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November 13, 2017 **Job No. 3-416-1112**

Mr. Don Cape
Tharaldson Investments
4255 Dean Martin Drive, Suite J
Las Vegas, NV 89103

Subject: **Phase II Environmental Site Assessment**
Proposed Towneplace Suites Hotel
SWC West Huntington Drive & South Myrtle Avenue
Monrovia, CA

Dear Mr. Cape:

At your request and authorization, SALEM Engineering Group, Inc. (SALEM) has prepared this Phase II Environmental Site Assessment Report for the proposed Towneplace Suites Hotel site located on the southwest corner of West Huntington Drive and South Myrtle Avenue in Monrovia, 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.

Joe Grippaldi
Environmental Project Manager

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

SALEM
engineering group, inc.

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

PROPOSED TOWNEPLACE SUITE HOTEL
SWC WEST HUNTINGTON DRIVE & SOUTH MYRTLE AVENUE
MONROVIA, CA 91016

SALEM PROJECT NO. 3-416-1112
NOVEMBER 13, 2017

PREPARED FOR:

MR. DON CAPE
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SALEM engineering group, inc.

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PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

PROPOSED TOWNEPLACE SUITES HOTEL
SWC WEST HUNTINGTON DRIVE & SOUTH MYRTLE AVENUE
MONROVIA, CALIFORNIA

1.0 EXECUTIVE SUMMARY

Salem Engineering Group, Inc. (SALEM) conducted a Phase II Environmental Site Assessment (ESA) to investigate the proposed Towneplace Suites Hotel site located on the southwest corner of West Huntington Drive and South Myrtle Avenue in Monrovia, California (subject property). The subject property comprises six contiguous parcels (Los Angeles County Assessor's Parcel Numbers [APNs] 8508-010-901, 8508-010-902, 8508-010-903, 8508-010-904, 8508-010-905 and 8505-010-906) totaling approximately 1.77 acres. The investigation was performed in accordance with SALEM's Proposal No. P3-417-1738 dated October 17, 2017.

Tharaldson Investments requested that SALEM perform a Phase II soil and soil vapor investigation to address Recognized Environmental Conditions (RECs) identified in SALEM's October 31, 2016 Phase I ESA and to gather data regarding current site conditions prior to the purchase and redevelopment of the subject property. The Phase I ESA indicated that the subject property was historically occupied by a lumber company as early as 1888. Sanborn Fire Insurance Maps (SFIMs) indicated that "crude oil" tanks were located on the western portion of the subject property during this time. By 1907, the subject property was occupied by two structures, a "Manufacturing Orangewood Novelties" building and an "Old Lumber Shed." In 1927, a gasoline service station (102 W. Huntington Drive) was located on the northeast corner; a small "Office" building (112 W. Huntington Drive) on the northern boundary; and a residential dwelling with a detached garage (132 W. Huntington Drive) on the western portion of the property. In 1942, the gasoline service station appeared to have been expanded into a larger facility. A multi-tenant commercial building (122-124 W. Huntington Drive) is depicted on the northern boundary of the subject property. By 1950, an automobile dealership (112 W. Huntington Drive) and a brake shop (124 W. Huntington Drive) were developed on the central portion of the subject property. In 1964, the gasoline service station was demolished and replaced with a new service station. The gasoline service station was demolished in 2003 and replaced with an automobile repair facility. The majority of the structures on the subject property were demolished in approximately 2013. The subject property has been vacant undeveloped land since.

Historic soil sampling identified the presence of petroleum hydrocarbons, fuel oxygenates and volatile organic compounds (VOCs) associated with the former Shell gasoline service station. Excavation remediation and follow-up soil sampling was performed at the Shell gasoline service station site until the Los Angeles County Department of Public Works (LACDPW) issued a "no further action" designation for the Shell gasoline service station in July 2006.

SALEM recommended conducting a Phase II ESA at the subject property to establish baseline soil and soil vapor concentrations, to determine if the historical operations pose a potential vapor intrusion risk to future occupants at the subject property, and to evaluate potential construction concerns (management and disposal of contaminated soils).

