APPENDIX D.2:

ENVIRONMENTAL SITE ASSESSMENT

Salem Engineering Group, Inc.,
Revised Phase II Environmental Site Assessment
Proposed Self-Storage Facility
12090 Whittier Boulevard,
Whittier, CA 90602,
October 31, 2024.

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October 31, 2024 **Job No. 3-424-0858**

Mr. Adam Lentz
Madison Capital Group Management, LLC
6805 Morrison Blvd., Suite 250
Charlotte, NC 28211

Subject: **REVISED PHASE II ENVIRONMENTAL SITE ASSESSMENT**
Proposed Self-Storage Facility
12090 Whittier Boulevard
Whittier, CA 90602

Dear Mr. Lentz:

At your request and authorization, SALEM Engineering Group, Inc. (SALEM) has prepared this Phase II Environmental Site Assessment (ESA) of the proposed Self-Storage Facility located at 12090 Whittier Boulevard in Whittier, California (subject property).

We appreciate the opportunity to assist you with this project. If you have any questions, or if we may be of further assistance, please do not hesitate to contact our office at (909) 980-6455.

Respectfully submitted,

SALEM Engineering Group, Inc.

Shannon Lodge, PG
Senior Project Manager

GEOTECHNICAL • ENVIRONMENTAL • GEOLOGY • MATERIALS TESTING & INSPECTION • FORENSIC • LABORATORY

SALEM
engineering group, inc.

REVISED
PHASE II ENVIRONMENTAL SITE ASSESSMENT

PROPOSED SELF-STORAGE FACILITY
12090 WHITTIER BOULEVARD
WHITTIER, CALIFORNIA

SALEM PROJECT NO. 3-424-0858
OCTOBER 31, 2024

PREPARED FOR:

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October 31, 2024 **Job No. 3-424-0858**

REVISED
PHASE II ENVIRONMENTAL SITE ASSESSMENT

PROPOSED SELF-STORAGE FACILITY
12090 WHITTIER BOULEVARD
WHITTIER, CA 90602

1.0 EXECUTIVE SUMMARY

SALEM Engineering Group, Inc. (SALEM) conducted a Phase II Environmental Site Assessment (ESA) to investigate the Proposed Self-Storage Facility site located at 12090 Whittier Boulevard in Whittier, California (subject property). SALEM's September 18, 2024, Phase I ESA identified the following evidence of a Recognized Environmental Condition (REC) in connection with the subject property as defined by ASTM E1527-21:

- The subject property has been occupied by several automotive dismantling businesses since 1964. Various types and quantities of hazardous materials/hazardous wastes have been stored and generated on-site including one 150-gallon aboveground storage tank (AST) containing waste oil and one 75-gallon AST containing used engine coolant which were observed during SALEM's site reconnaissance to be located in a canopy covered area adjacent to the office building of the M&S Auto Salvage facility. One 35-gallon solvent-based parts washing station was also observed in the canopy covered area adjacent to the office building. Several 5-gallon and quart-sized containers of paints and solvents were observed in a "make-shift" paint booth area of the facility. Visual observations of the subject property revealed that exposed surface soils exhibited signs of apparent surface staining in the areas of the stored dismantled vehicles. Based on the long-term use (approximately 60 years) as an automobile dismantling facility, in conjunction with the poor hazardous material/hazardous waste storage and handling practices observed at the subject property, the potential exists that the historical and continued use as an automobile dismantling facility has negatively impacted the subject property.

SALEM recommended conducting a Phase II ESA to evaluate soil and soil vapor conditions at the subject property.

The following data summary is based on a review of field and laboratory data obtained during SALEM's October 15, 2024, Phase II ESA at the subject property:

- SALEM installed five soil borings to 15 feet below ground surface (bgs) (SV-1 through SV-5), four soil borings to 5 feet bgs (B-1 through B-4), and collected three surface samples from depths of 0 to 6 inches bgs (SS-1 through SS-3). Borings SV-1 through SV-5 were converted to nested vapor wells with probes at depths of 5 and 15 feet bgs. The northern portion of the subject property, currently used as an auto and parts storage area, was occupied by vehicle storage, parts, and equipment (forklifts) and was not accessible with a drill rig during SALEM's investigation. Additionally, the tenant refused to move the obstructions to provide access to the areas of investigation. As such, surface samples SS-1 through SS-3 were collected from the northern portion of the subject property instead, which were sufficient to evaluate potential surface releases of constituents of concern (COCs) from the stored vehicles and parts in the area.

- Generally, soil types consisted of medium brown, slightly moist to dry, silty fine-grained sand with trace gravel to the maximum depth investigated of 15 feet bgs. Discolored/stained soil was not identified in the soil samples. Photo-ionization detector (PID) readings ranged from zero to 35 parts per million (ppm) in soil samples collected during the investigation, and soil samples collected from borings SV-1 through SV-4, and borings B-2 and B-3, had notable hydrocarbon odors that were observed by the field geologist during drilling. Groundwater was not encountered in any of the soil borings.

- Total petroleum hydrocarbons as gasoline (TPH-G), volatile organic compounds (VOCs), and polychlorinated biphenyls (PCBs) were not identified above laboratory method detection limits in any of the analyzed soil samples.

- TPH as diesel (TPH-D) was detected in the soil samples at concentrations ranging from 8.9 to 820 milligrams per kilogram (mg/kg), below the California Regional Water Quality Control Board – San Francisco (CRWQCB-SF) commercial/industrial Environmental Screening Level (ESL) of 1,200 mg/kg.

- TPH as oil (TPH-O) was detected in the soil samples at concentrations ranging from 7.6 to 1,100 mg/kg, below the CRWQCB-SF commercial/industrial ESL of 180,000 mg/kg.

- Title 22 metals detected in the analyzed soil samples included arsenic, barium, beryllium, cadmium, cobalt, chromium, copper, molybdenum, nickel, lead, antimony, vanadium, and zinc. The only metals detected above their respective screening levels included arsenic (six samples above the southern California regional background concentration of 12 mg/kg), and lead (one sample above the CRWQCB-SF commercial/industrial ESL of 320 mg/kg).

- Soil samples with total arsenic or lead concentrations that exceeded 10 times the California Soluble Threshold Limit Concentration (STLC) and/or 20 times the Federal Toxicity Characteristic Leachate Procedure (TCLP) were further analyzed for soluble arsenic/lead to evaluate if the soil would be considered hazardous if it was to be excavated and disposed off-site during construction-related excavation activities. Soluble arsenic and lead concentrations did not exceed their respective STLC or TCLP thresholds; however, the total lead concentration detected in B-1 at 1-foot bgs (2,600 mg/kg) did exceed California's Total Threshold Limit Concentration (TTLC) for lead of 1,000 mg/kg, indicating that if soil from this location was excavated and hauled off-site for disposal it would be considered a California hazardous waste and would need to be profiled and disposed at a landfill that is licensed to accept hazardous waste.

- The detected TPH-D/O concentrations in most of the soil samples analyzed during this investigation exceed the waste acceptance criteria for local landfills in Orange and Los Angeles Counties.

- VOCs were identified above laboratory method detection limits in soil vapor samples collected during this investigation; however, none of the detected constituents exceeded their respective CRWQCB-SF commercial/industrial ESLs. Data suggests that constituents detected in the soil vapor samples do not pose a potential risk to human health or the environment. No engineering controls (i.e., VOC vapor barrier) are required to protect building occupants.

No additional assessment is recommended; however, SALEM recommends that localized areas of arsenic and lead-affected soil that exceed applicable regulatory agency screening levels for commercial/industrial occupancy be excavated and disposed off-site to reduce future construction worker and site occupant health

risks. Based on the detected concentrations of TPH-D/O, SALEM recommends that soil generated during construction activities be disposed at a Class III landfill that is approved to accept non-hazardous TPH-affected soil. SALEM recommends that a Soil Management Plan (SMP) be prepared for the subject property due to the high potential of encountering areas of elevated concentrations of lead, arsenic, and TPH-D/O during grading and construction activities. The SMP will establish protocols for handling, sampling, storage, and disposal of soils generated during construction activities.

2.0 PROJECT OBJECTIVE

The objective of this Phase II ESA is to evaluate soil and soil vapor for the potential presence of constituents of potential concern (COPCs) that could pose a potential risk to construction workers and future occupants of the subject property.

3.0 SITE DESCRIPTION AND BACKGROUND

The subject property consists of an approximately 1.12-acre triangular-shaped parcel of land (Los Angeles County Assessor's Parcel Number [APN] 8170-026-006) located at 12090 Whittier Boulevard in Whittier, California (Figure 1). A site map that shows the current layout of the subject property is included as Figure 2. The subject property is located in Section 20, Township 2 South, Range 11 West, San Bernardino Baseline and Meridian, United States Geological Survey (U.S.G.S.) 7.5 Minute Topographic Map, Whittier, California Quadrangle dated 2021.

At the time of SALEM's October 15, 2024, Phase II ESA, the subject property was occupied by an automobile dismantling facility. Structures associated with the automobile dismantling facility included an approximately 480 square-foot office building, an automobile dismantling shed, and a "make-shift" paint booth shed and canopy area. The remaining portions of the subject property were dirt- and gravel-covered and were utilized for storage of dismantled vehicles. The subject property was occupied by M&S Auto Salvage at the time of SALEM's Phase II ESA.

Various types and quantities of hazardous materials/hazardous wastes were observed to be stored and handled on the subject property including one 150-gallon AST containing waste oil, and one 75-gallon AST containing used engine coolant, which were stored in a canopy covered area adjacent to the office building of the M&S Auto Salvage facility. One 35-gallon solvent-based parts washing station was also observed in the canopy covered area adjacent to the office building Additionally, several 5-gallon and quart sized containers of paints and solvents were observed in a "make-shift" paint booth area of the facility. According to the on-site manager, the waste oil and waste coolant are collected by Superior Recycling, Inc. every 6 months or as needed for off-site disposal/recycling.

Visual observations of the subject property revealed that exposed surface soils exhibited signs of apparent surface staining in the areas of the stored dismantled vehicles. No obvious evidence (vent pipes, fill pipes, dispensers, etc.) of underground storage tanks (USTs) was noted within the area observed. No standing water or major depressions were observed on the subject property. No indications of former structures, such as foundations, were observed on the subject property.

The subject property vicinity is predominantly developed with commercial and industrial facilities. The closest residential property is located approximately 120 feet southwest of the subject property.

SALEM's September 18, 2024, Phase I ESA identified the following evidence of a REC in connection with the subject property as defined by ASTM E1527-21:

- The subject property has been occupied by several automotive dismantling businesses since 1964. Various types and quantities of hazardous materials/hazardous wastes have been stored and generated on-site in a canopy covered area adjacent to the office building of the M&S Auto Salvage facility. Based on the long-term use (approximately 60 years) as an automobile dismantling facility in conjunction with the poor hazardous material/hazardous waste storage and handling practices observed at the subject property, the potential exists that the historical and continued use as an automobile dismantling facility has negatively impacted the subject property.

SALEM recommended conducting a Phase II ESA to evaluate soil and soil vapor conditions at the subject property.

4.0 SCOPE OF WORK

The Phase II ESA scope of services included the following:

- Coordination of pre-field activities including procurement of contracts (e.g., driller and laboratory), and access permission;
- Development of a site-specific Health and Safety Plan (HSP);
- Performance of subsurface utility screening;
- Advancement of five soil borings (SV-1 through SV-5) to depths of 15 bgs, and the collection of soil samples at depths of 1, 5, 10, and 15 feet bgs from each boring;
- Advancement of four soil borings (B-1 through B-4) to depths of 5 feet bgs, and the collection of soil samples at depths of 1-foot and 5 feet bgs from each boring;
- Collection of three surface soil samples (SS-1 through SS-3) from depths of 0 to 6 inches bgs along the northern portion of the subject property (access with the drill rig was not possible due to the presence of vehicles, parts, and equipment that blocked the area);
- Installation of nested vapor wells with vapor probes at depths of 5 and 15 feet bgs in SV-1 through SV-5;
- Collection of primary and duplicate soil vapor samples from SV-1 through SV-5;
- Analytical testing of soil and soil vapor samples using stationary laboratories; and
- Preparation of a report that documents field activities, analytical results, and summarizes the findings.

4.1 Pre-Field Activities

4.1.1 Site Safety

SALEM completed a Site HSP for the work proposed at the subject property. A copy of the HSP was kept on-site during field activities. The HSP detailed the work to be performed, safety precautions, emergency response procedures, nearest hospital information, hospital route maps, emergency contact numbers, and onsite personnel responsible for managing emergency situations (intended to protect on-site workers and the public).

4.1.2 Permits

Permits for the soil borings were not required before implementing this project.

4.1.3 Utility Clearance

The proposed soil boring locations were marked with white paint and Underground Service Alert (USA) was notified at least 48 hours before beginning field activities. USA notified its subscribed members,

requesting them to mark their underground utility locations near marked boring locations as required by California State law. A private utility locate was also performed using Spectrum Geophysics of North Hollywood, California, to identify utilities that were not investigated or marked by USA.

5.0 INVESTIGATION METHODOLOGY

Fieldwork for the soil sampling, nested vapor well installation, and soil vapor sampling was performed on October 15, 2024. Sample locations are shown on Figure 2.

Before arriving at the subject property, the drill rig, tools, and accessories were thoroughly decontaminated with a steam cleaner. Downhole drilling tools and sampling equipment, such as bits, rods, and sample barrels were manually washed/rinsed, pressure washed, and/or steam cleaned between borings and sample intervals at the designated decontamination area.

5.1 Soil Sampling and Soil Vapor Probe Installation Procedures

Five soil borings (SV-1 through SV-5) were advanced to depths of 15 feet bgs, four soil borings (B-1 through B-4) were advanced to depths of 5 feet bgs, and three surface samples (SS-1 through SS-3) were collected from depths of 0 to 6 inches bgs at the subject property. The soil borings were advanced using a Strataprobe truck-mounted direct-push rig operated by H&P Mobile Geochemistry of Signal Hill, California.

Soil samples were collected at depths of 1, 5, 10, and 15 feet bgs from SV-1 through SV-5, and from depths of 1-foot and 5 feet bgs from B-1 through B-4, using a clean, 2-foot long, stainless-steel sampler lined with clean acetate sleeves. A 6-inch length of sample from the appropriate depth interval was sealed at both ends with Teflon sheets and clean plastic end caps, labeled (ID number, date, time) for laboratory analysis, sealed in a plastic bag, and placed in a blue ice-chilled cooler. Surface samples were collected using a stainless steel shovel and placed in laboratory-supplied glass sample jars. The soil samples were delivered to Sierra Analytical Labs of Laguna Hills, California, for chemical analysis under chain-of-custody documentation.

Headspace analysis for total organic vapors (TOVs) was performed on each sample using a PID calibrated relative to a 100 ppm isobutylene standard. Soil was placed in a sealable zip-style bag until half filled, the tip of the PID was inserted into the headspace above the soil, and vapor concentrations were recorded. A description of the soil and PID readings was recorded on field boring logs in general accordance with the Unified Soil Classification System (USCS).

Nested soil vapor probes were installed at depths of 5 and 15 feet bgs in borings SV-1 through SV-5. A 1/8-inch diameter Nylaflow tube, attached to a sample port, was inserted into the open boring and set approximately 6 inches off the bottom. Number 3 washed aquarium sand was poured into the borehole until the sand extended from approximately 6 inches below and 6 inches above the sample port. Approximately 6 inches of dry bentonite crumble was placed above the sand zone. Additional bentonite crumble was alternately placed in the hole and hydrated until the next installation depth was reached. The shallower probes were installed in the same manner as the bottom probe. The remaining open hole was filled with bentonite crumble, hydrated in intervals, to the ground surface. Each Nylaflow tube was labeled with the sample point identification and sample depth.

5.2 Soil Sample Analyses

The 1-, 5- and 15-foot bgs soil samples from SV-1 through SV-5, the 1- and 5-foot soil samples from B-1 through B-4, and surface samples SS-1 through SS-3 were analyzed for TPH-G/D/O, VOCs, Title 22 metals, and PCBs using EPA Methods 8015B, 8260B, 6010B/7471A, and 8082, respectively. The 5-foot bgs sample

collected from SV-5 was further analyzed for STLC arsenic. SV-1 at 1-foot bgs, SV-2 at 1-foot bgs, B-1 at 1-foot and 5 feet bgs, B-2 at 5 feet bgs, SS-1, and SS-2 were additionally analyzed for STLC lead. SV-1 at 1-foot bgs, B-1 at 1-foot bgs, B-2 at 5 feet bgs, and SS-2 were additionally analyzed for TCLP lead.

Soil analytical results are summarized in Tables 1 through 3. Laboratory analytical results and chain-of-custody documentation are provided in Appendix A.

5.3 Soil Vapor Sampling

Soil vapor sampling was completed by H&P staff, supervised by SALEM personnel, in accordance with the February 2023, *Supplemental Guidance: Screening and Evaluating Vapor Intrusion*, published jointly by the California Department of Toxic Substances Control (DTSC), California EPA, and the Los Angeles and San Francisco Regional Water Quality Control Boards.

5.3.1 Shut-in Testing

Before purging and sampling, a shut-in test was conducted on the sample train to check for leaks in the above-ground fittings. The shut-in test was conducted by attaching the complete sample train assembly to the termination valve on the soil vapor probe. With the valve attached to the soil vapor probe in the "off" position, a battery-operated pump was used to evacuate the sample train of air to a minimum measured vacuum of approximately 100 inches of water. The vacuum was observed using an in-line vacuum gauge which was positioned before the purge pump. The vacuum gauge was observed for approximately 1 minute and all above ground connections were considered "air-tight" when the pressure on the gauge did not noticeably dissipate. Sampling did not commence until the above-ground fittings were deemed air-tight.

5.3.2 Leak Testing

Leak testing, using a liquid tracer, was performed on each individual soil vapor probe to test the integrity of the entire sampling system. Its purpose was to evaluate whether an adequate seal was established at the soil vapor probe interface with the ground surface, as well as a leak check of all above ground fittings to ensure that the samples collected are not being diluted by ambient air. The leak check compound 1,1-difluoroethane (DFA) was used to evaluate sample integrity. The leak check compound was applied to a paper towel and kept in a closed plastic zip closure bag until it was ready to be used. Before purging and sampling of the soil vapor probe, the zip closure bag was opened and placed directly at the point of entry of the soil vapor probe into the borehole. Additional saturated towels were also placed near the above-ground sample train connections to ensure there were no leaks in the fittings.

5.3.3 Soil Vapor Sample Collection and Analysis

A plastic, gas-tight, calibrated syringe or vacuum pump was used to purge each probe. The purging device was attached to a 3-way valve, which was then connected to the on/off valve on the soil vapor probe. This 3-way valve allowed the sample train to be connected to one port on the valve, and the purge equipment to be attached to the other. This ensured that all of the sample train assembly being used for the collection of the sample was upstream of the purging device. Three purge volumes (calculated to include the sand pack, dry bentonite, and vapor tubing volume) were removed from each probe to ensure that ambient air from the sampling system was removed, and to demonstrate that samples collected were representative of subsurface conditions.

H&P carefully monitored purge volumes and flow rates. The purging equipment was attached to an in-line vacuum gauge to allow for monitoring of the probe vacuum while the purge vapor was drawn. The in-line vacuum gauge ensured that probe vacuum pressures were less than 100 inches of water during purging.

During purging, the flow rate was timed so that it did not exceed 200 milliliters per minute. This procedure ensured that adequate purge vapor flow was obtained without excessive pumping of air or introduction of surface air into the sample. Please note that plastic syringes were used only for purging the soil vapor probes and were not used in the collection of the soil vapor samples.

Soil vapor samples were collected using appropriate gas-tight containers required for the specified analyses. The sample collection assemblies and containers were attached to the soil vapor probe via a 3-way valve before purging the device to avoid cross-contamination. SALEM utilized airtight 400 milliliter calibrated Summa canisters provided by H&P to collect vapor samples from each probe. The Summa canister was attached via a luer lock connection to a 3-way valve, which allowed the sample to be drawn into the canister and then sealed off by rotating the valve. The canister was attached to the 3-way valve connected to the soil vapor probe on/off valve, and before the purging device. After purging of the soil vapor probe was complete, the valve was rotated so that the flow path of the soil vapor probe was diverted to the Summa canister. The valve on the Summa canister was opened slowly to allow the soil vapor to flow into the canister at a rate of 200 milliliters per minute or less. When the Summa canister was full, as indicated by a negative pressure gauge, the valve on the canister was closed and the canister was disconnected and immediately placed into a storage container to prevent photo-degradation of the target analytes from direct sunlight. One duplicate sample was collected for quality assurance/quality control (QA/QC) purposes.

For each sample, the sample name, date, and time of collection, vapor flow information and results of QA/QC inspections were recorded on field data sheets. Sample name, date, and time were recorded on a chain-of-custody document and shipped to the stationary laboratory for analysis for VOCs using EPA Method TO-15.

Laboratory analytical results for soil vapor samples are summarized in Table 4. Laboratory analytical results and chain-of-custody documentation are provided in Appendix A.

5.3.4 Probe Removal

At the completion of sampling and verification of sample integrity, vapor tubing was removed from each boring and the surface was patched with concrete to match existing conditions.

