0.45	0.91	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
trans-Chlordane (Chlordane RBCs)	1.7	61	1,700	>Csat	0.45	0.91	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
4,4'-DDD	2.2	9.7	270	NV	1.1	0.0063	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
4,4'-DDE	1.8	66	1,800	>Csat	1.6	0.01	0.00250 C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
4,4-DDT	1.9	66	1,800	NV	12	0.01	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
Dieldrin	0.034	1.2	33	NV	0.010	0.0045	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
Endosulfan I (Endosulfan alpha-beta RBC)	380	1,600	45,000	>Max	>Csat	0.64	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
Endosulfan II (Endosulfan alpha-beta RBC)	380	1,600	45,000	>Max	>Csat	0.64	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
Endosulfan Sulfate (Endosulfan alpha-beta RBC)	380	1,600	45,000	>Max	>Csat	0.64	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
Endrin	19	80	2,200	NV	11	0.0014	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
Endrin Aldehyde (Endrin RBC)	19	80	2,200	NV	11	0.0014	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
Endrin Ketone (Endrin RBC)	19	80	2,200	NV	11	0.0014	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
Heptachlor	0.11	4.0	110	230	0.017	0.017	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
Heptachlor expoxide	0.055	2.0	56	>Csat	0.0042	0.0042	0.00176U, C-05, PRO	0.00175U, C-05, PRO	0.00174U, C-05, PRO
Methoxychlor	NE	NE	NE	NE	NE	5.1	0.00529U, C-05, PRO	0.00524U, C-05, PRO	0.00523U, PRO
Toxaphene (Total)	0.49	17	470	NV	0.36	0.36	0.0529U, C-05, PRO	0.0524U, C-05, PRO	0.0523U, PRO

See notes on next page.

Table 2. Soil Samples Analytical Results - Organochlorine Pesticides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels (e)	Test Pit Samples		
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU5-0.0-0.5	DU5-0.5-1.0	DU5-1.0-1.5
	RES.	C. W.	E. W.	RES.	RES.		Composite soil samples of subsamples collected from test pits TP17 through TP20		
							0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs
						04/09/25	04/09/25	04/09/25	
Organochlorine Pesticides (mg/kg)									
USEPA 8081B									
Aldrin	0.031	1.1	30	>Csat	0.023	0.023	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
alpha-BHC	0.086	3.0	83	NV	0.0063	0.0063	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
beta-BHC	NE	NE	NE	NE	NE	0.009	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
delta-BHC	NE	NE	NE	NE	NE	NE	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
gamma-BHC (Lindane)	0.49	17	470	NV	0.036	0.0095	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
Chlordane	1.7	61	1,700	>Csat	0.45	0.91	0.0530U, C-05, PRO	0.0514U, C-05, PRO	0.0553U, C-05, PRO
cis-Chlordane (Chlordane RBCs)	1.7	61	1,700	>Csat	0.45	0.91	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
trans-Chlordane (Chlordane RBCs)	1.7	61	1,700	>Csat	0.45	0.91	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
4,4'-DDD	2.2	9.7	270	NV	1.1	0.0063	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
4,4'-DDE	1.8	66	1,800	>Csat	1.6	0.01	0.00468 C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
4,4-DDT	1.9	66	1,800	NV	12	0.01	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
Dieldrin	0.034	1.2	33	NV	0.010	0.0045	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
Endosulfan I (Endosulfan alpha-beta RBC)	380	1,600	45,000	>Max	>Csat	0.64	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
Endosulfan II (Endosulfan alpha-beta RBC)	380	1,600	45,000	>Max	>Csat	0.64	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
Endosulfan Sulfate (Endosulfan alpha-beta RBC)	380	1,600	45,000	>Max	>Csat	0.64	0.00179 C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
Endrin	19	80	2,200	NV	11	0.0014	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
Endrin Aldehyde (Endrin RBC)	19	80	2,200	NV	11	0.0014	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
Endrin Ketone (Endrin RBC)	19	80	2,200	NV	11	0.0014	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
Heptachlor	0.11	4.0	110	230	0.017	0.017	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
Heptachlor expoxide	0.055	2.0	56	>Csat	0.0042	0.0042	0.00177U, C-05, PRO	0.00171U, C-05, PRO	0.00184U, C-05, PRO
Methoxychlor	NE	NE	NE	NE	NE	5.1	0.00530U, C-05, PRO	0.00514U, C-05, PRO	0.00553U, C-05, PRO
Toxaphene (Total)	0.49	17	470	NV	0.36	0.36	0.0530U, C-05, PRO	0.0514U, C-05, PRO	0.0553U, C-05, PRO

See notes on next page.

Table 2. Soil Samples Analytical Results - Organochlorine Pesticides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Notes:

Analytical data in bold font indicates that the value exceeds the laboratory method reporting limit.

Analytical data highlighted in blue indicates the value exceeded the clean fill screening levels.

Analytical data highlighted in both yellow and blue indicates the value exceeded one or more generic RBCs and the Clean Fill Value.

Data Qualifiers:

C-05 - Extract has undergone a GPC (Gel-Permeation Chromatography) cleanup per EPA 3640A. Reporting levels may be raised due to dilution necessary for cleanup. Sample Final Volume includes the GPC dilution factor, see the Prep page for details.

PRO - Sample has undergone sample processing prior to extraction and analysis.

Q-42 - Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)

U - The analyte was analyzed for, but was not detected above the analytical laboratory method reporting limit.

Footnotes:

(a) Risk-Based Concentrations are referenced from the July 2023 update to the DEQ's Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites guidance document dated September 2003.

(b) This pathway is applicable anytime someone is likely to come into contact with contaminated soil. For the occupational scenario, exposure to contaminated soils should be considered for all

(c) This pathway is applicable whenever vadose zone soils are contaminated with volatile compounds.

(e) This pathway is applicable whenever vadose zone contamination is found overlying an aquifer that is currently used or is reasonably likely to be used in the future.

(f) Clean Fill Values are referenced from the DEQ's Clean Fill Determinations Internal Management Directive document dated February 2019.

Symbols/Acronyms:

bgs - below ground surface

C.W. - construction worker receptor

>Csat - The soil RBC exceeds the limit of three-phase equilibrium partitioning. Soil concentrations in excess of this value indicate free product might be present.

DEQ - Department of Environmental Quality

E.W. - excavation worker receptor

ft - feet

>Max - The constituent RBC for this pathway is greater than 1,000,000 mg/Kg or 1,000,000 mg/L. Therefore, these substances are not expected to pose risks in the scenario shown.

mg/kg - milligrams per kilogram

NA - Sample was not analyzed for this analyte.

NE - No RBC levels are established for this chemical.

RBC - risk-based concentration

RES. - residential receptors

USEPA - United States Environmental Protection Agency

alpha-BHC - alpha-Hexachlorocyclohexane

4,4'-DDD - 4,4'-Dichlorodiphenyldichloroethane

4,4'-DDE - 4,4'-Dichlorodiphenyldichloroethene

4,4'-DDT - 4,4'-Dichlorodiphenyltrichloroethane

Table 3. Soil Samples Analytical Results - Organophosphorus Herbicides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels (e)	Test Pit Samples		
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU1-0.0-0.5	DU1-0.5-1.0	DU1-1.0-1.5
	RES.	C. W.	E. W.	RES.	RES.		Composite soil samples of subsamples collected from test pits TP1 through TP4		
							0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs
							04/09/25	04/09/25	04/09/25
Organophosphorus Pesticides (mg/kg)									
USEPA Method 8270E									
Azinphos methyl (Guthion)	NE	NE	NE	NE	NE	1	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Chlorpyrifos	NE	NE	NE	NE	NE	7.2	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Coumaphos	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Demeton-O	NE	NE	NE	NE	NE	2.5	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Demeton-S	NE	NE	NE	NE	NE	2.5	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Diazinon	NE	NE	NE	NE	NE	3.9	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Dichlorvos	NE	NE	NE	NE	NE	0.0049	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Dimethoate	NE	NE	NE	NE	NE	0.59	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Disulfoton	NE	NE	NE	NE	NE	0.056	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
EPN	NE	NE	NE	NE	NE	0.17	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Ethoprop	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Fensulfothion	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Fenthion	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Malathion	NE	NE	NE	NE	NE	6	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Merphos	NE	NE	NE	NE	NE	NE	0.0520U, R-02, PRO	0.0868U, R-02, PRO	0.0441U, PRO
Methyl parathion	NE	NE	NE	NE	NE	2.3	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Mevinphos (Phosdrin)	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Monocrotophos	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Naled (Dibrom)	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Parathion, ethyl	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Phorate	NE	NE	NE	NE	NE	1.1	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Ronnel (Fenclorphos)	NE	NE	NE	NE	NE	0.2	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Sulfotep	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Sulprofos (Bolstar)	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
TEPP	NE	NE	NE	NE	NE	NE	0.176U, PRO	0.179U, PRO	0.176U, PRO
Tetrachlorvinphos (Rabon)	NE	NE	NE	NE	NE	0.49	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Tokuthion (Prothiofos)	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO
Trichloronate	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0447U, PRO	0.0441U, PRO

See notes on next page.

Table 3. Soil Samples Analytical Results - Organophosphorus Herbicides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels (e)	Test Pit Samples		
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU2-0.0-0.5	DU2-0.5-1.0	DU2-1.0-1.5
	RES.	C. W.	E. W.	RES.	RES.		Composite soil samples of subsamples collected from test pits TP5 through TP8		
							0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs
						04/09/25	04/09/25	04/09/25	
Organophosphorus Pesticides (mg/kg)									
USEPA Method 8270E									
Azinphos methyl (Guthion)	NE	NE	NE	NE	NE	1	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Chlorpyrifos	NE	NE	NE	NE	NE	7.2	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Coumaphos	NE	NE	NE	NE	NE	NE	0.0493U, R-02, PRO	0.0458U, PRO	0.0445U, PRO
Demeton-O	NE	NE	NE	NE	NE	2.5	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Demeton-S	NE	NE	NE	NE	NE	2.5	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Diazinon	NE	NE	NE	NE	NE	3.9	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Dichlorvos	NE	NE	NE	NE	NE	0.0049	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Dimethoate	NE	NE	NE	NE	NE	0.59	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Disulfoton	NE	NE	NE	NE	NE	0.056	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
EPN	NE	NE	NE	NE	NE	0.17	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Ethoprop	NE	NE	NE	NE	NE	NE	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Fensulfothion	NE	NE	NE	NE	NE	NE	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Fenthion	NE	NE	NE	NE	NE	NE	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Malathion	NE	NE	NE	NE	NE	6	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Merphos	NE	NE	NE	NE	NE	NE	0.0959U, R-02, PRO	0.0889U, R-02, PRO	0.0445U, PRO
Methyl parathion	NE	NE	NE	NE	NE	2.3	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Mevinphos (Phosdrin)	NE	NE	NE	NE	NE	NE	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Monocrotophos	NE	NE	NE	NE	NE	NE	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Naled (Dibrom)	NE	NE	NE	NE	NE	NE	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Parathion, ethyl	NE	NE	NE	NE	NE	NE	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Phorate	NE	NE	NE	NE	NE	1.1	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Ronnel (Fenclorphos)	NE	NE	NE	NE	NE	0.2	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Sulfotep	NE	NE	NE	NE	NE	NE	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Sulprofos (Bolstar)	NE	NE	NE	NE	NE	NE	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
TEPP	NE	NE	NE	NE	NE	NE	0.183U, PRO	0.183U, PRO	0.178U, PRO
Tetrachlorvinphos (Rabon)	NE	NE	NE	NE	NE	0.49	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Tokuthion (Prothiofos)	NE	NE	NE	NE	NE	NE	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO
Trichloronate	NE	NE	NE	NE	NE	NE	0.0457U, PRO	0.0458U, PRO	0.0445U, PRO

See notes on next page.

Table 3. Soil Samples Analytical Results - Organophosphorus Herbicides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels (e)	Test Pit Samples		
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU3-0.0-0.5	DU3-0.5-1.0	DU3-1.0-1.5
	RES.	C. W.	E. W.	RES.	RES.		Composite soil samples of subsamples collected from test pits TP9 through TP12		
							0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs
						04/09/25	04/09/25	04/09/25	
Organophosphorus Pesticides (mg/kg)									
USEPA Method 8270E									
Azinphos methyl (Guthion)	NE	NE	NE	NE	NE	1	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Chlorpyrifos	NE	NE	NE	NE	NE	7.2	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Coumaphos	NE	NE	NE	NE	NE	NE	0.0626U, R-02, PRO	0.0488U, R-02, PRO	0.0463U, PRO
Demeton-O	NE	NE	NE	NE	NE	2.5	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Demeton-S	NE	NE	NE	NE	NE	2.5	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Diazinon	NE	NE	NE	NE	NE	3.9	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Dichlorvos	NE	NE	NE	NE	NE	0.0049	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Dimethoate	NE	NE	NE	NE	NE	0.59	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Disulfoton	NE	NE	NE	NE	NE	0.056	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
EPN	NE	NE	NE	NE	NE	0.17	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Ethoprop	NE	NE	NE	NE	NE	NE	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Fensulfothion	NE	NE	NE	NE	NE	NE	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Fenthion	NE	NE	NE	NE	NE	NE	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Malathion	NE	NE	NE	NE	NE	6	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Merphos	NE	NE	NE	NE	NE	NE	0.462U, R-02, PRO	0.267U, R-02, PRO	0.118U, R-02, PRO
Methyl parathion	NE	NE	NE	NE	NE	2.3	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Mevinphos (Phosdrin)	NE	NE	NE	NE	NE	NE	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Monocrotophos	NE	NE	NE	NE	NE	NE	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Naled (Dibrom)	NE	NE	NE	NE	NE	NE	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Parathion, ethyl	NE	NE	NE	NE	NE	NE	0.0499U, R-02, PRO	0.0452U, PRO	0.0463U, PRO
Phorate	NE	NE	NE	NE	NE	1.1	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Ronnel (Fenclorphos)	NE	NE	NE	NE	NE	0.2	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Sulfotep	NE	NE	NE	NE	NE	NE	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Sulprofos (Bolstar)	NE	NE	NE	NE	NE	NE	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
TEPP	NE	NE	NE	NE	NE	NE	0.181U, PRO	0.181U, PRO	0.185U, PRO
Tetrachlorvinphos (Rabon)	NE	NE	NE	NE	NE	0.49	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Tokuthion (Prothiofos)	NE	NE	NE	NE	NE	NE	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO
Trichloronate	NE	NE	NE	NE	NE	NE	0.0453U, PRO	0.0452U, PRO	0.0463U, PRO

See notes on next page.

Table 3. Soil Samples Analytical Results - Organophosphorus Herbicides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels (e)	Test Pit Samples		
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU4-0.0-0.5	DU4-0.5-1.0	DU4-1.0-1.5
	RES.	C. W.	E. W.	RES.	RES.		Composite soil samples of subsamples collected from test pits TP13 through TP16		
							0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs
						04/09/25	04/09/25	04/09/25	
Organophosphorus Pesticides (mg/kg)									
USEPA Method 8270E									
Azinphos methyl (Guthion)	NE	NE	NE	NE	NE	1	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Chlorpyrifos	NE	NE	NE	NE	NE	7.2	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Coumaphos	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Demeton-O	NE	NE	NE	NE	NE	2.5	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Demeton-S	NE	NE	NE	NE	NE	2.5	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Diazinon	NE	NE	NE	NE	NE	3.9	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Dichlorvos	NE	NE	NE	NE	NE	0.0049	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Dimethoate	NE	NE	NE	NE	NE	0.59	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Disulfoton	NE	NE	NE	NE	NE	0.056	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
EPN	NE	NE	NE	NE	NE	0.17	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Ethoprop	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Fensulfothion	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Fenthion	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Malathion	NE	NE	NE	NE	NE	6	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Merphos	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Methyl parathion	NE	NE	NE	NE	NE	2.3	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Mevinphos (Phosdrin)	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Monocrotophos	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Naled (Dibrom)	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Parathion, ethyl	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Phorate	NE	NE	NE	NE	NE	1.1	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Ronnel (Fenclorphos)	NE	NE	NE	NE	NE	0.2	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Sulfotep	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Sulprofos (Bolstar)	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
TEPP	NE	NE	NE	NE	NE	NE	0.177U, PRO	0.179U, PRO	0.176U, PRO
Tetrachlorvinphos (Rabon)	NE	NE	NE	NE	NE	0.49	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Tokuthion (Prothiofos)	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO
Trichloronate	NE	NE	NE	NE	NE	NE	0.0441U, PRO	0.0448U, PRO	0.0441U, PRO

See notes on next page.

Table 3. Soil Samples Analytical Results - Organophosphorus Herbicides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels (e)	Test Pit Samples		
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU5-0.0-0.5	DU5-0.5-1.0	DU5-1.0-1.5
	RES.	C. W.	E. W.	RES.	RES.		Composite soil samples of subsamples collected from test pits TP17 through TP20		
							0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs
						04/09/25	04/09/25	04/09/25	
Organophosphorus Pesticides (mg/kg)									
USEPA Method 8270E									
Azinphos methyl (Guthion)	NE	NE	NE	NE	NE	1	0.0462U, PRO	0.0430U, PRO	0.0449U, PRO
Chlorpyrifos	NE	NE	NE	NE	NE	7.2	0.0462U, PRO	0.0430U, PRO	0.0449U, PRO
Coumaphos	NE	NE	NE	NE	NE	NE	0.0462U, PRO	0.0430U, PRO	0.0449U, PRO
Demeton-O	NE	NE	NE	NE	NE	2.5	0.0462U, PRO	0.0430U, PRO	0.0449U, Q-42, PRO
Demeton-S	NE	NE	NE	NE	NE	2.5	0.0462U, PRO	0.0430U, PRO	0.0449U, Q-42, PRO
Diazinon	NE	NE	NE	NE	NE	3.9	0.0462U, PRO	0.0430U, PRO	0.0449U, Q-42, PRO
Dichlorvos	NE	NE	NE	NE	NE	0.0049	0.0462U, PRO	0.0430U, PRO	0.0449U, Q-42, PRO
Dimethoate	NE	NE	NE	NE	NE	0.59	0.0462U, PRO	0.0430U, PRO	0.0449U, PRO
Disulfoton	NE	NE	NE	NE	NE	0.056	0.0462U, PRO	0.0430U, PRO	0.0449U, PRO
EPN	NE	NE	NE	NE	NE	0.17	0.0462U, PRO	0.0430U, PRO	0.0449U, PRO
Ethoprop	NE	NE	NE	NE	NE	NE	0.0462U, PRO	0.0430U, PRO	0.0449U, Q-42, PRO
Fensulfothion	NE	NE	NE	NE	NE	NE	0.0462U, PRO	0.0430U, PRO	0.0449U, Q-42, PRO
Fenthion	NE	NE	NE	NE	NE	NE	0.0462U, PRO	0.0430U, PRO	0.0449U, PRO
Malathion	NE	NE	NE	NE	NE	6	0.0462U, PRO	0.0430U, PRO	0.0449U, PRO
Merphos	NE	NE	NE	NE	NE	NE	0.0462U, PRO	0.0430U, PRO	0.0449U, Q-42, PRO
Methyl parathion	NE	NE	NE	NE	NE	2.3	0.0462U, PRO	0.0430U, PRO	0.0449U, PRO
Mevinphos (Phosdrin)	NE	NE	NE	NE	NE	NE	0.0462U, PRO	0.0430U, PRO	0.0449U, Q-42, PRO
Monocrotophos	NE	NE	NE	NE	NE	NE	0.0462U, PRO	0.0430U, PRO	0.0449U, Q-42, PRO
Naled (Dibrom)	NE	NE	NE	NE	NE	NE	0.0462U, PRO	0.0430U, PRO	0.0449U, Q-42, PRO
Parathion, ethyl	NE	NE	NE	NE	NE	NE	0.0462U, PRO	0.0430U, PRO	0.0449U, PRO
Phorate	NE	NE	NE	NE	NE	1.1	0.0462U, PRO	0.0430U, PRO	0.0449U, PRO
Ronnel (Fenchlorphos)	NE	NE	NE	NE	NE	0.2	0.0462U, PRO	0.0430U, PRO	0.0449U, PRO
Sulfotep	NE	NE	NE	NE	NE	NE	0.0462U, PRO	0.0430U, PRO	0.0449U, Q-42, PRO
Sulprofos (Bolstar)	NE	NE	NE	NE	NE	NE	0.0462U, PRO	0.0430U, PRO	0.0449U, PRO
TEPP	NE	NE	NE	NE	NE	NE	0.185U, PRO	0.172U, PRO	0.179U, Q-42, PRO
Tetrachlorvinphos (Rabon)	NE	NE	NE	NE	NE	0.49	0.0462U, PRO	0.0430U, PRO	0.0449U, Q-42, PRO
Tokuthion (Prothiofos)	NE	NE	NE	NE	NE	NE	0.0462U, PRO	0.0430U, PRO	0.0449U, PRO
Trichloronate	NE	NE	NE	NE	NE	NE	0.0462U, PRO	0.0430U, PRO	0.0449U, PRO

See notes on next page.

Table 3. Soil Samples Analytical Results - Organophosphorus Pesticides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Notes:

Data Qualifiers:

PRO - Sample has undergone sample processing prior to extraction and analysis.

Q-42 - Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)

R-02 - The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.

U - The analyte was analyzed for, but was not detected above the analytical laboratory's method reporting limit.

Footnotes:

(a) Risk-Based Concentrations are referenced from the July 2023 update to the DEQ's Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites guidance document dated September 2003.

(b) This pathway is applicable anytime someone is likely to come into contact with contaminated soil. For the occupational scenario, exposure to contaminated soils should be considered for all contaminants found in the top three feet of soil.

(c) This pathway is applicable whenever vadose zone soils are contaminated with volatile compounds.

(e) This pathway is applicable whenever vadose zone contamination is found overlying an aquifer that is currently used or is reasonably likely to be used in the future.

(f) Clean Fill Values are referenced from the DEQ's Clean Fill Determinations Internal Management Directive document dated February 2019.

Symbols/Acronyms:

bgs - below ground surface

C.W. - construction worker receptor

>C_{sat} - The soil RBC exceeds the limit of three-phase equilibrium partitioning. Soil concentrations in excess of this value indicate free product might be present.

DEQ - Department of Environmental Quality

E.W. - excavation worker receptor

ft - feet

>Max - The constituent RBC for this pathway is greater than 1,000,000 mg/Kg or 1,000,000 mg/L. Therefore, these substances are not expected to pose risks in the scenario shown.

NA - Sample was not analyzed for this analyte.

NE - No RBC levels are established for this chemical.

ug/kg - micrograms per kilogram

RBC - risk-based concentration

RES. - residential receptors

USEPA - United States Environmental Protection Agency

Table 4. Soil Samples Analytical Results - Chlorinated Herbicides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels (e)	Test Pit Samples									
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU-1-0.0-0.5	DU1-0.5-1.0	DU1-1.0-1.5	DU2-0.0-0.5	DU2-0.5-1.0	DU2-1.0-1.5				
	RES.	C. W.	E. W.	RES.	RES.		Composite soil samples of subsamples collected from test pits TP1 through TP4			Composite soil samples of subsamples collected from test pits TP5 through TP8						
							0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs	0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs				
							04/09/25	04/09/25	04/09/25	04/09/25	04/09/25	04/09/25				
Chlorinated Herbicides (mg/kg)																
USEPA 8321B																
2,4-DB	NE	NE	NE	NE	NE	25	0.0094U, H, H3	0.0094U, H, H3	0.0100U, H, H3	0.0510U, H, H3	0.0094U, H, H3	0.0096U, H, H3				
2,4-D	630	2,700	74,000	NV	2.3	2.3	0.0047U, H, H3	0.0047U, H, H3	0.0052U, H, H3	0.0250U, H, H3	0.0047U, H, H3	0.0048U, H, H3				
MCPA	32	130	3,700	NV	0.097	0.097	0.0047U, H, H3	0.0047U, H, H3	0.0052U, H, H3	0.0250U, H, H3	0.0047U, H, H3	0.0048U, H, H3				
2,4,5-T	NE	NE	NE	NE	NE	4.1	0.0047U, H, H3	0.0047U, H, H3	0.0052U, H, H3	0.0250U, H, H3	0.0047U, H, H3	0.0048U, H, H3				
2,4,5-TP (Silvex)	NE	NE	NE	NE	NE	3.7	0.0047U, H, H3	0.0047U, H, H3	0.0052U, H, H3	0.0250U, H, H3	0.0047U, H, H3	0.0048U, H, H3				
MCPP	NE	NE	NE	NE	NE	NE	0.0047U, H, H3	0.0047U, H, H3	0.0052U, H, H3	0.0250U, H, H3	0.0047U, H, H3	0.0048U, H, H3				
Dicamba	NE	NE	NE	NE	NE	9	0.0047U, H, H3	0.0047U, H, H3	0.0052U, H, H3	0.0250U, H, H3	0.0047U, H, H3	0.0048U, H, H3				
Dichloroprop	NE	NE	NE	NE	NE	NE	0.0047U, H, H3	0.0047U, H, H3	0.0052U, H, H3	0.0250U, H, H3	0.0047U, H, H3	0.0048U, H, H3				
Dalapon	NE	NE	NE	NE	NE	7.2	0.0094U, H, H3	0.0094U, H, H3	0.0100U, H, H3	0.0510U, H, H3	0.0094U, H, H3	0.0096U, H, H3				
Dinoseb	NE	NE	NE	NE	NE	7.8	0.0094U, H, H3	0.0094U, H, H3	0.0100U, H, H3	0.0510U, H, H3	0.0094U, H, H3	0.0096U, H, H3				

See notes on next page.