The following data summary is based on a review of field and laboratory data obtained during SALEM's November 1, 2017 investigation at the subject property:

- According to Delta Environmental Consultants, Inc.'s report titled, *Site Assessment Report, Former Shell Service Station, 102 W. Huntington Drive, Monrovia, California*, dated October 15, 2004, groundwater is estimated to be encountered over 145 feet below ground surface (bgs) beneath the subject property. Based upon SALEM's topographic map interpretation, the general direction of groundwater flow in the vicinity of the subject property is toward the southwest. However, local groundwater level and flow direction may vary due to seasonal fluctuations in precipitation, usage demands, geology, and/or surface topography.

- SALEM identified the presence of underground piping along the northeastern portion of the subject property during the performance of underground utility screening activities. The piping is likely associated with the historic gasoline service station operations and may require special handling during redevelopment activities.

- SALEM installed two soil borings (B-1 and B-3) to depths of 25 feet bgs and six soil borings (B-2 and B-4 through B-8) to depths of 15 feet bgs during the November 1, 2017 investigation. Generally, soil types consisted of light yellowish brown, dry, fine- to coarse-grained sand with trace gravel. Groundwater was not encountered in any of the soil borings.

- Nested soil vapor wells, with vapor probes at 5 and 15 feet bgs, were installed in six of the eight boring locations (SV-1 through SV-6).

- Low concentrations of several Title 22 Metals, consistent with background metal concentrations in California, were detected in each of the four analyzed soil samples (B-1 through B-4). No soil samples analyzed exceeded Total Threshold Limit Concentrations (TTLCs), or U.S. EPA Regional Screening Levels (RSLs) for residential soil. In addition, no Title 22 Metal constituents exceeded 10 times their respective soluble threshold limit concentration (STLC), indicating that additional analyses for soluble metals is not necessary for hazardous waste determination purposes.

- VOCs were not detected above laboratory method detection limits in the analyzed soil samples. Data suggests that VOCs are not a constituent of potential environmental concern (COPC) at the subject property.

- Heavy oil-range total petroleum hydrocarbons (TPH) were detected at a concentration of 8.4 milligrams per kilogram (mg/kg) in the 5-foot bgs sample collected from B-8, located near the former lumber company. The oil-range TPH concentration was well below the CRWQCB - Los Angeles Region screening level of 10,000 mg/kg.

- Diesel- and gasoline-range TPH were not detected above laboratory method detection limits in the analyzed soil samples.

- Data suggests that TPH in soil does not pose a potential risk to human health.

- With the exception of tetrachloroethene (PCE), VOCs were not detected above laboratory analytical method detection limits in any of the soil vapor samples. Trace concentrations of PCE were detected in each of the samples analyzed with the exception of SV-6 at 5 and 15-feet bgs and SV-5 at 15-feet bgs. Concentrations of PCE ranged from 0.1 micrograms per liter (µg/L) in SV-4

at 5-feet bgs, to 1.1 µg/L in SV-2 at 15-feet bgs. The concentrations of PCE were below the calculated commercial/industrial soil vapor screening level of 2.1 µg/L as established by the California Department of Toxic Substances Control (DTSC). Soil vapor analytical results suggest that the historic on-site gasoline station and various automotive service operations do not pose a vapor intrusion risk at the subject property, assuming that the site is redeveloped for commercial and/or industrial use.

Data suggests that soil and soil vapor at the subject property do not pose a potential risk to human health or the environment. No engineering controls (i.e. VOC vapor barrier) will be required during the redevelopment of the subject property. Based on these results, soil generated during redevelopment activities is suitable for unrestricted use and does not contain any constituents of concern in excess of applicable waste disposal thresholds or regulatory agency screening levels.

2.0 INTRODUCTION

SALEM conducted a Phase II ESA on behalf of Tharaldson Investments to investigate the Proposed Towneplace Suites Hotel site located on the southwest corner of West Huntington Drive and South Myrtle Avenue in Monrovia, California (subject property – see Figure 1). The investigation was performed in accordance with SALEM's Proposal No. P3-417-1738 dated October 17, 2017.

The subject property comprises six contiguous parcels (Los Angeles County APNs 8508-010-901, 8508-010-902, 8508-010-903, 8508-010-904, 8508-010-905 and 8505-010-906) totaling approximately 1.77 acres. The subject property has had the following historical addresses: 102, 116, 124, 132 and 140 West Huntington Drive, as well as 1109 South Myrtle Avenue.