6.0 FINDINGS

6.1 Geology and Hydrogeology

The subject property is located in the Peninsular Range geomorphic province, which is characterized by northwest-trending topographic and structural features. The Peninsular Range province is bound by the Transverse Range province to the north and the Colorado Desert province to the east. The inland portion of the Peninsular Range province consists of numerous mountain ranges that are composed predominantly of igneous and metamorphic rocks of Mesozoic and Paleozoic age. An irregular coastal plain is located on the western edge of the province (including the Los Angeles Coastal Plain) which is composed predominantly of marine and non-marine clastic deposits of the Upper Cretaceous, Tertiary and Quaternary periods. The subject property is located within the structurally controlled Los Angeles Basin. The Los Angeles Basin trends to the northwest with an axis that extends 50 miles and a width of approximately 20 miles. This basin is bound to the northeast by the Puente Hills, to the north by the Santa Monica Mountains, to the east and southeast by the Santa Ana Mountains and San Joaquin Hills and on the southwest by the Palos Verdes Hills and the Pacific Ocean. The Los Angeles Basin was a large marine embayment during the Miocene Epoch which extended as far inland as Pasadena and Pomona and merged with the Ventura Basin. By the Pliocene Epoch, the embayment was smaller and generally covered an area slightly larger than the present-day lowlands. Subsequent regressions of the coastline as well as tectonic uplift has exposed the current basin. The sedimentary deposits in the basin since the Miocene Epoch are reportedly as thick as 40,000 feet (CDM, 1954).

The subject property is underlain by the Pliestocene Lakewood Formation. The Lakewood Formation consists of marine and non-marine deposits consisting of gravel, sand, silt and clay. Structurally, the Whittier-Elsinore Fault Zone, an east-west trending strike-slip fault, is located approximately 1.5 miles northeast of the subject property. The axis of the La Habra Syncline is located approximately 1 mile south of the subject property (CDWR, 1961).

The ground water in this area occurs in the Central Basin of the 500 square-mile Los Angeles Coastal Plain Ground Water Basin (Department of Water Resources (DWR), Basin No. 4-11). This ground water basin is drained primarily by the Los Angeles and San Gabriel Rivers and occurs in younger alluvium. The ground water is used intensively for municipal purposes, moderately for industrial purposes and limited for irrigation uses (CDWR, 1961, 1975).

According to CRWQCB records for the Leggett & Platt Spills, Leaks, Investigations, and Cleanup (SLIC) site at 12352 East Whittier Boulevard, located approximately 1,216 feet south-southeast of the subject property, groundwater was first encountered between 92.51 and 99.07 feet bgs with a flow direction to the west. However, local groundwater level and flow direction may vary due to seasonal fluctuations in precipitation, usage demands, geology, and/or surface topography.

6.2 Field Observations

At the time of SALEM's October 15, 2024, site investigation, localized oil releases were observed on the concrete and/or soil/gravel in the study areas. The northern portion of the subject property, currently used as an auto and parts storage area, was occupied by vehicle storage, parts, and equipment (forklifts) and was not accessible with a drill rig during SALEM's investigation. Additionally, the tenant refused to move the obstructions to provide access to the areas of investigation. As such, SALEM adjusted the original sampling plan in the field due to the tenant's refusal to provide access and collected surface samples SS-1 through SS-3 from the northern portion of the subject property to eliminate this potential data gap from the Phase II ESA.

Soil encountered during drilling activities consisted of medium brown, slightly moist to dry, silty fine-grained sand with trace gravel to the maximum depth investigated of 15 feet bgs. Discolored/stained soil was not identified in the soil samples. PID readings ranged from zero to 35 ppm in soil samples collected during the investigation, and soil samples collected from borings SV-1 through SV-4, and borings B-2 and B-3, had notable hydrocarbon odors that were observed by the field geologist during drilling. Groundwater was not encountered in any of the soil borings.

6.3 Analytical Results

Soil analytical results are summarized in Tables 1 through 3, and soil vapor analytical results are summarized in Table 4. Copies of the laboratory reports and chain-of-custody documentation are included in Appendix A.

6.3.1 Soil Analytical Results

Laboratory analytical results for soil were as follows:

- TPH-G, VOCs, and PCBs were not identified above laboratory method detection limits in any of the analyzed soil samples.
- TPH-D was detected in 19 of the 26 soil samples at concentrations ranging from 8.9 to 820 mg/kg. All soil sample analytical results were below the CRWQCB-SF commercial/industrial ESL for TPH-D of 1,200 mg/kg.
- TPH-O was detected in 23 of the 26 soil samples at concentrations ranging from 7.6 to 1,300 mg/kg. All soil sample analytical results were below the CRWQCB-SF commercial/industrial ESL for TPH-O of 180,000 mg/kg.

- Detected Title 22 metals included: arsenic (2.6 to 77 mg/kg); barium (65 to 220 mg/kg); cadmium (1.2 to 4.8 mg/kg); cobalt (2.7 to 9.7 mg/kg); chromium (4.3 to 20 mg/kg); copper (10 to 49 mg/kg); molybdenum (1.4 to 4.2 mg/kg); nickel (4.5 to 31 mg/kg); lead (1.4 to 2,600 mg/kg); antimony (2.0 to 10 mg/kg); vanadium (7.0 to 42 mg/kg); and zinc (19 to 240 mg/kg). No other metallic constituents were detected above laboratory detection limits in the analyzed soil samples.
- As noted in the DTSC's *Determination of a Southern California Regional Background Concentration in Soil*, their probability plot and statistical analysis of a large data set from school sites in Southern California gave an upper-bound background arsenic concentration of 12 mg/kg in Southern California. Arsenic exceeded the screening level of 12 mg/kg in SV-3 at 1-foot bgs, SV-5 at 5 feet bgs, B-3 at 5 feet bgs, B-4 at 1-foot and 5 feet bgs, and SS-3 at 0 to 6 inches bgs. The 1-foot bgs sample from B-1 (2,600 mg/kg) exceeded the CRWQCB-SF commercial/industrial ESL for lead of 320 mg/kg. No other soil samples contained Title 22 metals in excess of their respective CRWQCB-SF commercial/industrial ESLs.
- To evaluate if soil samples exceed Federal and/or California hazardous waste guidelines, the following samples were further analyzed for STLC lead or arsenic due to the sample results exceeding 10 times the STLC threshold of 5.0 milligrams per liter (mg/L): SV-1 at 1-foot bgs (lead); SV-2 at 1-foot bgs (lead); SV-5 at 5 feet bgs (arsenic); B-1 at 1 and 5 feet bgs (lead); B-2 at 5 feet bgs (lead); SS-1 at 0 to 6 inches bgs (lead); and SS-2 at 0 to 6 inches bgs (lead). The following samples were further analyzed for TCLP lead due to the sample results exceeding 20 times the TCLP threshold of 5.0 mg/L: SV-1 at 1-foot bgs; B-1 at 1-foot bgs; B-2 at 5 feet bgs; and SS-2 at 0 to 6 inches bgs. Soluble lead was not identified above the laboratory method detection limit of 0.05 mg/L using the TCLP analytical process. Using California's STLC analytical process, soluble arsenic was detected at a concentration of 0.22 milligrams per liter (mg/L) in SV-5 at 5 feet bgs, and soluble lead concentrations ranged from 0.06 to 0.24 mg/L. The respective STLC and TCLP analyses indicate that the soil does not contain soluble metals above Federal and California hazardous waste thresholds.
- The 1-foot bgs sample collected from B-1 contained total lead above the California Total Threshold Limit Concentration of 1,000 mg/kg, indicating that if soil from this location was removed from the subject property it would be classified as a California hazardous waste.

6.3.2 Soil Vapor Analytical Results

Laboratory analytical results for soil vapor are detailed below.

- Dichlorodifluoromethane (F12) was detected in the soil vapor samples at concentrations ranging from 5.1 to 14 micrograms per cubic meter (µg/m^3).
- Chloromethane was detected in one soil vapor sample (SV-2 at 5 feet bgs) at a concentration of 3.0 µg/m^3.
- Dichloromethane was detected in the soil vapor samples at concentrations ranging from 3.5 to 5.3 µg/m^3.
- Carbon disulfide was detected in the soil vapor samples at concentrations ranging from 7.4 to 7.9 µg/m^3.
- 2-Butanone (MEK) was detected in the soil vapor samples at concentrations ranging from 42 to 98 µg/m^3.
- Chloroform was detected in one soil vapor sample (duplicate sample collected from SV-2 at 5 feet bgs) at a concentration of 5.4 µg/m^3.
- Benzene was detected in the soil vapor samples at concentrations ranging from 3.3 to 9.7 µg/m^3.
- 4-Methyl-2-pentanone (MIBK) was detected in the soil vapor samples at concentrations ranging from 14 to 58 µg/m^3.
- Toluene was detected in the soil vapor samples at concentrations ranging from 9.5 to 22 µg/m^3.

- Tetrachloroethene (PCE) was detected in the soil vapor samples at concentrations ranging from 7.2 to 42 µg/m^3.
- Chlorobenzene was detected in one soil vapor sample (SV-1 at 5 feet bgs) at a concentration of 6.6 µg/m^3.
- Ethylbenzene was detected in the soil vapor samples at concentrations ranging from 6.3 to 7.6 µg/m^3.
- Xylenes were detected in the soil vapor samples at concentrations ranging from 5.2 to 57 µg/m^3.
- 4-Ethyltoluene was detected in the soil vapor samples at concentrations ranging from 8.6 to 12 µg/m^3.
- 1,3,5-Trimethylbenzene was detected in the soil vapor samples at concentrations ranging from 16 to 22 µg/m^3.
- 1,2,4-Trimethylbenzene was detected in the soil vapor samples at concentrations ranging from 44 to 51 µg/m^3.
- The sampling tracer compound DFA was not detected above laboratory method detection limits in any of the samples.
- No other VOCs were identified above laboratory method detection limits in the analyzed soil vapor samples.
- The detected concentrations of VOCs in soil vapor were all below their respective CRWQCB-SF commercial/industrial ESLs.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The following data summary is based on a review of field and laboratory data obtained during SALEM's October 15, 2024, Phase II ESA at the subject property:

- SALEM installed five soil borings to 15 feet bgs (SV-1 through SV-5), four soil borings to 5 feet bgs (B-1 through B-4), and collected three surface samples from depths of 0 to 6 inches bgs (SS-1 through SS-3). Borings SV-1 through SV-5 were converted to nested vapor wells with probes at depths of 5 and 15 feet bgs. The northern portion of the subject property, currently used as an auto and parts storage area, was occupied by vehicle storage, parts, and equipment (forklifts) and was not accessible with a drill rig during SALEM's investigation. Additionally, the tenant refused to move the obstructions to provide access to the areas of investigation. As such, surface samples SS-1 through SS-3 were collected from the northern portion of the subject property instead, which were sufficient to evaluate potential surface releases of COCs from the stored vehicles and parts in the area.

- Generally, soil types consisted of medium brown, slightly moist to dry, silty fine-grained sand with trace gravel to the maximum depth investigated of 15 feet bgs. Discolored/stained soil was not identified in the soil samples. PID readings ranged from zero to 35 ppm in soil samples collected during the investigation, and soil samples collected from borings SV-1 through SV-4, and borings B-2 and B-3, had notable hydrocarbon odors that were observed by the field geologist during drilling. Groundwater was not encountered in any of the soil borings.

- TPH-G, VOCs, and PCBs were not identified above laboratory method detection limits in any of the analyzed soil samples.

- TPH-D was detected in the soil samples at concentrations ranging from 8.9 to 820 mg/kg, below the CRWQCB-SF commercial/industrial ESL of 1,200 mg/kg.

- TPH-O was detected in the soil samples at concentrations ranging from 7.6 to 1,100 mg/kg, below the CRWQCB-SF commercial/industrial ESL of 180,000 mg/kg.

- Title 22 metals detected in the analyzed soil samples included arsenic, barium, beryllium, cadmium, cobalt, chromium, copper, molybdenum, nickel, lead, antimony, vanadium, and zinc. The only metals detected above their respective screening levels included arsenic (six samples above the southern California regional background concentration of 12 mg/kg), and lead (one sample above the CRWQCB-SF commercial/industrial ESL of 320 mg/kg).

- Soil samples with total arsenic or lead concentrations that exceeded 10 times the California STLC and/or 20 times the Federal TCLP were further analyzed for soluble arsenic/lead to evaluate if the soil would be considered hazardous if it was to be excavated and disposed off-site during construction-related excavation activities. Soluble arsenic and lead concentrations did not exceed their respective STLC or TCLP thresholds; however, the total lead concentration detected in B-1 at 1-foot bgs (2,600 mg/kg) did exceed California's Total Threshold Limit Concentration for lead of 1,000 mg/kg, indicating that if soil from this location was excavated and hauled off-site for disposal it would be considered a California hazardous waste and would need to be profiled and disposed at a landfill that is licensed to accept hazardous waste.

- The detected TPH-D/O concentrations in most of the soil samples analyzed during this investigation exceed the waste acceptance criteria for local landfills in Orange and Los Angeles Counties.

- VOCs were identified above laboratory method detection limits in soil vapor samples collected during this investigation; however, none of the detected constituents exceeded their respective CRWQCB-SF commercial/industrial ESLs. Data suggests that constituents detected in the soil vapor samples do not pose a potential risk to human health or the environment. No engineering controls (i.e., VOC vapor barrier) are required to protect building occupants.

No additional assessment is recommended; however, SALEM recommends that localized areas of arsenic and lead-affected soil that exceed applicable regulatory agency screening levels for commercial/industrial occupancy be excavated and disposed off-site to reduce future construction worker and site occupant health risks. Based on the detected concentrations of TPH-D/O, SALEM recommends that soil generated during construction activities be disposed at a Class III landfill that is approved to accept non-hazardous TPH-affected soil. SALEM recommends that a SMP be prepared for the subject property due to the high potential of encountering areas of elevated concentrations of lead, arsenic, and TPH-D/O during grading and construction activities. The SMP will establish protocols for handling, sampling, storage, and disposal of soils generated during construction activities.

8.0 LIMITATIONS

This Phase II Environmental Site Assessment Report has been prepared for the exclusive use of Madison Capital Group Management, LLC. Unauthorized use of or reliance on the information contained in this report, unless given express written consent by SALEM, is strictly prohibited.

The purpose of an environmental site assessment is to reasonably evaluate the potential for adverse impact from past practices at a given property or neighboring properties. It is understood in performing an environmental assessment 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. The professional opinions in this report are based in part on the interpretation of data from discrete sampling locations that may not represent conditions at locations not sampled.

The environmental services provided by SALEM were performed in accordance with accepted practice of professionals performing comparable work in California at the time of the investigation. It is possible that variations in conditions at the Site could exist at points not explored during this investigation. Also, changes in conditions may occur over time due to variations in rainfall, temperature, or other factors not apparent at the time of the field investigation.

The property owners are solely responsible for notifying all governmental agencies and the public of the existence, release, or disposal of any hazardous materials/wastes or petroleum products at the subject property, whether before, during, or after the performance of SALEM's services. SALEM assumes neither responsibility nor liability for any claim, loss of property value, damage, or injury which results from hazardous materials, wastes or petroleum products being present or encountered at a given site.

9.0 REFERENCES

The following list summarizes the references utilized in preparing this report:

- California Regional Water Quality Control Board – San Francisco, *Environmental Screening Levels*, January 2019.
- Department of Toxic Substances Control and Regional Water Quality Control Board, *Supplemental Guidance: Screening and Evaluating Vapor Intrusion*, February 2023.
- SALEM Engineering Group, *AAI Phase I Environmental Site Assessment, Proposed Self-Storage Facility, 12090 Whittier Boulevard, Whitter, CA 90602*, September 18, 2024.

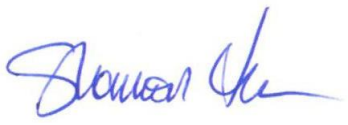
10.0 SIGNATURES

If you have any questions, or if we can be of further assistance, please do not hesitate to contact our office at (909) 980-6435.

Respectfully submitted,

SALEM Engineering Group, Inc.

James Robert, L.G., L.H.G.
Senior Hydrogeologist



Shannon Lodge, PG
Senior Project Manager

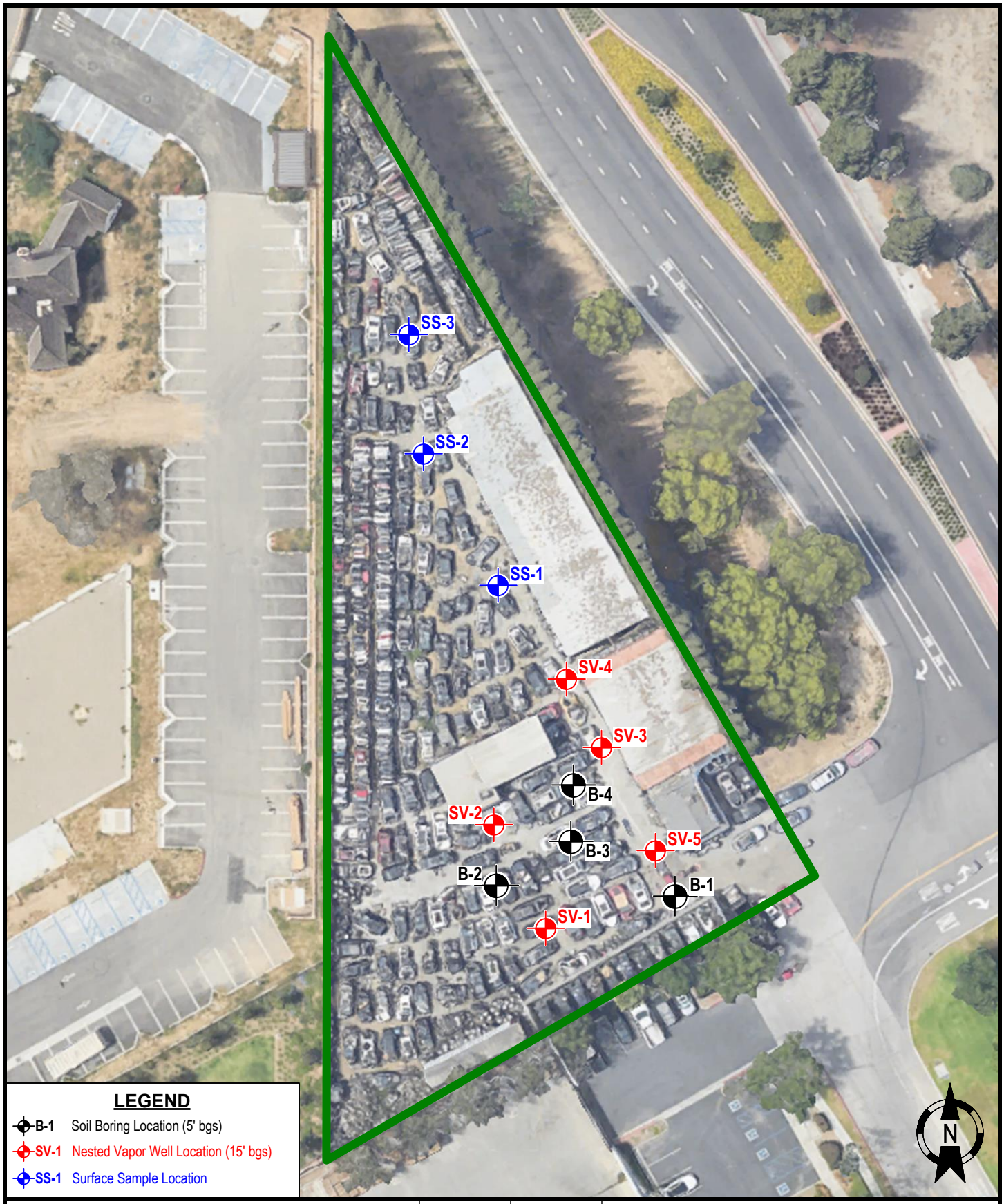
Figures

SITE MAP

PROPOSED SELF-STORAGE FACILITY
12090 WHITTIER BOULEVARD
WHITTIER, CALIFORNIA

SCALE:	DATE:
NTS	Nov. 2024
DRAWN BY:	**APPROVED BY:**
BR	JR
PROJECT NO.:	**FIGURE NO.:**
3-424-0858	1

SALEM engineering group, inc.



LEGEND

- B-1 Soil Boring Location (5' bgs)
- SV-1 Nested Vapor Well Location (15' bgs)
- SS-1 Surface Sample Location

SITE PLAN SHOWING SOIL AND SOIL VAPOR SAMPLE LOCATIONS

PROPOSED SELF-STORAGE FACILITY
12090 WHITTIER BOULEVARD
WHITTIER, CALIFORNIA

SCALE:	DATE:
NTS	Nov. 2024
DRAWN BY:	**APPROVED BY:**
BR	JR
PROJECT NO.:	**FIGURE NO.:**
3-424-0858	2

SALEM engineering group, inc.