Table 4. Soil Samples Analytical Results - Chlorinated Herbicides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels (e)	Test Pit Samples			Test Pit Samples			
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU3-0.0-0.5	DU3-0.5-1.0	DU3-1.0-1.5	DU4-0.0-0.5	DU4-0.5-1.0	DU4-1.0-1.5	
	RES.	C. W.	E. W.	RES.	RES.		Composite soil samples of subsamples collected from test pits TP9 through TP12			Composite soil samples of subsamples collected from test pits TP13 through TP16			
							0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs	0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs	
							04/09/25	04/09/25	04/09/25	04/09/25	04/09/25	04/09/25	
Chlorinated Herbicides (mg/kg)													
USEPA 8321B													
2,4-DB	NE	NE	NE	NE	NE	25	0.0480U, H, H3	0.0096U, H, H3	0.0100U, H, H3	0.0100U, H, H3	0.0094U, H, H3	0.0096U, H, H3	
2,4-D	630	2,700	74,000	NV	2.3	2.3	0.0240U, H, H3	0.0048U, H, H3	0.0050U, H, H3	0.0051U, H, H3	0.0047U, H, H3	0.0048U, H, H3	
MCPA	32	130	3,700	NV	0.097	0.097	0.0240U, H, H3	0.0048U, H, H3	0.0050U, H, H3	0.0051U, H, H3	0.0047U, H, H3	0.0048U, H, H3	
2,4,5-T	NE	NE	NE	NE	NE	4.1	0.0240U, H, H3	0.0048U, H, H3	0.0050U, H, H3	0.0051U, H, H3	0.0047U, H, H3	0.0048U, H, H3	
2,4,5-TP (Silvex)	NE	NE	NE	NE	NE	3.7	0.0240U, H, H3	0.0048U, H, H3	0.0050U, H, H3	0.0051U, H, H3	0.0047U, H, H3	0.0048U, H, H3	
MCPP	NE	NE	NE	NE	NE	NE	0.0240U, H, H3	0.0048U, H, H3	0.0050U, H, H3	0.0051U, H, H3	0.0047U, H, H3	0.0048U, H, H3	
Dicamba	NE	NE	NE	NE	NE	9	0.0240U, H, H3	0.0048U, H, H3	0.0050U, H, H3	0.0051U, H, H3	0.0047U, H, H3	0.0048U, H, H3	
Dichloroprop	NE	NE	NE	NE	NE	NE	0.0240U, H, H3	0.0048U, H, H3	0.0050U, H, H3	0.0051U, H, H3	0.0047U, H, H3	0.0048U, H, H3	
Dalapon	NE	NE	NE	NE	NE	7.2	0.0480U, H, H3	0.0096U, H, H3	0.0100U, H, H3	0.0100U, H, H3	0.0094U, H, H3	0.0096U, H, H3	
Dinoseb	NE	NE	NE	NE	NE	7.8	0.0480U, H, H3	0.0096U, H, H3	0.0100U, H, H3	0.0100U, H, H3	0.0094U, H, H3	0.0096U, H, H3	

See notes on next page.

Table 4. Soil Samples Analytical Results - Chlorinated Herbicides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Parameter	DEQ Risk-Based Concentrations for Soil (a)					DEQ's Clean fill screening levels (e)	Test Pit Samples		
	Ingestion, Dermal Contact and Inhalation (b)			Volatilization to Outdoor Air (c)	Leaching to Groundwater (d)		DU5-0.0-0.5	DU5-0.5-1.0	DU5-1.0-1.5
	RES.	C. W.	E. W.	RES.	RES.		Composite soil samples of subsamples collected from test pits TP17 through TP20		
							0.0-0.5 ft bgs	0.5-1.0 ft bgs	1.0-1.5 ft bgs
							04/09/25	04/09/25	04/09/25
Chlorinated Herbicides (mg/kg)									
USEPA 8321B									
2,4-DB	NE	NE	NE	NE	NE	25	0.0100U, H, H3	0.0100U, H, H3	0.0100U, H, H3
2,4-D	630	2,700	74,000	NV	2.3	2.3	0.0050U, H, H3	0.0052U, H, H3	0.0050U, H, H3
MCPA	32	130	3,700	NV	0.097	0.097	0.0050U, H, H3	0.0052U, H, H3	0.0050U, H, H3
2,4,5-T	NE	NE	NE	NE	NE	4.1	0.0050U, H, H3	0.0052U, H, H3	0.0050U, H, H3
2,4,5-TP (Silvex)	NE	NE	NE	NE	NE	3.7	0.0050U, H, H3	0.0052U, H, H3	0.0050U, H, H3
MCCP	NE	NE	NE	NE	NE	NE	0.0050U, H, H3	0.0052U, H, H3	0.0050U, H, H3
Dicamba	NE	NE	NE	NE	NE	9	0.0050U, H, H3	0.0052U, H, H3	0.0050U, H, H3
Dichloroprop	NE	NE	NE	NE	NE	NE	0.0050U, H, H3	0.0052U, H, H3	0.0050U, H, H3
Dalapon	NE	NE	NE	NE	NE	7.2	0.0100U, H, H3	0.0100U, H, H3	0.0100U, H, H3
Dinoseb	NE	NE	NE	NE	NE	7.8	0.0100U, H, H3	0.0100U, H, H3	0.0100U, H, H3

See notes on next page.

Table 4. Soil Samples Analytical Results - Chlorinated Herbicides
Phase II Environmental Site Assessment - Skyview Estates Development Project: 4692 Crater Lake Ave., Medford, Oregon

Notes:

Data Qualifiers:

H - Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

H3 - Sample was received and analyzed past holding time. This does not meet regulatory requirements.

U - The analyte was analyzed for, but was not detected above the analytical laboratory's method reporting limit.

Footnotes:

(a) Risk-Based Concentrations are referenced from the July 2023 update to the DEQ's Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites guidance document dated September 2003.

(b) This pathway is applicable anytime someone is likely to come into contact with contaminated soil. For the occupational scenario, exposure to contaminated soils should be considered for all contaminants found in the top three feet of soil.

(c) This pathway is applicable whenever vadose zone soils are contaminated with volatile compounds.

(e) This pathway is applicable whenever vadose zone contamination is found overlying an aquifer that is currently used or is reasonably likely to be used in the future for drinking water.

(f) Clean Fill Values are referenced from the DEQ's Clean Fill Determinations Internal Management Directive document dated February 2019.

Symbols/Acronyms:

bgs - below ground surface

C.W. - construction worker receptor

>Csat - The soil RBC exceeds the limit of three-phase equilibrium partitioning. Soil concentrations in excess of this value indicate free product might be present.

DEQ - Department of Environmental Quality

E.W. - excavation worker receptor

ft - feet

>Max - The constituent RBC for this pathway is greater than 1,000,000 mg/Kg or 1,000,000 mg/L. Therefore, these substances are not expected to pose risks in the scenario shown.

mg/kg - milligrams per kilogram

NA - Sample was not analyzed for this analyte.

NE - No RBC levels are established for this chemical.

RBC - risk-based concentration

RES. - residential receptors

USEPA - United States Environmental Protection Agency

2,4-DB = 4-(2,4-dichlorophenoxy)butyric acid

2,4-D = 2,4-Dichlorophenoxyacetic acid

MCPA = 2-Methyl-4-chlorophenoxyacetic acid

2,4,5-T = 2,4,5-Trichlorophenoxyacetic acid

2,4,5-TP = 2-(2,4,5-trichlorophenoxy)propionic acid

MCPP = Methylchlorophenoxypropionic acid

APPENDIX 1

Photographic Documentation



1. Test Pit TP1.



4. Test Pit TP2



2. Test Pit TP1.



5. Test Pit TP3.



3. Test Pit TP2.



6. Test Pit TP3



7. Test Pit TP4.



10. Test Pit TP5.



8. Test Pit TP4.



11. Test Pit TP6.



9. Test Pit TP5.



12. Test Pit TP6.



13. Test Pit TP7.



16. Test Pit TP8.



14. Test Pit TP7.



17. Test Pit TP9.



15. Test Pit TP8.



18. Test Pit TP9.



19. Test Pit TP10.



22. Test Pit TP11.



20. Test Pit TP10.



23. Test Pit TP12.



21. Test Pit TP11.



24. Test Pit TP12.



25. Test Pit TP13.



28. Test Pit TP14.



26. Test Pit TP13.



29. Test Pit TP15.



27. Test Pit TP14.



30. Test Pit TP15.



31. Test Pit TP16.



34. Test Pit TP17.



32. Test Pit TP16.



35. Test Pit TP18.



33. Test Pit TP17.



36. Test Pit TP18.



37. Test Pit TP19.



40. Test Pit TP20.



38. Test Pit TP19.



39. Test Pit TP20.

APPENDIX 2

Complete Laboratory Results



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Thursday, May 8, 2025

Jonathan Williams
Alpine Environmental Consultants
12210 Antioch Road
White City, OR 97503

RE: A5D1456 - Skyview Estates - AEC2025-09

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A5D1456, which was received by the laboratory on 4/15/2025 at 12:00:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: dthomas@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Table with 2 columns: Cooler #, Temperature (degC). Row 1: Cooler #1, 4.9 degC. Row 2: Cooler #2, 0.6 degC. Row 3: Cooler #3, 4.6 degC. Includes header 'Cooler Receipt Information' and a note about acceptable receipt temperature.

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report. All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

Handwritten signature of Darwin Thomas

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

<u>Alpine Environmental Consultants</u> 12210 Antioch Road White City, OR 97503	Project: <u>Skyview Estates</u> Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DU1-0.0-0.5	A5D1456-01	Soil	04/09/25 14:30	04/15/25 12:00
DU1-0.0-0.5	A5D1456-02	Soil	04/09/25 14:30	04/15/25 12:00
DU1-0.5-1.0	A5D1456-03	Soil	04/09/25 14:35	04/15/25 12:00
DU1-0.5-1.0	A5D1456-04	Soil	04/09/25 14:35	04/15/25 12:00
DU1-1.0-1.5	A5D1456-05	Soil	04/09/25 14:40	04/15/25 12:00
DU1-1.0-1.5	A5D1456-06	Soil	04/09/25 14:40	04/15/25 12:00
DU2-0.0-0.5	A5D1456-09	Soil	04/09/25 09:45	04/15/25 12:00
DU2-0.0-0.5	A5D1456-10	Soil	04/09/25 09:45	04/15/25 12:00
DU2-0.5-1.0	A5D1456-11	Soil	04/09/25 09:55	04/15/25 12:00
DU2-0.5-1.0	A5D1456-12	Soil	04/09/25 09:55	04/15/25 12:00
DU2-1.0-1.5	A5D1456-13	Soil	04/09/25 10:00	04/15/25 12:00
DU2-1.0-1.5	A5D1456-14	Soil	04/09/25 10:00	04/15/25 12:00
DU3-0.0-0.5	A5D1456-17	Soil	04/09/25 10:30	04/15/25 12:00
DU3-0.0-0.5	A5D1456-18	Soil	04/09/25 10:30	04/15/25 12:00
DU3-0.5-1.0	A5D1456-19	Soil	04/09/25 10:35	04/15/25 12:00
DU3-0.5-1.0	A5D1456-20	Soil	04/09/25 10:35	04/15/25 12:00
DU3-1.0-1.5	A5D1456-21	Soil	04/09/25 10:40	04/15/25 12:00
DU3-1.0-1.5	A5D1456-22	Soil	04/09/25 10:40	04/15/25 12:00
DU4-0.0-0.5	A5D1456-25	Soil	04/09/25 13:00	04/15/25 12:00
DU4-0.0-0.5	A5D1456-26	Soil	04/09/25 13:00	04/15/25 12:00
DU4-0.5-1.0	A5D1456-27	Soil	04/09/25 13:05	04/15/25 12:00
DU4-0.5-1.0	A5D1456-28	Soil	04/09/25 13:05	04/15/25 12:00
DU4-1.0-1.5	A5D1456-29	Soil	04/09/25 13:10	04/15/25 12:00
DU4-1.0-1.5	A5D1456-30	Soil	04/09/25 13:10	04/15/25 12:00
DU5-0.0-0.5	A5D1456-33	Soil	04/09/25 12:30	04/15/25 12:00
DU5-0.0-0.5	A5D1456-34	Soil	04/09/25 12:30	04/15/25 12:00
DU5-0.5-1.0	A5D1456-35	Soil	04/09/25 12:35	04/15/25 12:00
DU5-0.5-1.0	A5D1456-36	Soil	04/09/25 12:35	04/15/25 12:00
DU5-1.0-1.5	A5D1456-37	Soil	04/09/25 12:40	04/15/25 12:00
DU5-1.0-1.5	A5D1456-38	Soil	04/09/25 12:40	04/15/25 12:00

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU1-0.0-0.5 (A5D1456-02RE2)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Aldrin	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
alpha-BHC	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
beta-BHC	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
delta-BHC	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
gamma-BHC (Lindane)	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
cis-Chlordane	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
trans-Chlordane	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
4,4'-DDD	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
4,4'-DDE	372	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
4,4'-DDT	41.3	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	Q-42
Dieldrin	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
Endosulfan I	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
Endosulfan II	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
Endosulfan sulfate	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
Endrin	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
Endrin aldehyde	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
Endrin ketone	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
Heptachlor	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
Heptachlor epoxide	ND	---	8.84	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
Methoxychlor	ND	---	26.5	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
Chlordane (Technical)	ND	---	265	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
Toxaphene (Total)	ND	---	265	ug/kg dry	5	04/30/25 14:56	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 105 %</i>		<i>Limits: 42-129 %</i>	5	04/30/25 14:56	EPA 8081B	
<i>Decachlorobiphenyl (Surr)</i>		<i>119 %</i>		<i>55-130 %</i>	5	04/30/25 14:56	EPA 8081B	

DU1-0.5-1.0 (A5D1456-04RE4)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Aldrin	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
alpha-BHC	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
beta-BHC	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
delta-BHC	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
gamma-BHC (Lindane)	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
cis-Chlordane	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
trans-Chlordane	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU1-0.5-1.0 (A5D1456-04RE4)				Matrix: Soil		Batch: 25D1021		C-05, PRO
4,4'-DDD	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
4,4'-DDE	1070	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
4,4'-DDT	336	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
Dieldrin	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
Endosulfan I	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
Endosulfan II	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
Endosulfan sulfate	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
Endrin	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
Endrin aldehyde	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
Endrin ketone	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
Heptachlor	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
Heptachlor epoxide	ND	---	17.7	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
Methoxychlor	ND	---	53.1	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
Chlordane (Technical)	ND	---	531	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
Toxaphene (Total)	ND	---	531	ug/kg dry	10	05/01/25 18:53	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 112 %</i>		<i>Limits: 42-129 %</i>		<i>10</i>	<i>05/01/25 18:53</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>145 %</i>		<i>55-130 %</i>		<i>10</i>	<i>05/01/25 18:53</i>	<i>EPA 8081B</i>

DU1-1.0-1.5 (A5D1456-06RE2)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Aldrin	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
alpha-BHC	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
beta-BHC	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
delta-BHC	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
gamma-BHC (Lindane)	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
cis-Chlordane	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
trans-Chlordane	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
4,4'-DDD	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
4,4'-DDE	29.7	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
4,4'-DDT	9.09	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
Dieldrin	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
Endosulfan I	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
Endosulfan II	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
Endosulfan sulfate	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
---	---	---

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU1-1.0-1.5 (A5D1456-06RE2)			Matrix: Soil		Batch: 25D1021		C-05, PRO	
Endrin	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
Endrin aldehyde	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
Endrin ketone	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
Heptachlor	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
Heptachlor epoxide	ND	---	1.73	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
Methoxychlor	ND	---	5.19	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
Chlordane (Technical)	ND	---	51.9	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
Toxaphene (Total)	ND	---	51.9	ug/kg dry	1	04/30/25 15:45	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 101 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>04/30/25 15:45</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>111 %</i>		<i>55-130 %</i>		<i>1</i>	<i>04/30/25 15:45</i>	<i>EPA 8081B</i>
DU2-0.0-0.5 (A5D1456-10RE2)			Matrix: Soil		Batch: 25D1021		C-05, PRO	
Aldrin	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
alpha-BHC	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
beta-BHC	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
delta-BHC	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
gamma-BHC (Lindane)	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
cis-Chlordane	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
trans-Chlordane	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
4,4'-DDD	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
4,4'-DDE	1040	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
4,4'-DDT	236	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
Dieldrin	50.4	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
Endosulfan I	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
Endosulfan II	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
Endosulfan sulfate	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
Endrin	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
Endrin aldehyde	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
Endrin ketone	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
Heptachlor	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
Heptachlor epoxide	ND	---	17.4	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
Methoxychlor	ND	---	52.1	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
Chlordane (Technical)	ND	---	521	ug/kg dry	10	04/30/25 16:01	EPA 8081B	

Apex Laboratories

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
---	---	---

ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU2-0.0-0.5 (A5D1456-10RE2)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Toxaphene (Total)	ND	---	521	ug/kg dry	10	04/30/25 16:01	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 110 %</i>		<i>Limits: 42-129 %</i>		<i>10</i>	<i>04/30/25 16:01</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>128 %</i>		<i>55-130 %</i>		<i>10</i>	<i>04/30/25 16:01</i>	<i>EPA 8081B</i>
DU2-0.5-1.0 (A5D1456-12RE2)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Aldrin	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
alpha-BHC	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
beta-BHC	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
delta-BHC	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
gamma-BHC (Lindane)	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
cis-Chlordane	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
trans-Chlordane	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
4,4'-DDD	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
4,4'-DDE	30.1	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
4,4'-DDT	12.1	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
Dieldrin	2.85	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
Endosulfan I	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
Endosulfan II	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
Endosulfan sulfate	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
Endrin	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
Endrin aldehyde	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
Endrin ketone	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
Heptachlor	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
Heptachlor epoxide	ND	---	1.80	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
Methoxychlor	ND	---	5.40	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
Chlordane (Technical)	ND	---	54.0	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
Toxaphene (Total)	ND	---	54.0	ug/kg dry	1	04/30/25 16:17	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 125 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>04/30/25 16:17</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>129 %</i>		<i>55-130 %</i>		<i>1</i>	<i>04/30/25 16:17</i>	<i>EPA 8081B</i>
DU2-1.0-1.5 (A5D1456-14RE2)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Aldrin	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
alpha-BHC	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
beta-BHC	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU2-1.0-1.5 (A5D1456-14RE2)				Matrix: Soil		Batch: 25D1021		C-05, PRO
delta-BHC	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
gamma-BHC (Lindane)	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
cis-Chlordane	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
trans-Chlordane	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
4,4'-DDD	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
4,4'-DDE	4.05	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
4,4'-DDT	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
Dieldrin	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
Endosulfan I	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
Endosulfan II	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
Endosulfan sulfate	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
Endrin	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
Endrin aldehyde	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
Endrin ketone	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
Heptachlor	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
Heptachlor epoxide	ND	---	1.82	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
Methoxychlor	ND	---	5.45	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
Chlordane (Technical)	ND	---	54.5	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
Toxaphene (Total)	ND	---	54.5	ug/kg dry	1	04/30/25 17:38	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 117 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>04/30/25 17:38</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>127 %</i>		<i>55-130 %</i>		<i>1</i>	<i>04/30/25 17:38</i>	<i>EPA 8081B</i>

DU3-0.0-0.5 (A5D1456-18RE2)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Aldrin	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
alpha-BHC	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
beta-BHC	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
delta-BHC	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
gamma-BHC (Lindane)	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
cis-Chlordane	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
trans-Chlordane	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
4,4'-DDD	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
4,4'-DDE	1550	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
4,4'-DDT	324	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU3-0.0-0.5 (A5D1456-18RE2)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Dieldrin	64.0	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
Endosulfan I	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
Endosulfan II	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
Endosulfan sulfate	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
Endrin	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
Endrin aldehyde	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
Endrin ketone	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
Heptachlor	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
Heptachlor epoxide	ND	---	17.8	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
Methoxychlor	ND	---	53.4	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
Chlordane (Technical)	ND	---	534	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
Toxaphene (Total)	ND	---	534	ug/kg dry	10	04/30/25 17:54	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 91 %</i>		<i>Limits: 42-129 %</i>		<i>10</i>	<i>04/30/25 17:54</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>109 %</i>		<i>55-130 %</i>		<i>10</i>	<i>04/30/25 17:54</i>	<i>EPA 8081B</i>

DU3-0.5-1.0 (A5D1456-20RE4)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Aldrin	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
alpha-BHC	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
beta-BHC	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
delta-BHC	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
gamma-BHC (Lindane)	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
cis-Chlordane	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
trans-Chlordane	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
4,4'-DDD	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
4,4'-DDE	716	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
4,4'-DDT	173	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
Dieldrin	34.2	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
Endosulfan I	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
Endosulfan II	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
Endosulfan sulfate	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
Endrin	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
Endrin aldehyde	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
Endrin ketone	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	

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ANALYTICAL REPORT

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503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU3-0.5-1.0 (A5D1456-20RE4)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Heptachlor	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
Heptachlor epoxide	ND	---	18.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
Methoxychlor	ND	---	55.5	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
Chlordane (Technical)	ND	---	555	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
Toxaphene (Total)	ND	---	555	ug/kg dry	10	05/01/25 19:09	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 105 %</i>		<i>Limits: 42-129 %</i>		<i>10</i>	<i>05/01/25 19:09</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>130 %</i>		<i>55-130 %</i>		<i>10</i>	<i>05/01/25 19:09</i>	<i>EPA 8081B</i>
DU3-1.0-1.5 (A5D1456-22RE1)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Aldrin	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
alpha-BHC	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
beta-BHC	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
delta-BHC	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
gamma-BHC (Lindane)	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
cis-Chlordane	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
trans-Chlordane	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
4,4'-DDD	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
4,4'-DDE	552	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
4,4'-DDT	120	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
Dieldrin	22.2	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
Endosulfan I	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
Endosulfan II	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
Endosulfan sulfate	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
Endrin	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
Endrin aldehyde	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
Endrin ketone	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
Heptachlor	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
Heptachlor epoxide	ND	---	9.26	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
Methoxychlor	ND	---	27.8	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
Chlordane (Technical)	ND	---	278	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
Toxaphene (Total)	ND	---	278	ug/kg dry	5	04/30/25 18:27	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 96 %</i>		<i>Limits: 42-129 %</i>		<i>5</i>	<i>04/30/25 18:27</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>115 %</i>		<i>55-130 %</i>		<i>5</i>	<i>04/30/25 18:27</i>	<i>EPA 8081B</i>

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU4-0.0-0.5 (A5D1456-26RE2)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Aldrin	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
alpha-BHC	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
beta-BHC	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
delta-BHC	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
gamma-BHC (Lindane)	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
cis-Chlordane	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
trans-Chlordane	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
4,4'-DDD	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
4,4'-DDE	2.50	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
4,4'-DDT	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
Dieldrin	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
Endosulfan I	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
Endosulfan II	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
Endosulfan sulfate	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
Endrin	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
Endrin aldehyde	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
Endrin ketone	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
Heptachlor	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
Heptachlor epoxide	ND	---	1.76	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
Methoxychlor	ND	---	52.9	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
Chlordane (Technical)	ND	---	52.9	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
Toxaphene (Total)	ND	---	52.9	ug/kg dry	1	05/01/25 17:48	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 92 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>05/01/25 17:48</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>111 %</i>		<i>55-130 %</i>		<i>1</i>	<i>05/01/25 17:48</i>	<i>EPA 8081B</i>

DU4-0.5-1.0 (A5D1456-28RE2)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Aldrin	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
alpha-BHC	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
beta-BHC	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
delta-BHC	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
gamma-BHC (Lindane)	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
cis-Chlordane	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
trans-Chlordane	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	

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ANALYTICAL REPORT

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ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU4-0.5-1.0 (A5D1456-28RE2)			Matrix: Soil		Batch: 25D1021		C-05, PRO	
4,4'-DDD	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
4,4'-DDE	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
4,4'-DDT	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
Dieldrin	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
Endosulfan I	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
Endosulfan II	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
Endosulfan sulfate	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
Endrin	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
Endrin aldehyde	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
Endrin ketone	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
Heptachlor	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
Heptachlor epoxide	ND	---	1.75	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
Methoxychlor	ND	---	5.24	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
Chlordane (Technical)	ND	---	52.4	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
Toxaphene (Total)	ND	---	52.4	ug/kg dry	1	05/01/25 18:04	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 86 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>05/01/25 18:04</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>106 %</i>		<i>55-130 %</i>		<i>1</i>	<i>05/01/25 18:04</i>	<i>EPA 8081B</i>

DU4-1.0-1.5 (A5D1456-30RE2)			Matrix: Soil		Batch: 25D1021		C-05, PRO	
Aldrin	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
alpha-BHC	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
beta-BHC	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
delta-BHC	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
gamma-BHC (Lindane)	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
cis-Chlordane	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
trans-Chlordane	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
4,4'-DDD	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
4,4'-DDE	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
4,4'-DDT	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
Dieldrin	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
Endosulfan I	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
Endosulfan II	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
Endosulfan sulfate	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU4-1.0-1.5 (A5D1456-30RE2)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Endrin	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
Endrin aldehyde	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
Endrin ketone	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
Heptachlor	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
Heptachlor epoxide	ND	---	1.74	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
Methoxychlor	ND	---	5.23	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
Chlordane (Technical)	ND	---	52.3	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
Toxaphene (Total)	ND	---	52.3	ug/kg dry	1	05/01/25 18:20	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 105 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>05/01/25 18:20</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>114 %</i>		<i>55-130 %</i>		<i>1</i>	<i>05/01/25 18:20</i>	<i>EPA 8081B</i>