Tables

TABLE 1

Soil Analytical Summary - Petroleum Hydrocarbons, PCBs, and VOCs
Proposed Commercial Development
12090 Whittier Boulevard
Whittier, California

Date Sampled	Sample Collection Point	Total Petroleum Hydrocarbons - Gasoline (C4-C12) (mg/kg)	Total Petroleum Hydrocarbons - Diesel (C10-C24) (mg/kg)	Total Petroleum Hydrocarbons - Oil (C22-C36) (mg/kg)	Polychlorinated Biphenyls (mg/kg)	Volatile Organic Compounds (ug/kg)
10/15/2024	SV-1 @1'	ND (0.050)	36	110	ND (0.050)	ND (5.0)
	SV-1 @5'	ND (0.050)	13	51	NA	ND (5.0)
	SV-1 @15'	ND (0.050)	ND (5.0)	31	NA	ND (5.0)
10/15/2024	SV-2 @1'	ND (0.050)	150	260	ND (0.050)	ND (5.0)
	SV-2 @5'	ND (0.050)	9.1	42	NA	ND (5.0)
	SV-2 @15'	ND (0.050)	ND (5.0)	12	NA	ND (5.0)
10/15/2024	SV-3 @1'	ND (0.050)	740	1,300	ND (0.050)	ND (5.0)
	SV-3 @5'	ND (0.050)	ND (5.0)	ND (5.0)	NA	ND (5.0)
	SV-3 @15'	ND (0.050)	ND (5.0)	ND (5.0)	NA	ND (5.0)
10/15/2024	SV-4 @1'	ND (0.050)	220	270	ND (0.050)	ND (5.0)
	SV-4 @5'	ND (0.050)	ND (5.0)	ND (5.0)	NA	ND (5.0)
	SV-4 @15'	ND (0.050)	ND (5.0)	7.6	NA	ND (5.0)
10/15/2024	SV-5 @1'	ND (0.050)	85	300	ND (0.050)	ND (5.0)
	SV-5 @5'	ND (0.050)	16	81	NA	ND (5.0)
	SV-5 @15'	ND (0.050)	29	29	NA	ND (5.0)
10/15/2024	B-1 @1'	ND (0.050)	24	41	ND (0.050)	ND (5.0)
	B-1 @5'	ND (0.050)	ND (5.0)	27	NA	ND (5.0)
10/15/2024	B-2 @1'	ND (0.050)	520	1,000	ND (0.050)	ND (5.0)
	B-2 @5'	ND (0.050)	71	250	NA	ND (5.0)
10/15/2024	B-3 @1'	ND (0.050)	820	1,100	ND (0.050)	ND (5.0)
	B-3 @5'	ND (0.050)	160	200	NA	ND (5.0)
10/15/2024	B-4 @1'	ND (0.050)	16	65	ND (0.050)	ND (5.0)
	B-4 @5'	ND (0.050)	8.9	32	NA	ND (5.0)
10/15/2024	SS-1	ND (0.050)	150	380	ND (0.050)	ND (5.0)
10/15/2024	SS-2	ND (0.050)	110	270	ND (0.050)	ND (5.0)
10/15/2024	SS-3	ND (0.050)	140	250	ND (0.050)	ND (5.0)
California Regional Water Quality Control Board - San Francisco Environmental Screening Level for Commercial Soil:		2,000*	1,200*	180,000*	Varies	Varies

Samples analyzed using EPA Methods 8015M/B, 8082, and 8260B

* Non-cancer endpoint

ND = Non-detect, concentrations below laboratory detection limits

NA = Not analyzed

mg/kg = milligrams per kilogram

ug/kg = micrograms per kilogram

bgs = below ground surface

TABLE 2
Soil Analytical Summary - Title 22 Metals
Proposed Commercial Development
12090 Whittier Boulevard
Whittier, California

Date Sampled	Sample Collection Point	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Cobalt (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Lead (mg/kg)	Antimony (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)	All Other Title 22 Metals
10/15/2024	SV-1 @1'	ND (2.0)	130	ND (1.0)	3.4	5.9	19	44	3.7	31	140	ND (2.0)	17	180	ND
	SV-1 @5'	ND (2.0)	130	1.4	1.9	7.5	12	16	4.2	16	6.3	ND (2.0)	24	35	ND
	SV-1 @15'	ND (2.0)	74	ND (1.0)	ND (1.0)	3.8	7.2	10	1.4	9.1	1.4	ND (2.0)	16	19	ND
10/15/2024	SV-2 @1'	ND (2.0)	66	ND (1.0)	ND (1.0)	2.7	4.3	18	ND (1.0)	7.7	89	ND (2.0)	7.0	120	ND
	SV-2 @5'	7.3	120	ND (1.0)	ND (1.0)	5.6	12	16	1.6	15	8.7	ND (2.0)	26	35	ND
	SV-2 @15'	ND (2.0)	75	ND (1.0)	ND (1.0)	4.0	8.2	11	1.4	10	1.7	ND (2.0)	17	21	ND
10/15/2024	SV-3 @1'	**22**	130	ND (1.0)	1.7	6.0	13	17	3.2	17	7.3	ND (2.0)	29	40	ND
	SV-3 @5'	ND (2.0)	140	ND (1.0)	ND (1.0)	7.5	14	16	1.6	16	7.0	2.0	31	34	ND
	SV-3 @15'	ND (2.0)	160	ND (1.0)	ND (1.0)	7.6	15	19	2.0	19	3.0	2.4	33	40	ND
10/15/2024	SV-4 @1'	ND (2.0)	160	ND (1.0)	ND (1.0)	7.7	15	22	ND (1.0)	14	21	ND (2.0)	30	65	ND
	SV-4 @5'	7.3	74	ND (1.0)	ND (1.0)	3.3	6.6	10	1.4	8.7	1.5	ND (2.0)	13	19	ND
	SV-4 @15'	ND (2.0)	140	ND (1.0)	ND (1.0)	6.4	13	16	2.3	16	2.4	2.0	27	34	ND
10/15/2024	SV-5 @1'	ND (2.0)	65	ND (1.0)	ND (1.0)	3.1	6.9	11	1.5	8.2	4.3	ND (2.0)	15	23	ND
	SV-5 @5'	**77**	150	ND (1.0)	1.2	8.2	18	24	3.4	23	17	ND (2.0)	39	64	ND
	SV-5 @15'	ND (2.0)	81	ND (1.0)	ND (1.0)	4.8	9.4	13	1.7	11	2.3	ND (2.0)	20	27	ND
10/15/2024	B-1 @1'	ND (2.0)	120	ND (1.0)	2.1	4.8	9.6	39	1.7	13	**2,600**	10	17	140	ND
	B-1 @5'	ND (2.0)	130	ND (1.0)	ND (1.0)	5.5	12	15	3.9	14	57	2.3	25	31	ND
10/15/2024	B-2 @1'	ND (2.0)	120	ND (1.0)	ND (1.0)	4.8	4.9	13	ND (1.0)	4.5	6.0	ND (2.0)	15	28	ND
	B-2 @5'	2.6	220	ND (1.0)	ND (1.0)	2.8	8.5	18	2.4	7.5	290	ND (2.0)	11	71	ND
10/15/2024	B-3 @1'	ND (2.0)	87	ND (1.0)	ND (1.0)	5.7	9.6	12	1.6	12	18	ND (2.0)	19	31	ND
	B-3 @5'	**27**	170	ND (1.0)	1.6	9.7	20	28	4.0	26	28	ND (2.0)	42	84	ND
10/15/2024	B-4 @1'	**14**	110	ND (1.0)	ND (1.0)	5.7	10	13	1.6	13	12	ND (2.0)	22	39	ND
	B-4 @5'	**21**	110	ND (1.0)	ND (1.0)	5.2	10	14	1.8	13	4.2	ND (2.0)	22	31	ND
10/15/2024	SS-1	2.6	120	1.8	4.7	6.6	13	30	3.9	24	94	ND (2.0)	19	240	ND
10/15/2024	SS-2	ND (2.0)	85	ND (1.0)	2.9	4.0	9.0	24	1.7	16	310	ND (2.0)	15	120	ND
10/15/2024	SS-3	**17**	190	ND (1.0)	4.8	8.4	18	49	3.0	29	35	ND (2.0)	36	200	ND
California Regional Water Quality Control Board - San Francisco Environmental Screening Level for Commercial Soil:		12**	220,000*	230*	1,100*	350*	1,800,000*	47,000*	5,800*	11,000*	320*	160*	5,800*	35,000*	Varies

Title 22 Metal samples analyzed using EPA Method 6010B/7471A
* USEPA Commercial/Industrial RSL Non-cancer Endpoint
** Background concentration in Southern California soils
BOLD Concentration exceeds screening level
ND = Non-detect, concentrations below laboratory detection limits
mg/kg = milligrams per kilogram

TABLE 3
Soil Analytical Summary - Soluble Metals
Proposed Commercial Development
12090 Whittier Boulevard
Whittier, California

Date Sampled	Sample Collection Point	STLC Arsenic (mg/L)	STLC Lead (mg/L)	TCLP Lead (mg/L)
10/15/2024	SV-1 @1'	NA	0.24	ND (0.05)
10/15/2024	SV-2 @1'	NA	0.11	NA
10/15/2024	SV-5 @5'	0.22	NA	NA
10/15/2024	B-1 @1'	NA	0.19	ND (0.05)
	B-1 @5'	NA	ND (0.02)	NA
10/15/2024	B-2 @5'	NA	0.06	ND (0.05)
10/15/2024	SS-1	NA	ND (0.02)	NA
10/15/2024	SS-2	NA	0.08	ND (0.05)
California STLC and Federal TCLP for Hazardous Waste Determination		5.0	5.0	5.0

Soluble metal samples analyzed using EPA Method 6010B
STLC = Soluble threshold limit concentration
TCLP = Toxicity characteristics leachate procedure
mg/L = Milligrams per liter
ND = Non-detect, concentrations below laboratory detection limits
NA = Not analyzed, sample did not contain total metals above 10xSTLC or 20xTCLP

TABLE 4
Soil Vapor Analytical Summary - Volatile Organic Compounds
12090 Whittier Boulevard
Whittier, California

Date Sampled	Sample Collection Point	F12 (µg/m3)	Chloro methane (µg/m3)	Dichloro methane (µg/m3)	Carbon Disulfide (µg/m3)	MEK (µg/m3)	Chloroform (µg/m3)	Benzene (µg/m3)	MIBK (µg/m3)	Toluene (µg/m3)	PCE (µg/m3)	Chloro benzene (µg/m3)	Ethyl benzene (µg/m3)	Xylenes (µg/m3)	4-Ethyl toluene (µg/m3)	1,3,5-Trimethyl benzene (µg/m3)	1,2,4-Trimethyl benzene (µg/m3)	Volatile Organic Compounds*
10/15/24	SV-1 @5'	ND (5.0)	ND (2.1)	ND (3.5)	ND (6.3)	57	ND (4.9)	3.3	14	9.5	8.7	6.6	ND (4.4)	ND (4.4)	ND (5.0)	ND (5.0)	ND (5.0)	ND
10/15/24	SV-1 @ 15'	5.1	ND (2.1)	ND (3.5)	ND (6.3)	59	ND (4.9)	8.3	17	12	9.4	ND (4.7)	ND (4.4)	ND (4.4)	ND (5.0)	ND (5.0)	ND (5.0)	ND
10/15/24	SV-2 @5'	ND (5.0)	3.0	4.2	ND (6.3)	88	ND (4.9)	6.3	44	22	13	ND (4.7)	6.9	48	9.4	19	49	ND
10/15/24	SV-2 @ 5' Dup	5.1	ND (2.1)	3.7	ND (6.3)	85	5.4	6.0	48	21	28	ND (4.7)	6.3	45	8.6	16	44	ND
10/15/24	SV-2 @15'	5.6	ND (2.1)	4.2	7.4	98	ND (4.9)	9.2	34	22	9.0	ND (4.7)	7.6	57	12	22	51	ND
10/15/24	SV-3 @5'	11	ND (2.1)	3.5	ND (6.3)	42	ND (4.9)	5.7	22	14	42	ND (4.7)	ND (4.4)	ND (4.4)	ND (5.0)	ND (5.0)	ND (5.0)	ND
10/15/24	SV-3 @15'	11	ND (2.1)	3.7	7.9	60	ND (4.9)	8.9	32	16	15	ND (4.7)	ND (4.4)	5.2	ND (5.0)	ND (5.0)	ND (5.0)	ND
10/15/24	SV-4 @5'	11	ND (2.1)	5.3	ND (6.3)	56	ND (4.9)	6.0	58	19	7.2	ND (4.7)	ND (4.4)	17	ND (5.0)	ND (5.0)	ND (5.0)	ND
10/15/24	SV-4 @15'	14	ND (2.1)	ND (3.5)	ND (6.3)	51	ND (4.9)	9.7	32	14	ND (6.9)	ND (4.7)	ND (4.4)	ND (4.4)	ND (5.0)	ND (5.0)	ND (5.0)	ND
10/15/24	SV-5 @5'	10	ND (2.1)	ND (3.5)	ND (6.3)	45	ND (4.9)	3.9	45	12	14	ND (4.7)	ND (4.4)	ND (4.4)	ND (5.0)	ND (5.0)	ND (5.0)	ND
10/15/24	SV-5 @15'	14	ND (2.1)	ND (3.5)	ND (6.3)	45	ND (4.9)	7.1	52	12	21	ND (4.7)	ND (4.4)	14	ND (5.0)	ND (5.0)	ND (5.0)	ND
CRWQCB-SF ESL for Commercial/Industrial Soil Vapor (µg/m3)		NE	13,000 (NC)	NE	NE	730,000 (NC)	18	14	440,000 (NC)	44,000 (NC)	67	7,300 (NC)	160	15,000 (NC	NE	NE	NE	Varies

All samples analyzed by EPA Method TO-15 by gas chromatograph/mass spectrometer
µg/m3 = Micrograms per cubic meter
ND = Not detected above analytical method detection limit
(#) = analytical method detection limit
Dup = Duplicate sample
F12 = Dichlorodifluoromethane
MEK = 2-Butanone
MIBK = 4-Methyl-2-pentanone
PCE = Tetrachloroethene
ESL = Environmental Screening Level
NE = Not established
CRWQCB-SF = California Regional Water Quality Control Board - San Francisco
NC = Non-carcinogenic so non-cancer endpoint was utilized
* = All other volatile organic compounds not detected above respective method detection limits

APPENDIX

A

Mobile Geochemistry Inc.

25 October 2024

Jim Robert
Salem Engineering Group, Inc.
8711 Monroe Court, Suite A
Rancho Cucamonga, CA 91730

NELAP Accredited
TNI Cert #04138
Agency Interest #136158

PJLA Testing
Accreditation #69070

H&P Project: SLM101724-10
Client Project: 3-424-0858 / 12090 Whittier Blvd

Dear Jim Robert:

Enclosed is the analytical report for the above referenced project. The data herein applies to samples as received by H&P Mobile Geochemistry, Inc. on 15-Oct-24 which were analyzed in accordance with the attached Chain of Custody record(s).

The results for all sample analyses and required QA/QC analyses are presented in the following sections and summarized in the documents:

- Sample Summary
- Case Narrative (if applicable)
- Sample Results
- Quality Control Summary
- Notes and Definitions / Appendix
- Chain of Custody
- Sampling Logs (if applicable)

Unless otherwise noted, I certify that all analyses were performed and reviewed in compliance with our Quality Systems Manual and Standard Operating Procedures. This report shall not be reproduced, except in full, without the written approval of H&P Mobile Geochemistry, Inc.

We at H&P Mobile Geochemistry, Inc. sincerely appreciate the opportunity to provide analytical services to you on this project. If you have any questions or concerns regarding this analytical report, please contact me at your convenience at 760-804-9678.

Sincerely,

Lisa Eminhizer
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the National Environmental Laboratory Accreditation Conference (NELAC) for the fields of proficiency and analytes listed on those certificates. H& P is approved as an Environmental Testing Laboratory in accordance with the DoD -ELAP Program and ISO/IEC 17025:2005 programs for the fields of proficiency and analytes included in the certification process and to the extent offered by the accreditation agency. Unless otherwise noted, accreditation certificate numbers, expiration of certificates, and scope of accreditation can be found at: www.handpmg.com/about/certifications. Fields of services and analytes contained in this report that are not listed on the certificates should be considered uncertified or unavailable for certification.

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV1-5	E410055-01	Vapor	15-Oct-24	15-Oct-24
SV1-15	E410055-02	Vapor	15-Oct-24	15-Oct-24
SV2-5	E410055-03	Vapor	15-Oct-24	15-Oct-24
SV2-5 REP	E410055-04	Vapor	15-Oct-24	15-Oct-24
SV2-15	E410055-05	Vapor	15-Oct-24	15-Oct-24
SV4-5	E410055-06	Vapor	15-Oct-24	15-Oct-24
SV4-15	E410055-07	Vapor	15-Oct-24	15-Oct-24
SV3-5	E410055-08	Vapor	15-Oct-24	15-Oct-24
SV3-15	E410055-09	Vapor	15-Oct-24	15-Oct-24
SV5-5	E410055-10	Vapor	15-Oct-24	15-Oct-24
SV5-15	E410055-11	Vapor	15-Oct-24	15-Oct-24

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8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

DETECTIONS SUMMARY

Sample ID: **SV1-5** Laboratory ID: **E410055-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
2-Butanone (MEK)	**57**	30	ug/m3	EPA TO-15	
Benzene	**3.3**	3.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	**14**	8.3	ug/m3	EPA TO-15	
Toluene	**9.5**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**8.7**	6.9	ug/m3	EPA TO-15	
Chlorobenzene	**6.6**	4.7	ug/m3	EPA TO-15	

Sample ID: **SV1-15** Laboratory ID: **E410055-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**5.1**	5.0	ug/m3	EPA TO-15	
2-Butanone (MEK)	**59**	30	ug/m3	EPA TO-15	
Benzene	**8.3**	3.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	**17**	8.3	ug/m3	EPA TO-15	
Toluene	**12**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**9.4**	6.9	ug/m3	EPA TO-15	

Sample ID: **SV2-5** Laboratory ID: **E410055-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloromethane	**3.0**	2.1	ug/m3	EPA TO-15	
Methylene chloride (Dichloromethane)	**4.2**	3.5	ug/m3	EPA TO-15	
2-Butanone (MEK)	**88**	30	ug/m3	EPA TO-15	
Benzene	**6.3**	3.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	**44**	8.3	ug/m3	EPA TO-15	
Toluene	**22**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**13**	6.9	ug/m3	EPA TO-15	
Ethylbenzene	**6.9**	4.4	ug/m3	EPA TO-15	
m,p-Xylene	**27**	8.8	ug/m3	EPA TO-15	
o-Xylene	**21**	4.4	ug/m3	EPA TO-15	
4-Ethyltoluene	**9.4**	5.0	ug/m3	EPA TO-15	
1,3,5-Trimethylbenzene	**19**	5.0	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	**49**	5.0	ug/m3	EPA TO-15	

Sample ID: **SV2-5 REP** Laboratory ID: **E410055-04**

Analyte	Result	Reporting Limit	Units	Method	Notes

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8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Sample ID: **SV2-5 REP** Laboratory ID: **E410055-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**5.1**	5.0	ug/m3	EPA TO-15	
Methylene chloride (Dichloromethane)	**3.7**	3.5	ug/m3	EPA TO-15	
2-Butanone (MEK)	**85**	30	ug/m3	EPA TO-15	
Chloroform	**5.4**	4.9	ug/m3	EPA TO-15	
Benzene	**6.0**	3.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	**48**	8.3	ug/m3	EPA TO-15	
Toluene	**21**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**28**	6.9	ug/m3	EPA TO-15	
Ethylbenzene	**6.3**	4.4	ug/m3	EPA TO-15	
m,p-Xylene	**25**	8.8	ug/m3	EPA TO-15	
o-Xylene	**20**	4.4	ug/m3	EPA TO-15	
4-Ethyltoluene	**8.6**	5.0	ug/m3	EPA TO-15	
1,3,5-Trimethylbenzene	**16**	5.0	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	**44**	5.0	ug/m3	EPA TO-15	

Sample ID: **SV2-15** Laboratory ID: **E410055-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**5.6**	5.0	ug/m3	EPA TO-15	
Methylene chloride (Dichloromethane)	**4.2**	3.5	ug/m3	EPA TO-15	
Carbon disulfide	**7.4**	6.3	ug/m3	EPA TO-15	
2-Butanone (MEK)	**98**	30	ug/m3	EPA TO-15	
Benzene	**9.2**	3.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	**34**	8.3	ug/m3	EPA TO-15	
Toluene	**22**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**9.0**	6.9	ug/m3	EPA TO-15	
Ethylbenzene	**7.6**	4.4	ug/m3	EPA TO-15	
m,p-Xylene	**34**	8.8	ug/m3	EPA TO-15	
o-Xylene	**23**	4.4	ug/m3	EPA TO-15	
4-Ethyltoluene	**12**	5.0	ug/m3	EPA TO-15	
1,3,5-Trimethylbenzene	**22**	5.0	ug/m3	EPA TO-15	
1,2,4-Trimethylbenzene	**51**	5.0	ug/m3	EPA TO-15	

Sample ID: **SV4-5** Laboratory ID: **E410055-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**11**	5.0	ug/m3	EPA TO-15	
Methylene chloride (Dichloromethane)	**5.3**	3.5	ug/m3	EPA TO-15	
2-Butanone (MEK)	**56**	30	ug/m3	EPA TO-15	

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Sample ID: **SV4-5** Laboratory ID: **E410055-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**6.0**	3.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	**58**	8.3	ug/m3	EPA TO-15	
Toluene	**19**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**7.2**	6.9	ug/m3	EPA TO-15	
m,p-Xylene	**11**	8.8	ug/m3	EPA TO-15	
o-Xylene	**5.9**	4.4	ug/m3	EPA TO-15	

Sample ID: **SV4-15** Laboratory ID: **E410055-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**14**	5.0	ug/m3	EPA TO-15	
2-Butanone (MEK)	**51**	30	ug/m3	EPA TO-15	
Benzene	**9.7**	3.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	**32**	8.3	ug/m3	EPA TO-15	
Toluene	**14**	3.8	ug/m3	EPA TO-15	

Sample ID: **SV3-5** Laboratory ID: **E410055-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**11**	5.0	ug/m3	EPA TO-15	
Methylene chloride (Dichloromethane)	**3.5**	3.5	ug/m3	EPA TO-15	
2-Butanone (MEK)	**42**	30	ug/m3	EPA TO-15	
Benzene	**5.7**	3.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	**22**	8.3	ug/m3	EPA TO-15	
Toluene	**14**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**42**	6.9	ug/m3	EPA TO-15	

Sample ID: **SV3-15** Laboratory ID: **E410055-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**11**	5.0	ug/m3	EPA TO-15	
Methylene chloride (Dichloromethane)	**3.7**	3.5	ug/m3	EPA TO-15	
Carbon disulfide	**7.9**	6.3	ug/m3	EPA TO-15	
2-Butanone (MEK)	**60**	30	ug/m3	EPA TO-15	
Benzene	**8.9**	3.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	**32**	8.3	ug/m3	EPA TO-15	
Toluene	**16**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**15**	6.9	ug/m3	EPA TO-15	
o-Xylene	**5.2**	4.4	ug/m3	EPA TO-15	

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Sample ID: **SV5-5** Laboratory ID: **E410055-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**10**	5.0	ug/m3	EPA TO-15	
2-Butanone (MEK)	**45**	30	ug/m3	EPA TO-15	
Benzene	**3.9**	3.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	**45**	8.3	ug/m3	EPA TO-15	
Toluene	**12**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**14**	6.9	ug/m3	EPA TO-15	

Sample ID: **SV5-15** Laboratory ID: **E410055-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
Dichlorodifluoromethane (F12)	**14**	5.0	ug/m3	EPA TO-15	
2-Butanone (MEK)	**45**	30	ug/m3	EPA TO-15	
Benzene	**7.1**	3.2	ug/m3	EPA TO-15	
4-Methyl-2-pentanone (MIBK)	**52**	8.3	ug/m3	EPA TO-15	
Toluene	**12**	3.8	ug/m3	EPA TO-15	
Tetrachloroethene	**21**	6.9	ug/m3	EPA TO-15	
m,p-Xylene	**10**	8.8	ug/m3	EPA TO-15	
o-Xylene	**4.4**	4.4	ug/m3	EPA TO-15	

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8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (E410055-01) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**57**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**3.3**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**14**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**9.5**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**8.7**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	**6.6**	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	

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8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (E410055-01) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
o-Xylene	ND	4.4	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.2 %*		*77-127*	"	"	"	"	
SV1-15 (E410055-02) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Dichlorodifluoromethane (F12)	**5.1**	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**59**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**8.3**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-15 (E410055-02) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
Trichloroethene	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**17**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**12**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**9.4**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*77-127*	"	"	"	"	

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5 (E410055-03) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Dichlorodifluoromethane (F12)	ND	5.0	"	"	"	"	"	"	
Chloromethane	**3.0**	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**4.2**	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**88**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**6.3**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**44**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**22**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**13**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	**6.9**	4.4	"	"	"	"	"	"	
m,p-Xylene	**27**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5 (E410055-03) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
o-Xylene	**21**	4.4	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	**9.4**	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**19**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**49**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.4 %*		*77-127*	"	"	"	"	
SV2-5 REP (E410055-04) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Dichlorodifluoromethane (F12)	**5.1**	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**3.7**	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**85**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	**5.4**	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**6.0**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5 REP (E410055-04) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
Trichloroethene	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**48**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**21**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**28**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	**6.3**	4.4	"	"	"	"	"	"	
m,p-Xylene	**25**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	**20**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	**8.6**	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**16**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**44**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.0 %*		*77-127*	"	"	"	"	

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-15 (E410055-05) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Dichlorodifluoromethane (F12)	**5.6**	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**4.2**	3.5	"	"	"	"	"	"	
Carbon disulfide	**7.4**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**98**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**9.2**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**34**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**22**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**9.0**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	**7.6**	4.4	"	"	"	"	"	"	
m,p-Xylene	**34**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-15 (E410055-05) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
o-Xylene	**23**	4.4	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	**12**	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**22**	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**51**	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.7 %*		*77-127*	"	"	"	"	
SV4-5 (E410055-06) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Dichlorodifluoromethane (F12)	**11**	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**5.3**	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**56**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**6.0**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV4-5 (E410055-06) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
Trichloroethene	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**58**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**19**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**7.2**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**11**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	**5.9**	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.0 %*		*77-127*	"	"	"	"	

H&P Mobile
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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV4-15 (E410055-07) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Dichlorodifluoromethane (F12)	**14**	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**51**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**9.7**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**32**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**14**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV4-15 (E410055-07) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
o-Xylene	ND	4.4	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.5 %*		*77-127*	"	"	"	"	
SV3-5 (E410055-08) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Dichlorodifluoromethane (F12)	**11**	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**3.5**	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**42**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**5.7**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-5 (E410055-08) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
Trichloroethene	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**22**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**14**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**42**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*79.8 %*		*77-127*	"	"	"	"	

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-15 (E410055-09) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Dichlorodifluoromethane (F12)	**11**	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	**3.7**	3.5	"	"	"	"	"	"	
Carbon disulfide	**7.9**	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**60**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**8.9**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**32**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**16**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**15**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-15 (E410055-09) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
o-Xylene	**5.2**	4.4	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*112 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*110 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.9 %*		*77-127*	"	"	"	"	
SV5-5 (E410055-10) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Dichlorodifluoromethane (F12)	**10**	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**45**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**3.9**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-5 (E410055-10) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
Trichloroethene	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**45**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**12**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**14**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*77.6 %*		*77-127*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

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760-804-9159 Fax

Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-15 (E410055-11) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Dichlorodifluoromethane (F12)	**14**	5.0	"	"	"	"	"	"	
Chloromethane	ND	2.1	"	"	"	"	"	"	
Dichlorotetrafluoroethane (F114)	ND	7.1	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
Bromomethane	ND	16	"	"	"	"	"	"	
Chloroethane	ND	8.0	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	5.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	3.5	"	"	"	"	"	"	
Carbon disulfide	ND	6.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
2-Butanone (MEK)	**45**	30	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
Chloroform	ND	4.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	4.1	"	"	"	"	"	"	
Benzene	**7.1**	3.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
1,2-Dichloropropane	ND	9.4	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	**52**	8.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Toluene	**12**	3.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	
2-Hexanone (MBK)	ND	8.3	"	"	"	"	"	"	
Dibromochloromethane	ND	8.6	"	"	"	"	"	"	
Tetrachloroethene	**21**	6.9	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	**10**	8.8	"	"	"	"	"	"	
Styrene	ND	4.3	"	"	"	"	"	"	

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-15 (E410055-11) Vapor Sampled: 15-Oct-24 Received: 15-Oct-24									
o-Xylene	**4.4**	4.4	ug/m3	1	EJ42212	22-Oct-24	22-Oct-24	EPA TO-15	
Bromoform	ND	10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	12	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	38	"	"	"	"	"	"	
Hexachlorobutadiene	ND	54	"	"	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*114 %*		*76-134*	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*78-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*91.0 %*		*77-127*	"	"	"	"	

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ42212 - TO-15										
Blank (EJ42212-BLK1)				Prepared & Analyzed: 22-Oct-24						
1,1-Difluoroethane (LCC)	ND	5.5	ug/m3							
Dichlorodifluoromethane (F12)	ND	5.0	"							
Chloromethane	ND	2.1	"							
Dichlorotetrafluoroethane (F114)	ND	7.1	"							
Vinyl chloride	ND	2.6	"							
Bromomethane	ND	16	"							
Chloroethane	ND	8.0	"							
Trichlorofluoromethane (F11)	ND	5.6	"							
1,1-Dichloroethene	ND	4.0	"							
1,1,2-Trichlorotrifluoroethane (F113)	ND	7.7	"							
Methylene chloride (Dichloromethane)	ND	3.5	"							
Carbon disulfide	ND	6.3	"							
trans-1,2-Dichloroethene	ND	8.0	"							
1,1-Dichloroethane	ND	4.1	"							
2-Butanone (MEK)	ND	30	"							
cis-1,2-Dichloroethene	ND	4.0	"							
Chloroform	ND	4.9	"							
1,1,1-Trichloroethane	ND	5.5	"							
1,2-Dichloroethane (EDC)	ND	4.1	"							
Benzene	ND	3.2	"							
Carbon tetrachloride	ND	6.4	"							
Trichloroethene	ND	5.5	"							
1,2-Dichloropropane	ND	9.4	"							
Bromodichloromethane	ND	6.8	"							
cis-1,3-Dichloropropene	ND	4.6	"							
4-Methyl-2-pentanone (MIBK)	ND	8.3	"							
trans-1,3-Dichloropropene	ND	4.6	"							
Toluene	ND	3.8	"							
1,1,2-Trichloroethane	ND	5.5	"							
2-Hexanone (MBK)	ND	8.3	"							
Dibromochloromethane	ND	8.6	"							
Tetrachloroethene	ND	6.9	"							
1,2-Dibromoethane (EDB)	ND	7.8	"							
1,1,1,2-Tetrachloroethane	ND	7.0	"							

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8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ42212 - TO-15										
Blank (EJ42212-BLK1)				Prepared & Analyzed: 22-Oct-24						
Chlorobenzene	ND	4.7	ug/m3							
Ethylbenzene	ND	4.4	"							
m,p-Xylene	ND	8.8	"							
Styrene	ND	4.3	"							
o-Xylene	ND	4.4	"							
Bromoform	ND	10	"							
1,1,2,2-Tetrachloroethane	ND	7.0	"							
4-Ethyltoluene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	12	"							
1,4-Dichlorobenzene	ND	12	"							
1,2-Dichlorobenzene	ND	12	"							
1,2,4-Trichlorobenzene	ND	38	"							
Hexachlorobutadiene	ND	54	"							
Surrogate: 1,2-Dichloroethane-d4	*216*		*"*	*214*		*101*	*76-134*			
Surrogate: Toluene-d8	*229*		*"*	*208*		*110*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*346*		*"*	*363*		*95.2*	*77-127*			
LCS (EJ42212-BS1)				Prepared & Analyzed: 22-Oct-24						
Dichlorodifluoromethane (F12)	95	5.0	ug/m3	101		94.5	59-128			
Vinyl chloride	47	2.6	"	52.0		90.6	64-127			
Chloroethane	45	8.0	"	53.6		84.0	63-127			
Trichlorofluoromethane (F11)	100	5.6	"	113		88.1	62-126			
1,1-Dichloroethene	75	4.0	"	80.8		92.4	61-133			
1,1,2-Trichlorotrifluoroethane (F113)	150	7.7	"	155		93.6	66-126			
Methylene chloride (Dichloromethane)	62	3.5	"	70.8		87.2	62-115			
trans-1,2-Dichloroethene	76	8.0	"	80.8		94.3	67-124			
1,1-Dichloroethane	80	4.1	"	82.4		96.9	68-126			
cis-1,2-Dichloroethene	78	4.0	"	80.0		98.1	70-121			
Chloroform	94	4.9	"	99.2		94.7	68-123			
1,1,1-Trichloroethane	110	5.5	"	111		94.5	68-125			
1,2-Dichloroethane (EDC)	82	4.1	"	82.4		99.2	65-128			

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Volatile Organic Compounds by EPA TO-15 - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ42212 - TO-15										
LCS (EJ42212-BS1)				Prepared & Analyzed: 22-Oct-24						
Benzene	62	3.2	ug/m3	64.8		95.9	69-119			
Carbon tetrachloride	110	6.4	"	128		89.0	68-132			
Trichloroethene	100	5.5	"	110		93.5	71-123			
Toluene	80	3.8	"	76.8		104	66-119			
1,1,2-Trichloroethane	110	5.5	"	111		99.5	73-119			
Tetrachloroethene	130	6.9	"	138		95.2	66-124			
1,1,1,2-Tetrachloroethane	130	7.0	"	140		91.4	67-129			
Ethylbenzene	82	4.4	"	88.4		92.8	70-124			
m,p-Xylene	81	8.8	"	88.4		91.1	61-134			
o-Xylene	78	4.4	"	88.4		88.7	67-125			
1,1,2,2-Tetrachloroethane	130	7.0	"	140		93.6	65-127			
Surrogate: 1,2-Dichloroethane-d4	*238*		*"*	*214*		*111*	*76-134*			
Surrogate: Toluene-d8	*220*		*"*	*208*		*106*	*78-125*			
Surrogate: 4-Bromofluorobenzene	*352*		*"*	*363*		*96.9*	*77-127*			

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Salem Engineering Group, Inc.	Project: SLM101724-10	
8711 Monroe Court, Suite A	Project Number: 3-424-0858 / 12090 Whittier Blvd	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Jim Robert	25-Oct-24 08:34

Notes and Definitions

LCC	Leak Check Compound
ND	Analyte NOT DETECTED at or above the reporting limit
MDL	Method Detection Limit
%REC	Percent Recovery
RPD	Relative Percent Difference

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs through PJLA, accreditation number 69070 for EPA Method TO-15 and H&P 8260SV.

H&P is approved by the State of Louisiana Department of Environmental Quality under the National Environmental Laboratory Accreditation Conference (NELAC) certification number 04138

The complete list of stationary and mobile laboratory certifications along with the fields of testing (FOTs) and analyte lists are available at www.handpmg.com/about/certifications.

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VAPOR / AIR Chain of Custody

DATE: 10/15/24
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: SALEM	Project Name / #: 3-424-0858
Lab Client Project Manager: JIM ROBERT	Project Location: 12090 WHITTIER BLVD
Lab Client Address: 8711 MONROE CT SUITE A	Report E-Mail(s): JIM@SALEM.NET
Lab Client City, State, Zip: RANCHO CUCAMONGA CA 91730	
Phone Number: 909 980 6455	

Reporting Requirements
- [x] Standard Report [ ] Level III [ ] Level IV
- [ ] Excel EDD [ ] Other EDD:
- [ ] CA Geotracker Global ID:

Turnaround Time
- [x] **Standard** (7 days for preliminary report, 10 days for final report)
- [ ] **Rush** (specify):

Sampler Information
Sampler(s): C. WHITE
Signature:
Date: 10/15/24

Sample Receipt (Lab Use Only)

Date Rec'd: 10/17	Control #: 240555.03
H&P Project #	SLM101724-1D
Lab Work Order #	E410055
Sample Intact: [x] Yes [ ] No [ ] See Notes Below	
Receipt Gauge ID: 60206	Temp: RT
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials: SM	

Additional Instructions to Laboratory:

* *Preferred VOC units (please choose one):*
[ ] µg/L [x] µg/m³ [ ] ppbv [ ] ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [ ] 8260SV [ ] TO-15	VOCs Short List/Project List [x] 8260SV [x] TO-15 Std	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15	TPHv as Gas [ ] 8260SV/m [ ] TO-15m	Aromatic/Aliphatic Fractions [ ] 8260SV/m [ ] TO-15m	Leak Check Compound [x] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2			
Sv1-5		10/15/24	1309	Sv	400	261	-5		✓					✓					
Sv1-15			1252			264	-4		✓					✓					
Sv2-5			1325			253	-6		✓					✓					
Sv2-MW-5 REP			1327			148	-6		✓					✓					
Sv2-15			1325			104	-5		✓					✓					
Sv4-5			1345			241	-6		✓					✓					
Sv4-15			1345			244	-5		✓					✓					
Sv3-5			1402			126	-5		✓					✓					
Sv3-15			1402			230	-6		✓					✓					
Sv5-5			1418			233	-5		✓					✓					

Approved/Relinquished by:	Company: Salem	Date: 10/15/24	Time: 1430	Received by: C. WHITE	Company: H&P	Date: 10/15/24	Time: 1430
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

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VAPOR / AIR Chain of Custody

DATE: 10/15/24

Lab Client and Project Information

Lab Client/Consultant: SALEM	Project Name / #: 3-424-0858
Lab Client Project Manager: JIM ROBERT	Project Location: 12090 WHITTIER BLVD
Lab Client Address: 8711 MONROE CT SUITE A	Report E-Mail(s): JIM@SALEM.NET
Lab Client City, State, Zip: RANCHO CUCAMONGA CA 91730	
Phone Number: 909 980 6455	

Sample Receipt (Lab Use Only)

Date Rec'd: 10/17	Control #: 240555.03
H&P Project # SLM101724-10	
Lab Work Order # E410055	
Sample Intact: ☒ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID: 60206	Temp: RT
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials: SM	

Reporting Requirements

☒ Standard Report ☐ Level III ☐ Level IV
☐ Excel EDD ☐ Other EDD: _____
☐ CA Geotracker Global ID: _____

Turnaround Time

☒ **Standard** (7 days for preliminary report, 10 days for final report)
☐ **Rush** (specify): _____

Sampler Information

Sampler(s): C. WHITE
Signature: C. White
Date: 10/15/24

Additional Instructions to Laboratory:

* *Preferred VOC units (please choose one):*
☐ µg/L ☒ µg/m³ ☐ ppbv ☐ ppmv

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☐ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☒ TO-15 Std	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2
SV5-15		10/15/24	1418	SV	400	220	-4		/					/		

Approved/Relinquished by:	Company: Salem	Date: 10/15/24	Time: 1430	Received by: C. WHITE	Company: H&P	Date: 10/15/24	Time: 1430
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:

*Approval constitutes as authorization to proceed with analysis and acceptance of conditions on back

H&P Mobile Geochemistry Inc.

Log Sheet: Soil Vapor Sampling with Summa

H&P Project #: SLM101524-SP10/TECH
Date: 10/15/24
Site Address: 12090 WHITTIER BLVD
Page: 1 of 1
Consultant: SALEM
H&P Rep(s): C. WHITE
Reviewed: EC
Consultant Rep(s): JIM
J. ARELLANO
Scanned:

Equipment Info
Inline Gauge ID#: -
Pump ID#: 039, 010

Purge Volume Information
PV Amount: 3pv
PV Includes: ☑ Tubing ☑ Sand 40% ☑ Dry Bent 50%

Leak Check Compound
A cloth saturated with LCC is placed around tubing connections and probe seal. This is done for all samples unless otherwise noted.
☑ 1,1-DFA ☐ 1,1,1,2-TFA ☐ IPA ☐ Other:

	Sample and Summa Information							Probe Specs							Purge & Collection Information						
	Point ID	Summa ID #	Sample Kit ID #	Start Time	Initial Vac (" Hg)	End / Sample Time	End Vac (" Hg)	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☑ H_2O
1	Sv1-5	261	278	1250	-28	1309	-5	5	7	1/8	12	2.25	12	2.25	✓	✓	2131	200	10:39	200	0
2	-15	264	060	1250	-27	1252	-4	15	17	1/8	12	2.25	6	2.25	✓	✓	1573	200	7:52	200	0
(3)	-5REP	-	-	-	-	-	-	5	7	1/8	12	2.25	12	2.25	✓	✓	2531	-	-	200	-
4	Sv2-5	253	195	1323	-27	1325	-5	5	7	1/8	12	2.25	12	2.25	✓	✓	2131	200	10:39	200	-5
5	-5 REP	148	195	1325	-28	1327	-5	5	7	1/8	12	2.25	12	2.25	✓	✓	2531	-	-	200	-
6	-15	104	287	1323	-30+	1325	-5	15	17	1/8	12	2.25	6	2.25	✓	✓	1573	200	7:52	200	-25
7	Sv4-5	241	370	1343	-27	1345	-5	5	7	1/8	12	2.25	12	2.25	✓	✓	2131	200	10:39	200	0
8	-15	244	333	1343	-28	1345	-5	15	17	1/8	12	2.25	6	2.25	✓	✓	1573	200	7:52	200	-5
9	Sv3-5	126	257	1400	-28	1402	-5	5	7	1/8	12	2.25	12	2.25	✓	✓	2131	200	10:39	200	0
10	-15	230	339	1400	-29	1402	-5	15	17	1/8	12	2.25	6	2.25	✓	✓	1573	200	7:52	200	0
11	Sv5-5	233	252	1416	-29	1418	-5	5	7	1/8	12	2.25	12	2.25	✓	✓	2131	200	10:39	200	0
12	-15	220	230	1416	-30+	1418	-5	15	17	1/8	12	2.25	6	2.25	✓	✓	1573	200	7:52	200	0

Site Notes such as weather, visitors, scope deviations, health & safety issues, etc. (When making sample specific notes, reference the line number above):
(3) REP LOCATION MOVED

SIERRA ANALYTICAL

23 October 2024

Jim Robert
SALEM Engineering Group - SC
401 Ave Del Mar, Unit C3
San Clemente, CA 92672

RE:3-424-0858

Work Order No.: 2410298

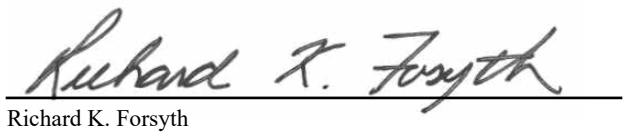
Attached are the results of the analyses for samples received by the laboratory on 10/15/24 15:35.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report.
If you require any additional retaining time, please advise us.

Sincerely,



Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS),
Environmental Laboratory Accredidation Program (ELAP) No. 2320.