DU5-0.0-0.5 (A5D1456-34RE2)				Matrix: Soil		Batch: 25D1021		PRO, C-05
Aldrin	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
alpha-BHC	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
beta-BHC	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
delta-BHC	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
gamma-BHC (Lindane)	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
cis-Chlordane	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
trans-Chlordane	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
4,4'-DDD	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
4,4'-DDE	4.68	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
4,4'-DDT	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
Dieldrin	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
Endosulfan I	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
Endosulfan II	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
Endosulfan sulfate	1.79	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
Endrin	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
Endrin aldehyde	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
Endrin ketone	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
Heptachlor	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
Heptachlor epoxide	ND	---	1.77	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
Methoxychlor	ND	---	5.30	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
Chlordane (Technical)	ND	---	53.0	ug/kg dry	1	05/01/25 18:37	EPA 8081B	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU5-0.0-0.5 (A5D1456-34RE2)				Matrix: Soil		Batch: 25D1021		PRO, C-05
Toxaphene (Total)	ND	---	53.0	ug/kg dry	1	05/01/25 18:37	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>			<i>Recovery: 87 %</i>	<i>Limits: 42-129 %</i>	<i>1</i>	<i>05/01/25 18:37</i>	<i>EPA 8081B</i>	
<i>Decachlorobiphenyl (Surr)</i>			<i>99 %</i>	<i>55-130 %</i>	<i>1</i>	<i>05/01/25 18:37</i>	<i>EPA 8081B</i>	
DU5-0.5-1.0 (A5D1456-36RE2)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Aldrin	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
alpha-BHC	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
beta-BHC	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
delta-BHC	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
gamma-BHC (Lindane)	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
cis-Chlordane	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
trans-Chlordane	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
4,4'-DDD	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
4,4'-DDE	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
4,4'-DDT	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
Dieldrin	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
Endosulfan I	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
Endosulfan II	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
Endosulfan sulfate	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
Endrin	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
Endrin aldehyde	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
Endrin ketone	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
Heptachlor	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
Heptachlor epoxide	ND	---	1.71	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
Methoxychlor	ND	---	5.14	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
Chlordane (Technical)	ND	---	51.4	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
Toxaphene (Total)	ND	---	51.4	ug/kg dry	1	05/02/25 13:55	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>			<i>Recovery: 109 %</i>	<i>Limits: 42-129 %</i>	<i>1</i>	<i>05/02/25 13:55</i>	<i>EPA 8081B</i>	
<i>Decachlorobiphenyl (Surr)</i>			<i>118 %</i>	<i>55-130 %</i>	<i>1</i>	<i>05/02/25 13:55</i>	<i>EPA 8081B</i>	
DU5-1.0-1.5 (A5D1456-38RE1)				Matrix: Soil		Batch: 25D1021		C-05, PRO
Aldrin	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
alpha-BHC	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
beta-BHC	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU5-1.0-1.5 (A5D1456-38RE1)				Matrix: Soil		Batch: 25D1021		C-05, PRO
delta-BHC	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
gamma-BHC (Lindane)	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
cis-Chlordane	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
trans-Chlordane	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
4,4'-DDD	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
4,4'-DDE	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
4,4'-DDT	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
Dieldrin	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
Endosulfan I	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
Endosulfan II	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
Endosulfan sulfate	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
Endrin	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
Endrin aldehyde	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
Endrin ketone	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
Heptachlor	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
Heptachlor epoxide	ND	---	1.84	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
Methoxychlor	ND	---	5.53	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
Chlordane (Technical)	ND	---	55.3	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
Toxaphene (Total)	ND	---	55.3	ug/kg dry	1	04/30/25 16:33	EPA 8081B	
<i>Surrogate: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 116 %</i>		<i>Limits: 42-129 %</i>		<i>1</i>	<i>04/30/25 16:33</i>	<i>EPA 8081B</i>
<i>Decachlorobiphenyl (Surr)</i>		<i>132 %</i>		<i>55-130 %</i>		<i>1</i>	<i>04/30/25 16:33</i>	<i>EPA 8081B</i>

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

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ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU1-0.0-0.5 (A5D1456-02)				Matrix: Soil		Batch: 25D0927		PRO
Azinphos methyl (Guthion)	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Chlorpyrifos	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Coumaphos	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Demeton O	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Demeton S	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Diazinon	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Dichlorvos	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Dimethoate	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Disulfoton	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
EPN	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Ethoprop	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Fensulfothion	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Fenthion	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Malathion	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Merphos	ND	---	52.0	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	R-02
Methyl parathion	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Mevinphos (Phosdrin)	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Monocrotophos	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Naled (Dibrom)	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Parathion, ethyl	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Phorate	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Ronnel (Fenchlorphos)	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Sulfotep	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Sulprofos (Bolstar)	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
TEPP	ND	---	176	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Tetrachlorvinphos (Rabon)	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Tokuthion (Prothiofos)	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
Trichloronate	ND	---	44.1	ug/kg dry	1	04/23/25 18:12	EPA 8270E OPPs	
<i>Surrogate: Tributyl phosphate (Surr)</i>		<i>Recovery: 18 %</i>		<i>Limits: 10-136 %</i>		<i>1</i>	<i>04/23/25 18:12</i>	<i>EPA 8270E OPPs</i>
<i>Triphenyl phosphate (Surr)</i>		<i>52 %</i>		<i>34-121 %</i>		<i>1</i>	<i>04/23/25 18:12</i>	<i>EPA 8270E OPPs</i>

DU1-0.5-1.0 (A5D1456-04)				Matrix: Soil		Batch: 25D0927		PRO
Azinphos methyl (Guthion)	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	

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Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU1-0.5-1.0 (A5D1456-04)				Matrix: Soil		Batch: 25D0927		PRO
Chlorpyrifos	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Coumaphos	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Demeton O	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Demeton S	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Diazinon	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Dichlorvos	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Dimethoate	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Disulfoton	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
EPN	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Ethoprop	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Fensulfothion	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Fenthion	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Malathion	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Merphos	ND	---	86.8	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	R-02
Methyl parathion	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Mevinphos (Phosdrin)	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Monocrotophos	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Naled (Dibrom)	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Parathion, ethyl	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Phorate	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Ronnel (Fenclorphos)	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Sulfotep	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Sulprofos (Bolstar)	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
TEPP	ND	---	179	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Tetrachlorvinphos (Rabon)	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Tokuthion (Prothiofos)	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
Trichloronate	ND	---	44.7	ug/kg dry	1	04/23/25 18:49	EPA 8270E OPPs	
<i>Surrogate: Tributyl phosphate (Surr)</i>		<i>Recovery: 21 %</i>		<i>Limits: 10-136 %</i>		<i>1</i>	<i>04/23/25 18:49</i>	<i>EPA 8270E OPPs</i>
<i>Triphenyl phosphate (Surr)</i>		<i>61 %</i>		<i>34-121 %</i>		<i>1</i>	<i>04/23/25 18:49</i>	<i>EPA 8270E OPPs</i>

DU1-1.0-1.5 (A5D1456-06)				Matrix: Soil		Batch: 25D0927		PRO
Azinphos methyl (Guthion)	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Chlorpyrifos	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU1-1.0-1.5 (A5D1456-06)				Matrix: Soil		Batch: 25D0927		PRO
Coumaphos	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Demeton O	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Demeton S	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Diazinon	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Dichlorvos	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Dimethoate	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Disulfoton	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
EPN	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Ethoprop	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Fensulfothion	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Fenthion	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Malathion	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Merphos	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Methyl parathion	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Mevinphos (Phosdrin)	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Monocrotophos	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Naled (Dibrom)	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Parathion, ethyl	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Phorate	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Ronnel (Fenclorphos)	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Sulfotep	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Sulprofos (Bolstar)	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
TEPP	ND	---	176	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Tetrachlorvinphos (Rabon)	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Tokuthion (Prothiofos)	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
Trichloronate	ND	---	44.1	ug/kg dry	1	04/23/25 19:25	EPA 8270E OPPs	
<i>Surrogate: Tributyl phosphate (Surr)</i>			<i>Recovery: 21 %</i>	<i>Limits: 10-136 %</i>	<i>1</i>	<i>04/23/25 19:25</i>	<i>EPA 8270E OPPs</i>	
<i>Triphenyl phosphate (Surr)</i>			<i>42 %</i>	<i>34-121 %</i>	<i>1</i>	<i>04/23/25 19:25</i>	<i>EPA 8270E OPPs</i>	

DU2-0.0-0.5 (A5D1456-10)				Matrix: Soil		Batch: 25D0927		PRO
Azinphos methyl (Guthion)	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Chlorpyrifos	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Coumaphos	ND	---	49.3	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	R-02

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ANALYTICAL REPORT

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503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU2-0.0-0.5 (A5D1456-10)				Matrix: Soil		Batch: 25D0927		PRO
Demeton O	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Demeton S	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Diazinon	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Dichlorvos	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Dimethoate	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Disulfoton	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
EPN	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Ethoprop	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Fensulfothion	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Fenthion	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Malathion	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Merphos	ND	---	95.9	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	R-02
Methyl parathion	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Mevinphos (Phosdrin)	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Monocrotophos	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Naled (Dibrom)	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Parathion, ethyl	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Phorate	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Ronnel (Fenclorpos)	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Sulfotep	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Sulprofos (Bolstar)	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
TEPP	ND	---	183	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Tetrachlorvinphos (Rabon)	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Tokuthion (Prothiofos)	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
Trichloronate	ND	---	45.7	ug/kg dry	1	04/23/25 20:01	EPA 8270E OPPs	
<i>Surrogate: Tributyl phosphate (Surr)</i>		<i>Recovery: 24 %</i>		<i>Limits: 10-136 %</i>	<i>1</i>	<i>04/23/25 20:01</i>	<i>EPA 8270E OPPs</i>	
<i>Triphenyl phosphate (Surr)</i>		<i>65 %</i>		<i>34-121 %</i>	<i>1</i>	<i>04/23/25 20:01</i>	<i>EPA 8270E OPPs</i>	

DU2-0.5-1.0 (A5D1456-12)				Matrix: Soil		Batch: 25D0927		PRO
Azinphos methyl (Guthion)	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Chlorpyrifos	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Coumaphos	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Demeton O	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	

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ANALYTICAL REPORT

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ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU2-0.5-1.0 (A5D1456-12)				Matrix: Soil		Batch: 25D0927		PRO
Demeton S	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Diazinon	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Dichlorvos	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Dimethoate	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Disulfoton	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
EPN	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Ethoprop	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Fensulfothion	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Fenthion	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Malathion	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Merphos	ND	---	88.9	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	R-02
Methyl parathion	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Mevinphos (Phosdrin)	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Monocrotophos	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Naled (Dibrom)	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Parathion, ethyl	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Phorate	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Ronnel (Fenclorpos)	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Sulfotep	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Sulprofos (Bolstar)	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
TEPP	ND	---	183	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Tetrachlorvinphos (Rabon)	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Tokuthion (Prothiofos)	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
Trichloronate	ND	---	45.8	ug/kg dry	1	04/23/25 20:37	EPA 8270E OPPs	
<i>Surrogate: Tributyl phosphate (Surr)</i>		<i>Recovery: 23 %</i>		<i>Limits: 10-136 %</i>	<i>1</i>	<i>04/23/25 20:37</i>	<i>EPA 8270E OPPs</i>	
<i>Triphenyl phosphate (Surr)</i>		<i>57 %</i>		<i>34-121 %</i>	<i>1</i>	<i>04/23/25 20:37</i>	<i>EPA 8270E OPPs</i>	

DU2-1.0-1.5 (A5D1456-14)				Matrix: Soil		Batch: 25D0927		PRO
Azinphos methyl (Guthion)	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Chlorpyrifos	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Coumaphos	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Demeton O	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Demeton S	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	

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ANALYTICAL REPORT

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503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU2-1.0-1.5 (A5D1456-14)				Matrix: Soil		Batch: 25D0927		PRO
Diazinon	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Dichlorvos	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Dimethoate	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Disulfoton	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
EPN	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Ethoprop	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Fensulfothion	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Fenthion	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Malathion	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Merphos	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Methyl parathion	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Mevinphos (Phosdrin)	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Monocrotophos	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Naled (Dibrom)	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Parathion, ethyl	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Phorate	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Ronnel (Fenclorpos)	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Sulfotep	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Sulprofos (Bolstar)	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
TEPP	ND	---	178	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Tetrachlorvinphos (Rabon)	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Tokuthion (Prothiofos)	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
Trichloronate	ND	---	44.5	ug/kg dry	1	04/23/25 21:13	EPA 8270E OPPs	
<i>Surrogate: Tributyl phosphate (Surr)</i>		<i>Recovery: 23 %</i>		<i>Limits: 10-136 %</i>		<i>1</i>	<i>04/23/25 21:13</i>	<i>EPA 8270E OPPs</i>
<i>Triphenyl phosphate (Surr)</i>		<i>48 %</i>		<i>34-121 %</i>		<i>1</i>	<i>04/23/25 21:13</i>	<i>EPA 8270E OPPs</i>

DU3-0.0-0.5 (A5D1456-18)				Matrix: Soil		Batch: 25D0927		PRO
Azinphos methyl (Guthion)	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Chlorpyrifos	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Coumaphos	ND	---	62.6	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	R-02
Demeton O	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Demeton S	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Diazinon	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	

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ANALYTICAL REPORT

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Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU3-0.0-0.5 (A5D1456-18)				Matrix: Soil		Batch: 25D0927		PRO
Dichlorvos	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Dimethoate	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Disulfoton	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
EPN	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Ethoprop	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Fensulfthion	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Fenthion	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Malathion	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Merphos	ND	---	462	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	R-02
Methyl parathion	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Mevinphos (Phosdrin)	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Monocrotophos	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Naled (Dibrom)	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Parathion, ethyl	ND	---	49.9	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	R-02
Phorate	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Ronnel (Fenclorpos)	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Sulfotep	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Sulprofos (Bolstar)	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
TEPP	ND	---	181	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Tetrachlorvinphos (Rabon)	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Tokuthion (Prothiofos)	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
Trichloronate	ND	---	45.3	ug/kg dry	1	04/23/25 21:49	EPA 8270E OPPs	
<i>Surrogate: Tributyl phosphate (Surr)</i>		<i>Recovery: 23 %</i>		<i>Limits: 10-136 %</i>		<i>1</i>	<i>04/23/25 21:49</i>	<i>EPA 8270E OPPs</i>
<i>Triphenyl phosphate (Surr)</i>		<i>51 %</i>		<i>34-121 %</i>		<i>1</i>	<i>04/23/25 21:49</i>	<i>EPA 8270E OPPs</i>

DU3-0.5-1.0 (A5D1456-20)				Matrix: Soil		Batch: 25D0927		PRO
Azinphos methyl (Guthion)	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Chlorpyrifos	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Coumaphos	ND	---	48.8	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	R-02
Demeton O	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Demeton S	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Diazinon	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Dichlorvos	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU3-0.5-1.0 (A5D1456-20)				Matrix: Soil		Batch: 25D0927		PRO
Dimethoate	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Disulfoton	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
EPN	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Ethoprop	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Fensulfothion	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Fenthion	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Malathion	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Merphos	ND	---	267	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	R-02
Methyl parathion	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Mevinphos (Phosdrin)	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Monocrotophos	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Naled (Dibrom)	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Parathion, ethyl	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Phorate	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Ronnel (Fenclorpos)	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Sulfotep	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Sulprofos (Bolstar)	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
TEPP	ND	---	181	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Tetrachlorvinphos (Rabon)	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Tokuthion (Prothiofos)	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
Trichloronate	ND	---	45.2	ug/kg dry	1	04/23/25 22:25	EPA 8270E OPPs	
<i>Surrogate: Tributyl phosphate (Surr)</i>		<i>Recovery: 23 %</i>		<i>Limits: 10-136 %</i>		<i>1</i>	<i>04/23/25 22:25</i>	<i>EPA 8270E OPPs</i>
<i>Triphenyl phosphate (Surr)</i>		<i>47 %</i>		<i>34-121 %</i>		<i>1</i>	<i>04/23/25 22:25</i>	<i>EPA 8270E OPPs</i>

DU3-1.0-1.5 (A5D1456-22)				Matrix: Soil		Batch: 25D0927		PRO
Azinphos methyl (Guthion)	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Chlorpyrifos	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Coumaphos	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Demeton O	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Demeton S	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Diazinon	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Dichlorvos	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Dimethoate	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	

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ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU3-1.0-1.5 (A5D1456-22)				Matrix: Soil		Batch: 25D0927		PRO
Disulfoton	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
EPN	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Ethoprop	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Fensulfothion	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Fenthion	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Malathion	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Merphos	ND	---	118	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	R-02
Methyl parathion	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Mevinphos (Phosdrin)	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Monocrotophos	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Naled (Dibrom)	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Parathion, ethyl	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Phorate	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Ronnel (Fenclorphos)	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Sulfotep	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Sulprofos (Bolstar)	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
TEPP	ND	---	185	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Tetrachlorvinphos (Rabon)	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Tokuthion (Prothiofos)	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
Trichloronate	ND	---	46.3	ug/kg dry	1	04/25/25 16:30	EPA 8270E OPPs	
<i>Surrogate: Tributyl phosphate (Surr)</i>		Recovery: 8 %		Limits: 10-136 %	1	04/25/25 16:30	EPA 8270E OPPs	S-03
<i>Triphenyl phosphate (Surr)</i>		33 %		34-121 %	1	04/25/25 16:30	EPA 8270E OPPs	S-06

DU4-0.0-0.5 (A5D1456-26)				Matrix: Soil		Batch: 25D0927		PRO
Azinphos methyl (Guthion)	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Chlorpyrifos	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Coumaphos	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Demeton O	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Demeton S	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Diazinon	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Dichlorvos	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Dimethoate	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Disulfoton	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	

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ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU4-0.0-0.5 (A5D1456-26)				Matrix: Soil		Batch: 25D0927		PRO
EPN	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Ethoprop	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Fensulfothion	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Fenthion	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Malathion	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Merphos	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Methyl parathion	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Mevinphos (Phosdrin)	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Monocrotophos	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Naled (Dibrom)	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Parathion, ethyl	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Phorate	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Ronnel (Fenclorophos)	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Sulfotep	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Sulprofos (Bolstar)	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
TEPP	ND	---	177	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Tetrachlorvinphos (Rabon)	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Tokuthion (Prothiofos)	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
Trichloronate	ND	---	44.1	ug/kg dry	1	04/25/25 17:06	EPA 8270E OPPs	
<i>Surrogate: Tributyl phosphate (Surr)</i>		<i>Recovery: 11 %</i>		<i>Limits: 10-136 %</i>		<i>1</i>	<i>04/25/25 17:06</i>	<i>EPA 8270E OPPs</i>
<i>Triphenyl phosphate (Surr)</i>		<i>59 %</i>		<i>34-121 %</i>		<i>1</i>	<i>04/25/25 17:06</i>	<i>EPA 8270E OPPs</i>

DU4-0.5-1.0 (A5D1456-28)				Matrix: Soil		Batch: 25D0927		PRO
Azinphos methyl (Guthion)	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Chlorpyrifos	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Coumaphos	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Demeton O	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Demeton S	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Diazinon	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Dichlorvos	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Dimethoate	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Disulfoton	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
EPN	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	

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ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU4-0.5-1.0 (A5D1456-28)				Matrix: Soil		Batch: 25D0927		PRO
Ethoprop	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Fensulfothion	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Fenthion	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Malathion	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Merphos	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Methyl parathion	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Mevinphos (Phosdrin)	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Monocrotophos	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Naled (Dibrom)	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Parathion, ethyl	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Phorate	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Ronnel (Fenclorophos)	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Sulfotep	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Sulprofos (Bolstar)	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
TEPP	ND	---	179	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Tetrachlorvinphos (Rabon)	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Tokuthion (Prothiofos)	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
Trichloronate	ND	---	44.8	ug/kg dry	1	04/25/25 17:42	EPA 8270E OPPs	
<i>Surrogate: Tributyl phosphate (Surr)</i>		<i>Recovery: 10 %</i>		<i>Limits: 10-136 %</i>		<i>1</i>	<i>04/25/25 17:42</i>	<i>EPA 8270E OPPs</i>
<i>Triphenyl phosphate (Surr)</i>		<i>46 %</i>		<i>34-121 %</i>		<i>1</i>	<i>04/25/25 17:42</i>	<i>EPA 8270E OPPs</i>

DU4-1.0-1.5 (A5D1456-30)				Matrix: Soil		Batch: 25D0927		PRO
Azinphos methyl (Guthion)	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Chlorpyrifos	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Coumaphos	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Demeton O	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Demeton S	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Diazinon	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Dichlorvos	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Dimethoate	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Disulfoton	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
EPN	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Ethoprop	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	

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Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU4-1.0-1.5 (A5D1456-30)				Matrix: Soil		Batch: 25D0927		PRO
Fensulfothion	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Fenthion	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Malathion	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Merphos	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Methyl parathion	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Mevinphos (Phosdrin)	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Monocrotophos	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Naled (Dibrom)	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Parathion, ethyl	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Phorate	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Ronnel (Fenclorophos)	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Sulfotep	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Sulprofos (Bolstar)	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
TEPP	ND	---	176	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Tetrachlorvinphos (Rabon)	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Tokuthion (Prothiofos)	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
Trichloronate	ND	---	44.1	ug/kg dry	1	04/25/25 18:18	EPA 8270E OPPs	
<i>Surrogate: Tributyl phosphate (Surr)</i>			<i>Recovery: 11 %</i>	<i>Limits: 10-136 %</i>	<i>1</i>	<i>04/25/25 18:18</i>	<i>EPA 8270E OPPs</i>	
<i>Triphenyl phosphate (Surr)</i>			<i>36 %</i>	<i>34-121 %</i>	<i>1</i>	<i>04/25/25 18:18</i>	<i>EPA 8270E OPPs</i>	

DU5-0.0-0.5 (A5D1456-34)				Matrix: Soil		Batch: 25D0927		PRO
Azinphos methyl (Guthion)	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Chlorpyrifos	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Coumaphos	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Demeton O	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Demeton S	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Diazinon	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Dichlorvos	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Dimethoate	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Disulfoton	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
EPN	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Ethoprop	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Fensulfothion	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
---	---	---

ANALYTICAL SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU5-0.0-0.5 (A5D1456-34)				Matrix: Soil		Batch: 25D0927		PRO
Fenthion	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Malathion	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Merphos	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Methyl parathion	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Mevinphos (Phosdrin)	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Monocrotophos	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Naled (Dibrom)	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Parathion, ethyl	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Phorate	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Ronnel (Fenclorphos)	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Sulfotep	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Sulprofos (Bolstar)	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
TEPP	ND	---	185	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Tetrachlorvinphos (Rabon)	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Tokuthion (Prothiofos)	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
Trichloronate	ND	---	46.2	ug/kg dry	1	04/25/25 18:54	EPA 8270E OPPs	
<i>Surrogate: Tributyl phosphate (Surr)</i>		<i>Recovery: 14 %</i>		<i>Limits: 10-136 %</i>		<i>1</i>	<i>04/25/25 18:54</i>	<i>EPA 8270E OPPs</i>
<i>Triphenyl phosphate (Surr)</i>		<i>63 %</i>		<i>34-121 %</i>		<i>1</i>	<i>04/25/25 18:54</i>	<i>EPA 8270E OPPs</i>

DU5-0.5-1.0 (A5D1456-36)				Matrix: Soil		Batch: 25D0927		PRO
Azinphos methyl (Guthion)	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Chlorpyrifos	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Coumaphos	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Demeton O	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Demeton S	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Diazinon	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Dichlorvos	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Dimethoate	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Disulfoton	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
EPN	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Ethoprop	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Fensulfothion	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Fenthion	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU5-0.5-1.0 (A5D1456-36)				Matrix: Soil		Batch: 25D0927		PRO
Malathion	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Merphos	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Methyl parathion	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Mevinphos (Phosdrin)	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Monocrotophos	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Naled (Dibrom)	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Parathion, ethyl	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Phorate	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Ronnel (Fenchlorphos)	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Sulfotep	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Sulprofos (Bolstar)	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
TEPP	ND	---	172	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Tetrachlorvinphos (Rabon)	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Tokuthion (Prothiofos)	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
Trichloronate	ND	---	43.0	ug/kg dry	1	04/25/25 19:30	EPA 8270E OPPs	
<i>Surrogate: Tributyl phosphate (Surr)</i>		<i>Recovery: 14 %</i>		<i>Limits: 10-136 %</i>		<i>1</i>	<i>04/25/25 19:30</i>	<i>EPA 8270E OPPs</i>
<i>Triphenyl phosphate (Surr)</i>		<i>54 %</i>		<i>34-121 %</i>		<i>1</i>	<i>04/25/25 19:30</i>	<i>EPA 8270E OPPs</i>

DU5-1.0-1.5 (A5D1456-38)				Matrix: Soil		Batch: 25D0927		PRO
Azinphos methyl (Guthion)	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	
Chlorpyrifos	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	
Coumaphos	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	
Demeton O	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	Q-42
Demeton S	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	Q-42
Diazinon	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	Q-42
Dichlorvos	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	Q-42
Dimethoate	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	
Disulfoton	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	
EPN	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	
Ethoprop	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	Q-42
Fensulfothion	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	Q-42
Fenthion	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	
Malathion	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU5-1.0-1.5 (A5D1456-38)				Matrix: Soil		Batch: 25D0927		PRO
Merphos	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	Q-42
Methyl parathion	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	
Mevinphos (Phosdrin)	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	Q-42
Monocrotophos	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	Q-42
Naled (Dibrom)	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	Q-42
Parathion, ethyl	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	
Phorate	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	
Ronnel (Fenchlorphos)	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	
Sulfotep	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	Q-42
Sulprofos (Bolstar)	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	
TEPP	ND	---	179	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	Q-42
Tetrachlorvinphos (Rabon)	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	Q-42
Tokuthion (Prothiofos)	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	
Trichloronate	ND	---	44.9	ug/kg dry	1	04/23/25 14:35	EPA 8270E OPPs	
<i>Surrogate: Tributyl phosphate (Surr)</i>			<i>Recovery: 20 %</i>	<i>Limits: 10-136 %</i>	<i>1</i>	<i>04/23/25 14:35</i>	<i>EPA 8270E OPPs</i>	
<i>Triphenyl phosphate (Surr)</i>			<i>51 %</i>	<i>34-121 %</i>	<i>1</i>	<i>04/23/25 14:35</i>	<i>EPA 8270E OPPs</i>	

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

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503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
---	---	---

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU1-0.0-0.5 (A5D1456-02) Matrix: Soil								
Batch: 25D0933								
Antimony	ND	---	1.11	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Arsenic	16.7	---	1.11	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Barium	140	---	1.11	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Beryllium	0.684	---	0.221	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Cadmium	ND	---	0.221	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Chromium	39.9	---	1.11	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Cobalt	16.8	---	1.11	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Copper	29.6	---	2.21	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Lead	51.6	---	0.221	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Mercury	ND	---	0.0884	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Molybdenum	ND	---	1.11	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Nickel	24.7	---	2.21	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Selenium	ND	---	1.11	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Silver	ND	---	0.221	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Thallium	ND	---	0.221	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Vanadium	73.1	---	2.21	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
Zinc	43.7	---	4.42	mg/kg dry	10	04/23/25 18:26	EPA 6020B	PRO
DU1-0.5-1.0 (A5D1456-04) Matrix: Soil								
Batch: 25D0933								
Antimony	ND	---	1.05	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO
Arsenic	50.4	---	1.05	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO
Barium	135	---	1.05	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO
Beryllium	0.608	---	0.211	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO
Cadmium	ND	---	0.211	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO
Chromium	36.0	---	1.05	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO
Cobalt	17.6	---	1.05	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO
Copper	30.0	---	2.11	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO
Lead	184	---	0.211	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO
Mercury	ND	---	0.0842	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO
Molybdenum	ND	---	1.05	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO
Nickel	24.2	---	2.11	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO
Selenium	ND	---	1.05	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO

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Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
DU1-0.5-1.0 (A5D1456-04)				Matrix: Soil					
Silver	ND	---	0.211	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO	
Thallium	ND	---	0.211	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO	
Vanadium	66.0	---	2.11	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO	
Zinc	42.3	---	4.21	mg/kg dry	10	04/23/25 18:41	EPA 6020B	PRO	
DU1-1.0-1.5 (A5D1456-06)				Matrix: Soil					
Batch: 25D0933									
Antimony	ND	---	1.05	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Arsenic	4.51	---	1.05	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Barium	151	---	1.05	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Beryllium	0.790	---	0.211	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Cadmium	ND	---	0.211	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Chromium	39.5	---	1.05	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Cobalt	18.7	---	1.05	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Copper	25.7	---	2.11	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Lead	16.2	---	0.211	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Mercury	ND	---	0.0844	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Molybdenum	ND	---	1.05	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Nickel	26.7	---	2.11	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Selenium	ND	---	1.05	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Silver	ND	---	0.211	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Thallium	ND	---	0.211	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Vanadium	73.2	---	2.11	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
Zinc	39.5	---	4.22	mg/kg dry	10	04/23/25 18:46	EPA 6020B	PRO	
DU2-0.0-0.5 (A5D1456-10)				Matrix: Soil					
Batch: 25D0933									
Antimony	1.17	---	1.11	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
Arsenic	21.3	---	1.11	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
Barium	82.2	---	1.11	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
Beryllium	0.430	---	0.223	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
Cadmium	0.240	---	0.223	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
Chromium	45.0	---	1.11	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
Cobalt	19.0	---	1.11	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	

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Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
---	---	---

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
DU2-0.0-0.5 (A5D1456-10)				Matrix: Soil					
Copper	68.5	---	2.23	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
Lead	118	---	0.223	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
Mercury	ND	---	0.0892	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
Molybdenum	ND	---	1.11	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
Nickel	27.7	---	2.23	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
Selenium	ND	---	1.11	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
Silver	ND	---	0.223	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
Thallium	ND	---	0.223	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
Vanadium	74.1	---	2.23	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
Zinc	94.1	---	4.46	mg/kg dry	10	04/23/25 18:52	EPA 6020B	PRO	
DU2-0.5-1.0 (A5D1456-12)				Matrix: Soil					
Batch: 25D0933									
Antimony	ND	---	1.04	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Arsenic	9.87	---	1.04	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Barium	68.5	---	1.04	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Beryllium	0.479	---	0.208	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Cadmium	ND	---	0.208	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Chromium	49.3	---	1.04	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Cobalt	19.2	---	1.04	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Copper	45.6	---	2.08	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Lead	22.0	---	0.208	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Mercury	ND	---	0.0833	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Molybdenum	ND	---	1.04	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Nickel	29.0	---	2.08	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Selenium	ND	---	1.04	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Silver	ND	---	0.208	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Thallium	ND	---	0.208	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Vanadium	78.5	---	2.08	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
Zinc	54.1	---	4.16	mg/kg dry	10	04/23/25 19:07	EPA 6020B	PRO	
DU2-1.0-1.5 (A5D1456-14)				Matrix: Soil					
Batch: 25D0933									
Antimony	ND	---	1.11	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
---	---	---

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
DU2-1.0-1.5 (A5D1456-14)				Matrix: Soil					
Arsenic	3.91	---	1.11	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
Barium	73.8	---	1.11	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
Beryllium	0.488	---	0.223	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
Cadmium	ND	---	0.223	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
Chromium	52.3	---	1.11	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
Cobalt	21.0	---	1.11	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
Copper	40.2	---	2.23	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
Lead	6.78	---	0.223	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
Mercury	ND	---	0.0891	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
Molybdenum	ND	---	1.11	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
Nickel	29.2	---	2.23	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
Selenium	ND	---	1.11	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
Silver	ND	---	0.223	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
Thallium	ND	---	0.223	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
Vanadium	88.1	---	2.23	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
Zinc	49.7	---	4.45	mg/kg dry	10	04/23/25 19:13	EPA 6020B	PRO	
DU3-0.0-0.5 (A5D1456-18)				Matrix: Soil					
Batch: 25D0933									
Antimony	ND	---	1.02	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO	
Arsenic	35.6	---	1.02	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO	
Barium	92.5	---	1.02	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO	
Beryllium	0.432	---	0.205	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO	
Cadmium	ND	---	0.205	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO	
Chromium	39.7	---	1.02	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO	
Cobalt	17.0	---	1.02	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO	
Copper	52.6	---	2.05	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO	
Lead	133	---	0.205	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO	
Mercury	ND	---	0.0820	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO	
Molybdenum	ND	---	1.02	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO	
Nickel	23.7	---	2.05	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO	
Selenium	ND	---	1.02	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO	
Silver	ND	---	0.205	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU3-0.0-0.5 (A5D1456-18)				Matrix: Soil				
Thallium	ND	---	0.205	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO
Vanadium	61.3	---	2.05	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO
Zinc	65.2	---	4.10	mg/kg dry	10	04/23/25 19:18	EPA 6020B	PRO
DU3-0.5-1.0 (A5D1456-20)				Matrix: Soil				
Batch: 25D0933								
Antimony	ND	---	1.09	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Arsenic	26.9	---	1.09	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Barium	106	---	1.09	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Beryllium	0.524	---	0.219	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Cadmium	ND	---	0.219	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Chromium	55.5	---	1.09	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Cobalt	20.4	---	1.09	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Copper	49.2	---	2.19	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Lead	72.5	---	0.219	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Mercury	ND	---	0.0875	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Molybdenum	ND	---	1.09	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Nickel	29.5	---	2.19	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Selenium	ND	---	1.09	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Silver	ND	---	0.219	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Thallium	ND	---	0.219	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Vanadium	75.3	---	2.19	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
Zinc	56.9	---	4.38	mg/kg dry	10	04/23/25 19:23	EPA 6020B	PRO
DU3-1.0-1.5 (A5D1456-22)				Matrix: Soil				
Batch: 25D0933								
Antimony	ND	---	1.01	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
Arsenic	14.9	---	1.01	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
Barium	128	---	1.01	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
Beryllium	0.517	---	0.203	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
Cadmium	ND	---	0.203	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
Chromium	43.5	---	1.01	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
Cobalt	20.5	---	1.01	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
Copper	48.9	---	2.03	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO

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Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU3-1.0-1.5 (A5D1456-22) Matrix: Soil								
Lead	60.5	---	0.203	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
Mercury	ND	---	0.0811	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
Molybdenum	ND	---	1.01	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
Nickel	29.8	---	2.03	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
Selenium	ND	---	1.01	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
Silver	ND	---	0.203	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
Thallium	ND	---	0.203	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
Vanadium	69.8	---	2.03	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
Zinc	54.3	---	4.05	mg/kg dry	10	04/23/25 19:28	EPA 6020B	PRO
DU4-0.0-0.5 (A5D1456-26) Matrix: Soil								
Batch: 25D0933								
Antimony	ND	---	1.09	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Arsenic	3.81	---	1.09	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Barium	140	---	1.09	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Beryllium	0.688	---	0.218	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Cadmium	ND	---	0.218	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Chromium	31.6	---	1.09	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Cobalt	14.9	---	1.09	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Copper	36.9	---	2.18	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Lead	10.2	---	0.218	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Mercury	ND	---	0.0870	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Molybdenum	ND	---	1.09	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Nickel	18.4	---	2.18	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Selenium	ND	---	1.09	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Silver	ND	---	0.218	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Thallium	ND	---	0.218	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Vanadium	62.9	---	2.18	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
Zinc	56.4	---	4.35	mg/kg dry	10	04/23/25 19:33	EPA 6020B	PRO
DU4-0.5-1.0 (A5D1456-28) Matrix: Soil								
Batch: 25D0933								
Antimony	ND	---	1.05	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO
Arsenic	2.50	---	1.05	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO

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ANALYTICAL REPORT

Apex Laboratories, LLC

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ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
DU4-0.5-1.0 (A5D1456-28)				Matrix: Soil					
Barium	140	---	1.05	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO	
Beryllium	0.695	---	0.210	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO	
Cadmium	ND	---	0.210	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO	
Chromium	29.9	---	1.05	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO	
Cobalt	14.7	---	1.05	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO	
Copper	27.0	---	2.10	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO	
Lead	7.59	---	0.210	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO	
Mercury	ND	---	0.0841	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO	
Molybdenum	ND	---	1.05	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO	
Nickel	17.1	---	2.10	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO	
Selenium	ND	---	1.05	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO	
Silver	ND	---	0.210	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO	
Thallium	ND	---	0.210	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO	
Vanadium	61.1	---	2.10	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO	
Zinc	41.0	---	4.21	mg/kg dry	10	04/23/25 19:38	EPA 6020B	PRO	
DU4-1.0-1.5 (A5D1456-30)				Matrix: Soil					
Batch: 25D0933									
Antimony	ND	---	1.06	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
Arsenic	3.05	---	1.06	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
Barium	161	---	1.06	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
Beryllium	0.830	---	0.213	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
Cadmium	ND	---	0.213	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
Chromium	33.1	---	1.06	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
Cobalt	15.4	---	1.06	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
Copper	27.9	---	2.13	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
Lead	7.30	---	0.213	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
Mercury	ND	---	0.0852	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
Molybdenum	ND	---	1.06	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
Nickel	18.9	---	2.13	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
Selenium	ND	---	1.06	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
Silver	ND	---	0.213	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
Thallium	ND	---	0.213	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	

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Apex Laboratories, LLC

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ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
---	---	---

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
DU4-1.0-1.5 (A5D1456-30)				Matrix: Soil					
Vanadium	64.5	---	2.13	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
Zinc	43.4	---	4.26	mg/kg dry	10	04/23/25 19:44	EPA 6020B	PRO	
DU5-0.0-0.5 (A5D1456-34)				Matrix: Soil					
Batch: 25D0933									
Antimony	1.41	---	1.08	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Arsenic	19.3	---	1.08	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Barium	97.7	---	1.08	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Beryllium	0.680	---	0.216	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Cadmium	ND	---	0.216	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Chromium	33.7	---	1.08	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Cobalt	13.8	---	1.08	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Copper	44.5	---	2.16	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Lead	201	---	0.216	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Mercury	ND	---	0.0864	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Molybdenum	ND	---	1.08	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Nickel	16.0	---	2.16	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Selenium	ND	---	1.08	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Silver	ND	---	0.216	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Thallium	ND	---	0.216	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Vanadium	69.1	---	2.16	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
Zinc	51.3	---	4.32	mg/kg dry	10	04/23/25 19:49	EPA 6020B	PRO	
DU5-0.5-1.0 (A5D1456-36)				Matrix: Soil					
Batch: 25D0933									
Antimony	ND	---	1.05	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
Arsenic	9.63	---	1.05	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
Barium	101	---	1.05	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
Beryllium	0.695	---	0.209	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
Cadmium	ND	---	0.209	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
Chromium	36.2	---	1.05	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
Cobalt	14.4	---	1.05	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
Copper	32.2	---	2.09	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
Lead	28.1	---	0.209	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	

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Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
---	---	---

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
DU5-0.5-1.0 (A5D1456-36)				Matrix: Soil					
Mercury	ND	---	0.0838	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
Molybdenum	ND	---	1.05	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
Nickel	17.0	---	2.09	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
Selenium	ND	---	1.05	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
Silver	ND	---	0.209	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
Thallium	ND	---	0.209	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
Vanadium	76.2	---	2.09	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
Zinc	41.7	---	4.19	mg/kg dry	10	04/23/25 19:54	EPA 6020B	PRO	
DU5-1.0-1.5 (A5D1456-38)				Matrix: Soil					
Batch: 25D0933									
Antimony	ND	---	1.06	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Arsenic	6.08	---	1.06	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Barium	96.8	---	1.06	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Beryllium	0.760	---	0.213	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Cadmium	ND	---	0.213	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Chromium	40.6	---	1.06	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Cobalt	15.1	---	1.06	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Copper	31.6	---	2.13	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Lead	18.3	---	0.213	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Mercury	ND	---	0.0851	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Molybdenum	ND	---	1.06	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Nickel	18.3	---	2.13	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Selenium	ND	---	1.06	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Silver	ND	---	0.213	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Thallium	ND	---	0.213	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Vanadium	84.9	---	2.13	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	
Zinc	42.5	---	4.26	mg/kg dry	10	04/23/25 20:10	EPA 6020B	PRO	

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ANALYTICAL REPORT

Apex Laboratories, LLC

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503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Percent Dry Weight								
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
DU1-0.0-0.5 (A5D1456-02)				Matrix: Soil		Batch: 25D0950		PRO
% Solids	97.3	---	1.00	%	1	04/24/25 04:30	EPA 8000D	
DU1-0.5-1.0 (A5D1456-04)				Matrix: Soil		Batch: 25D0950		PRO
% Solids	97.5	---	1.00	%	1	04/24/25 04:30	EPA 8000D	
DU1-1.0-1.5 (A5D1456-06)				Matrix: Soil		Batch: 25D0950		PRO
% Solids	97.0	---	1.00	%	1	04/24/25 04:30	EPA 8000D	
DU2-0.0-0.5 (A5D1456-10)				Matrix: Soil		Batch: 25D0950		PRO
% Solids	97.9	---	1.00	%	1	04/24/25 04:30	EPA 8000D	
DU2-0.5-1.0 (A5D1456-12)				Matrix: Soil		Batch: 25D0950		PRO
% Solids	97.6	---	1.00	%	1	04/24/25 04:30	EPA 8000D	
DU2-1.0-1.5 (A5D1456-14)				Matrix: Soil		Batch: 25D0950		PRO
% Solids	97.2	---	1.00	%	1	04/24/25 04:30	EPA 8000D	
DU3-0.0-0.5 (A5D1456-18)				Matrix: Soil		Batch: 25D0950		PRO
% Solids	96.8	---	1.00	%	1	04/24/25 04:30	EPA 8000D	
DU3-0.5-1.0 (A5D1456-20)				Matrix: Soil		Batch: 25D0950		PRO
% Solids	96.6	---	1.00	%	1	04/24/25 04:30	EPA 8000D	
DU3-1.0-1.5 (A5D1456-22)				Matrix: Soil		Batch: 25D0950		PRO
% Solids	96.2	---	1.00	%	1	04/24/25 04:30	EPA 8000D	
DU4-0.0-0.5 (A5D1456-26)				Matrix: Soil		Batch: 25D0950		PRO
% Solids	97.8	---	1.00	%	1	04/24/25 04:30	EPA 8000D	
DU4-0.5-1.0 (A5D1456-28)				Matrix: Soil		Batch: 25D0950		PRO
% Solids	97.8	---	1.00	%	1	04/24/25 04:30	EPA 8000D	
DU4-1.0-1.5 (A5D1456-30)				Matrix: Soil		Batch: 25D0950		PRO
% Solids	97.6	---	1.00	%	1	04/24/25 04:30	EPA 8000D	
DU5-0.0-0.5 (A5D1456-34)				Matrix: Soil		Batch: 25D0950		PRO

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Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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ANALYTICAL SAMPLE RESULTS

Percent Dry Weight									
Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes	
DU5-0.0-0.5 (A5D1456-34)				Matrix: Soil		Batch: 25D0950		PRO	
% Solids	97.9	---	1.00	%	1	04/24/25 04:30	EPA 8000D		
DU5-0.5-1.0 (A5D1456-36)				Matrix: Soil		Batch: 25D0950		PRO	
% Solids	97.7	---	1.00	%	1	04/24/25 04:30	EPA 8000D		
DU5-1.0-1.5 (A5D1456-38)				Matrix: Soil		Batch: 25D0950		PRO	
% Solids	97.3	---	1.00	%	1	04/24/25 04:30	EPA 8000D		

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Darwin Thomas, Business Development Director



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Alpine Environmental Consultants	Project: Skyview Estates	
12210 Antioch Road	Project Number: AEC2025-09	Report ID:
White City, OR 97503	Project Manager: Jonathan Williams	A5D1456 - 05 08 25 1211

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D1021 - EPA 3546/3640A (GPC)						Soil						
Blank (25D1021-BLK2)						Prepared: 04/23/25 11:02 Analyzed: 04/30/25 14:24						C-05
EPA 8081B												
Aldrin	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
alpha-BHC	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
beta-BHC	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
delta-BHC	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
gamma-BHC (Lindane)	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
cis-Chlordane	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
trans-Chlordane	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDD	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDE	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
4,4'-DDT	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
Dieldrin	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
Endosulfan I	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
Endosulfan II	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
Endosulfan sulfate	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
Endrin	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
Endrin aldehyde	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
Endrin ketone	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
Heptachlor	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
Heptachlor epoxide	ND	---	2.00	ug/kg wet	1	---	---	---	---	---	---	
Methoxychlor	ND	---	6.00	ug/kg wet	1	---	---	---	---	---	---	
Chlordane (Technical)	ND	---	60.0	ug/kg wet	1	---	---	---	---	---	---	
Toxaphene (Total)	ND	---	60.0	ug/kg wet	1	---	---	---	---	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 128 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>156 %</i>		<i>55-130 %</i>		<i>"</i>						<i>S-06</i>

LCS (25D1021-BS2)						Prepared: 04/23/25 11:02 Analyzed: 04/30/25 14:40						C-05
EPA 8081B												
Aldrin	52.8	---	2.00	ug/kg wet	1	50.0	---	106	45-136%	---	---	
alpha-BHC	51.3	---	2.00	ug/kg wet	1	50.0	---	103	45-137%	---	---	
beta-BHC	56.2	---	2.00	ug/kg wet	1	50.0	---	112	50-136%	---	---	
delta-BHC	51.6	---	2.00	ug/kg wet	1	50.0	---	103	47-139%	---	---	
gamma-BHC (Lindane)	53.7	---	2.00	ug/kg wet	1	50.0	---	107	49-135%	---	---	
cis-Chlordane	54.4	---	2.00	ug/kg wet	1	50.0	---	109	54-133%	---	---	

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Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D1021 - EPA 3546/3640A (GPC)						Soil						
LCS (25D1021-BS2)						Prepared: 04/23/25 11:02 Analyzed: 04/30/25 14:40						C-05
trans-Chlordane	54.7	---	2.00	ug/kg wet	1	50.0	---	109	53-135%	---	---	
4,4'-DDD	56.7	---	2.00	ug/kg wet	1	50.0	---	113	56-139%	---	---	
4,4'-DDE	56.8	---	2.00	ug/kg wet	1	50.0	---	114	56-134%	---	---	
4,4'-DDT	58.8	---	2.00	ug/kg wet	1	50.0	---	118	50-141%	---	---	
Dieldrin	56.8	---	2.00	ug/kg wet	1	50.0	---	114	56-136%	---	---	
Endosulfan I	56.2	---	2.00	ug/kg wet	1	50.0	---	112	53-132%	---	---	
Endosulfan II	58.8	---	2.00	ug/kg wet	1	50.0	---	118	53-134%	---	---	
Endosulfan sulfate	58.7	---	2.00	ug/kg wet	1	50.0	---	117	55-136%	---	---	
Endrin	62.0	---	2.00	ug/kg wet	1	50.0	---	124	57-140%	---	---	
Endrin aldehyde	55.8	---	2.00	ug/kg wet	1	50.0	---	112	35-137%	---	---	
Endrin ketone	57.8	---	2.00	ug/kg wet	1	50.0	---	116	55-136%	---	---	
Heptachlor	56.5	---	2.00	ug/kg wet	1	50.0	---	113	47-136%	---	---	
Heptachlor epoxide	57.2	---	2.00	ug/kg wet	1	50.0	---	114	52-136%	---	---	
Methoxychlor	59.6	---	6.00	ug/kg wet	1	50.0	---	119	52-143%	---	---	
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 117 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>						
<i>Decachlorobiphenyl (Surr)</i>		<i>134 %</i>		<i>55-130 %</i>		"						
												<i>S-06</i>

Duplicate (25D1021-DUP2)						Prepared: 04/23/25 11:02 Analyzed: 04/30/25 15:12						C-05, PRO
QC Source Sample: DU1-0.0-0.5 (A5D1456-02RE2)												
EPA 8081B												
Aldrin	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%	
alpha-BHC	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%	
beta-BHC	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%	
delta-BHC	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%	
gamma-BHC (Lindane)	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%	
cis-Chlordane	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%	
trans-Chlordane	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%	
4,4'-DDD	ND	---	8.85	ug/kg dry	5	---	4.51	---	---	***	30%	
4,4'-DDE	461	---	8.85	ug/kg dry	5	---	372	---	---	21	30%	
4,4'-DDT	63.7	---	8.85	ug/kg dry	5	---	41.3	---	---	43	30%	Q-17
Dieldrin	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%	
Endosulfan I	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%	
Endosulfan II	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%	
Endosulfan sulfate	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%	

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Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
---	---	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
Batch 25D1021 - EPA 3546/3640A (GPC)						Soil							
Duplicate (25D1021-DUP2)			Prepared: 04/23/25 11:02 Analyzed: 04/30/25 15:12						C-05, PRO				
QC Source Sample: DU1-0.0-0.5 (A5D1456-02RE2)													
Endrin	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%		
Endrin aldehyde	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%		
Endrin ketone	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%		
Heptachlor	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%		
Heptachlor epoxide	ND	---	8.85	ug/kg dry	5	---	ND	---	---	---	30%		
Methoxychlor	ND	---	26.6	ug/kg dry	5	---	ND	---	---	---	30%		
Chlordane (Technical)	ND	---	266	ug/kg dry	5	---	ND	---	---	---	30%		
Toxaphene (Total)	ND	---	266	ug/kg dry	5	---	ND	---	---	---	30%		
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 107 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 5x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>130 %</i>		<i>55-130 %</i>		"							

Matrix Spike (25D1021-MS1)						Prepared: 04/23/25 11:02 Analyzed: 04/30/25 16:49						C-05, PRO
QC Source Sample: DU5-1.0-1.5 (A5D1456-38RE1)												
EPA 8081B												
Aldrin	35.6	---	1.83	ug/kg dry	1	45.9	ND	78	45-136%	---	---	
alpha-BHC	37.0	---	1.83	ug/kg dry	1	45.9	ND	81	45-137%	---	---	
beta-BHC	38.9	---	1.83	ug/kg dry	1	45.9	ND	85	50-136%	---	---	
delta-BHC	37.0	---	1.83	ug/kg dry	1	45.9	ND	81	47-139%	---	---	
gamma-BHC (Lindane)	38.4	---	1.83	ug/kg dry	1	45.9	ND	84	49-135%	---	---	
cis-Chlordane	39.6	---	1.83	ug/kg dry	1	45.9	ND	86	54-133%	---	---	
trans-Chlordane	40.2	---	1.83	ug/kg dry	1	45.9	ND	88	53-135%	---	---	
4,4'-DDD	39.8	---	1.83	ug/kg dry	1	45.9	ND	87	56-139%	---	---	
4,4'-DDE	42.0	---	1.83	ug/kg dry	1	45.9	1.06	89	56-134%	---	---	
4,4'-DDT	41.7	---	1.83	ug/kg dry	1	45.9	ND	91	50-141%	---	---	
Dieldrin	40.2	---	1.83	ug/kg dry	1	45.9	ND	88	56-136%	---	---	
Endosulfan I	40.5	---	1.83	ug/kg dry	1	45.9	ND	88	53-132%	---	---	
Endosulfan II	41.6	---	1.83	ug/kg dry	1	45.9	ND	91	53-134%	---	---	
Endosulfan sulfate	42.3	---	1.83	ug/kg dry	1	45.9	ND	92	55-136%	---	---	
Endrin	42.6	---	1.83	ug/kg dry	1	45.9	ND	93	57-140%	---	---	
Endrin aldehyde	32.9	---	1.83	ug/kg dry	1	45.9	ND	72	35-137%	---	---	
Endrin ketone	40.8	---	1.83	ug/kg dry	1	45.9	ND	89	55-136%	---	---	
Heptachlor	40.5	---	1.83	ug/kg dry	1	45.9	ND	88	47-136%	---	---	
Heptachlor epoxide	39.6	---	1.83	ug/kg dry	1	45.9	ND	86	52-136%	---	---	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Organochlorine Pesticides by EPA 8081B

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
Batch 25D1021 - EPA 3546/3640A (GPC)						Soil							
Matrix Spike (25D1021-MS1)			Prepared: 04/23/25 11:02 Analyzed: 04/30/25 16:49						C-05, PRO				
QC Source Sample: DU5-1.0-1.5 (A5D1456-38RE1)													
Methoxychlor	38.4	---	5.50	ug/kg dry	1	45.9	ND	84	52-143%	---	---		
<i>Surr: 2,4,5,6-TCMX (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 42-129 %</i>		<i>Dilution: 1x</i>							
<i>Decachlorobiphenyl (Surr)</i>		<i>114 %</i>		<i>55-130 %</i>		<i>"</i>							

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QUALITY CONTROL (QC) SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D0927 - EPA 3546						Soil						
Blank (25D0927-BLK1)			Prepared: 04/23/25 08:17 Analyzed: 04/23/25 12:12									
EPA 8270E OPPs												
Azinphos methyl (Guthion)	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Chlorpyrifos	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Coumaphos	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Demeton O	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Demeton S	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Diazinon	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Dichlorvos	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Dimethoate	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Disulfoton	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
EPN	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Ethoprop	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Fensulfotion	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Fenthion	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Malathion	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Merphos	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Methyl parathion	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Mevinphos (Phosdrin)	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Monocrotophos	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Naled (Dibrom)	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Parathion, ethyl	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Phorate	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Ronnel (Fenchlorphos)	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Sulfotep	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Sulprofos (Bolstar)	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
TEPP	ND	---	200	ug/kg wet	1	---	---	---	---	---	---	---
Tetrachlorvinphos (Rabon)	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Tokuthion (Prothiofos)	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Trichloronate	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
<i>Surr: Tributyl phosphate (Surr)</i>		<i>Recovery: 63 %</i>		<i>Limits: 10-136 %</i>		<i>Dilution: 1x</i>						
<i>Triphenyl phosphate (Surr)</i>		<i>77 %</i>		<i>34-121 %</i>		<i>"</i>						