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-1@1'	2410298-01	Soil	10/15/24 08:30	10/15/24 15:35
SV-1@5'	2410298-02	Soil	10/15/24 08:32	10/15/24 15:35
SV-1@15'	2410298-04	Soil	10/15/24 08:42	10/15/24 15:35
B-1@1'	2410298-05	Soil	10/15/24 09:00	10/15/24 15:35
B-1@5'	2410298-06	Soil	10/15/24 09:03	10/15/24 15:35
SV-2@1'	2410298-07	Soil	10/15/24 09:14	10/15/24 15:35
SV-2@5'	2410298-08	Soil	10/15/24 09:16	10/15/24 15:35
SV-2@15'	2410298-10	Soil	10/15/24 09:20	10/15/24 15:35
B-2@1'	2410298-11	Soil	10/15/24 09:36	10/15/24 15:35
B-2@5'	2410298-12	Soil	10/15/24 09:38	10/15/24 15:35
B-3@1'	2410298-13	Soil	10/15/24 09:54	10/15/24 15:35
B-3@5'	2410298-14	Soil	10/15/24 09:57	10/15/24 15:35
B-4@1'	2410298-15	Soil	10/15/24 10:05	10/15/24 15:35
B-4@5'	2410298-16	Soil	10/15/24 10:07	10/15/24 15:35
SV-3@1'	2410298-17	Soil	10/15/24 10:15	10/15/24 15:35
SV-3@5'	2410298-18	Soil	10/15/24 10:17	10/15/24 15:35
SV-3@15'	2410298-20	Soil	10/15/24 10:28	10/15/24 15:35
SV-4@1'	2410298-21	Soil	10/15/24 10:45	10/15/24 15:35
SV-4@5'	2410298-22	Soil	10/15/24 10:47	10/15/24 15:35
SV-4@15'	2410298-24	Soil	10/15/24 10:55	10/15/24 15:35
SS-1	2410298-25	Soil	10/15/24 11:00	10/15/24 15:35
SS-2	2410298-26	Soil	10/15/24 11:03	10/15/24 15:35
SS-3	2410298-27	Soil	10/15/24 11:05	10/15/24 15:35
SV-5@1'	2410298-28	Soil	10/15/24 11:05	10/15/24 15:35
SV-5@5'	2410298-29	Soil	10/15/24 11:08	10/15/24 15:35
SV-5@15'	2410298-30	Soil	10/15/24 11:12	10/15/24 15:35

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

26052 MERIT CIRCLE SUITE 104, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-1@1' (2410298-01) Soil Sampled: 10/15/24 08:30 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**130**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	**3.4**	1.0	"	"	"	"	"	"	
Cobalt	**5.9**	1.0	"	"	"	"	"	"	
Chromium	**19**	2.0	"	"	"	"	"	"	
Copper	**44**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**3.7**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**31**	1.0	"	"	"	"	"	"	
Lead	**140**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**17**	2.0	"	"	"	"	"	"	
Zinc	**180**	2.0	"	"	"	"	"	"	
SV-1@5' (2410298-02) Soil Sampled: 10/15/24 08:32 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**130**	2.0	"	"	"	"	"	"	
Beryllium	**1.4**	1.0	"	"	"	"	"	"	
Cadmium	**1.9**	1.0	"	"	"	"	"	"	
Cobalt	**7.5**	1.0	"	"	"	"	"	"	
Chromium	**12**	2.0	"	"	"	"	"	"	
Copper	**16**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**4.2**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**16**	1.0	"	"	"	"	"	"	
Lead	**6.3**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**24**	2.0	"	"	"	"	"	"	
Zinc	**35**	2.0	"	"	"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-1@15' (2410298-04) Soil Sampled: 10/15/24 08:42 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**74**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**3.8**	1.0	"	"	"	"	"	"	
Chromium	**7.2**	2.0	"	"	"	"	"	"	
Copper	**10**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**1.4**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**9.1**	1.0	"	"	"	"	"	"	
Lead	**1.4**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**16**	2.0	"	"	"	"	"	"	
Zinc	**19**	2.0	"	"	"	"	"	"	
B-1@1' (2410298-05) Soil Sampled: 10/15/24 09:00 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**120**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	**2.1**	1.0	"	"	"	"	"	"	
Cobalt	**4.8**	1.0	"	"	"	"	"	"	
Chromium	**9.6**	2.0	"	"	"	"	"	"	
Copper	**39**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**1.7**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**13**	1.0	"	"	"	"	"	"	
Lead	**2600**	1.0	"	"	"	"	"	"	
Antimony	**10**	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**17**	2.0	"	"	"	"	"	"	
Zinc	**140**	2.0	"	"	"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-1@5' (2410298-06) Soil Sampled: 10/15/24 09:03 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**130**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**5.5**	1.0	"	"	"	"	"	"	
Chromium	**12**	2.0	"	"	"	"	"	"	
Copper	**15**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**3.9**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**14**	1.0	"	"	"	"	"	"	
Lead	**57**	1.0	"	"	"	"	"	"	
Antimony	**2.3**	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**25**	2.0	"	"	"	"	"	"	
Zinc	**31**	2.0	"	"	"	"	"	"	
SV-2@1' (2410298-07) Soil Sampled: 10/15/24 09:14 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**66**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**2.7**	1.0	"	"	"	"	"	"	
Chromium	**4.3**	2.0	"	"	"	"	"	"	
Copper	**18**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	ND	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**7.7**	1.0	"	"	"	"	"	"	
Lead	**89**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**7.0**	2.0	"	"	"	"	"	"	
Zinc	**120**	2.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-2@5' (2410298-08) Soil Sampled: 10/15/24 09:16 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	**7.3**	2.0	"	"	"	"	"	"	
Barium	**120**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**5.6**	1.0	"	"	"	"	"	"	
Chromium	**12**	2.0	"	"	"	"	"	"	
Copper	**16**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**1.6**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**15**	1.0	"	"	"	"	"	"	
Lead	**8.7**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**26**	2.0	"	"	"	"	"	"	
Zinc	**35**	2.0	"	"	"	"	"	"	
SV-2@15' (2410298-10) Soil Sampled: 10/15/24 09:20 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**75**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**4.0**	1.0	"	"	"	"	"	"	
Chromium	**8.2**	2.0	"	"	"	"	"	"	
Copper	**11**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**1.4**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**10**	1.0	"	"	"	"	"	"	
Lead	**1.7**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**17**	2.0	"	"	"	"	"	"	
Zinc	**21**	2.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2@1' (2410298-11) Soil Sampled: 10/15/24 09:36 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**120**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**4.8**	1.0	"	"	"	"	"	"	
Chromium	**4.9**	2.0	"	"	"	"	"	"	
Copper	**13**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	ND	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**4.5**	1.0	"	"	"	"	"	"	
Lead	**6.0**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**15**	2.0	"	"	"	"	"	"	
Zinc	**28**	2.0	"	"	"	"	"	"	
B-2@5' (2410298-12) Soil Sampled: 10/15/24 09:38 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	**2.6**	2.0	"	"	"	"	"	"	
Barium	**220**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**2.8**	1.0	"	"	"	"	"	"	
Chromium	**8.5**	2.0	"	"	"	"	"	"	
Copper	**18**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**2.4**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**7.5**	1.0	"	"	"	"	"	"	
Lead	**290**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**11**	2.0	"	"	"	"	"	"	
Zinc	**71**	2.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3@1' (2410298-13) Soil Sampled: 10/15/24 09:54 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**87**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**5.7**	1.0	"	"	"	"	"	"	
Chromium	**9.6**	2.0	"	"	"	"	"	"	
Copper	**12**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**1.6**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**12**	1.0	"	"	"	"	"	"	
Lead	**18**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**19**	2.0	"	"	"	"	"	"	
Zinc	**31**	2.0	"	"	"	"	"	"	
B-3@5' (2410298-14) Soil Sampled: 10/15/24 09:57 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	**27**	2.0	"	"	"	"	"	"	
Barium	**170**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	**1.6**	1.0	"	"	"	"	"	"	
Cobalt	**9.7**	1.0	"	"	"	"	"	"	
Chromium	**20**	2.0	"	"	"	"	"	"	
Copper	**28**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**4.0**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**26**	1.0	"	"	"	"	"	"	
Lead	**28**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**42**	2.0	"	"	"	"	"	"	
Zinc	**84**	2.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-4@1' (2410298-15) Soil Sampled: 10/15/24 10:05 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	**14**	2.0	"	"	"	"	"	"	
Barium	**110**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**5.7**	1.0	"	"	"	"	"	"	
Chromium	**10**	2.0	"	"	"	"	"	"	
Copper	**13**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**1.6**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**13**	1.0	"	"	"	"	"	"	
Lead	**12**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**22**	2.0	"	"	"	"	"	"	
Zinc	**39**	2.0	"	"	"	"	"	"	
B-4@5' (2410298-16) Soil Sampled: 10/15/24 10:07 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	**21**	2.0	"	"	"	"	"	"	
Barium	**110**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**5.2**	1.0	"	"	"	"	"	"	
Chromium	**10**	2.0	"	"	"	"	"	"	
Copper	**14**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**1.8**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**13**	1.0	"	"	"	"	"	"	
Lead	**4.2**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**22**	2.0	"	"	"	"	"	"	
Zinc	**31**	2.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-3@1' (2410298-17) Soil Sampled: 10/15/24 10:15 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	**22**	2.0	"	"	"	"	"	"	
Barium	**130**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	**1.7**	1.0	"	"	"	"	"	"	
Cobalt	**6.0**	1.0	"	"	"	"	"	"	
Chromium	**13**	2.0	"	"	"	"	"	"	
Copper	**17**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**3.2**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**17**	1.0	"	"	"	"	"	"	
Lead	**7.3**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**29**	2.0	"	"	"	"	"	"	
Zinc	**40**	2.0	"	"	"	"	"	"	
SV-3@5' (2410298-18) Soil Sampled: 10/15/24 10:17 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**140**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**7.5**	1.0	"	"	"	"	"	"	
Chromium	**14**	2.0	"	"	"	"	"	"	
Copper	**16**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**1.6**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**16**	1.0	"	"	"	"	"	"	
Lead	**7.0**	1.0	"	"	"	"	"	"	
Antimony	**2.0**	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**31**	2.0	"	"	"	"	"	"	
Zinc	**34**	2.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-3@15' (2410298-20) Soil Sampled: 10/15/24 10:28 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**160**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**7.6**	1.0	"	"	"	"	"	"	
Chromium	**15**	2.0	"	"	"	"	"	"	
Copper	**19**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**2.0**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**19**	1.0	"	"	"	"	"	"	
Lead	**3.0**	1.0	"	"	"	"	"	"	
Antimony	**2.4**	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**33**	2.0	"	"	"	"	"	"	
Zinc	**40**	2.0	"	"	"	"	"	"	
SV-4@1' (2410298-21) Soil Sampled: 10/15/24 10:45 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**160**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**7.7**	1.0	"	"	"	"	"	"	
Chromium	**15**	2.0	"	"	"	"	"	"	
Copper	**22**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	ND	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**14**	1.0	"	"	"	"	"	"	
Lead	**21**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**30**	2.0	"	"	"	"	"	"	
Zinc	**65**	2.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-4@5' (2410298-22) Soil Sampled: 10/15/24 10:47 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	**7.3**	2.0	"	"	"	"	"	"	
Barium	**74**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**3.3**	1.0	"	"	"	"	"	"	
Chromium	**6.6**	2.0	"	"	"	"	"	"	
Copper	**10**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**1.4**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**8.7**	1.0	"	"	"	"	"	"	
Lead	**1.5**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**13**	2.0	"	"	"	"	"	"	
Zinc	**19**	2.0	"	"	"	"	"	"	
SV-4@15' (2410298-24) Soil Sampled: 10/15/24 10:55 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**140**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**6.4**	1.0	"	"	"	"	"	"	
Chromium	**13**	2.0	"	"	"	"	"	"	
Copper	**16**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1510	10/15/24	10/16/24 18:22	EPA 7471A	
Molybdenum	**2.3**	1.0	"	"	B4J1511	10/15/24	10/17/24 14:08	EPA 6010B	
Nickel	**16**	1.0	"	"	"	"	"	"	
Lead	**2.4**	1.0	"	"	"	"	"	"	
Antimony	**2.0**	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**27**	2.0	"	"	"	"	"	"	
Zinc	**34**	2.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-1 (2410298-25) Soil Sampled: 10/15/24 11:00 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1616	10/16/24	10/16/24 19:54	EPA 6010B	
Arsenic	**2.6**	2.0	"	"	"	"	"	"	
Barium	**120**	2.0	"	"	"	"	"	"	
Beryllium	**1.8**	1.0	"	"	"	"	"	"	
Cadmium	**4.7**	1.0	"	"	"	"	"	"	
Cobalt	**6.6**	1.0	"	"	"	"	"	"	
Chromium	**13**	2.0	"	"	"	"	"	"	
Copper	**30**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1614	10/16/24	10/16/24 18:25	EPA 7471A	
Molybdenum	**3.9**	1.0	"	"	B4J1616	10/16/24	10/16/24 19:54	EPA 6010B	
Nickel	**24**	1.0	"	"	"	"	"	"	
Lead	**94**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**19**	2.0	"	"	"	"	"	"	
Zinc	**240**	2.0	"	"	"	"	"	"	
SS-2 (2410298-26) Soil Sampled: 10/15/24 11:03 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1616	10/16/24	10/16/24 19:54	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**85**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	**2.9**	1.0	"	"	"	"	"	"	
Cobalt	**4.0**	1.0	"	"	"	"	"	"	
Chromium	**9.0**	2.0	"	"	"	"	"	"	
Copper	**24**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1614	10/16/24	10/16/24 18:25	EPA 7471A	
Molybdenum	**1.7**	1.0	"	"	B4J1616	10/16/24	10/16/24 19:54	EPA 6010B	
Nickel	**16**	1.0	"	"	"	"	"	"	
Lead	**310**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**15**	2.0	"	"	"	"	"	"	
Zinc	**120**	2.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-3 (2410298-27) Soil Sampled: 10/15/24 11:05 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1616	10/16/24	10/16/24 19:54	EPA 6010B	
Arsenic	**17**	2.0	"	"	"	"	"	"	
Barium	**190**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	**4.8**	1.0	"	"	"	"	"	"	
Cobalt	**8.4**	1.0	"	"	"	"	"	"	
Chromium	**18**	2.0	"	"	"	"	"	"	
Copper	**49**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1614	10/16/24	10/16/24 18:25	EPA 7471A	
Molybdenum	**3.0**	1.0	"	"	B4J1616	10/16/24	10/16/24 19:54	EPA 6010B	
Nickel	**29**	1.0	"	"	"	"	"	"	
Lead	**35**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**36**	2.0	"	"	"	"	"	"	
Zinc	**200**	2.0	"	"	"	"	"	"	
SV-5@1' (2410298-28) Soil Sampled: 10/15/24 11:05 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1616	10/16/24	10/16/24 19:54	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**65**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**3.1**	1.0	"	"	"	"	"	"	
Chromium	**6.9**	2.0	"	"	"	"	"	"	
Copper	**11**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1614	10/16/24	10/16/24 18:25	EPA 7471A	
Molybdenum	**1.5**	1.0	"	"	B4J1616	10/16/24	10/16/24 19:54	EPA 6010B	
Nickel	**8.2**	1.0	"	"	"	"	"	"	
Lead	**4.3**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**15**	2.0	"	"	"	"	"	"	
Zinc	**23**	2.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-5@5' (2410298-29) Soil Sampled: 10/15/24 11:08 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1616	10/16/24	10/16/24 19:54	EPA 6010B	
Arsenic	**77**	2.0	"	"	"	"	"	"	
Barium	**150**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	**1.2**	1.0	"	"	"	"	"	"	
Cobalt	**8.2**	1.0	"	"	"	"	"	"	
Chromium	**18**	2.0	"	"	"	"	"	"	
Copper	**24**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1614	10/16/24	10/16/24 18:25	EPA 7471A	
Molybdenum	**3.4**	1.0	"	"	B4J1616	10/16/24	10/16/24 19:54	EPA 6010B	
Nickel	**23**	1.0	"	"	"	"	"	"	
Lead	**17**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**39**	2.0	"	"	"	"	"	"	
Zinc	**64**	2.0	"	"	"	"	"	"	
SV-5@15' (2410298-30) Soil Sampled: 10/15/24 11:12 Received: 10/15/24 15:35									
Silver	ND	2.0	mg/kg	1	B4J1616	10/16/24	10/16/24 19:54	EPA 6010B	
Arsenic	ND	2.0	"	"	"	"	"	"	
Barium	**81**	2.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Cobalt	**4.8**	1.0	"	"	"	"	"	"	
Chromium	**9.4**	2.0	"	"	"	"	"	"	
Copper	**13**	1.0	"	"	"	"	"	"	
Mercury	ND	0.20	"	"	B4J1614	10/16/24	10/16/24 18:25	EPA 7471A	
Molybdenum	**1.7**	1.0	"	"	B4J1616	10/16/24	10/16/24 19:54	EPA 6010B	
Nickel	**11**	1.0	"	"	"	"	"	"	
Lead	**2.3**	1.0	"	"	"	"	"	"	
Antimony	ND	2.0	"	"	"	"	"	"	
Selenium	ND	4.0	"	"	"	"	"	"	
Thallium	ND	4.0	"	"	"	"	"	"	
Vanadium	**20**	2.0	"	"	"	"	"	"	
Zinc	**27**	2.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Total Volatile Petroleum Hydrocarbons (TVPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-1@1' (2410298-01) Soil Sampled: 10/15/24 08:30 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1607	10/16/24	10/16/24 14:39	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*72.3 %*	*35-130*		"	"	"	"	
SV-1@5' (2410298-02) Soil Sampled: 10/15/24 08:32 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1607	10/16/24	10/16/24 14:39	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*72.1 %*	*35-130*		"	"	"	"	
SV-1@15' (2410298-04) Soil Sampled: 10/15/24 08:42 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1607	10/16/24	10/16/24 14:39	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*73.2 %*	*35-130*		"	"	"	"	
B-1@1' (2410298-05) Soil Sampled: 10/15/24 09:00 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1607	10/16/24	10/16/24 14:39	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*69.3 %*	*35-130*		"	"	"	"	
B-1@5' (2410298-06) Soil Sampled: 10/15/24 09:03 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1607	10/16/24	10/16/24 14:39	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*74.2 %*	*35-130*		"	"	"	"	
SV-2@1' (2410298-07) Soil Sampled: 10/15/24 09:14 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1607	10/16/24	10/16/24 14:39	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*70.2 %*	*35-130*		"	"	"	"	
SV-2@5' (2410298-08) Soil Sampled: 10/15/24 09:16 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1607	10/16/24	10/16/24 14:39	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*74.2 %*	*35-130*		"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Total Volatile Petroleum Hydrocarbons (TVPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-2@15' (2410298-10) Soil Sampled: 10/15/24 09:20 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1607	10/16/24	10/16/24 14:39	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*74.5 %*	*35-130*		"	"	"	"	
B-2@1' (2410298-11) Soil Sampled: 10/15/24 09:36 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1607	10/16/24	10/16/24 14:39	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*71.0 %*	*35-130*		"	"	"	"	
B-2@5' (2410298-12) Soil Sampled: 10/15/24 09:38 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1607	10/16/24	10/16/24 14:39	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*73.6 %*	*35-130*		"	"	"	"	
B-3@1' (2410298-13) Soil Sampled: 10/15/24 09:54 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1607	10/16/24	10/16/24 14:39	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*73.1 %*	*35-130*		"	"	"	"	
B-3@5' (2410298-14) Soil Sampled: 10/15/24 09:57 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1607	10/16/24	10/16/24 14:39	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*74.5 %*	*35-130*		"	"	"	"	
B-4@1' (2410298-15) Soil Sampled: 10/15/24 10:05 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1607	10/16/24	10/16/24 14:39	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*72.7 %*	*35-130*		"	"	"	"	
B-4@5' (2410298-16) Soil Sampled: 10/15/24 10:07 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1607	10/16/24	10/16/24 14:39	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*77.2 %*	*35-130*		"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Total Volatile Petroleum Hydrocarbons (TVPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-3@1' (2410298-17) Soil Sampled: 10/15/24 10:15 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1607	10/16/24	10/16/24 14:39	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*71.1 %*	*35-130*		"	"	"	"	
SV-3@5' (2410298-18) Soil Sampled: 10/15/24 10:17 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1702	10/17/24	10/17/24 12:33	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*68.3 %*	*35-130*		"	"	"	"	
SV-3@15' (2410298-20) Soil Sampled: 10/15/24 10:28 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1702	10/17/24	10/17/24 12:33	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*70.3 %*	*35-130*		"	"	"	"	
SV-4@1' (2410298-21) Soil Sampled: 10/15/24 10:45 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1702	10/17/24	10/17/24 12:33	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*68.6 %*	*35-130*		"	"	"	"	
SV-4@5' (2410298-22) Soil Sampled: 10/15/24 10:47 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1702	10/17/24	10/17/24 12:33	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*70.5 %*	*35-130*		"	"	"	"	
SV-4@15' (2410298-24) Soil Sampled: 10/15/24 10:55 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1702	10/17/24	10/17/24 12:33	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*73.0 %*	*35-130*		"	"	"	"	
SS-1 (2410298-25) Soil Sampled: 10/15/24 11:00 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1702	10/17/24	10/17/24 12:33	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*43.6 %*	*35-130*		"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Total Volatile Petroleum Hydrocarbons (TVPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-2 (2410298-26) Soil Sampled: 10/15/24 11:03 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1702	10/17/24	10/17/24 12:33	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*69.6 %*		*35-130*		"	"	"	"
SS-3 (2410298-27) Soil Sampled: 10/15/24 11:05 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1702	10/17/24	10/17/24 12:33	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*70.7 %*		*35-130*		"	"	"	"
SV-5@1' (2410298-28) Soil Sampled: 10/15/24 11:05 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1702	10/17/24	10/17/24 12:33	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*71.8 %*		*35-130*		"	"	"	"
SV-5@5' (2410298-29) Soil Sampled: 10/15/24 11:08 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1702	10/17/24	10/17/24 12:33	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*73.5 %*		*35-130*		"	"	"	"
SV-5@15' (2410298-30) Soil Sampled: 10/15/24 11:12 Received: 10/15/24 15:35									
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg	1	B4J1702	10/17/24	10/17/24 12:33	EPA 8015B	
Surrogate: a,a,a-Trifluorotoluene		*72.0 %*		*35-130*		"	"	"	"