LCS (25D0927-BS1) Prepared: 04/23/25 08:17 Analyzed: 04/23/25 12:46

EPA 8270E OPPs

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ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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QUALITY CONTROL (QC) SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D0927 - EPA 3546						Soil						
LCS (25D0927-BS1)			Prepared: 04/23/25 08:17 Analyzed: 04/23/25 12:46									
Azinphos methyl (Guthion)	371	---	50.0	ug/kg wet	1	400	---	93	38-156%	---	---	
Chlorpyrifos	369	---	50.0	ug/kg wet	1	400	---	92	47-140%	---	---	
Coumaphos	378	---	50.0	ug/kg wet	1	400	---	95	37-160%	---	---	
Demeton O	157	---	50.0	ug/kg wet	1	184	---	85	66-127%	---	---	
Demeton S	175	---	50.0	ug/kg wet	1	194	---	90	70-121%	---	---	
Diazinon	371	---	50.0	ug/kg wet	1	400	---	93	42-134%	---	---	
Dichlorvos	377	---	50.0	ug/kg wet	1	400	---	94	39-142%	---	---	
Dimethoate	371	---	50.0	ug/kg wet	1	400	---	93	16-139%	---	---	
Disulfoton	370	---	50.0	ug/kg wet	1	400	---	93	28-145%	---	---	
EPN	383	---	50.0	ug/kg wet	1	400	---	96	44-137%	---	---	
Ethoprop	350	---	50.0	ug/kg wet	1	400	---	88	47-128%	---	---	
Fensulfthion	332	---	50.0	ug/kg wet	1	400	---	83	27-147%	---	---	
Fenthion	365	---	50.0	ug/kg wet	1	400	---	91	44-134%	---	---	
Malathion	360	---	50.0	ug/kg wet	1	400	---	90	46-137%	---	---	
Merphos	366	---	50.0	ug/kg wet	1	400	---	91	66-131%	---	---	
Methyl parathion	389	---	50.0	ug/kg wet	1	400	---	97	49-138%	---	---	
Mevinphos (Phosdrin)	354	---	50.0	ug/kg wet	1	400	---	89	12-176%	---	---	
Monocrotophos	381	---	50.0	ug/kg wet	1	400	---	95	10-153%	---	---	
Naled (Dibrom)	359	---	50.0	ug/kg wet	1	400	---	90	10-174%	---	---	
Parathion, ethyl	382	---	50.0	ug/kg wet	1	400	---	96	50-139%	---	---	
Phorate	369	---	50.0	ug/kg wet	1	400	---	92	23-142%	---	---	
Ronnel (Fenchlorphos)	358	---	50.0	ug/kg wet	1	400	---	90	45-138%	---	---	
Sulfotep	359	---	50.0	ug/kg wet	1	400	---	90	52-126%	---	---	
Sulprofos (Bolstar)	365	---	50.0	ug/kg wet	1	400	---	91	48-139%	---	---	
TEPP	236	---	200	ug/kg wet	1	400	---	59	16-126%	---	---	
Tetrachlorvinphos (Rabon)	365	---	50.0	ug/kg wet	1	400	---	91	54-129%	---	---	
Tokuthion (Prothiofos)	362	---	50.0	ug/kg wet	1	400	---	90	45-136%	---	---	
Trichloronate	367	---	50.0	ug/kg wet	1	400	---	92	37-140%	---	---	
<i>Surr: Tributyl phosphate (Surr)</i>		<i>Recovery: 82 %</i>		<i>Limits: 10-136 %</i>		<i>Dilution: 1x</i>						
<i>Triphenyl phosphate (Surr)</i>		<i>90 %</i>		<i>34-121 %</i>		<i>"</i>						

Duplicate (25D0927-DUP1) Prepared: 04/23/25 08:17 Analyzed: 04/23/25 13:59 **PRO**

QC Source Sample: Non-SDG (A5D1452-02)

Azinphos methyl (Guthion)	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%
---------------------------	----	-----	------	-----------	---	-----	----	-----	-----	-----	-----

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Apex Laboratories, LLC

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503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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QUALITY CONTROL (QC) SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D0927 - EPA 3546						Soil						
Duplicate (25D0927-DUP1)						Prepared: 04/23/25 08:17 Analyzed: 04/23/25 13:59						PRO
QC Source Sample: Non-SDG (A5D1452-02)												
Chlorpyrifos	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Coumaphos	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Demeton O	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Demeton S	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Diazinon	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Dichlorvos	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Dimethoate	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Disulfoton	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
EPN	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Ethoprop	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Fensulfothion	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Fenthion	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Malathion	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Merphos	ND	---	133	ug/kg dry	1	---	ND	---	---	---	30%	R-02
Methyl parathion	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Mevinphos (Phosdrin)	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Monocrotophos	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Naled (Dibrom)	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Parathion, ethyl	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Phorate	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Ronnel (Fenchlorphos)	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Sulfotep	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Sulprofos (Bolstar)	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
TEPP	ND	---	186	ug/kg dry	1	---	ND	---	---	---	30%	
Tetrachlorvinphos (Rabon)	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Tokuthion (Prothiofos)	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
Trichloronate	ND	---	46.4	ug/kg dry	1	---	ND	---	---	---	30%	
<i>Surr: Tributyl phosphate (Surr)</i>		<i>Recovery: 19 %</i>		<i>Limits: 10-136 %</i>		<i>Dilution: 1x</i>						
<i>Triphenyl phosphate (Surr)</i>		<i>44 %</i>		<i>34-121 %</i>		<i>"</i>						

Matrix Spike (25D0927-MS1)	Prepared: 04/23/25 08:17 Analyzed: 04/23/25 15:11	PRO
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QC Source Sample: DU5-1.0-1.5 (A5D1456-38)

EPA 8270E OPPs

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ANALYTICAL REPORT

Apex Laboratories, LLC

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ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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QUALITY CONTROL (QC) SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D0927 - EPA 3546						Soil						
Matrix Spike (25D0927-MS1)						Prepared: 04/23/25 08:17 Analyzed: 04/23/25 15:11						PRO
QC Source Sample: DU5-1.0-1.5 (A5D1456-38)												
Azinphos methyl (Guthion)	265	---	45.4	ug/kg dry	1	364	ND	73	38-156%	---	---	
Chlorpyrifos	262	---	45.4	ug/kg dry	1	364	ND	72	47-140%	---	---	
Coumaphos	348	---	45.4	ug/kg dry	1	364	ND	96	37-160%	---	---	
Demeton O	106	---	45.4	ug/kg dry	1	167	ND	63	66-127%	---	---	Q-01
Demeton S	ND	---	45.4	ug/kg dry	1	176	ND	22	70-121%	---	---	Q-01
Diazinon	ND	---	45.4	ug/kg dry	1	364	ND		42-134%	---	---	Q-01
Dichlorvos	60.6	---	45.4	ug/kg dry	1	364	ND	17	39-142%	---	---	Q-01
Dimethoate	68.0	---	45.4	ug/kg dry	1	364	ND	19	16-139%	---	---	
Disulfoton	311	---	45.4	ug/kg dry	1	364	ND	86	28-145%	---	---	
EPN	382	---	45.4	ug/kg dry	1	364	ND	105	44-137%	---	---	
Ethoprop	98.3	---	45.4	ug/kg dry	1	364	ND	27	47-128%	---	---	Q-01
Fensulfthion	74.2	---	45.4	ug/kg dry	1	364	ND	20	27-147%	---	---	Q-01
Fenthion	293	---	45.4	ug/kg dry	1	364	ND	81	44-134%	---	---	
Malathion	239	---	45.4	ug/kg dry	1	364	ND	66	46-137%	---	---	
Merphos	238	---	45.4	ug/kg dry	1	364	ND	65	66-131%	---	---	Q-01
Methyl parathion	328	---	45.4	ug/kg dry	1	364	ND	90	49-138%	---	---	
Mevinphos (Phosdrin)	ND	---	45.4	ug/kg dry	1	364	ND	10	12-176%	---	---	Q-01
Monocrotophos	ND	---	45.4	ug/kg dry	1	364	ND	7	10-153%	---	---	Q-01
Naled (Dibrom)	ND	---	45.4	ug/kg dry	1	364	ND		10-174%	---	---	Q-01
Parathion, ethyl	332	---	45.4	ug/kg dry	1	364	ND	91	50-139%	---	---	
Phorate	311	---	45.4	ug/kg dry	1	364	ND	85	23-142%	---	---	
Ronnel (Fenchlorphos)	291	---	45.4	ug/kg dry	1	364	ND	80	45-138%	---	---	
Sulfotep	125	---	45.4	ug/kg dry	1	364	ND	34	52-126%	---	---	Q-01
Sulprofos (Bolstar)	318	---	45.4	ug/kg dry	1	364	ND	87	48-139%	---	---	
TEPP	ND	---	182	ug/kg dry	1	364	ND		16-126%	---	---	Q-01
Tetrachlorvinphos (Rabon)	146	---	45.4	ug/kg dry	1	364	ND	40	54-129%	---	---	Q-01
Tokuthion (Prothiofos)	320	---	45.4	ug/kg dry	1	364	ND	88	45-136%	---	---	
Trichloronate	302	---	45.4	ug/kg dry	1	364	ND	83	37-140%	---	---	
Surr: Tributyl phosphate (Surr)		Recovery: 21 %		Limits: 10-136 %		Dilution: 1x						
Triphenyl phosphate (Surr)		54 %		34-121 %		"						

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

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ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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QUALITY CONTROL (QC) SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D1104 - EPA 3546						Soil						
Blank (25D1104-BLK1)			Prepared: 04/28/25 11:37 Analyzed: 04/28/25 15:47									
<u>EPA 8270E OPPs</u>												
Azinphos methyl (Guthion)	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Chlorpyrifos	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Coumaphos	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Demeton O	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Demeton S	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Diazinon	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Dichlorvos	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Dimethoate	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Disulfoton	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
EPN	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Ethoprop	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Fensulfotion	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Fenthion	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Malathion	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Merphos	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Methyl parathion	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Mevinphos (Phosdrin)	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Monocrotophos	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Naled (Dibrom)	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Parathion, ethyl	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Phorate	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Ronnel (Fenchlorphos)	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Sulfotep	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Sulprofos (Bolstar)	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
TEPP	ND	---	200	ug/kg wet	1	---	---	---	---	---	---	---
Tetrachlorvinphos (Rabon)	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Tokuthion (Prothiofos)	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
Trichloronate	ND	---	50.0	ug/kg wet	1	---	---	---	---	---	---	---
<i>Surr: Tributyl phosphate (Surr)</i>		<i>Recovery: 94 %</i>		<i>Limits: 10-136 %</i>		<i>Dilution: 1x</i>						
<i>Triphenyl phosphate (Surr)</i>		<i>106 %</i>		<i>34-121 %</i>		<i>"</i>						

LCS (25D1104-BS1) Prepared: 04/28/25 11:37 Analyzed: 04/28/25 16:23

EPA 8270E OPPs

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Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
---	---	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D1104 - EPA 3546						Soil						
LCS (25D1104-BS1)						Prepared: 04/28/25 11:37 Analyzed: 04/28/25 16:23						
Azinphos methyl (Guthion)	431	---	50.0	ug/kg wet	1	400	---	108	38-156%	---	---	
Chlorpyrifos	410	---	50.0	ug/kg wet	1	400	---	103	47-140%	---	---	
Coumaphos	445	---	50.0	ug/kg wet	1	400	---	111	37-160%	---	---	
Demeton O	178	---	50.0	ug/kg wet	1	184	---	97	66-127%	---	---	
Demeton S	198	---	50.0	ug/kg wet	1	194	---	102	70-121%	---	---	
Diazinon	410	---	50.0	ug/kg wet	1	400	---	103	42-134%	---	---	
Dichlorvos	402	---	50.0	ug/kg wet	1	400	---	101	39-142%	---	---	
Dimethoate	442	---	50.0	ug/kg wet	1	400	---	110	16-139%	---	---	
Disulfoton	414	---	50.0	ug/kg wet	1	400	---	103	28-145%	---	---	
EPN	447	---	50.0	ug/kg wet	1	400	---	112	44-137%	---	---	
Ethoprop	411	---	50.0	ug/kg wet	1	400	---	103	47-128%	---	---	
Fensulfothion	437	---	50.0	ug/kg wet	1	400	---	109	27-147%	---	---	
Fenthion	397	---	50.0	ug/kg wet	1	400	---	99	44-134%	---	---	
Malathion	429	---	50.0	ug/kg wet	1	400	---	107	46-137%	---	---	
Merphos	446	---	50.0	ug/kg wet	1	400	---	111	66-131%	---	---	
Methyl parathion	424	---	50.0	ug/kg wet	1	400	---	106	49-138%	---	---	
Mevinphos (Phosdrin)	415	---	50.0	ug/kg wet	1	400	---	104	12-176%	---	---	
Monocrotophos	449	---	50.0	ug/kg wet	1	400	---	112	10-153%	---	---	
Naled (Dibrom)	403	---	50.0	ug/kg wet	1	400	---	101	10-174%	---	---	
Parathion, ethyl	415	---	50.0	ug/kg wet	1	400	---	104	50-139%	---	---	
Phorate	421	---	50.0	ug/kg wet	1	400	---	105	23-142%	---	---	
Ronnel (Fenchlorphos)	415	---	50.0	ug/kg wet	1	400	---	104	45-138%	---	---	
Sulfotep	403	---	50.0	ug/kg wet	1	400	---	101	52-126%	---	---	
Sulprofos (Bolstar)	408	---	50.0	ug/kg wet	1	400	---	102	48-139%	---	---	
TEPP	352	---	200	ug/kg wet	1	400	---	88	16-126%	---	---	
Tetrachlorvinphos (Rabon)	419	---	50.0	ug/kg wet	1	400	---	105	54-129%	---	---	
Tokuthion (Prothiofos)	429	---	50.0	ug/kg wet	1	400	---	107	45-136%	---	---	
Trichloronate	414	---	50.0	ug/kg wet	1	400	---	104	37-140%	---	---	
<i>Surr: Tributyl phosphate (Surr)</i>		<i>Recovery: 105 %</i>		<i>Limits: 10-136 %</i>		<i>Dilution: 1x</i>						
<i>Triphenyl phosphate (Surr)</i>		<i>112 %</i>		<i>34-121 %</i>		<i>"</i>						

Duplicate (25D1104-DUP1) Prepared: 04/28/25 11:37 Analyzed: 04/28/25 17:36 **PRO**

QC Source Sample: Non-SDG (A5D1662-02)

Azinphos methyl (Guthion)	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%
---------------------------	----	-----	------	-----------	---	-----	----	-----	-----	-----	-----

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6700 S.W. Sandburg Street
 Tigard, OR 97223
 503-718-2323
 ORELAP ID: OR100062

Alpine Environmental Consultants	Project: Skyview Estates	
12210 Antioch Road	Project Number: AEC2025-09	Report ID:
White City, OR 97503	Project Manager: Jonathan Williams	A5D1456 - 05 08 25 1211

QUALITY CONTROL (QC) SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-----------------	-------	----------	--------------	---------------	-------	--------------	-----	-----------	-------

Batch 25D1104 - EPA 3546 **Soil**

Duplicate (25D1104-DUP1) Prepared: 04/28/25 11:37 Analyzed: 04/28/25 17:36 **PRO**

QC Source Sample: Non-SDG (A5D1662-02)

Chlorpyrifos	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Coumaphos	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Demeton O	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Demeton S	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Diazinon	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Dichlorvos	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Dimethoate	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Disulfoton	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
EPN	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Ethoprop	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Fensulfothion	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Fenthion	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Malathion	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Merphos	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Methyl parathion	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Mevinphos (Phosdrin)	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Monocrotophos	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Naled (Dibrom)	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Parathion, ethyl	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Phorate	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Ronnel (Fenchlorphos)	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Sulfotep	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Sulprofos (Bolstar)	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
TEPP	ND	---	177	ug/kg dry	1	---	ND	---	---	---	30%	
Tetrachlorvinphos (Rabon)	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Tokuthion (Prothiofos)	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	
Trichloronate	ND	---	44.2	ug/kg dry	1	---	ND	---	---	---	30%	

Surr: Tributyl phosphate (Surr) Recovery: 9 % Limits: 10-136 % Dilution: 1x S-03
 Triphenyl phosphate (Surr) 60 % 34-121 % "

Matrix Spike (25D1104-MS1) Prepared: 04/28/25 11:37 Analyzed: 04/28/25 18:48 **PRO**

QC Source Sample: Non-SDG (A5D1662-08)

EPA 8270E OPPs

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503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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QUALITY CONTROL (QC) SAMPLE RESULTS

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D1104 - EPA 3546						Soil						
Matrix Spike (25D1104-MS1)						Prepared: 04/28/25 11:37 Analyzed: 04/28/25 18:48						PRO
QC Source Sample: Non-SDG (A5D1662-08)												
Azinphos methyl (Guthion)	230	---	44.3	ug/kg dry	1	354	ND	65	38-156%	---	---	
Chlorpyrifos	307	---	44.3	ug/kg dry	1	354	ND	87	47-140%	---	---	
Coumaphos	343	---	44.3	ug/kg dry	1	354	ND	97	37-160%	---	---	
Demeton O	133	---	44.3	ug/kg dry	1	163	ND	82	66-127%	---	---	
Demeton S	ND	---	44.3	ug/kg dry	1	172	ND		70-121%	---	---	Q-01
Diazinon	ND	---	44.3	ug/kg dry	1	354	ND		42-134%	---	---	Q-01
Dichlorvos	65.5	---	44.3	ug/kg dry	1	354	ND	18	39-142%	---	---	Q-01
Dimethoate	ND	---	44.3	ug/kg dry	1	354	ND	8	16-139%	---	---	Q-01
Disulfoton	316	---	44.3	ug/kg dry	1	354	ND	89	28-145%	---	---	
EPN	388	---	44.3	ug/kg dry	1	354	ND	110	44-137%	---	---	
Ethoprop	64.0	---	44.3	ug/kg dry	1	354	ND	18	47-128%	---	---	Q-01
Fensulfothion	ND	---	44.3	ug/kg dry	1	354	ND	9	27-147%	---	---	Q-01
Fenthion	293	---	44.3	ug/kg dry	1	354	ND	83	44-134%	---	---	
Malathion	260	---	44.3	ug/kg dry	1	354	ND	73	46-137%	---	---	
Merphos	231	---	44.3	ug/kg dry	1	354	ND	65	66-131%	---	---	Q-01
Methyl parathion	314	---	44.3	ug/kg dry	1	354	ND	89	49-138%	---	---	
Mevinphos (Phosdrin)	ND	---	44.3	ug/kg dry	1	354	ND		12-176%	---	---	Q-01
Monocrotophos	ND	---	44.3	ug/kg dry	1	354	ND		10-153%	---	---	Q-01
Naled (Dibrom)	ND	---	44.3	ug/kg dry	1	354	ND		10-174%	---	---	Q-01
Parathion, ethyl	334	---	44.3	ug/kg dry	1	354	ND	94	50-139%	---	---	
Phorate	318	---	44.3	ug/kg dry	1	354	ND	90	23-142%	---	---	
Ronnel (Fenchlorphos)	304	---	44.3	ug/kg dry	1	354	ND	86	45-138%	---	---	
Sulfotep	243	---	44.3	ug/kg dry	1	354	ND	69	52-126%	---	---	
Sulprofos (Bolstar)	334	---	44.3	ug/kg dry	1	354	ND	94	48-139%	---	---	
TEPP	ND	---	177	ug/kg dry	1	354	ND		16-126%	---	---	Q-01
Tetrachlorvinphos (Rabon)	132	---	44.3	ug/kg dry	1	354	ND	37	54-129%	---	---	Q-01
Tokuthion (Prothiofos)	346	---	44.3	ug/kg dry	1	354	ND	98	45-136%	---	---	
Trichloronate	316	---	44.3	ug/kg dry	1	354	ND	89	37-140%	---	---	
<i>Surr: Tributyl phosphate (Surr)</i>		<i>Recovery: 10 %</i>		<i>Limits: 10-136 %</i>		<i>Dilution: 1x</i>						
<i>Triphenyl phosphate (Surr)</i>		<i>65 %</i>		<i>34-121 %</i>		"						

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ANALYTICAL REPORT

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ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D0933 - EPA 3051A						Soil						
Blank (25D0933-BLK1)			Prepared: 04/23/25 08:44 Analyzed: 04/23/25 18:10									
EPA 6020B												
Antimony	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	---
Arsenic	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	---
Barium	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	---
Beryllium	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	---
Cadmium	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	---
Chromium	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	---
Cobalt	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	---
Copper	ND	---	2.00	mg/kg wet	10	---	---	---	---	---	---	---
Lead	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	---
Mercury	ND	---	0.0800	mg/kg wet	10	---	---	---	---	---	---	---
Molybdenum	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	---
Nickel	ND	---	2.00	mg/kg wet	10	---	---	---	---	---	---	---
Selenium	ND	---	1.00	mg/kg wet	10	---	---	---	---	---	---	---
Silver	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	---
Thallium	ND	---	0.200	mg/kg wet	10	---	---	---	---	---	---	---
Vanadium	ND	---	2.00	mg/kg wet	10	---	---	---	---	---	---	---
Zinc	ND	---	4.00	mg/kg wet	10	---	---	---	---	---	---	---

LCS (25D0933-BS1)						Prepared: 04/23/25 08:44 Analyzed: 04/23/25 18:21						
EPA 6020B												
Antimony	26.1	---	1.00	mg/kg wet	10	25.0	---	104	80-120%	---	---	---
Arsenic	51.0	---	1.00	mg/kg wet	10	50.0	---	102	80-120%	---	---	---
Barium	48.2	---	1.00	mg/kg wet	10	50.0	---	96	80-120%	---	---	---
Beryllium	24.6	---	0.200	mg/kg wet	10	25.0	---	98	80-120%	---	---	---
Cadmium	51.1	---	0.200	mg/kg wet	10	50.0	---	102	80-120%	---	---	---
Chromium	50.3	---	1.00	mg/kg wet	10	50.0	---	101	80-120%	---	---	---
Cobalt	48.8	---	1.00	mg/kg wet	10	50.0	---	98	80-120%	---	---	---
Copper	51.0	---	2.00	mg/kg wet	10	50.0	---	102	80-120%	---	---	---
Lead	49.1	---	0.200	mg/kg wet	10	50.0	---	98	80-120%	---	---	---
Mercury	1.01	---	0.0800	mg/kg wet	10	1.00	---	101	80-120%	---	---	---
Molybdenum	24.7	---	1.00	mg/kg wet	10	25.0	---	99	80-120%	---	---	---
Nickel	51.3	---	2.00	mg/kg wet	10	50.0	---	103	80-120%	---	---	---
Selenium	24.9	---	1.00	mg/kg wet	10	25.0	---	99	80-120%	---	---	---

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ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
---	---	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D0933 - EPA 3051A						Soil						
LCS (25D0933-BS1)						Prepared: 04/23/25 08:44 Analyzed: 04/23/25 18:21						
Silver	24.9	---	0.200	mg/kg wet	10	25.0	---	100	80-120%	---	---	
Thallium	26.2	---	0.200	mg/kg wet	10	25.0	---	105	80-120%	---	---	
Vanadium	47.4	---	2.00	mg/kg wet	10	50.0	---	95	80-120%	---	---	
Zinc	50.1	---	4.00	mg/kg wet	10	50.0	---	100	80-120%	---	---	

Duplicate (25D0933-DUP1)						Prepared: 04/23/25 08:44 Analyzed: 04/23/25 18:31						
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QC Source Sample: DU1-0.0-0.5 (A5D1456-02)

EPA 6020B												
Antimony	ND	---	1.10	mg/kg dry	10	---	ND	---	---	---	20%	PRO
Arsenic	16.4	---	1.10	mg/kg dry	10	---	16.7	---	---	2	20%	PRO
Barium	137	---	1.10	mg/kg dry	10	---	140	---	---	2	20%	PRO
Beryllium	0.665	---	0.219	mg/kg dry	10	---	0.684	---	---	3	20%	PRO
Cadmium	ND	---	0.219	mg/kg dry	10	---	ND	---	---	---	20%	PRO
Chromium	39.5	---	1.10	mg/kg dry	10	---	39.9	---	---	0.9	20%	PRO
Cobalt	16.6	---	1.10	mg/kg dry	10	---	16.8	---	---	2	20%	PRO
Copper	29.0	---	2.19	mg/kg dry	10	---	29.6	---	---	2	20%	PRO
Lead	45.9	---	0.219	mg/kg dry	10	---	51.6	---	---	12	20%	PRO
Mercury	ND	---	0.0877	mg/kg dry	10	---	ND	---	---	---	20%	PRO
Molybdenum	ND	---	1.10	mg/kg dry	10	---	ND	---	---	---	20%	PRO
Nickel	24.2	---	2.19	mg/kg dry	10	---	24.7	---	---	2	20%	PRO
Selenium	ND	---	1.10	mg/kg dry	10	---	ND	---	---	---	20%	PRO
Silver	ND	---	0.219	mg/kg dry	10	---	ND	---	---	---	20%	PRO
Thallium	ND	---	0.219	mg/kg dry	10	---	ND	---	---	---	20%	PRO
Vanadium	72.5	---	2.19	mg/kg dry	10	---	73.1	---	---	0.8	20%	PRO
Zinc	42.7	---	4.38	mg/kg dry	10	---	43.7	---	---	2	20%	PRO

Matrix Spike (25D0933-MS1)						Prepared: 04/23/25 08:44 Analyzed: 04/23/25 18:36						
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QC Source Sample: DU1-0.0-0.5 (A5D1456-02)

EPA 6020B												
Antimony	23.5	---	1.07	mg/kg dry	10	26.8	ND	88	75-125%	---	---	PRO
Arsenic	70.4	---	1.07	mg/kg dry	10	53.5	16.7	100	75-125%	---	---	PRO
Barium	195	---	1.07	mg/kg dry	10	53.5	140	103	75-125%	---	---	PRO
Beryllium	27.0	---	0.214	mg/kg dry	10	26.8	0.684	98	75-125%	---	---	PRO
Cadmium	54.5	---	0.214	mg/kg dry	10	53.5	ND	102	75-125%	---	---	PRO

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---	---	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D0933 - EPA 3051A						Soil						
Matrix Spike (25D0933-MS1)						Prepared: 04/23/25 08:44 Analyzed: 04/23/25 18:36						
QC Source Sample: DU1-0.0-0.5 (A5D1456-02)												
Chromium	105	---	1.07	mg/kg dry	10	53.5	39.9	122	75-125%	---	---	PRO
Cobalt	68.8	---	1.07	mg/kg dry	10	53.5	16.8	97	75-125%	---	---	PRO
Copper	84.9	---	2.14	mg/kg dry	10	53.5	29.6	103	75-125%	---	---	PRO
Lead	102	---	0.214	mg/kg dry	10	53.5	51.6	94	75-125%	---	---	PRO
Mercury	1.04	---	0.0857	mg/kg dry	10	1.07	ND	97	75-125%	---	---	PRO
Molybdenum	24.2	---	1.07	mg/kg dry	10	26.8	ND	90	75-125%	---	---	PRO
Nickel	84.1	---	2.14	mg/kg dry	10	53.5	24.7	111	75-125%	---	---	PRO
Selenium	25.0	---	1.07	mg/kg dry	10	26.8	ND	94	75-125%	---	---	PRO
Silver	26.0	---	0.214	mg/kg dry	10	26.8	ND	97	75-125%	---	---	PRO
Thallium	27.0	---	0.214	mg/kg dry	10	26.8	ND	101	75-125%	---	---	PRO
Vanadium	131	---	2.14	mg/kg dry	10	53.5	73.1	108	75-125%	---	---	PRO
Zinc	103	---	4.28	mg/kg dry	10	53.5	43.7	112	75-125%	---	---	PRO

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

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Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
---	---	---

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 25D0950 - Dry Weight Prep (EPA 8000D)						Soil						
Duplicate (25D0950-DUP1)			Prepared: 04/23/25 10:57 Analyzed: 04/24/25 04:30									
<u>QC Source Sample: Non-SDG (A5D1625-01)</u>												
% Solids	54.0	---	1.00	%	1	---	53.9	---	---	0.2	10%	
Duplicate (25D0950-DUP2)			Prepared: 04/23/25 10:57 Analyzed: 04/24/25 04:30									
<u>QC Source Sample: Non-SDG (A5D1626-01)</u>												
% Solids	57.6	---	1.00	%	1	---	57.5	---	---	0.04	10%	
Duplicate (25D0950-DUP3)			Prepared: 04/23/25 19:38 Analyzed: 04/24/25 04:30									
<u>QC Source Sample: Non-SDG (A5D1735-01)</u>												
% Solids	78.6	---	1.00	%	1	---	78.6	---	---	0.02	10%	
Duplicate (25D0950-DUP4)			Prepared: 04/23/25 19:38 Analyzed: 04/24/25 04:30									
<u>QC Source Sample: Non-SDG (A5D1745-02)</u>												
% Solids	89.9	---	1.00	%	1	---	88.4	---	---	2	10%	
Duplicate (25D0950-DUP5)			Prepared: 04/23/25 19:58 Analyzed: 04/24/25 04:30									PRO
<u>QC Source Sample: DU1-0.0-0.5 (A5D1456-02)</u>												
<u>EPA 8000D</u>												
% Solids	97.4	---	1.00	%	1	---	97.3	---	---	0.09	10%	
Duplicate (25D0950-DUP6)			Prepared: 04/23/25 19:58 Analyzed: 04/24/25 04:30									PRO
<u>QC Source Sample: DU5-1.0-1.5 (A5D1456-38)</u>												
<u>EPA 8000D</u>												
% Solids	97.2	---	1.00	%	1	---	97.3	---	---	0.03	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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SAMPLE PREPARATION INFORMATION

Organochlorine Pesticides by EPA 8081B

Prep: EPA 3546/3640A (GPC)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 25D1021</u>							
A5D1456-02RE2	Soil	EPA 8081B	04/09/25 14:30	04/23/25 11:02	11.63g/10mL	10g/5mL	1.72
A5D1456-04RE4	Soil	EPA 8081B	04/09/25 14:35	04/23/25 11:02	11.58g/10mL	10g/5mL	1.73
A5D1456-06RE2	Soil	EPA 8081B	04/09/25 14:40	04/23/25 11:02	11.93g/10mL	10g/5mL	1.68
A5D1456-10RE2	Soil	EPA 8081B	04/09/25 09:45	04/23/25 11:02	11.75g/10mL	10g/5mL	1.70
A5D1456-12RE2	Soil	EPA 8081B	04/09/25 09:55	04/23/25 11:02	11.39g/10mL	10g/5mL	1.76
A5D1456-14RE2	Soil	EPA 8081B	04/09/25 10:00	04/23/25 11:02	11.33g/10mL	10g/5mL	1.77
A5D1456-18RE2	Soil	EPA 8081B	04/09/25 10:30	04/23/25 11:02	11.61g/10mL	10g/5mL	1.72
A5D1456-20RE4	Soil	EPA 8081B	04/09/25 10:35	04/23/25 11:02	11.2g/10mL	10g/5mL	1.79
A5D1456-22RE1	Soil	EPA 8081B	04/09/25 10:40	04/23/25 11:02	11.23g/10mL	10g/5mL	1.78
A5D1456-26RE2	Soil	EPA 8081B	04/09/25 13:00	04/23/25 11:02	11.59g/10mL	10g/5mL	1.73
A5D1456-28RE2	Soil	EPA 8081B	04/09/25 13:05	04/23/25 11:02	11.71g/10mL	10g/5mL	1.71
A5D1456-30RE2	Soil	EPA 8081B	04/09/25 13:10	04/23/25 11:02	11.75g/10mL	10g/5mL	1.70
A5D1456-34RE2	Soil	EPA 8081B	04/09/25 12:30	04/23/25 11:02	11.56g/10mL	10g/5mL	1.73
A5D1456-36RE2	Soil	EPA 8081B	04/09/25 12:35	04/23/25 11:02	11.96g/10mL	10g/5mL	1.67
A5D1456-38RE1	Soil	EPA 8081B	04/09/25 12:40	04/23/25 11:02	11.15g/10mL	10g/5mL	1.79

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 25D0927</u>							
A5D1456-02	Soil	EPA 8270E OPPs	04/09/25 14:30	04/23/25 08:17	11.66g/5mL	10g/5mL	0.86
A5D1456-04	Soil	EPA 8270E OPPs	04/09/25 14:35	04/23/25 08:17	11.46g/5mL	10g/5mL	0.87
A5D1456-06	Soil	EPA 8270E OPPs	04/09/25 14:40	04/23/25 08:17	11.69g/5mL	10g/5mL	0.86
A5D1456-10	Soil	EPA 8270E OPPs	04/09/25 09:45	04/23/25 08:17	11.18g/5mL	10g/5mL	0.89
A5D1456-12	Soil	EPA 8270E OPPs	04/09/25 09:55	04/23/25 08:17	11.18g/5mL	10g/5mL	0.89
A5D1456-14	Soil	EPA 8270E OPPs	04/09/25 10:00	04/23/25 08:17	11.57g/5mL	10g/5mL	0.86
A5D1456-18	Soil	EPA 8270E OPPs	04/09/25 10:30	04/23/25 08:17	11.39g/5mL	10g/5mL	0.88
A5D1456-20	Soil	EPA 8270E OPPs	04/09/25 10:35	04/23/25 08:17	11.46g/5mL	10g/5mL	0.87
A5D1456-22	Soil	EPA 8270E OPPs	04/09/25 10:40	04/23/25 08:17	11.22g/5mL	10g/5mL	0.89
A5D1456-26	Soil	EPA 8270E OPPs	04/09/25 13:00	04/23/25 08:17	11.58g/5mL	10g/5mL	0.86
A5D1456-28	Soil	EPA 8270E OPPs	04/09/25 13:05	04/23/25 08:17	11.41g/5mL	10g/5mL	0.88
A5D1456-30	Soil	EPA 8270E OPPs	04/09/25 13:10	04/23/25 08:17	11.61g/5mL	10g/5mL	0.86
A5D1456-34	Soil	EPA 8270E OPPs	04/09/25 12:30	04/23/25 08:17	11.06g/5mL	10g/5mL	0.90
A5D1456-36	Soil	EPA 8270E OPPs	04/09/25 12:35	04/23/25 08:17	11.91g/5mL	10g/5mL	0.84
A5D1456-38	Soil	EPA 8270E OPPs	04/09/25 12:40	04/23/25 08:17	11.46g/5mL	10g/5mL	0.87

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503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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SAMPLE PREPARATION INFORMATION

Organophosphorus Pesticides (OPPs) by EPA 8270E (GC/MS)

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 25D0933</u>							
A5D1456-02	Soil	EPA 6020B	04/09/25 14:30	04/23/25 08:44	0.465g/50mL	0.5g/50mL	1.08
A5D1456-04	Soil	EPA 6020B	04/09/25 14:35	04/23/25 08:44	0.487g/50mL	0.5g/50mL	1.03
A5D1456-06	Soil	EPA 6020B	04/09/25 14:40	04/23/25 08:44	0.489g/50mL	0.5g/50mL	1.02
A5D1456-10	Soil	EPA 6020B	04/09/25 09:45	04/23/25 08:44	0.458g/50mL	0.5g/50mL	1.09
A5D1456-12	Soil	EPA 6020B	04/09/25 09:55	04/23/25 08:44	0.492g/50mL	0.5g/50mL	1.02
A5D1456-14	Soil	EPA 6020B	04/09/25 10:00	04/23/25 08:44	0.462g/50mL	0.5g/50mL	1.08
A5D1456-18	Soil	EPA 6020B	04/09/25 10:30	04/23/25 08:44	0.504g/50mL	0.5g/50mL	0.99
A5D1456-20	Soil	EPA 6020B	04/09/25 10:35	04/23/25 08:44	0.473g/50mL	0.5g/50mL	1.06
A5D1456-22	Soil	EPA 6020B	04/09/25 10:40	04/23/25 08:44	0.513g/50mL	0.5g/50mL	0.98
A5D1456-26	Soil	EPA 6020B	04/09/25 13:00	04/23/25 08:44	0.47g/50mL	0.5g/50mL	1.06
A5D1456-28	Soil	EPA 6020B	04/09/25 13:05	04/23/25 08:44	0.486g/50mL	0.5g/50mL	1.03
A5D1456-30	Soil	EPA 6020B	04/09/25 13:10	04/23/25 08:44	0.481g/50mL	0.5g/50mL	1.04
A5D1456-34	Soil	EPA 6020B	04/09/25 12:30	04/23/25 08:44	0.473g/50mL	0.5g/50mL	1.06
A5D1456-36	Soil	EPA 6020B	04/09/25 12:35	04/23/25 08:44	0.489g/50mL	0.5g/50mL	1.02
A5D1456-38	Soil	EPA 6020B	04/09/25 12:40	04/23/25 08:44	0.483g/50mL	0.5g/50mL	1.04

Percent Dry Weight

Prep: Dry Weight Prep (EPA 8000D)					Sample	Default	RL Prep
Lab Number	Matrix	Method	Sampled	Prepared	Initial/Final	Initial/Final	Factor
<u>Batch: 25D0950</u>							
A5D1456-02	Soil	EPA 8000D	04/09/25 14:30	04/23/25 19:58	1g	1g	1.00
A5D1456-04	Soil	EPA 8000D	04/09/25 14:35	04/23/25 19:58	1g	1g	1.00
A5D1456-06	Soil	EPA 8000D	04/09/25 14:40	04/23/25 19:58	1g	1g	1.00
A5D1456-10	Soil	EPA 8000D	04/09/25 09:45	04/23/25 19:58	1g	1g	1.00
A5D1456-12	Soil	EPA 8000D	04/09/25 09:55	04/23/25 19:58	1g	1g	1.00
A5D1456-14	Soil	EPA 8000D	04/09/25 10:00	04/23/25 19:58	1g	1g	1.00
A5D1456-18	Soil	EPA 8000D	04/09/25 10:30	04/23/25 19:58	1g	1g	1.00
A5D1456-20	Soil	EPA 8000D	04/09/25 10:35	04/23/25 19:58	1g	1g	1.00
A5D1456-22	Soil	EPA 8000D	04/09/25 10:40	04/23/25 19:58	1g	1g	1.00
A5D1456-26	Soil	EPA 8000D	04/09/25 13:00	04/23/25 19:58	1g	1g	1.00
A5D1456-28	Soil	EPA 8000D	04/09/25 13:05	04/23/25 19:58	1g	1g	1.00
A5D1456-30	Soil	EPA 8000D	04/09/25 13:10	04/23/25 19:58	1g	1g	1.00
A5D1456-34	Soil	EPA 8000D	04/09/25 12:30	04/23/25 19:58	1g	1g	1.00

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Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
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SAMPLE PREPARATION INFORMATION

Percent Dry Weight

Prep: Dry Weight Prep (EPA 8000D)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A5D1456-36	Soil	EPA 8000D	04/09/25 12:35	04/23/25 19:58	1g	1g	1.00
A5D1456-38	Soil	EPA 8000D	04/09/25 12:40	04/23/25 19:58	1g	1g	1.00

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ORELAP ID: OR100062

Alpine Environmental Consultants

12210 Antioch Road
White City, OR 97503

Project: **Skyview Estates**

Project Number: **AEC2025-09**

Project Manager: **Jonathan Williams**

Report ID:

A5D1456 - 05 08 25 1211

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

- C-05** Extract has undergone a GPC (Gel-Permeation Chromatography) cleanup per EPA 3640A. Reporting levels may be raised due to dilution necessary for cleanup. Sample Final Volume includes the GPC dilution factor, see the Prep page for details.
- PRO** Sample has undergone sample processing prior to extraction and analysis.
- Q-01** Spike recovery and/or RPD is outside acceptance limits.
- Q-17** RPD between original and duplicate sample, or spike duplicates, is outside of established control limits.
- Q-42** Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)
- R-02** The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
- S-03** Sample re-extract, or the analysis of an associated Batch QC sample, confirms surrogate failure due to sample matrix effect.
- S-06** Surrogate recovery is outside of established control limits.

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

- DET Analyte DETECTED at or above the detection or reporting limit.
- ND Analyte NOT DETECTED at or above the detection or reporting limit.
- NR Result Not Reported
- RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Validated Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting and Detection Limits: Default Limits

Default Reporting and Detection Limits are based on 100% dry weight with the minimum dilution for the analysis. Reporting and Detection Limits are raised due to moisture content, additional dilutions required for analysis, matrix interferences and in other cases, as necessary.

Reporting Conventions:

- Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.
 - "dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.
 - "wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.
 - " " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.
- Results for Volatiles analyses on soils and sediments that are reported on a "dry weight" basis include the water miscible solvent (WMS) correction referenced in the EPA 8000 Method guidance documents. Solid and Liquid samples reported on an "As Received" basis do not have the WMS correction applied, as dry weight was not performed.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.
Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

- " --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.
- " *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

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REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to one half of the Reporting Limit (RL). Blank results for gravimetric analyses are evaluated to the Reporting Level, not to half of the Reporting Level.

- For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
- For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.

For further details, please request a copy of this document.

- Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level, if results are not reported to the MDL.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

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ORELAP ID: OR100062

Alpine Environmental Consultants	Project: Skyview Estates	Report ID:
12210 Antioch Road White City, OR 97503	Project Number: AEC2025-09 Project Manager: Jonathan Williams	A5D1456 - 05 08 25 1211

Decanted Samples:

Soils/Sediments:

Unless TCLP analysis is required or there is notification otherwise for a specific project, all Soil and Sediments containing excess water are decanted prior to analysis in order to provide the most representative sample for analysis.

Water Samples:

Water samples containing solids and sediment may need to be decanted in order to eliminate these particulates from the water extractions. In the case of organics extractions, a solvent rinse of the container will not be performed.

Volatiles Soils (5035s)

Samples that are field preserved by 5035 for volatiles are dry weight corrected using the same dry weight correction as for normal analyses. In the case of decanted samples, the dry weight may be performed on a decanted sample, while the aliquot for 5035 may not have been treated the same way. If this is a concern, please submit separate containers for dry weight analysis for volatiles can be provided.

All samples decanted in the laboratory are noted in this report with the DCNT qualifier indicating the sample was decanted.

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Darwin Thomas, Business Development Director



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LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) -
EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
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All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation. Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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ANALYTICAL REPORT

Apex Laboratories, LLC
 6700 S.W. Sandburg Street
 Tigard, OR 97223
 503-718-2323
 ORELAP ID: ORI00062

Alpine Environmental Consultants
 12210 Antioch Road
 White City, OR 97503

Project: Skiview Estates
 Project Number: AEC2025-09
 Project Manager: Jonathan Williams

Report ID:
 ASD1456 - 05 08 25 1211

APEX LABS CHAIN OF CUSTODY Lab # ASD1456 COC 1 3

6700 SW Sandburg Street, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-336-0745

Company: Alpine Environmental Corporation LLC		Project Mgr: Jonathan Williams		Project Name: Skiview Estates		Project # AEC2025-09																	
Address: 12210 Antioch Rd, White City Oregon			Phone: 541-944-4685		Fax:			Email: jwilliams@alpine-env-llc															
Sampled by: Toby Shallcross				ANALYSIS REQUEST																			
Site Location: OR WA Other: _____	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-PCID	NWTPH-Dx	NWTPH-Gx	BTEX	8260 RBDIM VOCs	8260 Halo VOCs	8260 VOCs	8270 SIM PAHs	8131A Chlorinated Herb	8081 Chlor. Pest	Ag 17 Metals	8270E Organophosphorus	AL, Sb, Ba, Be, Cd, Cr, Cu, Pb, Se, Ag, Na, Ti, V, Zn	TCLEP Metals (6)	ISM	Hold and Archive*		
SAMPLE ID																							
1 DU1-0.0-0.5		4/9/2025	1430	S	1									X	X	X	X			X	X		
2 DU1-0.5-1.0		4/9/2025	1435	S	1									X	X	X	X			X	X		
3 DU1-1.0-1.5		4/9/2025	1440	S	1									X	X	X	X			X	X		
4 DU1-1.5-2.0		4/9/2025	1445	S	1															X	X		
5 DU1-2.0-3.0		4/9/2025	1450	S	1															X	X		
6 DU2-0.0-0.5		4/9/2025	945	S	1									X	X	X	X			X	X		
7 DU2-0.5-1.0		4/9/2025	955	S	1									X	X	X	X			X	X		
8 DU2-1.0-1.5		4/9/2025	1000	S	1									X	X	X	X			X	X		
9 DU2-1.5-2.0		4/9/2025	1005	S	1															X	X		
10 DU2-2.0-3.0		4/9/2025	1010	S	1															X	X		
Normal Turn Around Time (TAT) = 7-10 Business Days				YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		SPECIAL INSTRUCTIONS:																	
TAT Requested (circle)				1 Day 2 Day 3 Day 4 DAY 5 DAY Other: _____		*Please hold and archive, pending results of shallower interval results.																	
SAMPLES ARE HELD FOR 30 DAYS																							
RELINQUISHED BY: <i>Toby Shallcross</i> Signature: Toby Shallcross Date: 4/14/25				RECEIVED BY: <i>Katrina Menden</i> Signature: <i>Katrina Menden</i> Date: 4/15/25				RELINQUISHED BY:				RECEIVED BY:											
Printed Name: Toby Shallcross Time: 1:45				Printed Name: Katrina Menden Time: 12:00				Printed Name:				Printed Name:											
Company: AEC				Company: APEX				Company:				Company:											

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Darwin Thomas

Apex Laboratories

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants
12210 Antioch Road
White City, OR 97503

Project: Skyview Estates
Project Number: AEC2025-09
Project Manager: Jonathan Williams

Report ID: ASD1456 - 05 08 25 1211

APEX LABS

CHAIN OF CUSTODY

Lab # ASD1456 COC 2 3

6700 SW Sandburg Street, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-336-0745

Form containing company information, project details, analysis request table with columns for various chemical tests (e.g., NWTPL-HCID, BTEX, VOCs, PAHs, Metals), and signature blocks for relinquished and received parties.

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Apex Laboratories

Signature of Darwin Thomas

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC
 6700 S.W. Sandburg Street
 Tigard, OR 97223
 503-718-2323
 ORELAP ID: OR100062

Alpine Environmental Consultants
 12210 Antioch Road
 White City, OR 97503

Project: Skyview Estates
 Project Number: AEC2025-09
 Project Manager: Jonathan Williams

Report ID:
 ASD1456 - 05 08 25 1211

APEX LABS **CHAIN OF CUSTODY** Lab # ASD1456 COC 3 3

6700 SW Sandburg Street, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-336-0745

Company: Alpine Environmental Corporation LLC		Project Mgr: Jonathan Williams		Project Name: Skyview Estates		Project # AEC2025-09		
Address: 12210 Antioch Rd, White City Oregon			Phone: 541-944-4685		Fax:			Email: jwilliams@alpine-env-llc
Sampled by: Toby Shallcross				ANALYSIS REQUEST				
Site Location: OR WA Other: _____								
SAMPLE ID		LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS		
1	DUS-0.0-0.5		4/9/2025	1230	S	1		
2	DUS-0.5-1.0		4/9/2025	1235	S	1		
3	DUS-1.0-1.5		4/9/2025	1240	S	1		
4	DUS-1.5-2.0		4/9/2025	1245	S	1		
5	DUS-2.0-3.0		4/9/2025	1250	S	1		
6								
7								
8								
9								
10								
Normal Turn Around Time (TAT) = 7-10 Business Days YES x NO				SPECIAL INSTRUCTIONS:				
TAT Requested (circle)		1 Day 2 Day 3 Day		*Please hold and archive, pending results of shallower interval results.				
		4 DAY 5 DAY Other: _____						
SAMPLES ARE HELD FOR 30 DAYS								
RELINQUISHED BY: <i>Toby Shallcross</i>				RECEIVED BY: <i>John M</i>				
Signature: Toby Shallcross		Date: 4/14/25		Signature: <i>John M</i>		Date: 4/15/25		
Printed Name: Toby Shallcross		Time: 16:45		Printed Name: Patricia M... ..		Time: 12:00		
Company: AEC				Company: Apex				

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Apex Laboratories

Darwin Thomas, Business Development Director



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Alpine Environmental Consultants 12210 Antioch Road White City, OR 97503	Project: Skyview Estates Project Number: AEC2025-09 Project Manager: Jonathan Williams	Report ID: A5D1456 - 05 08 25 1211
---	---	---

APEX LABS COOLER RECEIPT FORM

Client: Alpine Environmental Corporation LLC Element WO#: A5D1456

Project/Project #: Skyview Estates / AEC2025-09

Delivery Info:
 Date/time received: 4/15/25 @ 12:00 By: RJM
 Delivered by: Apex Client ESS FedEx UPS Radio Morgan SDS Evergreen Other
 From USDA Regulated Origin? Yes No

Cooler Inspection Date/time inspected: 4/15/25 @ 12:00 By: RJM
 Chain of Custody included? Yes No
 Signed/dated by client? Yes No
 Contains USDA Reg. Soils? Yes No Unsure (email RegSoils)

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>4.9</u>	<u>0.6</u>	<u>4.6</u>				
Custody seals? (Y/N)	<u>Y</u>	<u>Y</u>	<u>Y</u>				
Received on ice? (Y/N)	<u>Y</u>	<u>Y</u>	<u>Y</u>				
Temp. blanks? (Y/N)	<u>Y</u>	<u>Y</u>	<u>Y</u>				
Ice type: (Gel/Real/Other)	<u>Real</u>	<u>Real</u>	<u>P</u>				
Condition (In/Out):	<u>In</u>	<u>In</u>	<u>In</u>				

Cooler out of temp? (Y/N) N Possible reason why: _____
 Green dots applied to out of temperature samples? Yes No
 Out of temperature samples form initiated? Yes No
Sample Inspection: Date/time inspected: 4/15/25 @ 13:02 By: RJM
 All samples intact? Yes No Comments: _____

Bottle labels/COCs agree? Yes No Comments: Cont. for Du4-2.0-3.0 reads
DUS-2.0-3.0, marked by time.
 COC/container discrepancies form initiated? Yes No
 Containers/volumes received appropriate for analysis? Yes No Comments: _____

Do VOA vials have visible headspace? Yes No NA
 Comments: _____
 Water samples: pH checked: Yes No NA pH appropriate? Yes No NA pH ID: _____
 Comments: _____

Labeled by: RJM Witness: AMW Cooler Inspected by: RJM
 2975 6380 6390

Form Y-003 R-02

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Darwin Thomas
Apex Laboratories LLC
6700 SW Sandburg St.
Tigard, Oregon 97223

Generated 4/28/2025 7:49:39 AM

JOB DESCRIPTION

A5D1456

JOB NUMBER

280-206530-1

Eurofins Denver

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

Authorization



Generated
4/28/2025 7:49:39 AM

Authorized for release by
Nicole Ryan, Project Manager I
Nicole.Ryan@ET.eurofinsus.com
(303)736-0100



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Definitions/Glossary

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Qualifiers

LCMS

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Apex Laboratories LLC
Project: A5D1456

Job ID: 280-206530-1

Job ID: 280-206530-1

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Job Narrative 280-206530-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/24/2025 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.8°C.

Receipt Exceptions

The following sample(s) was received outside of holding time: All samples received out of hold for methods requested. DU1-0.0-0.5 (280-206530-1), DU1-0.5-1.0 (280-206530-2), DU1-1.0-1.5 (280-206530-3), DU2-0.0-0.5 (280-206530-4), DU2-0.5-1.0 (280-206530-5), DU2-1.0-1.5 (280-206530-6), DU3-0.0-0.5 (280-206530-7), DU3-0.5-1.0 (280-206530-8), DU3-1.0-1.5 (280-206530-9), DU4-0.0-0.5 (280-206530-10), DU4-0.5-1.0 (280-206530-11), DU4-1.0-1.5 (280-206530-12), DU5-0.0-0.5 (280-206530-13), DU5-0.5-1.0 (280-206530-14) and DU5-1.0-1.5 (280-206530-15).

Method 8321B - Herbicides (LC/MS)

Samples DU1-0.0-0.5 (280-206530-1), DU1-0.5-1.0 (280-206530-2), DU1-1.0-1.5 (280-206530-3), DU2-0.0-0.5 (280-206530-4), DU2-0.5-1.0 (280-206530-5), DU2-1.0-1.5 (280-206530-6), DU3-0.0-0.5 (280-206530-7), DU3-0.5-1.0 (280-206530-8), DU3-1.0-1.5 (280-206530-9), DU4-0.0-0.5 (280-206530-10), DU4-0.5-1.0 (280-206530-11), DU4-1.0-1.5 (280-206530-12), DU5-0.0-0.5 (280-206530-13), DU5-0.5-1.0 (280-206530-14) and DU5-1.0-1.5 (280-206530-15) were analyzed for Herbicides (LC/MS). The samples were prepared on 4/25/2025 and analyzed on 4/26/2025.

Samples DU2-0.0-0.5 (280-206530-4)[5x] and DU3-0.0-0.5 (280-206530-7)[5x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following samples were received outside of holding time: DU1-0.0-0.5 (280-206530-1), DU1-0.5-1.0 (280-206530-2), DU1-1.0-1.5 (280-206530-3), DU2-0.0-0.5 (280-206530-4), DU2-0.5-1.0 (280-206530-5), DU2-1.0-1.5 (280-206530-6), DU3-0.0-0.5 (280-206530-7), DU3-0.5-1.0 (280-206530-8), DU3-1.0-1.5 (280-206530-9), DU4-0.0-0.5 (280-206530-10), DU4-0.5-1.0 (280-206530-11), DU4-1.0-1.5 (280-206530-12), DU5-0.0-0.5 (280-206530-13), DU5-0.5-1.0 (280-206530-14) and DU5-1.0-1.5 (280-206530-15) in preparation batch 280-693136.