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-1@1' (2410298-01) Soil Sampled: 10/15/24 08:30 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**36**	5.0	mg/kg	1	B4J1701	10/17/24	10/17/24 10:15	EPA 8015B	
Surrogate: o-Terphenyl		*118 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**110**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*118 %*	*60-175*		"	"	"	"	
SV-1@5' (2410298-02) Soil Sampled: 10/15/24 08:32 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**13**	5.0	mg/kg	1	B4J1701	10/17/24	10/17/24 10:15	EPA 8015B	
Surrogate: o-Terphenyl		*117 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**51**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*117 %*	*60-175*		"	"	"	"	
SV-1@15' (2410298-04) Soil Sampled: 10/15/24 08:42 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg	1	B4J1701	10/17/24	10/17/24 10:15	EPA 8015B	
Surrogate: o-Terphenyl		*91.5 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**31**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*91.5 %*	*60-175*		"	"	"	"	
B-1@1' (2410298-05) Soil Sampled: 10/15/24 09:00 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**24**	5.0	mg/kg	1	B4J1701	10/17/24	10/17/24 10:15	EPA 8015B	
Surrogate: o-Terphenyl		*117 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**41**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*117 %*	*60-175*		"	"	"	"	
B-1@5' (2410298-06) Soil Sampled: 10/15/24 09:03 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg	1	B4J1701	10/17/24	10/17/24 10:15	EPA 8015B	
Surrogate: o-Terphenyl		*68.5 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**27**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*68.5 %*	*60-175*		"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-2@1' (2410298-07) Soil Sampled: 10/15/24 09:14 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**150**	5.0	mg/kg	1	B4J1701	10/17/24	10/17/24 10:15	EPA 8015B	
Surrogate: o-Terphenyl		*255 %*	*60-175*		"	"	"	"	*S-0*
Oil Range Organics (C22-C36)	**260**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*255 %*	*60-175*		"	"	"	"	*S-0*
SV-2@5' (2410298-08) Soil Sampled: 10/15/24 09:16 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**9.1**	5.0	mg/kg	1	B4J1701	10/17/24	10/17/24 10:15	EPA 8015B	
Surrogate: o-Terphenyl		*142 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**42**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*142 %*	*60-175*		"	"	"	"	
SV-2@15' (2410298-10) Soil Sampled: 10/15/24 09:20 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg	1	B4J1701	10/17/24	10/17/24 10:15	EPA 8015B	
Surrogate: o-Terphenyl		*81.5 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**12**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*81.5 %*	*60-175*		"	"	"	"	
B-2@1' (2410298-11) Soil Sampled: 10/15/24 09:36 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**520**	50	mg/kg	10	B4J1701	10/17/24	10/17/24 10:15	EPA 8015B	
Surrogate: o-Terphenyl		*%*	*60-175*		"	"	"	"	*S-0*
Oil Range Organics (C22-C36)	**1000**	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*60-175*		"	"	"	"	*S-0*
B-2@5' (2410298-12) Soil Sampled: 10/15/24 09:38 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**71**	5.0	mg/kg	1	B4J1701	10/17/24	10/17/24 10:15	EPA 8015B	
Surrogate: o-Terphenyl		*164 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**250**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*164 %*	*60-175*		"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3@1' (2410298-13) Soil Sampled: 10/15/24 09:54 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**820**	50	mg/kg	10	B4J1701	10/17/24	10/17/24 10:15	EPA 8015B	
Surrogate: o-Terphenyl		*%*	*60-175*		"	"	"	"	*S-0*
Oil Range Organics (C22-C36)	**1100**	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*60-175*		"	"	"	"	*S-0*
B-3@5' (2410298-14) Soil Sampled: 10/15/24 09:57 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**160**	5.0	mg/kg	1	B4J1701	10/17/24	10/17/24 10:15	EPA 8015B	
Surrogate: o-Terphenyl		*157 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**200**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*157 %*	*60-175*		"	"	"	"	
B-4@1' (2410298-15) Soil Sampled: 10/15/24 10:05 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**16**	5.0	mg/kg	1	B4J1701	10/17/24	10/17/24 10:15	EPA 8015B	
Surrogate: o-Terphenyl		*148 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**65**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*148 %*	*60-175*		"	"	"	"	
B-4@5' (2410298-16) Soil Sampled: 10/15/24 10:07 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**8.9**	5.0	mg/kg	1	B4J1701	10/17/24	10/17/24 10:15	EPA 8015B	
Surrogate: o-Terphenyl		*160 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**32**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*160 %*	*60-175*		"	"	"	"	
SV-3@1' (2410298-17) Soil Sampled: 10/15/24 10:15 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**740**	50	mg/kg	10	B4J1701	10/17/24	10/17/24 10:15	EPA 8015B	
Surrogate: o-Terphenyl		*%*	*60-175*		"	"	"	"	*S-0*
Oil Range Organics (C22-C36)	**1300**	50	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*%*	*60-175*		"	"	"	"	*S-0*

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-3@5' (2410298-18) Soil Sampled: 10/15/24 10:17 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg	1	B4J1803	10/18/24	10/18/24 10:57	EPA 8015B	
Surrogate: o-Terphenyl		*91.0 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*91.0 %*	*60-175*		"	"	"	"	
SV-3@15' (2410298-20) Soil Sampled: 10/15/24 10:28 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg	1	B4J1803	10/18/24	10/18/24 10:57	EPA 8015B	
Surrogate: o-Terphenyl		*117 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*117 %*	*60-175*		"	"	"	"	
SV-4@1' (2410298-21) Soil Sampled: 10/15/24 10:45 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**220**	5.0	mg/kg	1	B4J1803	10/18/24	10/18/24 10:57	EPA 8015B	
Surrogate: o-Terphenyl		*276 %*	*60-175*		"	"	"	"	*S-0*
Oil Range Organics (C22-C36)	**270**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*276 %*	*60-175*		"	"	"	"	*S-0*
SV-4@5' (2410298-22) Soil Sampled: 10/15/24 10:47 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg	1	B4J1803	10/18/24	10/18/24 10:57	EPA 8015B	
Surrogate: o-Terphenyl		*137 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*137 %*	*60-175*		"	"	"	"	
SV-4@15' (2410298-24) Soil Sampled: 10/15/24 10:55 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg	1	B4J1803	10/18/24	10/18/24 10:57	EPA 8015B	
Surrogate: o-Terphenyl		*80.5 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**7.6**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*80.5 %*	*60-175*		"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-1 (2410298-25) Soil Sampled: 10/15/24 11:00 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**150**	5.0	mg/kg	1	B4J1803	10/18/24	10/18/24 10:57	EPA 8015B	
Surrogate: o-Terphenyl		*131 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**380**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*131 %*	*60-175*		"	"	"	"	
SS-2 (2410298-26) Soil Sampled: 10/15/24 11:03 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**110**	5.0	mg/kg	1	B4J1803	10/18/24	10/18/24 10:57	EPA 8015B	
Surrogate: o-Terphenyl		*150 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**270**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*150 %*	*60-175*		"	"	"	"	
SS-3 (2410298-27) Soil Sampled: 10/15/24 11:05 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**140**	5.0	mg/kg	1	B4J1803	10/18/24	10/18/24 10:57	EPA 8015B	
Surrogate: o-Terphenyl		*268 %*	*60-175*		"	"	"	"	*S-0*
Oil Range Organics (C22-C36)	**250**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*268 %*	*60-175*		"	"	"	"	*S-0*
SV-5@1' (2410298-28) Soil Sampled: 10/15/24 11:05 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**85**	5.0	mg/kg	1	B4J1803	10/18/24	10/18/24 10:57	EPA 8015B	
Surrogate: o-Terphenyl		*154 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**300**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*154 %*	*60-175*		"	"	"	"	
SV-5@5' (2410298-29) Soil Sampled: 10/15/24 11:08 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**16**	5.0	mg/kg	1	B4J1803	10/18/24	10/18/24 10:57	EPA 8015B	
Surrogate: o-Terphenyl		*119 %*	*60-175*		"	"	"	"	
Oil Range Organics (C22-C36)	**81**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*119 %*	*60-175*		"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Total Petroleum Hydrocarbons (TPH) by GC/FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-5@15' (2410298-30) Soil Sampled: 10/15/24 11:12 Received: 10/15/24 15:35									
Diesel Range Organics (C10-C24)	**29**	5.0	mg/kg	1	B4J1803	10/18/24	10/18/24 10:57	EPA 8015B	
Surrogate: o-Terphenyl		*200 %*	*60-175*		"	"	"	"	*S-0*
Oil Range Organics (C22-C36)	**29**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*200 %*	*60-175*		"	"	"	"	*S-0*

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Polychlorinated Biphenyls by EPA Method 8082

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-1@1' (2410298-01) Soil Sampled: 10/15/24 08:30 Received: 10/15/24 15:35									
PCB-1016	ND	0.050	mg/kg	1	B4J1722	10/17/24	10/17/24 14:48	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	ND	0.050	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*77.9 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*79.9 %*		*42-147*	"	"	"	"	
B-1@1' (2410298-05) Soil Sampled: 10/15/24 09:00 Received: 10/15/24 15:35									
PCB-1016	ND	0.050	mg/kg	1	B4J1722	10/17/24	10/17/24 14:48	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	ND	0.050	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*76.4 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*80.4 %*		*42-147*	"	"	"	"	
SV-2@1' (2410298-07) Soil Sampled: 10/15/24 09:14 Received: 10/15/24 15:35									
PCB-1016	ND	0.050	mg/kg	1	B4J1722	10/17/24	10/17/24 14:48	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	ND	0.050	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*74.8 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*85.0 %*		*42-147*	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Polychlorinated Biphenyls by EPA Method 8082

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2@1' (2410298-11) Soil Sampled: 10/15/24 09:36 Received: 10/15/24 15:35									
PCB-1016	ND	0.050	mg/kg	1	B4J1722	10/17/24	10/17/24 14:48	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	ND	0.050	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*65.7 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*68.9 %*		*42-147*	"	"	"	"	
B-3@1' (2410298-13) Soil Sampled: 10/15/24 09:54 Received: 10/15/24 15:35									
PCB-1016	ND	0.050	mg/kg	1	B4J1722	10/17/24	10/17/24 14:48	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	ND	0.050	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*61.9 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*51.7 %*		*42-147*	"	"	"	"	
B-4@1' (2410298-15) Soil Sampled: 10/15/24 10:05 Received: 10/15/24 15:35									
PCB-1016	ND	0.050	mg/kg	1	B4J1722	10/17/24	10/17/24 14:48	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	ND	0.050	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*49.9 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*113 %*		*42-147*	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Polychlorinated Biphenyls by EPA Method 8082

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-3@1' (2410298-17) Soil Sampled: 10/15/24 10:15 Received: 10/15/24 15:35									
PCB-1016	ND	0.050	mg/kg	1	B4J1722	10/17/24	10/17/24 14:48	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	ND	0.050	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*76.0 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*89.9 %*		*42-147*	"	"	"	"	
SV-4@1' (2410298-21) Soil Sampled: 10/15/24 10:45 Received: 10/15/24 15:35									
PCB-1016	ND	0.050	mg/kg	1	B4J1722	10/17/24	10/17/24 14:48	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	ND	0.050	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*50.1 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*106 %*		*42-147*	"	"	"	"	
SS-1 (2410298-25) Soil Sampled: 10/15/24 11:00 Received: 10/15/24 15:35									
PCB-1016	ND	0.050	mg/kg	1	B4J1722	10/17/24	10/17/24 14:48	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	ND	0.050	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*69.1 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*66.6 %*		*42-147*	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Polychlorinated Biphenyls by EPA Method 8082

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-2 (2410298-26) Soil Sampled: 10/15/24 11:03 Received: 10/15/24 15:35									
PCB-1016	ND	0.050	mg/kg	1	B4J1722	10/17/24	10/17/24 14:48	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	ND	0.050	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*42.9 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*102 %*		*42-147*	"	"	"	"	
SS-3 (2410298-27) Soil Sampled: 10/15/24 11:05 Received: 10/15/24 15:35									
PCB-1016	ND	0.050	mg/kg	1	B4J1722	10/17/24	10/17/24 14:48	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	ND	0.050	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*57.9 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*118 %*		*42-147*	"	"	"	"	
SV-5@1' (2410298-28) Soil Sampled: 10/15/24 11:05 Received: 10/15/24 15:35									
PCB-1016	ND	0.050	mg/kg	1	B4J1722	10/17/24	10/17/24 14:48	EPA 8082	
PCB-1221	ND	0.050	"	"	"	"	"	"	
PCB-1232	ND	0.050	"	"	"	"	"	"	
PCB-1242	ND	0.050	"	"	"	"	"	"	
PCB-1248	ND	0.050	"	"	"	"	"	"	
PCB-1254	ND	0.050	"	"	"	"	"	"	
PCB-1260	ND	0.050	"	"	"	"	"	"	
Surrogate: Decachlorobiphenyl		*60.3 %*		*42-147*	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*129 %*		*42-147*	"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-1@1' (2410298-01) Soil Sampled: 10/15/24 08:30 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-1@1' (2410298-01) Soil Sampled: 10/15/24 08:30 Received: 10/15/24 15:35									
1,1,2,2-Tetrachloroethane	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		"	"	"	"	
SV-1@5' (2410298-02) Soil Sampled: 10/15/24 08:32 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-1@5' (2410298-02) Soil Sampled: 10/15/24 08:32 Received: 10/15/24 15:35									
Dichlorodifluoromethane	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*115 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-1@15' (2410298-04) Soil Sampled: 10/15/24 08:42 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-1@15' (2410298-04) Soil Sampled: 10/15/24 08:42 Received: 10/15/24 15:35									
1,1,2,2-Tetrachloroethane	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*113 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		"	"	"	"	
B-1@1' (2410298-05) Soil Sampled: 10/15/24 09:00 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-1@1' (2410298-05) Soil Sampled: 10/15/24 09:00 Received: 10/15/24 15:35									
Dichlorodifluoromethane	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*117 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*		*80-120*	"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-1@5' (2410298-06) Soil Sampled: 10/15/24 09:03 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-1@5' (2410298-06) Soil Sampled: 10/15/24 09:03 Received: 10/15/24 15:35									
1,1,2,2-Tetrachloroethane	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*		*80-120*		"	"	"	
Surrogate: Toluene-d8		*96.1 %*		*80-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*		*80-120*		"	"	"	
SV-2@1' (2410298-07) Soil Sampled: 10/15/24 09:14 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-2@1' (2410298-07) Soil Sampled: 10/15/24 09:14 Received: 10/15/24 15:35									
Dichlorodifluoromethane	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*95.4 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-2@5' (2410298-08) Soil Sampled: 10/15/24 09:16 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-2@5' (2410298-08) Soil Sampled: 10/15/24 09:16 Received: 10/15/24 15:35									
1,1,2,2-Tetrachloroethane	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*114 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*96.1 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*		*80-120*	"	"	"	"	
SV-2@15' (2410298-10) Soil Sampled: 10/15/24 09:20 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-2@15' (2410298-10) Soil Sampled: 10/15/24 09:20 Received: 10/15/24 15:35									
Dichlorodifluoromethane	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*114 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*97.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2@1' (2410298-11) Soil Sampled: 10/15/24 09:36 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2@1' (2410298-11) Soil Sampled: 10/15/24 09:36 Received: 10/15/24 15:35									
1,1,2,2-Tetrachloroethane	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*97.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*112 %*	*80-120*		"	"	"	"	
B-2@5' (2410298-12) Soil Sampled: 10/15/24 09:38 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2@5' (2410298-12) Soil Sampled: 10/15/24 09:38 Received: 10/15/24 15:35									
Dichlorodifluoromethane	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*95.7 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3@1' (2410298-13) Soil Sampled: 10/15/24 09:54 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3@1' (2410298-13) Soil Sampled: 10/15/24 09:54 Received: 10/15/24 15:35									
1,1,2,2-Tetrachloroethane	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*97.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		"	"	"	"	
B-3@5' (2410298-14) Soil Sampled: 10/15/24 09:57 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3@5' (2410298-14) Soil Sampled: 10/15/24 09:57 Received: 10/15/24 15:35									
Dichlorodifluoromethane	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*94.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-4@1' (2410298-15) Soil Sampled: 10/15/24 10:05 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-4@1' (2410298-15) Soil Sampled: 10/15/24 10:05 Received: 10/15/24 15:35									
1,1,2,2-Tetrachloroethane	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*		*80-120*		"	"	"	
Surrogate: Toluene-d8		*96.1 %*		*80-120*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*		*80-120*		"	"	"	
B-4@5' (2410298-16) Soil Sampled: 10/15/24 10:07 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-4@5' (2410298-16) Soil Sampled: 10/15/24 10:07 Received: 10/15/24 15:35									
Dichlorodifluoromethane	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-3@1' (2410298-17) Soil Sampled: 10/15/24 10:15 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-3@1' (2410298-17) Soil Sampled: 10/15/24 10:15 Received: 10/15/24 15:35									
1,1,2,2-Tetrachloroethane	ND	5.0	µg/kg	1	B4J1609	10/16/24	10/17/24 08:30	EPA 8260B	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*%*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*%*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*%*	*80-120*		"	"	"	"	
SV-3@5' (2410298-18) Soil Sampled: 10/15/24 10:17 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-3@5' (2410298-18) Soil Sampled: 10/15/24 10:17 Received: 10/15/24 15:35									
Dichlorodifluoromethane	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*95.4 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-3@15' (2410298-20) Soil Sampled: 10/15/24 10:28 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-3@15' (2410298-20) Soil Sampled: 10/15/24 10:28 Received: 10/15/24 15:35									
1,1,2,2-Tetrachloroethane	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*114 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		"	"	"	"	
SV-4@1' (2410298-21) Soil Sampled: 10/15/24 10:45 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-4@1' (2410298-21) Soil Sampled: 10/15/24 10:45 Received: 10/15/24 15:35									
Dichlorodifluoromethane	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*117 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*80-120*		"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-4@5' (2410298-22) Soil Sampled: 10/15/24 10:47 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-4@5' (2410298-22) Soil Sampled: 10/15/24 10:47 Received: 10/15/24 15:35									
1,1,2,2-Tetrachloroethane	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		"	"	"	"	
SV-4@15' (2410298-24) Soil Sampled: 10/15/24 10:55 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-4@15' (2410298-24) Soil Sampled: 10/15/24 10:55 Received: 10/15/24 15:35									
Dichlorodifluoromethane	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*96.4 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-1 (2410298-25) Soil Sampled: 10/15/24 11:00 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-1 (2410298-25) Soil Sampled: 10/15/24 11:00 Received: 10/15/24 15:35									
1,1,2,2-Tetrachloroethane	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*	*80-120*		"	"	"	"	
SS-2 (2410298-26) Soil Sampled: 10/15/24 11:03 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-2 (2410298-26) Soil Sampled: 10/15/24 11:03 Received: 10/15/24 15:35									
Dichlorodifluoromethane	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*115 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-3 (2410298-27) Soil Sampled: 10/15/24 11:05 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-3 (2410298-27) Soil Sampled: 10/15/24 11:05 Received: 10/15/24 15:35									
1,1,2,2-Tetrachloroethane	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*118 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*109 %*	*80-120*		"	"	"	"	
SV-5@1' (2410298-28) Soil Sampled: 10/15/24 11:05 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-5@1' (2410298-28) Soil Sampled: 10/15/24 11:05 Received: 10/15/24 15:35									
Dichlorodifluoromethane	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*115 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*114 %*	*80-120*		"	"	"	"	

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

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-5@5' (2410298-29) Soil Sampled: 10/15/24 11:08 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-5@5' (2410298-29) Soil Sampled: 10/15/24 11:08 Received: 10/15/24 15:35									
1,1,2,2-Tetrachloroethane	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*116 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		"	"	"	"	
SV-5@15' (2410298-30) Soil Sampled: 10/15/24 11:12 Received: 10/15/24 15:35									
Benzene	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
Bromobenzene	ND	5.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon Tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chloroethylvinyl ether	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-5@15' (2410298-30) Soil Sampled: 10/15/24 11:12 Received: 10/15/24 15:35									
Dichlorodifluoromethane	ND	5.0	µg/kg	1	B4J1802	10/18/24	10/18/24 08:26	EPA 8260B	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
Vinyl Chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*117 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*108 %*	*80-120*		"	"	"	"	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J1510 - EPA 7471A										
Blank (B4J1510-BLK1)				Prepared: 10/15/24 Analyzed: 10/16/24						
Mercury	ND	0.20	mg/kg							
LCS (B4J1510-BS1)				Prepared: 10/15/24 Analyzed: 10/16/24						
Mercury	0.17	0.20	mg/kg	0.167		102	70-130			
Matrix Spike (B4J1510-MS1)	**Source: 2410298-01**			Prepared: 10/15/24 Analyzed: 10/16/24						
Mercury	0.22	0.20	mg/kg	0.162	0.05	106	70-130			
Matrix Spike Dup (B4J1510-MSD1)	**Source: 2410298-01**			Prepared: 10/15/24 Analyzed: 10/16/24						
Mercury	0.22	0.20	mg/kg	0.161	0.05	107	70-130	0.0505	30	
Batch B4J1511 - EPA 3050B										
Blank (B4J1511-BLK1)				Prepared: 10/15/24 Analyzed: 10/17/24						
Antimony	ND	2.0	mg/kg							
Arsenic	ND	2.0	"							
Barium	ND	2.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	1.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	1.0	"							
Copper	ND	1.0	"							
Lead	ND	1.0	"							
Molybdenum	ND	1.0	"							
Nickel	ND	1.0	"							
Selenium	ND	4.0	"							
Silver	ND	2.0	"							
Thallium	ND	4.0	"							
Vanadium	ND	2.0	"							
Zinc	ND	2.0	"							