The following samples were diluted due to physical characteristic, such as color, odor, appearance, viscosity, etc.>>: DU2-0.0-0.5 (280-206530-4) and DU3-0.0-0.5 (280-206530-7). Elevated reporting limits (RL) are provided.

The continuing calibration verification (CCV) associated with batch 280-693430 recovered above the upper control limit for Silvex (2,4,5-TP). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:DU2-0.0-0.5 (280-206530-4), DU2-0.5-1.0 (280-206530-5), DU2-1.0-1.5 (280-206530-6), DU3-0.0-0.5 (280-206530-7), DU3-0.5-1.0 (280-206530-8), DU3-1.0-1.5 (280-206530-9), DU4-0.0-0.5 (280-206530-10), DU4-0.5-1.0 (280-206530-11), DU4-1.0-1.5 (280-206530-12), DU5-0.0-0.5 (280-206530-13), DU5-0.5-1.0 (280-206530-14), DU5-1.0-1.5 (280-206530-15) and (CCV 280-693430/101).

The continuing calibration verification (CCV) associated with batch 280-693430 recovered above the upper control limit for Silvex (2,4,5-TP). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:DU1-0.0-0.5 (280-206530-1), DU1-0.5-1.0 (280-206530-2), DU1-1.0-1.5 (280-206530-3), (CCV 280-693430/89) and (280-206486-A-2-F).

Method Moisture - Percent Moisture

Samples DU1-0.0-0.5 (280-206530-1), DU1-0.5-1.0 (280-206530-2), DU1-1.0-1.5 (280-206530-3), DU2-0.0-0.5 (280-206530-4), DU2-0.5-1.0 (280-206530-5), DU2-1.0-1.5 (280-206530-6), DU3-0.0-0.5 (280-206530-7), DU3-0.5-1.0 (280-206530-8),

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Case Narrative

Client: Apex Laboratories LLC
Project: A5D1456

Job ID: 280-206530-1

Job ID: 280-206530-1 (Continued)

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DU3-1.0-1.5 (280-206530-9), DU4-0.0-0.5 (280-206530-10), DU4-0.5-1.0 (280-206530-11), DU4-1.0-1.5 (280-206530-12), DU5-0.0-0.5 (280-206530-13), DU5-0.5-1.0 (280-206530-14) and DU5-1.0-1.5 (280-206530-15) were analyzed for Percent Moisture. The samples were analyzed on 4/24/2025.

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Detection Summary

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Client Sample ID: DU1-0.0-0.5	Lab Sample ID: 280-206530-1
<input type="checkbox"/> No Detections.	
Client Sample ID: DU1-0.5-1.0	Lab Sample ID: 280-206530-2
<input type="checkbox"/> No Detections.	
Client Sample ID: DU1-1.0-1.5	Lab Sample ID: 280-206530-3
<input type="checkbox"/> No Detections.	
Client Sample ID: DU2-0.0-0.5	Lab Sample ID: 280-206530-4
<input type="checkbox"/> No Detections.	
Client Sample ID: DU2-0.5-1.0	Lab Sample ID: 280-206530-5
<input type="checkbox"/> No Detections.	
Client Sample ID: DU2-1.0-1.5	Lab Sample ID: 280-206530-6
<input type="checkbox"/> No Detections.	
Client Sample ID: DU3-0.0-0.5	Lab Sample ID: 280-206530-7
<input type="checkbox"/> No Detections.	
Client Sample ID: DU3-0.5-1.0	Lab Sample ID: 280-206530-8
<input type="checkbox"/> No Detections.	
Client Sample ID: DU3-1.0-1.5	Lab Sample ID: 280-206530-9
<input type="checkbox"/> No Detections.	
Client Sample ID: DU4-0.0-0.5	Lab Sample ID: 280-206530-10
<input type="checkbox"/> No Detections.	
Client Sample ID: DU4-0.5-1.0	Lab Sample ID: 280-206530-11
<input type="checkbox"/> No Detections.	
Client Sample ID: DU4-1.0-1.5	Lab Sample ID: 280-206530-12
<input type="checkbox"/> No Detections.	
Client Sample ID: DU5-0.0-0.5	Lab Sample ID: 280-206530-13
<input type="checkbox"/> No Detections.	
Client Sample ID: DU5-0.5-1.0	Lab Sample ID: 280-206530-14
<input type="checkbox"/> No Detections.	
Client Sample ID: DU5-1.0-1.5	Lab Sample ID: 280-206530-15
<input type="checkbox"/> No Detections.	

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Method	Method Description	Protocol	Laboratory
8321B	Herbicides (LC/MS)	SW846	EET DEN
Moisture	Percent Moisture	EPA	EET DEN
Auto Shaker	Wrist Action Shaker Extraction Technique	None	EET DEN

Protocol References:

EPA = US Environmental Protection Agency

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100



Sample Summary

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
280-206530-1	DU1-0.0-0.5	Solid	04/09/25 14:30	04/24/25 09:50
280-206530-2	DU1-0.5-1.0	Solid	04/09/25 14:35	04/24/25 09:50
280-206530-3	DU1-1.0-1.5	Solid	04/09/25 14:40	04/24/25 09:50
280-206530-4	DU2-0.0-0.5	Solid	04/09/25 09:45	04/24/25 09:50
280-206530-5	DU2-0.5-1.0	Solid	04/09/25 09:55	04/24/25 09:50
280-206530-6	DU2-1.0-1.5	Solid	04/09/25 10:00	04/24/25 09:50
280-206530-7	DU3-0.0-0.5	Solid	04/09/25 10:30	04/24/25 09:50
280-206530-8	DU3-0.5-1.0	Solid	04/09/25 10:35	04/24/25 09:50
280-206530-9	DU3-1.0-1.5	Solid	04/09/25 10:40	04/24/25 09:50
280-206530-10	DU4-0.0-0.5	Solid	04/09/25 13:00	04/24/25 09:50
280-206530-11	DU4-0.5-1.0	Solid	04/09/25 13:05	04/24/25 09:50
280-206530-12	DU4-1.0-1.5	Solid	04/09/25 13:10	04/24/25 09:50
280-206530-13	DU5-0.0-0.5	Solid	04/09/25 12:30	04/24/25 09:50
280-206530-14	DU5-0.5-1.0	Solid	04/09/25 12:35	04/24/25 09:50
280-206530-15	DU5-1.0-1.5	Solid	04/09/25 12:40	04/24/25 09:50



Client Sample Results

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Method: SW846 8321B - Herbicides (LC/MS)

Client Sample ID: DU1-0.0-0.5
Date Collected: 04/09/25 14:30
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-1
Matrix: Solid
Percent Solids: 96.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND	H H3	9.4	2.4	ug/Kg	✱	04/25/25 10:55	04/26/25 05:01	1
2,4-D	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 05:01	1
MCPA	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 05:01	1
2,4,5-T	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 05:01	1
Silvex (2,4,5-TP)	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 05:01	1
MCPP	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 05:01	1
Dicamba	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 05:01	1
Dichlorprop	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 05:01	1
Dalapon	ND	H H3	9.4	2.4	ug/Kg	✱	04/25/25 10:55	04/26/25 05:01	1
Dinoseb	ND	H H3	9.4	2.4	ug/Kg	✱	04/25/25 10:55	04/26/25 05:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA (Surr)	60		45 - 130				04/25/25 10:55	04/26/25 05:01	1

Client Sample ID: DU1-0.5-1.0
Date Collected: 04/09/25 14:35
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-2
Matrix: Solid
Percent Solids: 96.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND	H H3	9.4	2.3	ug/Kg	✱	04/25/25 10:55	04/26/25 05:08	1
2,4-D	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 05:08	1
MCPA	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 05:08	1
2,4,5-T	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 05:08	1
Silvex (2,4,5-TP)	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 05:08	1
MCPP	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 05:08	1
Dicamba	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 05:08	1
Dichlorprop	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 05:08	1
Dalapon	ND	H H3	9.4	2.3	ug/Kg	✱	04/25/25 10:55	04/26/25 05:08	1
Dinoseb	ND	H H3	9.4	2.3	ug/Kg	✱	04/25/25 10:55	04/26/25 05:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA (Surr)	56		45 - 130				04/25/25 10:55	04/26/25 05:08	1

Client Sample ID: DU1-1.0-1.5
Date Collected: 04/09/25 14:40
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-3
Matrix: Solid
Percent Solids: 96.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND	H H3	10	2.6	ug/Kg	✱	04/25/25 10:55	04/26/25 05:14	1
2,4-D	ND	H H3	5.2	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 05:14	1
MCPA	ND	H H3	5.2	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 05:14	1
2,4,5-T	ND	H H3	5.2	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 05:14	1
Silvex (2,4,5-TP)	ND	H H3	5.2	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 05:14	1
MCPP	ND	H H3	5.2	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 05:14	1
Dicamba	ND	H H3	5.2	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 05:14	1
Dichlorprop	ND	H H3	5.2	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 05:14	1
Dalapon	ND	H H3	10	2.6	ug/Kg	✱	04/25/25 10:55	04/26/25 05:14	1
Dinoseb	ND	H H3	10	2.6	ug/Kg	✱	04/25/25 10:55	04/26/25 05:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA (Surr)	55		45 - 130				04/25/25 10:55	04/26/25 05:14	1

Client Sample Results

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Method: SW846 8321B - Herbicides (LC/MS)

Client Sample ID: DU2-0.0-0.5
Date Collected: 04/09/25 09:45
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-4
Matrix: Solid
Percent Solids: 97.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND	H H3	51	13	ug/Kg	✳	04/25/25 10:55	04/26/25 05:34	5
2,4-D	ND	H H3	25	6.4	ug/Kg	✳	04/25/25 10:55	04/26/25 05:34	5
MCPA	ND	H H3	25	6.4	ug/Kg	✳	04/25/25 10:55	04/26/25 05:34	5
2,4,5-T	ND	H H3	25	6.4	ug/Kg	✳	04/25/25 10:55	04/26/25 05:34	5
Silvex (2,4,5-TP)	ND	H H3	25	6.4	ug/Kg	✳	04/25/25 10:55	04/26/25 05:34	5
MCPP	ND	H H3	25	6.4	ug/Kg	✳	04/25/25 10:55	04/26/25 05:34	5
Dicamba	ND	H H3	25	6.4	ug/Kg	✳	04/25/25 10:55	04/26/25 05:34	5
Dichlorprop	ND	H H3	25	6.4	ug/Kg	✳	04/25/25 10:55	04/26/25 05:34	5
Dalapon	ND	H H3	51	13	ug/Kg	✳	04/25/25 10:55	04/26/25 05:34	5
Dinoseb	ND	H H3	51	13	ug/Kg	✳	04/25/25 10:55	04/26/25 05:34	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA (Surr)	54		45 - 130				04/25/25 10:55	04/26/25 05:34	5

Client Sample ID: DU2-0.5-1.0
Date Collected: 04/09/25 09:55
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-5
Matrix: Solid
Percent Solids: 97.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND	H H3	9.4	2.3	ug/Kg	✳	04/25/25 10:55	04/26/25 05:41	1
2,4-D	ND	H H3	4.7	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 05:41	1
MCPA	ND	H H3	4.7	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 05:41	1
2,4,5-T	ND	H H3	4.7	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 05:41	1
Silvex (2,4,5-TP)	ND	H H3	4.7	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 05:41	1
MCPP	ND	H H3	4.7	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 05:41	1
Dicamba	ND	H H3	4.7	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 05:41	1
Dichlorprop	ND	H H3	4.7	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 05:41	1
Dalapon	ND	H H3	9.4	2.3	ug/Kg	✳	04/25/25 10:55	04/26/25 05:41	1
Dinoseb	ND	H H3	9.4	2.3	ug/Kg	✳	04/25/25 10:55	04/26/25 05:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA (Surr)	61		45 - 130				04/25/25 10:55	04/26/25 05:41	1

Client Sample ID: DU2-1.0-1.5
Date Collected: 04/09/25 10:00
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-6
Matrix: Solid
Percent Solids: 96.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND	H H3	9.6	2.4	ug/Kg	✳	04/25/25 10:55	04/26/25 05:48	1
2,4-D	ND	H H3	4.8	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 05:48	1
MCPA	ND	H H3	4.8	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 05:48	1
2,4,5-T	ND	H H3	4.8	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 05:48	1
Silvex (2,4,5-TP)	ND	H H3	4.8	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 05:48	1
MCPP	ND	H H3	4.8	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 05:48	1
Dicamba	ND	H H3	4.8	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 05:48	1
Dichlorprop	ND	H H3	4.8	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 05:48	1
Dalapon	ND	H H3	9.6	2.4	ug/Kg	✳	04/25/25 10:55	04/26/25 05:48	1
Dinoseb	ND	H H3	9.6	2.4	ug/Kg	✳	04/25/25 10:55	04/26/25 05:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA (Surr)	57		45 - 130				04/25/25 10:55	04/26/25 05:48	1

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Client Sample Results

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Method: SW846 8321B - Herbicides (LC/MS)

Client Sample ID: DU3-0.0-0.5
Date Collected: 04/09/25 10:30
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-7
Matrix: Solid
Percent Solids: 96.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND	H H3	48	12	ug/Kg	✱	04/25/25 10:55	04/26/25 05:54	5
2,4-D	ND	H H3	24	6.0	ug/Kg	✱	04/25/25 10:55	04/26/25 05:54	5
MCPA	ND	H H3	24	6.0	ug/Kg	✱	04/25/25 10:55	04/26/25 05:54	5
2,4,5-T	ND	H H3	24	6.0	ug/Kg	✱	04/25/25 10:55	04/26/25 05:54	5
Silvex (2,4,5-TP)	ND	H H3	24	6.0	ug/Kg	✱	04/25/25 10:55	04/26/25 05:54	5
MCPP	ND	H H3	24	6.0	ug/Kg	✱	04/25/25 10:55	04/26/25 05:54	5
Dicamba	ND	H H3	24	6.0	ug/Kg	✱	04/25/25 10:55	04/26/25 05:54	5
Dichlorprop	ND	H H3	24	6.0	ug/Kg	✱	04/25/25 10:55	04/26/25 05:54	5
Dalapon	ND	H H3	48	12	ug/Kg	✱	04/25/25 10:55	04/26/25 05:54	5
Dinoseb	ND	H H3	48	12	ug/Kg	✱	04/25/25 10:55	04/26/25 05:54	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA (Surr)	60		45 - 130				04/25/25 10:55	04/26/25 05:54	5

Client Sample ID: DU3-0.5-1.0
Date Collected: 04/09/25 10:35
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-8
Matrix: Solid
Percent Solids: 96.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND	H H3	9.6	2.4	ug/Kg	✱	04/25/25 10:55	04/26/25 06:01	1
2,4-D	ND	H H3	4.8	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:01	1
MCPA	ND	H H3	4.8	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:01	1
2,4,5-T	ND	H H3	4.8	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:01	1
Silvex (2,4,5-TP)	ND	H H3	4.8	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:01	1
MCPP	ND	H H3	4.8	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:01	1
Dicamba	ND	H H3	4.8	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:01	1
Dichlorprop	ND	H H3	4.8	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:01	1
Dalapon	ND	H H3	9.6	2.4	ug/Kg	✱	04/25/25 10:55	04/26/25 06:01	1
Dinoseb	ND	H H3	9.6	2.4	ug/Kg	✱	04/25/25 10:55	04/26/25 06:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA (Surr)	53		45 - 130				04/25/25 10:55	04/26/25 06:01	1

Client Sample ID: DU3-1.0-1.5
Date Collected: 04/09/25 10:40
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-9
Matrix: Solid
Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND	H H3	10	2.5	ug/Kg	✱	04/25/25 10:55	04/26/25 06:08	1
2,4-D	ND	H H3	5.0	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:08	1
MCPA	ND	H H3	5.0	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:08	1
2,4,5-T	ND	H H3	5.0	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:08	1
Silvex (2,4,5-TP)	ND	H H3	5.0	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:08	1
MCPP	ND	H H3	5.0	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:08	1
Dicamba	ND	H H3	5.0	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:08	1
Dichlorprop	ND	H H3	5.0	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:08	1
Dalapon	ND	H H3	10	2.5	ug/Kg	✱	04/25/25 10:55	04/26/25 06:08	1
Dinoseb	ND	H H3	10	2.5	ug/Kg	✱	04/25/25 10:55	04/26/25 06:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA (Surr)	44	S1-	45 - 130				04/25/25 10:55	04/26/25 06:08	1

Client Sample Results

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Method: SW846 8321B - Herbicides (LC/MS)

Client Sample ID: DU4-0.0-0.5
Date Collected: 04/09/25 13:00
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-10
Matrix: Solid
Percent Solids: 97.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND	H H3	10	2.6	ug/Kg	✱	04/25/25 10:55	04/26/25 06:14	1
2,4-D	ND	H H3	5.1	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:14	1
MCPA	ND	H H3	5.1	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:14	1
2,4,5-T	ND	H H3	5.1	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:14	1
Silvex (2,4,5-TP)	ND	H H3	5.1	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:14	1
MCPP	ND	H H3	5.1	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:14	1
Dicamba	ND	H H3	5.1	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:14	1
Dichlorprop	ND	H H3	5.1	1.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:14	1
Dalapon	ND	H H3	10	2.6	ug/Kg	✱	04/25/25 10:55	04/26/25 06:14	1
Dinoseb	ND	H H3	10	2.6	ug/Kg	✱	04/25/25 10:55	04/26/25 06:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA (Surr)	59		45 - 130				04/25/25 10:55	04/26/25 06:14	1

Client Sample ID: DU4-0.5-1.0
Date Collected: 04/09/25 13:05
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-11
Matrix: Solid
Percent Solids: 97.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND	H H3	9.4	2.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:21	1
2,4-D	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:21	1
MCPA	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:21	1
2,4,5-T	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:21	1
Silvex (2,4,5-TP)	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:21	1
MCPP	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:21	1
Dicamba	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:21	1
Dichlorprop	ND	H H3	4.7	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:21	1
Dalapon	ND	H H3	9.4	2.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:21	1
Dinoseb	ND	H H3	9.4	2.3	ug/Kg	✱	04/25/25 10:55	04/26/25 06:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA (Surr)	63		45 - 130				04/25/25 10:55	04/26/25 06:21	1

Client Sample ID: DU4-1.0-1.5
Date Collected: 04/09/25 13:10
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-12
Matrix: Solid
Percent Solids: 96.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND	H H3	9.6	2.4	ug/Kg	✱	04/25/25 10:55	04/26/25 06:28	1
2,4-D	ND	H H3	4.8	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:28	1
MCPA	ND	H H3	4.8	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:28	1
2,4,5-T	ND	H H3	4.8	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:28	1
Silvex (2,4,5-TP)	ND	H H3	4.8	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:28	1
MCPP	ND	H H3	4.8	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:28	1
Dicamba	ND	H H3	4.8	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:28	1
Dichlorprop	ND	H H3	4.8	1.2	ug/Kg	✱	04/25/25 10:55	04/26/25 06:28	1
Dalapon	ND	H H3	9.6	2.4	ug/Kg	✱	04/25/25 10:55	04/26/25 06:28	1
Dinoseb	ND	H H3	9.6	2.4	ug/Kg	✱	04/25/25 10:55	04/26/25 06:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA (Surr)	54		45 - 130				04/25/25 10:55	04/26/25 06:28	1

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Client Sample Results

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Method: SW846 8321B - Herbicides (LC/MS)

Client Sample ID: DU5-0.0-0.5
Date Collected: 04/09/25 12:30
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-13
Matrix: Solid
Percent Solids: 97.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND	H H3	10	2.5	ug/Kg	✳	04/25/25 10:55	04/26/25 06:34	1
2,4-D	ND	H H3	5.0	1.3	ug/Kg	✳	04/25/25 10:55	04/26/25 06:34	1
MCPA	ND	H H3	5.0	1.3	ug/Kg	✳	04/25/25 10:55	04/26/25 06:34	1
2,4,5-T	ND	H H3	5.0	1.3	ug/Kg	✳	04/25/25 10:55	04/26/25 06:34	1
Silvex (2,4,5-TP)	ND	H H3	5.0	1.3	ug/Kg	✳	04/25/25 10:55	04/26/25 06:34	1
MCPP	ND	H H3	5.0	1.3	ug/Kg	✳	04/25/25 10:55	04/26/25 06:34	1
Dicamba	ND	H H3	5.0	1.3	ug/Kg	✳	04/25/25 10:55	04/26/25 06:34	1
Dichlorprop	ND	H H3	5.0	1.3	ug/Kg	✳	04/25/25 10:55	04/26/25 06:34	1
Dalapon	ND	H H3	10	2.5	ug/Kg	✳	04/25/25 10:55	04/26/25 06:34	1
Dinoseb	ND	H H3	10	2.5	ug/Kg	✳	04/25/25 10:55	04/26/25 06:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA (Surr)	52		45 - 130				04/25/25 10:55	04/26/25 06:34	1

Client Sample ID: DU5-0.5-1.0
Date Collected: 04/09/25 12:35
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-14
Matrix: Solid
Percent Solids: 97.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND	H H3	10	2.6	ug/Kg	✳	04/25/25 10:55	04/26/25 06:54	1
2,4-D	ND	H H3	5.2	1.3	ug/Kg	✳	04/25/25 10:55	04/26/25 06:54	1
MCPA	ND	H H3	5.2	1.3	ug/Kg	✳	04/25/25 10:55	04/26/25 06:54	1
2,4,5-T	ND	H H3	5.2	1.3	ug/Kg	✳	04/25/25 10:55	04/26/25 06:54	1
Silvex (2,4,5-TP)	ND	H H3	5.2	1.3	ug/Kg	✳	04/25/25 10:55	04/26/25 06:54	1
MCPP	ND	H H3	5.2	1.3	ug/Kg	✳	04/25/25 10:55	04/26/25 06:54	1
Dicamba	ND	H H3	5.2	1.3	ug/Kg	✳	04/25/25 10:55	04/26/25 06:54	1
Dichlorprop	ND	H H3	5.2	1.3	ug/Kg	✳	04/25/25 10:55	04/26/25 06:54	1
Dalapon	ND	H H3	10	2.6	ug/Kg	✳	04/25/25 10:55	04/26/25 06:54	1
Dinoseb	ND	H H3	10	2.6	ug/Kg	✳	04/25/25 10:55	04/26/25 06:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA (Surr)	60		45 - 130				04/25/25 10:55	04/26/25 06:54	1

Client Sample ID: DU5-1.0-1.5
Date Collected: 04/09/25 12:40
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-15
Matrix: Solid
Percent Solids: 96.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND	H H3	10	2.5	ug/Kg	✳	04/25/25 10:55	04/26/25 07:01	1
2,4-D	ND	H H3	5.0	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 07:01	1
MCPA	ND	H H3	5.0	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 07:01	1
2,4,5-T	ND	H H3	5.0	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 07:01	1
Silvex (2,4,5-TP)	ND	H H3	5.0	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 07:01	1
MCPP	ND	H H3	5.0	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 07:01	1
Dicamba	ND	H H3	5.0	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 07:01	1
Dichlorprop	ND	H H3	5.0	1.2	ug/Kg	✳	04/25/25 10:55	04/26/25 07:01	1
Dalapon	ND	H H3	10	2.5	ug/Kg	✳	04/25/25 10:55	04/26/25 07:01	1
Dinoseb	ND	H H3	10	2.5	ug/Kg	✳	04/25/25 10:55	04/26/25 07:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCAA (Surr)	61		45 - 130				04/25/25 10:55	04/26/25 07:01	1

Client Sample Results

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

General Chemistry

Client Sample ID: DU1-0.0-0.5
Date Collected: 04/09/25 14:30
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-1
Matrix: Solid
Percent Solids: 96.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.4		0.1	0.1	%			04/24/25 13:12	1
Percent Solids (EPA Moisture)	96.6		0.1	0.1	%			04/24/25 13:12	1

Client Sample ID: DU1-0.5-1.0
Date Collected: 04/09/25 14:35
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-2
Matrix: Solid
Percent Solids: 96.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.2		0.1	0.1	%			04/24/25 13:12	1
Percent Solids (EPA Moisture)	96.9		0.1	0.1	%			04/24/25 13:12	1

Client Sample ID: DU1-1.0-1.5
Date Collected: 04/09/25 14:40
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-3
Matrix: Solid
Percent Solids: 96.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.8		0.1	0.1	%			04/24/25 13:12	1
Percent Solids (EPA Moisture)	96.2		0.1	0.1	%			04/24/25 13:12	1

Client Sample ID: DU2-0.0-0.5
Date Collected: 04/09/25 09:45
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-4
Matrix: Solid
Percent Solids: 97.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	2.8		0.1	0.1	%			04/24/25 13:12	1
Percent Solids (EPA Moisture)	97.2		0.1	0.1	%			04/24/25 13:12	1

Client Sample ID: DU2-0.5-1.0
Date Collected: 04/09/25 09:55
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-5
Matrix: Solid
Percent Solids: 97.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.0		0.1	0.1	%			04/24/25 13:12	1
Percent Solids (EPA Moisture)	97.0		0.1	0.1	%			04/24/25 13:12	1

Client Sample ID: DU2-1.0-1.5
Date Collected: 04/09/25 10:00
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-6
Matrix: Solid
Percent Solids: 96.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.6		0.1	0.1	%			04/24/25 13:12	1
Percent Solids (EPA Moisture)	96.4		0.1	0.1	%			04/24/25 13:12	1

Client Sample ID: DU3-0.0-0.5
Date Collected: 04/09/25 10:30
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-7
Matrix: Solid
Percent Solids: 96.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.9		0.1	0.1	%			04/24/25 13:12	1
Percent Solids (EPA Moisture)	96.1		0.1	0.1	%			04/24/25 13:12	1

Client Sample ID: DU3-0.5-1.0
Date Collected: 04/09/25 10:35
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-8
Matrix: Solid
Percent Solids: 96.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	4.0		0.1	0.1	%			04/24/25 13:12	1
Percent Solids (EPA Moisture)	96.0		0.1	0.1	%			04/24/25 13:12	1

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Client Sample Results

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

General Chemistry

Client Sample ID: DU3-1.0-1.5
Date Collected: 04/09/25 10:40
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-9
Matrix: Solid
Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	4.2		0.1	0.1	%			04/24/25 13:12	1
Percent Solids (EPA Moisture)	95.8		0.1	0.1	%			04/24/25 13:12	1

Client Sample ID: DU4-0.0-0.5
Date Collected: 04/09/25 13:00
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-10
Matrix: Solid
Percent Solids: 97.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	2.9		0.1	0.1	%			04/24/25 13:12	1
Percent Solids (EPA Moisture)	97.1		0.1	0.1	%			04/24/25 13:12	1

Client Sample ID: DU4-0.5-1.0
Date Collected: 04/09/25 13:05
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-11
Matrix: Solid
Percent Solids: 97.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	2.9		0.1	0.1	%			04/24/25 13:12	1
Percent Solids (EPA Moisture)	97.1		0.1	0.1	%			04/24/25 13:12	1

Client Sample ID: DU4-1.0-1.5
Date Collected: 04/09/25 13:10
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-12
Matrix: Solid
Percent Solids: 96.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.1		0.1	0.1	%			04/24/25 13:12	1
Percent Solids (EPA Moisture)	96.9		0.1	0.1	%			04/24/25 13:12	1

Client Sample ID: DU5-0.0-0.5
Date Collected: 04/09/25 12:30
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-13
Matrix: Solid
Percent Solids: 97.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	2.7		0.1	0.1	%			04/24/25 13:12	1
Percent Solids (EPA Moisture)	97.3		0.1	0.1	%			04/24/25 13:12	1

Client Sample ID: DU5-0.5-1.0
Date Collected: 04/09/25 12:35
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-14
Matrix: Solid
Percent Solids: 97.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	2.9		0.1	0.1	%			04/24/25 13:12	1
Percent Solids (EPA Moisture)	97.1		0.1	0.1	%			04/24/25 13:12	1

Client Sample ID: DU5-1.0-1.5
Date Collected: 04/09/25 12:40
Date Received: 04/24/25 09:50

Lab Sample ID: 280-206530-15
Matrix: Solid
Percent Solids: 96.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.4		0.1	0.1	%			04/24/25 13:12	1
Percent Solids (EPA Moisture)	96.6		0.1	0.1	%			04/24/25 13:12	1

Surrogate Summary

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Method: 8321B - Herbicides (LC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPAA (45-130)
280-206530-1	DU1-0.0-0.5	60
280-206530-2	DU1-0.5-1.0	56
280-206530-3	DU1-1.0-1.5	55
280-206530-4	DU2-0.0-0.5	54
280-206530-5	DU2-0.5-1.0	61
280-206530-6	DU2-1.0-1.5	57
280-206530-7	DU3-0.0-0.5	60
280-206530-8	DU3-0.5-1.0	53
280-206530-9	DU3-1.0-1.5	44 S1-
280-206530-10	DU4-0.0-0.5	59
280-206530-11	DU4-0.5-1.0	63
280-206530-12	DU4-1.0-1.5	54
280-206530-13	DU5-0.0-0.5	52
280-206530-14	DU5-0.5-1.0	60
280-206530-15	DU5-1.0-1.5	61
LCS 280-693136/2-A	Lab Control Sample	66
MB 280-693136/1-A	Method Blank	74

Surrogate Legend

DCPAA = DCAA (Surr)

QC Sample Results

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Method: 8321B - Herbicides (LC/MS)

Lab Sample ID: MB 280-693136/1-A
Matrix: Solid
Analysis Batch: 693430

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 693136

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND		10	2.5	ug/Kg		04/25/25 10:55	04/26/25 04:14	1
2,4-D	ND		5.0	1.3	ug/Kg		04/25/25 10:55	04/26/25 04:14	1
MCPA	ND		5.0	1.3	ug/Kg		04/25/25 10:55	04/26/25 04:14	1
2,4,5-T	ND		5.0	1.3	ug/Kg		04/25/25 10:55	04/26/25 04:14	1
Silvex (2,4,5-TP)	ND		5.0	1.3	ug/Kg		04/25/25 10:55	04/26/25 04:14	1
MCPP	ND		5.0	1.3	ug/Kg		04/25/25 10:55	04/26/25 04:14	1
Dicamba	ND		5.0	1.3	ug/Kg		04/25/25 10:55	04/26/25 04:14	1
Dichlorprop	ND		5.0	1.3	ug/Kg		04/25/25 10:55	04/26/25 04:14	1
Dalapon	ND		10	2.5	ug/Kg		04/25/25 10:55	04/26/25 04:14	1
Dinoseb	ND		10	2.5	ug/Kg		04/25/25 10:55	04/26/25 04:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCAA (Surr)	74		45 - 130	04/25/25 10:55	04/26/25 04:14	1

Lab Sample ID: LCS 280-693136/2-A
Matrix: Solid
Analysis Batch: 693430

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 693136

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4-DB	20.0	13.7		ug/Kg		68	46 - 130
2,4-D	20.0	15.4		ug/Kg		77	48 - 130
MCPA	20.0	12.8		ug/Kg		64	54 - 130
2,4,5-T	20.0	15.5		ug/Kg		78	48 - 131
Silvex (2,4,5-TP)	20.0	13.4		ug/Kg		67	42 - 130
MCPP	20.0	13.3		ug/Kg		67	48 - 130
Dicamba	20.0	11.4		ug/Kg		57	45 - 130
Dichlorprop	20.0	12.9		ug/Kg		65	45 - 130
Dalapon	20.0	11.7		ug/Kg		59	25 - 150
Dinoseb	20.0	10.5		ug/Kg		53	29 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCAA (Surr)	66		45 - 130

Method: Moisture - Percent Moisture

Lab Sample ID: 280-206530-1 DU
Matrix: Solid
Analysis Batch: 693192

Client Sample ID: DU1-0.0-0.5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	3.4		3.4		%		0.9	20
Percent Solids	96.6		96.6		%		0	20

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QC Association Summary

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

LCMS

Prep Batch: 693136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-206530-1	DU1-0.0-0.5	Total/NA	Solid	Auto Shaker	
280-206530-2	DU1-0.5-1.0	Total/NA	Solid	Auto Shaker	
280-206530-3	DU1-1.0-1.5	Total/NA	Solid	Auto Shaker	
280-206530-4	DU2-0.0-0.5	Total/NA	Solid	Auto Shaker	
280-206530-5	DU2-0.5-1.0	Total/NA	Solid	Auto Shaker	
280-206530-6	DU2-1.0-1.5	Total/NA	Solid	Auto Shaker	
280-206530-7	DU3-0.0-0.5	Total/NA	Solid	Auto Shaker	
280-206530-8	DU3-0.5-1.0	Total/NA	Solid	Auto Shaker	
280-206530-9	DU3-1.0-1.5	Total/NA	Solid	Auto Shaker	
280-206530-10	DU4-0.0-0.5	Total/NA	Solid	Auto Shaker	
280-206530-11	DU4-0.5-1.0	Total/NA	Solid	Auto Shaker	
280-206530-12	DU4-1.0-1.5	Total/NA	Solid	Auto Shaker	
280-206530-13	DU5-0.0-0.5	Total/NA	Solid	Auto Shaker	
280-206530-14	DU5-0.5-1.0	Total/NA	Solid	Auto Shaker	
280-206530-15	DU5-1.0-1.5	Total/NA	Solid	Auto Shaker	
MB 280-693136/1-A	Method Blank	Total/NA	Solid	Auto Shaker	
LCS 280-693136/2-A	Lab Control Sample	Total/NA	Solid	Auto Shaker	

Analysis Batch: 693430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-206530-1	DU1-0.0-0.5	Total/NA	Solid	8321B	693136
280-206530-2	DU1-0.5-1.0	Total/NA	Solid	8321B	693136
280-206530-3	DU1-1.0-1.5	Total/NA	Solid	8321B	693136
280-206530-4	DU2-0.0-0.5	Total/NA	Solid	8321B	693136
280-206530-5	DU2-0.5-1.0	Total/NA	Solid	8321B	693136
280-206530-6	DU2-1.0-1.5	Total/NA	Solid	8321B	693136
280-206530-7	DU3-0.0-0.5	Total/NA	Solid	8321B	693136
280-206530-8	DU3-0.5-1.0	Total/NA	Solid	8321B	693136
280-206530-9	DU3-1.0-1.5	Total/NA	Solid	8321B	693136
280-206530-10	DU4-0.0-0.5	Total/NA	Solid	8321B	693136
280-206530-11	DU4-0.5-1.0	Total/NA	Solid	8321B	693136
280-206530-12	DU4-1.0-1.5	Total/NA	Solid	8321B	693136
280-206530-13	DU5-0.0-0.5	Total/NA	Solid	8321B	693136
280-206530-14	DU5-0.5-1.0	Total/NA	Solid	8321B	693136
280-206530-15	DU5-1.0-1.5	Total/NA	Solid	8321B	693136
MB 280-693136/1-A	Method Blank	Total/NA	Solid	8321B	693136
LCS 280-693136/2-A	Lab Control Sample	Total/NA	Solid	8321B	693136

General Chemistry

Analysis Batch: 693192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-206530-1	DU1-0.0-0.5	Total/NA	Solid	Moisture	
280-206530-2	DU1-0.5-1.0	Total/NA	Solid	Moisture	
280-206530-3	DU1-1.0-1.5	Total/NA	Solid	Moisture	
280-206530-4	DU2-0.0-0.5	Total/NA	Solid	Moisture	
280-206530-5	DU2-0.5-1.0	Total/NA	Solid	Moisture	
280-206530-6	DU2-1.0-1.5	Total/NA	Solid	Moisture	
280-206530-7	DU3-0.0-0.5	Total/NA	Solid	Moisture	
280-206530-8	DU3-0.5-1.0	Total/NA	Solid	Moisture	
280-206530-9	DU3-1.0-1.5	Total/NA	Solid	Moisture	

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QC Association Summary

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

General Chemistry (Continued)

Analysis Batch: 693192 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
280-206530-10	DU4-0.0-0.5	Total/NA	Solid	Moisture	
280-206530-11	DU4-0.5-1.0	Total/NA	Solid	Moisture	
280-206530-12	DU4-1.0-1.5	Total/NA	Solid	Moisture	
280-206530-13	DU5-0.0-0.5	Total/NA	Solid	Moisture	
280-206530-14	DU5-0.5-1.0	Total/NA	Solid	Moisture	
280-206530-15	DU5-1.0-1.5	Total/NA	Solid	Moisture	
280-206530-1 DU	DU1-0.0-0.5	Total/NA	Solid	Moisture	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Lab Chronicle

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Client Sample ID: DU1-0.0-0.5

Lab Sample ID: 280-206530-1

Date Collected: 04/09/25 14:30

Matrix: Solid

Date Received: 04/24/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			693192	04/24/25 13:12	WH	EET DEN

Client Sample ID: DU1-0.0-0.5

Lab Sample ID: 280-206530-1

Date Collected: 04/09/25 14:30

Matrix: Solid

Date Received: 04/24/25 09:50

Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Auto Shaker			11.0 g	10 mL	693136	04/25/25 10:55	GML	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	693430	04/26/25 05:01	RJC	EET DEN

Client Sample ID: DU1-0.5-1.0

Lab Sample ID: 280-206530-2

Date Collected: 04/09/25 14:35

Matrix: Solid

Date Received: 04/24/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			693192	04/24/25 13:12	WH	EET DEN

Client Sample ID: DU1-0.5-1.0

Lab Sample ID: 280-206530-2

Date Collected: 04/09/25 14:35

Matrix: Solid

Date Received: 04/24/25 09:50

Percent Solids: 96.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Auto Shaker			11.0 g	10 mL	693136	04/25/25 10:55	GML	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	693430	04/26/25 05:08	RJC	EET DEN

Client Sample ID: DU1-1.0-1.5

Lab Sample ID: 280-206530-3

Date Collected: 04/09/25 14:40

Matrix: Solid

Date Received: 04/24/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			693192	04/24/25 13:12	WH	EET DEN

Client Sample ID: DU1-1.0-1.5

Lab Sample ID: 280-206530-3

Date Collected: 04/09/25 14:40

Matrix: Solid

Date Received: 04/24/25 09:50

Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Auto Shaker			10.0 g	10 mL	693136	04/25/25 10:55	GML	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	693430	04/26/25 05:14	RJC	EET DEN

Client Sample ID: DU2-0.0-0.5

Lab Sample ID: 280-206530-4

Date Collected: 04/09/25 09:45

Matrix: Solid

Date Received: 04/24/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			693192	04/24/25 13:12	WH	EET DEN

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Lab Chronicle

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Client Sample ID: DU2-0.0-0.5

Lab Sample ID: 280-206530-4

Date Collected: 04/09/25 09:45

Matrix: Solid

Date Received: 04/24/25 09:50

Percent Solids: 97.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Auto Shaker			10.1 g	10 mL	693136	04/25/25 10:55	GML	EET DEN
Total/NA	Analysis	8321B		5	1 mL	1 mL	693430	04/26/25 05:34	RJC	EET DEN

Client Sample ID: DU2-0.5-1.0

Lab Sample ID: 280-206530-5

Date Collected: 04/09/25 09:55

Matrix: Solid

Date Received: 04/24/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			693192	04/24/25 13:12	WH	EET DEN

Client Sample ID: DU2-0.5-1.0

Lab Sample ID: 280-206530-5

Date Collected: 04/09/25 09:55

Matrix: Solid

Date Received: 04/24/25 09:50

Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Auto Shaker			11.0 g	10 mL	693136	04/25/25 10:55	GML	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	693430	04/26/25 05:41	RJC	EET DEN

Client Sample ID: DU2-1.0-1.5

Lab Sample ID: 280-206530-6

Date Collected: 04/09/25 10:00

Matrix: Solid

Date Received: 04/24/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			693192	04/24/25 13:12	WH	EET DEN

Client Sample ID: DU2-1.0-1.5

Lab Sample ID: 280-206530-6

Date Collected: 04/09/25 10:00

Matrix: Solid

Date Received: 04/24/25 09:50

Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Auto Shaker			10.8 g	10 mL	693136	04/25/25 10:55	GML	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	693430	04/26/25 05:48	RJC	EET DEN

Client Sample ID: DU3-0.0-0.5

Lab Sample ID: 280-206530-7

Date Collected: 04/09/25 10:30

Matrix: Solid

Date Received: 04/24/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			693192	04/24/25 13:12	WH	EET DEN

Lab Chronicle

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Client Sample ID: DU3-0.0-0.5

Lab Sample ID: 280-206530-7

Date Collected: 04/09/25 10:30

Matrix: Solid

Date Received: 04/24/25 09:50

Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Auto Shaker			10.8 g	10 mL	693136	04/25/25 10:55	GML	EET DEN
Total/NA	Analysis	8321B		5	1 mL	1 mL	693430	04/26/25 05:54	RJC	EET DEN

Client Sample ID: DU3-0.5-1.0

Lab Sample ID: 280-206530-8

Date Collected: 04/09/25 10:35

Matrix: Solid

Date Received: 04/24/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			693192	04/24/25 13:12	WH	EET DEN

Client Sample ID: DU3-0.5-1.0

Lab Sample ID: 280-206530-8

Date Collected: 04/09/25 10:35

Matrix: Solid

Date Received: 04/24/25 09:50

Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Auto Shaker			10.9 g	10 mL	693136	04/25/25 10:55	GML	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	693430	04/26/25 06:01	RJC	EET DEN

Client Sample ID: DU3-1.0-1.5

Lab Sample ID: 280-206530-9

Date Collected: 04/09/25 10:40

Matrix: Solid

Date Received: 04/24/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			693192	04/24/25 13:12	WH	EET DEN

Client Sample ID: DU3-1.0-1.5

Lab Sample ID: 280-206530-9

Date Collected: 04/09/25 10:40

Matrix: Solid

Date Received: 04/24/25 09:50

Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Auto Shaker			10.4 g	10 mL	693136	04/25/25 10:55	GML	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	693430	04/26/25 06:08	RJC	EET DEN

Client Sample ID: DU4-0.0-0.5

Lab Sample ID: 280-206530-10

Date Collected: 04/09/25 13:00

Matrix: Solid

Date Received: 04/24/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			693192	04/24/25 13:12	WH	EET DEN

Lab Chronicle

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Client Sample ID: DU4-0.0-0.5

Lab Sample ID: 280-206530-10

Date Collected: 04/09/25 13:00

Matrix: Solid

Date Received: 04/24/25 09:50

Percent Solids: 97.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Auto Shaker			10.1 g	10 mL	693136	04/25/25 10:55	GML	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	693430	04/26/25 06:14	RJC	EET DEN

Client Sample ID: DU4-0.5-1.0

Lab Sample ID: 280-206530-11

Date Collected: 04/09/25 13:05

Matrix: Solid

Date Received: 04/24/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			693192	04/24/25 13:12	WH	EET DEN

Client Sample ID: DU4-0.5-1.0

Lab Sample ID: 280-206530-11

Date Collected: 04/09/25 13:05

Matrix: Solid

Date Received: 04/24/25 09:50

Percent Solids: 97.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Auto Shaker			11.0 g	10 mL	693136	04/25/25 10:55	GML	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	693430	04/26/25 06:21	RJC	EET DEN

Client Sample ID: DU4-1.0-1.5

Lab Sample ID: 280-206530-12

Date Collected: 04/09/25 13:10

Matrix: Solid

Date Received: 04/24/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			693192	04/24/25 13:12	WH	EET DEN

Client Sample ID: DU4-1.0-1.5

Lab Sample ID: 280-206530-12

Date Collected: 04/09/25 13:10

Matrix: Solid

Date Received: 04/24/25 09:50

Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Auto Shaker			10.7 g	10 mL	693136	04/25/25 10:55	GML	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	693430	04/26/25 06:28	RJC	EET DEN

Client Sample ID: DU5-0.0-0.5

Lab Sample ID: 280-206530-13

Date Collected: 04/09/25 12:30

Matrix: Solid

Date Received: 04/24/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			693192	04/24/25 13:12	WH	EET DEN

Lab Chronicle

Client: Apex Laboratories LLC
Project/Site: A5D1456

Job ID: 280-206530-1

Client Sample ID: DU5-0.0-0.5

Lab Sample ID: 280-206530-13

Date Collected: 04/09/25 12:30

Matrix: Solid

Date Received: 04/24/25 09:50

Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Auto Shaker			10.2 g	10 mL	693136	04/25/25 10:55	GML	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	693430	04/26/25 06:34	RJC	EET DEN

Client Sample ID: DU5-0.5-1.0

Lab Sample ID: 280-206530-14

Date Collected: 04/09/25 12:35

Matrix: Solid

Date Received: 04/24/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			693192	04/24/25 13:12	WH	EET DEN

Client Sample ID: DU5-0.5-1.0

Lab Sample ID: 280-206530-14

Date Collected: 04/09/25 12:35

Matrix: Solid

Date Received: 04/24/25 09:50

Percent Solids: 97.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Auto Shaker			10.0 g	10 mL	693136	04/25/25 10:55	GML	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	693430	04/26/25 06:54	RJC	EET DEN

Client Sample ID: DU5-1.0-1.5

Lab Sample ID: 280-206530-15

Date Collected: 04/09/25 12:40

Matrix: Solid

Date Received: 04/24/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			693192	04/24/25 13:12	WH	EET DEN

Client Sample ID: DU5-1.0-1.5

Lab Sample ID: 280-206530-15

Date Collected: 04/09/25 12:40

Matrix: Solid

Date Received: 04/24/25 09:50

Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	Auto Shaker			10.4 g	10 mL	693136	04/25/25 10:55	GML	EET DEN
Total/NA	Analysis	8321B		1	1 mL	1 mL	693430	04/26/25 07:01	RJC	EET DEN

Laboratory References:

EET DEN = Eurofins Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Accreditation/Certification Summary

Client: Apex Laboratories LLC
 Project/Site: A5D1456

Job ID: 280-206530-1

Laboratory: Eurofins Denver

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	18-001	11-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8321B	Auto Shaker	Solid	Dalapon
8321B	Auto Shaker	Solid	Dicamba
8321B	Auto Shaker	Solid	Dichlorprop
8321B	Auto Shaker	Solid	Dinoseb
8321B	Auto Shaker	Solid	MCPA
8321B	Auto Shaker	Solid	MCPP
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Oregon	NELAP	4025	01-08-26
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The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Solids

Washington	State	C583	08-03-25
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The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Solids

SUBCONTRACT ORDER

Apex Laboratories

A5D1456

SENDING LABORATORY:

Apex Laboratories
6700 S.W. Sandburg Street
Tigard, OR 97223
Phone: (503) 718-2323
Fax: (503) 336-0745
Project Manager: Darwin Thomas

RECEIVING LABORATORY:

Eurofins - Denver
4955 Yarrow Street
Arvada, CO 80002-4517
Phone: (303) 736-0100
Fax: (303) 431-7171



280-206530 Chain of Custody

Sample Name: DU1-0.0-0.5 **Soil** **After processing** **Sampled: 04/09/25 14:30** (A5D1456-02)

Analysis	Due	Expires	Comments
8321 Herbicides (SUB) <i>Containers Supplied:</i> (B)4 oz Glass Jar	04/28/25 17:00	04/23/25 14:30	Include dinoseb

Sample Name: DU1-0.5-1.0 **Soil** **After processing** **Sampled: 04/09/25 14:35** (A5D1456-04)

Analysis	Due	Expires	Comments
8321 Herbicides (SUB) <i>Containers Supplied:</i> (B)4 oz Glass Jar	04/28/25 17:00	04/23/25 14:35	Include dinoseb

Sample Name: DU1-1.0-1.5 **Soil** **After processing** **Sampled: 04/09/25 14:40** (A5D1456-06)

Analysis	Due	Expires	Comments
8321 Herbicides (SUB) <i>Containers Supplied:</i> (B)4 oz Glass Jar	04/28/25 17:00	04/23/25 14:40	Include dinoseb

Sample Name: DU2-0.0-0.5 **Soil** **After processing** **Sampled: 04/09/25 09:45** (A5D1456-10)

Analysis	Due	Expires	Comments
8321 Herbicides (SUB) <i>Containers Supplied:</i> (B)4 oz Glass Jar	04/28/25 17:00	04/23/25 09:45	Include dinoseb

STANDARD TAT

[Handwritten Signature]

4/23/25

UPS (Shipper)

Released By Date Received By *[Signature]* Date 4/24/25 9:50

Released By Date Received By Date

SUBCONTRACT ORDER

Apex Laboratories

A5D1456

Analysis	Due	Expires	Comments
Sample Name: DU2-0.5-1.0 After processing Sampled: 04/09/25 09:55 (A5D1456-12)			
8321 Herbicides (SUB) <i>Containers Supplied:</i> (B)4 oz Glass Jar	04/28/25 17:00	04/23/25 09:55	Include dinoseb
Sample Name: DU2-1.0-1.5 After processing Sampled: 04/09/25 10:00 (A5D1456-14)			
8321 Herbicides (SUB) <i>Containers Supplied:</i> (B)4 oz Glass Jar	04/28/25 17:00	04/23/25 10:00	Include dinoseb
Sample Name: DU3-0.0-0.5 After processing Sampled: 04/09/25 10:30 (A5D1456-18)			
8321 Herbicides (SUB) <i>Containers Supplied:</i> (B)4 oz Glass Jar	04/28/25 17:00	04/23/25 10:30	Include dinoseb
Sample Name: DU3-0.5-1.0 After processing Sampled: 04/09/25 10:35 (A5D1456-20)			
8321 Herbicides (SUB) <i>Containers Supplied:</i> (B)4 oz Glass Jar	04/28/25 17:00	04/23/25 10:35	Include dinoseb
Sample Name: DU3-1.0-1.5 After processing Sampled: 04/09/25 10:40 (A5D1456-22)			
8321 Herbicides (SUB) <i>Containers Supplied:</i> (B)4 oz Glass Jar	04/28/25 17:00	04/23/25 10:40	Include dinoseb
Sample Name: DU4-0.0-0.5 After processing Sampled: 04/09/25 13:00 (A5D1456-26)			
8321 Herbicides (SUB) <i>Containers Supplied:</i> (B)4 oz Glass Jar	04/28/25 17:00	04/23/25 13:00	Include dinoseb

[Signature] 4/23/25

UPS (Shipper)

Released By Date

Received By *[Signature]* Date 4/24/25 9 50

Released By Date

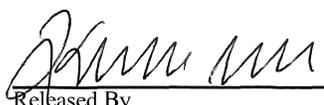
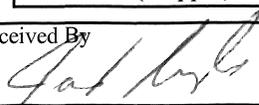
Received By Date

SUBCONTRACT ORDER

Apex Laboratories

A5D1456

Analysis	Due	Expires	Comments
Sample Name: DU4-0.5-1.0			
		Soil	After processing
			Sampled: 04/09/25 13:05
(A5D1456-28)			
<hr/>			
Analysis	Due	Expires	Comments
8321 Herbicides (SUB)	04/28/25 17:00	04/23/25 13:05	Include dinoseb
<i>Containers Supplied:</i>			
(B)4 oz Glass Jar			
<hr/>			
Sample Name: DU4-1.0-1.5			
		Soil	After processing
			Sampled: 04/09/25 13:10
(A5D1456-30)			
<hr/>			
Analysis	Due	Expires	Comments
8321 Herbicides (SUB)	04/28/25 17:00	04/23/25 13:10	Include dinoseb
<i>Containers Supplied:</i>			
(B)4 oz Glass Jar			
<hr/>			
Sample Name: DU5-0.0-0.5			
		Soil	After processing
			Sampled: 04/09/25 12:30
(A5D1456-34)			
<hr/>			
Analysis	Due	Expires	Comments
8321 Herbicides (SUB)	04/28/25 17:00	04/23/25 12:30	Include dinoseb
<i>Containers Supplied:</i>			
(B)4 oz Glass Jar			
<hr/>			
Sample Name: DU5-0.5-1.0			
		Soil	After processing
			Sampled: 04/09/25 12:35
(A5D1456-36)			
<hr/>			
Analysis	Due	Expires	Comments
8321 Herbicides (SUB)	04/28/25 17:00	04/23/25 12:35	Include dinoseb
<i>Containers Supplied:</i>			
(B)4 oz Glass Jar			
<hr/>			
Sample Name: DU5-1.0-1.5			
		Soil	After processing
			Sampled: 04/09/25 12:40
(A5D1456-38)			
<hr/>			
Analysis	Due	Expires	Comments
8321 Herbicides (SUB)	04/28/25 17:00	04/23/25 12:40	Include dinoseb
<i>Containers Supplied:</i>			
(B)4 oz Glass Jar			
<hr/>			

	4/23/25	UPS (Shipper)	
Released By	Date	Received By	Date
UPS (Shipper)			4/24/25 9:50
Released By	Date	Received By	Date

Login Sample Receipt Checklist

Client: Apex Laboratories LLC

Job Number: 280-206530-1

Login Number: 206530

List Source: Eurofins Denver

List Number: 1

Creator: Held, Wesley

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