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J1511 - EPA 3050B										
LCS (B4J1511-BS1)				Prepared: 10/15/24 Analyzed: 10/17/24						
Antimony	95.6	2.0	mg/kg	100		95.6	75-125			
Arsenic	94.7	2.0	"	100		94.7	78-122			
Barium	98.0	2.0	"	100		98.0	80-120			
Beryllium	93.0	1.0	"	100		93.0	80-120			
Cadmium	98.7	1.0	"	100		98.7	80-120			
Chromium	96.5	2.0	"	100		96.5	80-120			
Cobalt	110	1.0	"	100		110	80-120			
Copper	105	1.0	"	100		105	78-122			
Lead	101	1.0	"	100		101	80-120			
Molybdenum	95.0	1.0	"	100		95.0	80-120			
Nickel	111	1.0	"	100		111	80-120			
Selenium	92.0	4.0	"	100		92.0	76-124			
Silver	94.5	2.0	"	100		94.5	60-140			
Thallium	103	4.0	"	100		103	80-120			
Vanadium	92.2	2.0	"	100		92.2	80-120			
Zinc	93.3	2.0	"	100		93.3	80-120			
LCS Dup (B4J1511-BSD1)				Prepared: 10/15/24 Analyzed: 10/17/24						
Antimony	98.4	2.0	mg/kg	100		98.4	75-125	2.91	20	
Arsenic	96.7	2.0	"	100		96.7	78-122	2.09	20	
Barium	99.7	2.0	"	100		99.7	80-120	1.72	20	
Beryllium	95.9	1.0	"	100		95.9	80-120	3.04	20	
Cadmium	98.4	1.0	"	100		98.4	80-120	0.254	20	
Chromium	99.5	2.0	"	100		99.5	80-120	3.06	20	
Cobalt	111	1.0	"	100		111	80-120	0.997	20	
Copper	107	1.0	"	100		107	78-122	1.27	20	
Lead	103	1.0	"	100		103	80-120	2.31	20	
Molybdenum	97.5	1.0	"	100		97.5	80-120	2.60	20	
Nickel	110	1.0	"	100		110	80-120	0.452	20	
Selenium	91.0	4.0	"	100		91.0	76-124	1.17	20	
Silver	93.1	2.0	"	100		93.1	60-140	1.44	40	
Thallium	110	4.0	"	100		110	80-120	6.91	20	
Vanadium	93.8	2.0	"	100		93.8	80-120	1.77	20	
Zinc	95.6	2.0	"	100		95.6	80-120	2.43	20	

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

26052 MERIT CIRCLE SUITE 104, LAGUNA HILLS, CALIFORNIA 92653
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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J1511 - EPA 3050B										
Matrix Spike (B4J1511-MS1)	**Source: 2410298-01**			Prepared: 10/15/24 Analyzed: 10/17/24						
Antimony	91.5	2.0	mg/kg	99.1	ND	92.3	60-140			
Arsenic	86.7	2.0	"	99.1	ND	87.5	70-130			
Barium	243	2.0	"	99.1	127	117	70-130			
Beryllium	98.4	1.0	"	99.1	ND	99.3	70-130			
Cadmium	99.8	1.0	"	99.1	3.41	97.2	70-130			
Chromium	88.8	2.0	"	99.1	19.3	70.2	70-130			
Cobalt	82.0	1.0	"	99.1	5.88	76.8	70-130			
Copper	134	1.0	"	99.1	44.0	90.4	70-130			
Lead	225	1.0	"	99.1	139	86.5	70-130			
Molybdenum	98.0	1.0	"	99.1	3.69	95.2	70-130			
Nickel	118	1.0	"	99.1	30.5	88.5	70-130			
Selenium	90.3	4.0	"	99.1	ND	91.1	70-130			
Silver	97.1	2.0	"	99.1	ND	98.0	60-140			
Thallium	96.0	4.0	"	99.1	ND	96.8	75-125			
Vanadium	94.7	2.0	"	99.1	17.3	78.1	75-125			
Zinc	276	2.0	"	99.1	184	93.3	75-125			
Matrix Spike Dup (B4J1511-MSD1)	**Source: 2410298-01**			Prepared: 10/15/24 Analyzed: 10/17/24						
Antimony	90.7	2.0	mg/kg	98.6	ND	92.0	60-140	0.820	20	
Arsenic	86.7	2.0	"	98.6	ND	87.9	70-130	0.0188	20	
Barium	238	2.0	"	98.6	127	112	70-130	2.24	20	
Beryllium	96.0	1.0	"	98.6	ND	97.3	70-130	2.48	20	
Cadmium	97.8	1.0	"	98.6	3.41	95.7	70-130	2.00	20	
Chromium	90.8	2.0	"	98.6	19.3	72.6	70-130	2.26	20	
Cobalt	80.9	1.0	"	98.6	5.88	76.1	70-130	1.25	20	
Copper	130	1.0	"	98.6	44.0	87.1	70-130	2.82	30	
Lead	222	1.0	"	98.6	139	83.8	70-130	1.40	30	
Molybdenum	96.8	1.0	"	98.6	3.69	94.4	70-130	1.20	20	
Nickel	117	1.0	"	98.6	30.5	87.6	70-130	1.17	20	
Selenium	86.6	4.0	"	98.6	ND	87.8	70-130	4.15	20	
Silver	93.7	2.0	"	98.6	ND	95.0	60-140	3.58	40	
Thallium	91.8	4.0	"	98.6	ND	93.1	75-125	4.44	20	
Vanadium	91.8	2.0	"	98.6	17.3	75.5	75-125	3.20	20	
Zinc	274	2.0	"	98.6	184	91.4	75-125	0.854	20	

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26052 Merit Circle Suite 104, Laguna Hills, California 92653
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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J1614 - EPA 7471A										
Blank (B4J1614-BLK1)				Prepared & Analyzed: 10/16/24						
Mercury	ND	0.20	mg/kg							
LCS (B4J1614-BS1)				Prepared & Analyzed: 10/16/24						
Mercury	0.19	0.20	mg/kg	0.167		113	70-130			
Matrix Spike (B4J1614-MS1)		**Source: 2410298-25**		Prepared & Analyzed: 10/16/24						
Mercury	0.16	0.20	mg/kg	0.162	0.02	87.5	70-130			
Matrix Spike Dup (B4J1614-MSD1)		**Source: 2410298-25**		Prepared & Analyzed: 10/16/24						
Mercury	0.16	0.20	mg/kg	0.161	0.02	88.1	70-130	0.262	30	
Batch B4J1616 - EPA 3050B										
Blank (B4J1616-BLK1)				Prepared & Analyzed: 10/16/24						
Antimony	ND	2.0	mg/kg							
Arsenic	ND	2.0	"							
Barium	ND	2.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	1.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	1.0	"							
Copper	ND	1.0	"							
Lead	ND	1.0	"							
Molybdenum	ND	1.0	"							
Nickel	ND	1.0	"							
Selenium	ND	4.0	"							
Silver	ND	2.0	"							
Thallium	ND	4.0	"							
Vanadium	ND	2.0	"							
Zinc	ND	2.0	"							

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J1616 - EPA 3050B										
LCS (B4J1616-BS1)				Prepared & Analyzed: 10/16/24						
Antimony	99.3	2.0	mg/kg	100		99.3	75-125			
Arsenic	97.8	2.0	"	100		97.8	78-122			
Barium	99.9	2.0	"	100		99.9	80-120			
Beryllium	96.9	1.0	"	100		96.9	80-120			
Cadmium	99.8	1.0	"	100		99.8	80-120			
Chromium	103	2.0	"	100		103	80-120			
Cobalt	112	1.0	"	100		112	80-120			
Copper	105	1.0	"	100		105	78-122			
Lead	104	1.0	"	100		104	80-120			
Molybdenum	99.7	1.0	"	100		99.7	80-120			
Nickel	110	1.0	"	100		110	80-120			
Selenium	91.4	4.0	"	100		91.4	76-124			
Silver	94.5	2.0	"	100		94.5	60-140			
Thallium	110	4.0	"	100		110	80-120			
Vanadium	96.6	2.0	"	100		96.6	80-120			
Zinc	98.9	2.0	"	100		98.9	80-120			
LCS Dup (B4J1616-BSD1)				Prepared & Analyzed: 10/16/24						
Antimony	100	2.0	mg/kg	100		100	75-125	0.902	20	
Arsenic	96.8	2.0	"	100		96.8	78-122	0.976	20	
Barium	104	2.0	"	100		104	80-120	4.41	20	
Beryllium	99.1	1.0	"	100		99.1	80-120	2.22	20	
Cadmium	101	1.0	"	100		101	80-120	0.724	20	
Chromium	102	2.0	"	100		102	80-120	0.657	20	
Cobalt	114	1.0	"	100		114	80-120	1.80	20	
Copper	106	1.0	"	100		106	78-122	1.11	20	
Lead	104	1.0	"	100		104	80-120	0.456	20	
Molybdenum	101	1.0	"	100		101	80-120	0.874	20	
Nickel	112	1.0	"	100		112	80-120	1.98	20	
Selenium	94.2	4.0	"	100		94.2	76-124	2.96	20	
Silver	96.0	2.0	"	100		96.0	60-140	1.60	40	
Thallium	114	4.0	"	100		114	80-120	3.67	20	
Vanadium	98.5	2.0	"	100		98.5	80-120	1.95	20	
Zinc	99.2	2.0	"	100		99.2	80-120	0.328	20	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J1616 - EPA 3050B										
Matrix Spike (B4J1616-MS1)	**Source: 2410298-25**			Prepared & Analyzed: 10/16/24						
Antimony	103	2.0	mg/kg	99.1	0.618	103	60-140			
Arsenic	104	2.0	"	99.1	2.60	102	70-130			
Barium	224	2.0	"	99.1	115	110	70-130			
Beryllium	106	1.0	"	99.1	1.81	105	70-130			
Cadmium	87.0	1.0	"	99.1	4.67	83.0	70-130			
Chromium	98.4	2.0	"	99.1	12.7	86.5	70-130			
Cobalt	95.5	1.0	"	99.1	6.55	89.8	70-130			
Copper	115	1.0	"	99.1	30.4	85.1	70-130			
Lead	167	1.0	"	99.1	94.4	72.7	70-130			
Molybdenum	102	1.0	"	99.1	3.91	99.3	70-130			
Nickel	109	1.0	"	99.1	24.0	85.4	70-130			
Selenium	101	4.0	"	99.1	ND	102	70-130			
Silver	102	2.0	"	99.1	1.76	101	60-140			
Thallium	88.6	4.0	"	99.1	ND	89.4	75-125			
Vanadium	98.3	2.0	"	99.1	19.3	79.7	75-125			
Zinc	338	2.0	"	99.1	244	94.9	75-125			
Matrix Spike Dup (B4J1616-MSD1)	**Source: 2410298-25**			Prepared & Analyzed: 10/16/24						
Antimony	102	2.0	mg/kg	99.2	0.618	102	60-140	1.16	20	
Arsenic	102	2.0	"	99.2	2.60	101	70-130	1.75	20	
Barium	231	2.0	"	99.2	115	117	70-130	3.16	20	
Beryllium	105	1.0	"	99.2	1.81	104	70-130	0.723	20	
Cadmium	84.1	1.0	"	99.2	4.67	80.0	70-130	3.38	20	
Chromium	95.9	2.0	"	99.2	12.7	83.9	70-130	2.60	20	
Cobalt	93.2	1.0	"	99.2	6.55	87.3	70-130	2.53	20	
Copper	118	1.0	"	99.2	30.4	88.1	70-130	2.64	30	
Lead	166	1.0	"	99.2	94.4	72.2	70-130	0.289	30	
Molybdenum	101	1.0	"	99.2	3.91	98.0	70-130	1.14	20	
Nickel	106	1.0	"	99.2	24.0	82.6	70-130	2.51	20	
Selenium	99.7	4.0	"	99.2	ND	100	70-130	1.36	20	
Silver	103	2.0	"	99.2	1.76	102	60-140	1.31	40	
Thallium	89.0	4.0	"	99.2	ND	89.7	75-125	0.378	20	
Vanadium	100	2.0	"	99.2	19.3	81.4	75-125	1.80	20	
Zinc	349	2.0	"	99.2	244	106	75-125	3.27	20	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Total Volatile Petroleum Hydrocarbons (TVPH) by GC/FID - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J1607 - EPA 5035 P & T										
Blank (B4J1607-BLK1)				Prepared & Analyzed: 10/16/24						
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg							
LCS (B4J1607-BS1)				Prepared & Analyzed: 10/16/24						
Gasoline Range Hydrocarbons (C4-C12)	0.685	0.050	mg/kg	0.600		114	80-120			
Matrix Spike (B4J1607-MS1)		**Source: 2410298-01**		Prepared & Analyzed: 10/16/24						
Gasoline Range Hydrocarbons (C4-C12)	0.732	0.050	mg/kg	0.600	ND	122	50-150			
Matrix Spike Dup (B4J1607-MSD1)		**Source: 2410298-01**		Prepared & Analyzed: 10/16/24						
Gasoline Range Hydrocarbons (C4-C12)	0.600	0.050	mg/kg	0.600	ND	100	50-150	19.8	30	
Batch B4J1702 - EPA 5035 P & T										
Blank (B4J1702-BLK1)				Prepared & Analyzed: 10/17/24						
Gasoline Range Hydrocarbons (C4-C12)	ND	0.050	mg/kg							
LCS (B4J1702-BS1)				Prepared & Analyzed: 10/17/24						
Gasoline Range Hydrocarbons (C4-C12)	0.603	0.050	mg/kg	0.600		100	80-120			
Matrix Spike (B4J1702-MS1)		**Source: 2410298-30**		Prepared & Analyzed: 10/17/24						
Gasoline Range Hydrocarbons (C4-C12)	0.685	0.050	mg/kg	0.600	ND	114	50-150			
Matrix Spike Dup (B4J1702-MSD1)		**Source: 2410298-30**		Prepared & Analyzed: 10/17/24						
Gasoline Range Hydrocarbons (C4-C12)	0.732	0.050	mg/kg	0.600	ND	122	50-150	6.63	30	

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SALEM Engineering Group - SC	Project:	3-424-0858	
401 Ave Del Mar, Unit C3	Project Number:	[none]	**Reported:**
San Clemente CA, 92672	Project Manager:	Jim Robert	10/23/24 15:21

Total Petroleum Hydrocarbons (TPH) by GC/FID - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J1701 - EPA 3550B Solid Ext										
Blank (B4J1701-BLK1)				Prepared & Analyzed: 10/17/24						
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg							
Oil Range Organics (C22-C36)	ND	5.0	"							
LCS (B4J1701-BS1)				Prepared & Analyzed: 10/17/24						
Diesel Range Organics (C10-C24)	16.9	5.0	mg/kg	20.0		84.5	80-120			
Diesel Range Organics (C10-C24)	16.9	5.0	"	20.0		84.5	80-120			
Matrix Spike (B4J1701-MS1)		**Source: 2410298-06**		Prepared & Analyzed: 10/17/24						
Diesel Range Organics (C10-C24)	20.8	5.0	mg/kg	20.0	ND	104	50-150			
Diesel Range Organics (C10-C24)	20.8	5.0	"	20.0	ND	104	50-150			
Matrix Spike Dup (B4J1701-MSD1)		**Source: 2410298-06**		Prepared & Analyzed: 10/17/24						
Diesel Range Organics (C10-C24)	26.5	5.0	mg/kg	20.0	ND	133	50-150	24.2	30	
Diesel Range Organics (C10-C24)	26.5	5.0	"	20.0	ND	133	50-150	24.2	30	
Batch B4J1803 - EPA 3550B Solid Ext										
Blank (B4J1803-BLK1)				Prepared & Analyzed: 10/18/24						
Diesel Range Organics (C10-C24)	ND	5.0	mg/kg							
Oil Range Organics (C22-C36)	ND	5.0	"							
LCS (B4J1803-BS1)				Prepared & Analyzed: 10/18/24						
Diesel Range Organics (C10-C24)	20.1	5.0	mg/kg	20.0		101	80-120			
Diesel Range Organics (C10-C24)	20.1	5.0	"	20.0		101	80-120			
Matrix Spike (B4J1803-MS1)		**Source: 2410298-18**		Prepared & Analyzed: 10/18/24						
Diesel Range Organics (C10-C24)	27.6	5.0	mg/kg	20.0	ND	138	50-150			
Diesel Range Organics (C10-C24)	27.6	5.0	"	20.0	ND	138	50-150			

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SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Total Petroleum Hydrocarbons (TPH) by GC/FID - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J1803 - EPA 3550B Solid Ext										
Matrix Spike Dup (B4J1803-MSD1)		**Source: 2410298-18**		Prepared & Analyzed: 10/18/24						
Diesel Range Organics (C10-C24)	23.7	5.0	mg/kg	20.0	ND	119	50-150	15.0	30	
Diesel Range Organics (C10-C24)	23.7	5.0	"	20.0	ND	119	50-150	15.0	30	

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SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J1722 - EPA 3550B Solid Ext										
Blank (B4J1722-BLK1)				Prepared & Analyzed: 10/17/24						
PCB-1016	ND	0.050	mg/kg							
PCB-1221	ND	0.050	"							
PCB-1232	ND	0.050	"							
PCB-1242	ND	0.050	"							
PCB-1248	ND	0.050	"							
PCB-1254	ND	0.050	"							
PCB-1260	ND	0.050	"							
LCS (B4J1722-BS1)				Prepared & Analyzed: 10/17/24						
PCB-1260	0.157	0.050	mg/kg	0.167		94.2	80-120			
Matrix Spike (B4J1722-MS1)		**Source: 2410298-01**		Prepared & Analyzed: 10/17/24						
PCB-1260	0.191	0.050	mg/kg	0.167	ND	114	50-150			
Matrix Spike Dup (B4J1722-MSD1)		**Source: 2410298-01**		Prepared & Analyzed: 10/17/24						
PCB-1260	0.169	0.050	mg/kg	0.167	ND	101	50-150	12.2	30	

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SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J1609 - EPA 5035 P & T										
Blank (B4J1609-BLK1)				Prepared: 10/16/24 Analyzed: 10/17/24						
1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg							
1,1,1-Trichloroethane	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
2-Chloroethylvinyl ether	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
4-Methyl-2-pentanone	ND	5.0	"							
Benzene	ND	5.0	"							
Bromobenzene	ND	5.0	"							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
Carbon Tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
Dibromomethane	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							

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SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J1609 - EPA 5035 P & T										
Blank (B4J1609-BLK1)				Prepared: 10/16/24 Analyzed: 10/17/24						
Methyl tert-butyl ether	ND	5.0	µg/kg							
Methylene Chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
o-Xylene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
Toluene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
Vinyl Chloride	ND	5.0	"							
LCS (B4J1609-BS1)				Prepared: 10/16/24 Analyzed: 10/17/24						
1,1-Dichloroethene	55.7	5.0	µg/kg	50.0		111	80-120			
Benzene	52.0	5.0	"	50.0		104	80-120			
Chlorobenzene	51.9	5.0	"	50.0		104	80-120			
Toluene	58.4	5.0	"	50.0		117	80-120			
Trichloroethene	50.1	5.0	"	50.0		100	80-120			
Matrix Spike (B4J1609-MS1)	**Source: 2410298-01**			Prepared: 10/16/24 Analyzed: 10/17/24						
1,1-Dichloroethene	49.5	5.0	µg/kg	50.0	ND	98.9	50-150			
Benzene	52.4	5.0	"	50.0	ND	105	37-151			
Chlorobenzene	46.6	5.0	"	50.0	ND	93.1	37-160			
Toluene	56.0	5.0	"	50.0	ND	112	47-150			
Trichloroethene	51.3	5.0	"	50.0	ND	103	71-157			

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J1609 - EPA 5035 P & T										
Matrix Spike Dup (B4J1609-MSD1)	**Source: 2410298-01**			Prepared: 10/16/24 Analyzed: 10/17/24						
1,1-Dichloroethene	47.5	5.0	µg/kg	50.0	ND	95.0	50-150	4.04	30	
Benzene	48.2	5.0	"	50.0	ND	96.3	37-151	8.53	30	
Chlorobenzene	40.5	5.0	"	50.0	ND	81.1	37-160	13.8	30	
Toluene	46.9	5.0	"	50.0	ND	93.9	47-150	17.6	30	
Trichloroethene	46.4	5.0	"	50.0	ND	92.9	71-157	9.91	30	
Batch B4J1802 - EPA 5035 P & T										
Blank (B4J1802-BLK1)				Prepared & Analyzed: 10/18/24						
1,1,1,2-Tetrachloroethane	ND	5.0	µg/kg							
1,1,1-Trichloroethane	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
2-Chloroethylvinyl ether	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
4-Methyl-2-pentanone	ND	5.0	"							
Benzene	ND	5.0	"							
Bromobenzene	ND	5.0	"							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
Carbon Tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							

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SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J1802 - EPA 5035 P & T										
Blank (B4J1802-BLK1)				Prepared & Analyzed: 10/18/24						
cis-1,2-Dichloroethene	ND	5.0	µg/kg							
cis-1,3-Dichloropropene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
Dibromomethane	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
Methyl tert-butyl ether	ND	5.0	"							
Methylene Chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
o-Xylene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
Toluene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
Vinyl Chloride	ND	5.0	"							
LCS (B4J1802-BS1)				Prepared & Analyzed: 10/18/24						
1,1-Dichloroethene	54.6	5.0	µg/kg	50.0		109	80-120			
Benzene	54.3	5.0	"	50.0		109	80-120			
Chlorobenzene	45.6	5.0	"	50.0		91.3	80-120			
Toluene	52.3	5.0	"	50.0		105	80-120			
Trichloroethene	54.6	5.0	"	50.0		109	80-120			

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SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J1802 - EPA 5035 P & T										
Matrix Spike (B4J1802-MS1)	**Source: 2410298-18**			Prepared & Analyzed: 10/18/24						
1,1-Dichloroethene	51.5	5.0	µg/kg	50.0	ND	103	50-150			
Benzene	52.7	5.0	"	50.0	ND	105	37-151			
Chlorobenzene	44.6	5.0	"	50.0	ND	89.3	37-160			
Toluene	50.8	5.0	"	50.0	ND	102	47-150			
Trichloroethene	51.2	5.0	"	50.0	ND	102	71-157			
Matrix Spike Dup (B4J1802-MSD1)	**Source: 2410298-18**			Prepared & Analyzed: 10/18/24						
1,1-Dichloroethene	51.8	5.0	µg/kg	50.0	ND	104	50-150	0.561	30	
Benzene	52.4	5.0	"	50.0	ND	105	37-151	0.666	30	
Chlorobenzene	45.5	5.0	"	50.0	ND	91.0	37-160	1.84	30	
Toluene	51.5	5.0	"	50.0	ND	103	47-150	1.49	30	
Trichloroethene	51.6	5.0	"	50.0	ND	103	71-157	0.720	30	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/23/24 15:21

Notes and Definitions

S-07	Surrogate recovery outside of control limits due to coelution with high levels of petroleum hydrocarbons.
S-03	Surrogate diluted out.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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E-MAIL: SIERRALABS @ SIERRALABS.NET

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CHAIN OF CUSTODY RECORD

Date: 10/15/24 Page: 1 of 3

Lab Work Order No.: 2410298

Client: Salem Eng
Client Address: 401 Alt Del Mar #C3
San Clemente, CA 92672

Client Tel. No.: (206) 660-6766
Client Fax. No.:
Client Proj. Mgr.: Jim Robert

Client Project ID: 3-424-0858

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☒ Normal ☐ Mobile

Analyses Requested

Geotracker EDD Info:

Client LOGCODE

Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	PCBs 8082	TPH-G/D/O 8015	VOCs 8260	Title 22 Metals									Field Point Names / Comments
SV-1 @ 1'	01	10/15/24	0830	soil	ice	acetate	1	X	X	X	X									
@ 5'	02		0832						X	X	X									
@ 10'	03		0839																	
@ 15'	04		0842						X	X	X									
B-1 @ 1'	05		9:00					X	X	X	X									
@ 5'	06		9:03						X	X	X									
SV-2 @ 1'	07		9:14					X	X	X	X									
@ 5'	08		9:16					~~X~~ JR	X	X	X									
@ 10'	09		9:18																	
@ 15'	10		9:20						X	X	X									

1 Sampler Signature: [signature] Shipped Via:
Printed Name: James Robert (Carrier/Waybill No.)

2 Relinquished By: [signature] Date: 1535 Received By: [signature] Date: 1535
Company: Salem Time: 10/15/24 Company: Sierra Time: 10/15/24

3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

4 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Special Instructions:

10 Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

10/30 Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☒ Lab Disposal *
☐ Archive ____ mos.
☐ Other _____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 5.2°C
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☐ Storage Location

Rev: 120321

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

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CHAIN OF CUSTODY RECORD

Date: 10/15/24 Page: 2 of 3

Lab Work Order No.: 2410298

Client: Salem Eng
Client Address: 401 Ave Del Mar #C3 San Clemente, Ca.
Client Tel. No.: (206) 660-6766
Client Fax. No.:
Client Proj. Mgr.: Tim Robert

Client Project ID: 3-424-0858

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☒ Normal ☐ Mobile

Analyses Requested

Geotracker EDD Info:
Client LOGCODE
Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	PCBs 8082	TPH-G/D/O 8015B	VOC 8260B	Title 22 metals								Field Point Names / Comments
B-2 @ 1'	11	10/15/24	9:36	soil	ice	acetate	1	X	X	X	X								
@ 5'	12		9:38						X	X	X								
B-3 @ 1'	13		9:54					X	X	X	X								
@ 5'	14		9:57					R ~~X~~	X	X	X								
B-4 @ 1'	15		10:05					X	X	X	X								
@ 5'	16		10:07						X	X	X								
SV-3 @ 1'	17		10:15					X	X	X	X								
@ 5'	18		10:17						X	X	X								
@ 10'	19		10:21																
@ 15'	20		10:28						X	X	X								

1 Sampler Signature: [signature]
Printed Name: James Robert
Shipped Via:
(Carrier/Waybill No.)

2 Relinquished By: [signature] Date: 10/15/24 Received By: [signature] Date: 10/15/24
Company: Salem Time: 1535 Company: Sierra Time: 1535

3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

4 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Special Instructions:

Total Number of Containers Submitted to Laboratory: 10

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

Total Number of Containers Received by Laboratory: 10/30

Sample Disposal:
☐ Return to Client
☒ Lab Disposal *
☐ Archive ____ mos.
☐ Other ______

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact
☐ Sample Seals
☑ Properly Labelled
☑ Appropriate Sample Container
☑ Chilled - Temp (°C) 5.2 °C
☐ Preservatives - Verified By
☐ Other
☐ Storage Location

Rev: 120321

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CHAIN OF CUSTODY RECORD

Date: 10/15/24 Page: 3 of 3

Lab Work Order No.: 2410298

Client: Salem Eng.
Client Address: 401 Ave. De la Mar #C3
San Clemente Ca.
Client Tel. No.: (206) 660-6766
Client Fax. No.:
Client Proj. Mgr.: Jim Robert

Client Project ID: 3-424-0858

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☒ Normal ☐ Mobile

Analyses Requested: PCB's 8082 | TPH-G/D/O 8015B | VOCs 8260B | Ti-22 metals

Geotracker EDD Info:
Client LOGCODE
Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	Field Point Names / Comments
SV-4 @1'	21	10/15/24	10:45	soil	ice	acetate	1	
@5'	22		10:47					
@10'	23		10:50					
@15'	24		10:55					
SS-1	25		11:00			jar		
SS-2	26		11:03			jar		
SS-3	27		11:05			jar		
SS-5 @1'	28		11:05			acetate		
@5'	29		11:08					
@15'	30		11:12					

1 Sampler Signature: James Robert
Printed Name: James Robert
Shipped Via:
(Carrier/Waybill No.)

2 Relinquished By: James Robert Date: 10/15/24
Company: Salem Time: 1535
Received By: Sierra Date: 10/15/24
Company: Sierra Time: 1535

3 Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

4 Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

Special Instructions:

10/30 Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

10/30 Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☒ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 5.2°C
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☐ Storage Location

Rev: 120321

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28 October 2024

Jim Robert
SALEM Engineering Group - SC
401 Ave Del Mar, Unit C3
San Clemente, CA 92672

RE:3-424-0858

Work Order No.: 2410298

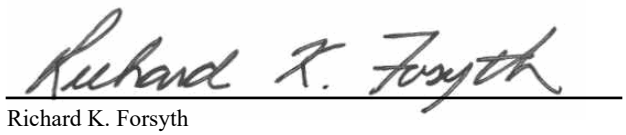
Attached are the results of the analyses for samples received by the laboratory on 10/15/24 15:35.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report.
If you require any additional retaining time, please advise us.

Sincerely,



Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS),
Environmental Laboratory Accreditation Program (ELAP) No. 2320.

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/28/24 14:14

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-1@1'	2410298-01	Soil	10/15/24 08:30	10/15/24 15:35
B-1@1'	2410298-05	Soil	10/15/24 09:00	10/15/24 15:35
B-1@5'	2410298-06	Soil	10/15/24 09:03	10/15/24 15:35
SV-2@1'	2410298-07	Soil	10/15/24 09:14	10/15/24 15:35
B-2@5'	2410298-12	Soil	10/15/24 09:38	10/15/24 15:35
SS-1	2410298-25	Soil	10/15/24 11:00	10/15/24 15:35
SS-2	2410298-26	Soil	10/15/24 11:03	10/15/24 15:35
SV-5@5'	2410298-29	Soil	10/15/24 11:08	10/15/24 15:35

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E-Mail: sierralabs @ sierralabs.net

SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/28/24 14:14

TCLP Metals by 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-1@1' (2410298-01) Soil Sampled: 10/15/24 08:30 Received: 10/15/24 15:35									
Lead	ND	0.05	mg/L	1	B4J2403	10/24/24	10/28/24 13:35	EPA 6010B	
B-1@1' (2410298-05) Soil Sampled: 10/15/24 09:00 Received: 10/15/24 15:35									
Lead	ND	0.05	mg/L	1	B4J2403	10/24/24	10/28/24 13:35	EPA 6010B	
B-2@5' (2410298-12) Soil Sampled: 10/15/24 09:38 Received: 10/15/24 15:35									
Lead	ND	0.05	mg/L	1	B4J2403	10/24/24	10/28/24 13:35	EPA 6010B	
SS-2 (2410298-26) Soil Sampled: 10/15/24 11:03 Received: 10/15/24 15:35									
Lead	ND	0.05	mg/L	1	B4J2403	10/24/24	10/28/24 13:35	EPA 6010B	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/28/24 14:14

STLC Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SV-1@1' (2410298-01) Soil Sampled: 10/15/24 08:30 Received: 10/15/24 15:35									
Lead	**0.24**	0.02	mg/L	1	B4J2404	10/24/24	10/28/24 13:37	EPA 6010B	
B-1@1' (2410298-05) Soil Sampled: 10/15/24 09:00 Received: 10/15/24 15:35									
Lead	**0.19**	0.02	mg/L	1	B4J2404	10/24/24	10/28/24 13:37	EPA 6010B	
B-1@5' (2410298-06) Soil Sampled: 10/15/24 09:03 Received: 10/15/24 15:35									
Lead	ND	0.02	mg/L	1	B4J2404	10/24/24	10/28/24 13:37	EPA 6010B	
SV-2@1' (2410298-07) Soil Sampled: 10/15/24 09:14 Received: 10/15/24 15:35									
Lead	**0.11**	0.02	mg/L	1	B4J2404	10/24/24	10/28/24 13:37	EPA 6010B	
B-2@5' (2410298-12) Soil Sampled: 10/15/24 09:38 Received: 10/15/24 15:35									
Lead	**0.06**	0.02	mg/L	1	B4J2404	10/24/24	10/28/24 13:37	EPA 6010B	
SS-1 (2410298-25) Soil Sampled: 10/15/24 11:00 Received: 10/15/24 15:35									
Lead	ND	0.02	mg/L	1	B4J2404	10/24/24	10/28/24 13:37	EPA 6010B	
SS-2 (2410298-26) Soil Sampled: 10/15/24 11:03 Received: 10/15/24 15:35									
Lead	**0.08**	0.02	mg/L	1	B4J2404	10/24/24	10/28/24 13:37	EPA 6010B	
SV-5@5' (2410298-29) Soil Sampled: 10/15/24 11:08 Received: 10/15/24 15:35									
Arsenic	**0.22**	0.08	mg/L	1	B4J2404	10/24/24	10/28/24 13:37	EPA 6010B	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/28/24 14:14

TCLP Metals by 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J2403 - EPA 3010A										
Blank (B4J2403-BLK1)				Prepared: 10/24/24 Analyzed: 10/28/24						
Lead	ND	0.05	mg/L							
LCS (B4J2403-BS1)				Prepared: 10/24/24 Analyzed: 10/28/24						
Lead	0.22	0.05	mg/L	0.200		112	80-120			
Duplicate (B4J2403-DUP1)		**Source: 2410298-01**		Prepared: 10/24/24 Analyzed: 10/28/24						
Lead	0.01	0.05	mg/L		0.01			19.7	20	
Matrix Spike (B4J2403-MS1)		**Source: 2410298-01**		Prepared: 10/24/24 Analyzed: 10/28/24						
Lead	0.25	0.05	mg/L	0.200	0.01	117	70-130			
Matrix Spike Dup (B4J2403-MSD1)		**Source: 2410298-01**		Prepared: 10/24/24 Analyzed: 10/28/24						
Lead	0.25	0.05	mg/L	0.200	0.01	120	70-130	2.25	30	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/28/24 14:14

STLC Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J2404 - EPA 3010A										
Blank (B4J2404-BLK1)				Prepared: 10/24/24 Analyzed: 10/28/24						
Arsenic	ND	0.08	mg/L							
Lead	ND	0.02	"							
LCS (B4J2404-BS1)				Prepared: 10/24/24 Analyzed: 10/28/24						
Arsenic	1.85	0.08	mg/L	2.00		92.5	80-120			
Lead	1.89	0.02	"	2.00		94.3	80-120			
Duplicate (B4J2404-DUP1)		**Source: 2410298-01**		Prepared: 10/24/24 Analyzed: 10/28/24						
Arsenic	ND	0.08	mg/L		0.02				30	
Lead	0.20	0.02	"		0.24			17.0	20	
Matrix Spike (B4J2404-MS1)		**Source: 2410298-01**		Prepared: 10/24/24 Analyzed: 10/28/24						
Arsenic	1.88	0.08	mg/L	2.00	0.02	93.2	80-120			
Lead	2.37	0.02	"	2.00	0.24	106	70-130			
Matrix Spike Dup (B4J2404-MSD1)		**Source: 2410298-01**		Prepared: 10/24/24 Analyzed: 10/28/24						
Arsenic	1.80	0.08	mg/L	2.00	0.02	88.8	80-120	4.73	20	
Lead	2.33	0.02	"	2.00	0.24	105	70-130	1.36	30	

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SIERRA ANALYTICAL

SALEM Engineering Group - SC	Project: 3-424-0858	
401 Ave Del Mar, Unit C3	Project Number: [none]	**Reported:**
San Clemente CA, 92672	Project Manager: Jim Robert	10/28/24 14:14

Notes and Definitions

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

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

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CHAIN OF CUSTODY RECORD

Date: 10,15,24 Page: 1 of 3

Lab Work Order No.: 2410298

Client: Salem Eng
Client Address: 401 A Del Mar #C3
San Clemente, C. 92672
Client Tel. No.: (206) 660-6766
Client Fax. No.:
Client Proj. Mgr.: Jim Robert

Client Project ID: 3-424-0858

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☒ Normal ☐ Mobile

Analyses Requested

Geotracker EDD Info:
Client LOGCODE
Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	PCBs 8082	TPH-G/D/O 8015	VOCs 8260	Title 22 metals	Field Point Names / Comments
SV-1 @ 1'	01	10/15/24	0830	Soil	Ice	acetate	1	X	X	X	X	
@ 5'	02		0832						X	X	X	
@ 10'	03		0839									
@ 15'	04		0842						X	X	X	
B-1 @ 1'	05		9:00					X	X	X	X	
@ 5'	06		9:03						X	X	X	
SV-2 @ 1'	07		9:14					X	X	X	X	
@ 5'	08		9:16					###	X	X	X	
@ 10'	09		9:18									
@ 15'	10		9:20						X	X	X	

1 Sampler Signature: James Robert
Printed Name: James Robert

Shipped Via:
(Carrier/Waybill No.)

10 Total Number of Containers Submitted to Laboratory

Sample Disposal:
☐ Return to Client
☒ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

2 Relinquished By: [signature] Date: 10/15/24 Time: 1535
Company: Salem
Received By: [signature] Date: 10/15/24 Time: 1535
Company: Sierra

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

3 Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

10/30 Total Number of Containers Received by Laboratory

4 Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 5.2°C
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☐ Storage Location

Special Instructions:

Rev: 120321

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

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CHAIN OF CUSTODY RECORD

Date: 10,15,24 Page: 2 of 3

Lab Work Order No.: 2410298

Client: Salem Eng
Client Address: 401 Av Del Mar #C3
San Clemente, Ca.
Client Tel. No.: (206) 460-6766
Client Fax. No.:
Client Proj. Mgr.: Jim Robert

Client Project ID: 3-424-0858

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☒ Normal ☐ Mobile

Analyses Requested

Geotracker EDD Info:
Client LOGCODE
Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	RBL 8082	TPH-G/D/O 8015B	VOC 8260B	Ti+6 22 metals	Field Point Names / Comments
B-2 @ 1'	11	10/15/24	9:36	SOIL	ICE	acetate	1	X	X	X	X	
@ 5'	12		9:38						X	X	X	
B-3 @ 1'	13		9:54					X	X	X	X	
@ 5'	14		9:57						X	X	X	
B-4 @ 1'	15		10:05					X	X	X	X	
@ 5'	16		10:07						X	X	X	
SV-3 @ 1'	17		10:15					X	X	X	X	
@ 5'	18		10:17						X	X	X	
@ 10'	19		10:21									
@ 15'	20		10:28						X	X	X	

[1] Sampler Signature: Jim Robert
Printed Name: Jim Robert

Shipped Via:
(Carrier/Waybill No.)

[2] Relinquished By: Jim Robert Date: 10/15/24 Time: 1535
Company: Salem
Received By: Sierra Date: 10/15/24 Time: 1535
Company:

[3] Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

[4] Relinquished By: Date: Time:
Company:
Received By: Date: Time:
Company:

Special Instructions:

10 Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

10/30 Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☒ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 5.2 °C
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☐ Storage Location

Rev: 120321

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

SIERRA ANALYTICAL
TEL: 949 • 348 • 9389
FAX: 949 • 348 • 9115
26052 Merit Circle • Suite 104 • Laguna Hills, CA • 92653

CHAIN OF CUSTODY RECORD

Date: 10/15/24 Page: 3 of 3

Lab Work Order No.: 2410298

Client: Salem Eng.
Client Address: 401 Ave. Del Mar #C3
San Clemente, Ca.
Client Tel. No.: (206) 660-6766
Client Fax. No.:
Client Proj. Mgr.: Jim Robert

Client Project ID: 3-424-0858

Turn Around Time Requested: ☐ Immediate ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 4 Day ☐ 5 Day ☒ Normal ☐ Mobile

Analyses Requested

Geotracker EDD Info:
Client LOGCODE
Site Global ID

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	PCB's 8082	TPH-G/D/O 8015B	VOCs 8260B	Title 22 metals	Field Point Names / Comments
SV-4 @ 1'	21	10/15/24	10:45	soil	ice	acetate	1	X	X	X	X	
@ 5'	22		10:47						X	X	X	
@ 10'	23		10:50									
@ 15'	24		10:55						X	X	X	
SS-1	25		11:00			jar		X	X	X	X	
SS-2	26		11:03			jar		X	X	X	X	
SS-3	27		11:05			jar		X	X	X	X	
SS-5 @ 1'	28		11:05			acetate		X	X	X	X	
@ 5'	29		11:08						X	X	X	
@ 15'	30		11:12						X	X	X	

1 Sampler Signature: [signature] Shipped Via:
Printed Name: James Robert (Carrier/Waybill No.)

2 Relinquished By: [signature] Date: 10/15/24 Received By: [signature] Date: 10/15/24
Company: Salem Time: 1535 Company: Sierra Time: 1535

3 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

4 Relinquished By: Date: Received By: Date:
Company: Time: Company: Time:

Special Instructions:

10/30 Total Number of Containers Submitted to Laboratory

The delivery of samples and the signature on this chain of custody form constitutes authorization to perform the analyses specified above under SIERRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT.
* - Samples determined to be hazardous by SIERRA will be returned to CLIENT.

10/30 Total Number of Containers Received by Laboratory

Sample Disposal:
☐ Return to Client
☒ Lab Disposal *
☐ Archive ____ mos.
☐ Other ____

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☒ Intact ☒ Chilled - Temp (°C) 5.2°C
☐ Sample Seals ☐ Preservatives - Verified By
☒ Properly Labelled ☐ Other
☒ Appropriate Sample Container ☐ Storage Location

Rev: 120321

DISTRIBUTION: White - To Accompany Samples, Yellow - Laboratory Copy, Pink - Field Personnel Copy

Gmail Sierra Analytical Labs <sierralabs@sierralabs.net>

Report #2410298

James S. Robert <Jim@salem.net> Thu, Oct 24, 2024 at 1:00 PM
To: Sierra Analytical Labs <sierralabs@sierralabs.net>

Okay, got approval to run the expedited tests as detailed in my previous email. Please send updated results once they're available. Site was a former auto wrecking yard so I'm assuming that the lead is likely from cracking open old batteries and dumping the contents and/or leaded gasoline from back in the day. Thank you!

Jim

From: James S. Robert <Jim@Salem.net>
Sent: Thursday, October 24, 2024 7:29 AM
To: Sierra Analytical Labs <sierralabs@sierralabs.net>
Subject: Re: Report #2410298

Can you please let me know the cost to run the following additional analyses on the samples below, including rush charges for 3 day TAT (which would include the digestion period of 48 hrs).

SV-1 @1', TCLP and STLC lead;
B-1 @1', TCLP and STLC lead;
B-1 @5', STLC lead;
SV-2 @ 1', STLC lead;
B-2 @ 5', TCLP and STLC lead;
SS-1, STLC lead;
SS-2, TCLP and STLC lead;
SV-5 @ 5', STLC arsenic.

From: Sierra Analytical Labs <sierralabs@sierralabs.net>
Sent: Wednesday, October 23, 2024 3:28 PM
To: James S. Robert <Jim@Salem.net>
Subject: Report #2410298

This email originated from outside of the organization. DO NOT CLICK on links or attachments unless you know the sender and the content is safe.

Please Note: In order to help reduce our impact on the environment, a hard copy of the report will not be generated unless requested. Sierra will retain the original copy of the chain of custody on file unless otherwise directed by the client.

Sierra Analytical Labs, Inc.
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Laguna Hills, CA 92653
Tel: (949) 348-9389
Fax: (949) 348-9115
www.sierralabs.net