2.1 Project Objectives

This report describes the results of soil and soil vapor assessment activities conducted by SALEM on behalf of Tharaldson Investments. The objectives of this investigation were to:

- Establish baseline soil and soil vapor concentrations;
- Further evaluate RECs identified in the Phase ESA;
- Determine if the historical operations pose a potential vapor intrusion risk to future occupants at the subject property; and
- Evaluate if there may be special management and disposal requirements for soil during the excavation and grading process.

2.2 Background

SALEM submitted a Phase I ESA to Tharaldson Investments for the subject property dated October 31, 2016. SALEM identified the following evidence of RECs in connection with the subject property as defined by ASTM E1527-13:

- SALEM's review of historical aerial photographs, SFIMs, historical city directories and City of Monrovia Building Department (MBD) records indicates the subject property was historically occupied by several commercial businesses of environmental concern which likely stored and handled hazardous materials dating to 1940. The subject property was occupied by a print shop (1109 S. Myrtle Avenue) for approximately 10 years; several automobile service-related facilities and various automobile dealerships (112 W. Huntington Drive) for approximately 23 years; and a brake shop (124 W. Huntington Drive) for approximately 27 years. Consequently, the impact to

the subject property's subsurface due to the historical use, storage and disposal of hazardous materials on-site is unknown.

Additionally, the following Historical RECs (HRECs) were identified as defined by ASTM E1527-13:

- According to California Regional Water Quality Control Board (RWQCB) records, the eastern portion of the subject property was formerly occupied by a Shell gasoline service station at 102 West Huntington Drive, located on the southwest corner of West Huntington Drive and South Myrtle Avenue. During a May 1988 site evaluation, eight borings (BH-1 through BH-8) were advanced at the subject property. TPH concentrations up to 1,400 mg/kg were identified in the soil near the north end of the underground storage tank (UST) cluster at approximately 40 feet bgs. In July 1988, five single-walled steel USTs were removed and replaced with three 12,000-gallon single-walled fiberglass USTs. TPH was encountered at concentrations between 80 mg/kg and greater than 1,000 mg/kg at the site. In January 1998, three borings (BH-9 through BH-11) were advanced at the site. TPH was detected in samples collected near the UST cluster at concentrations up to 1,260 mg/kg at 30 feet bgs. In July 1989, an expanded site assessment was conducted which included advancing six additional borings (BH-12 through BH-16). TPH was detected at 13,700 mg/kg in samples collected from 35 feet bgs. A request for "case closure" was denied by the LACDPW due to the failure to define the extent of the identified contamination on-site. In January 1993, six borings (BH-17 through BH 22) were advanced at the site to define the extent of contamination. It was determined that the contamination impacted approximately 150 cubic yards of soil to approximately 50 feet bgs. In April 1994, three vapor extraction wells (VE-1 through VE-3) were installed and tested. It was determined that the venting characteristics of the subsurface materials beneath the site were not suitable to initiate remediation using vapor extraction technology. Rather, a risk assessment conducted at the site determined that the risk for human exposure and groundwater impacts were low. The subject property received a "case closure" designation from the RWQCB on September 6, 1996.

- In March 2003 during gasoline service station demolition activities, three 12,000-gallon gasoline USTs, one 550-gallon waste oil, one 1,000-gallon waste oil (previously unidentified), dispensers and piping, three hydraulic hoists and one clarifier were removed from the area of the subject property historically occupied by the gasoline service station. A total of 34 soil samples were collected from the site. Soil samples collected identified TPH as diesel (TPH-d) and total recoverable petroleum hydrocarbons (TRPH) beneath the hoists, clarifier and waste oil USTs. Based upon the identified contamination on-site, the LACDPW re-opened the previous Leaking Underground Storage Tank (LUST) case in 2004. In August 2004, eleven borings (SB-1 through SB-11) were advanced at the site to depths ranging from approximately 95 to 145 feet bgs. Groundwater was not encountered at the site during drilling activities. Soil samples were analyzed for TPH as gasoline (TPH-g), TPH-d, TRPH, benzene, toluene, ethylbenzene and total xylenes (BTEX), methyl tert-butyl ether (MTBE), tert-butyl alcohol (TBA), tert-amyl methyl ether (TAME), di-isopropyl ether (DIPE) and ethyl tert-butyl ether (ETBE). TPH-d concentrations were generally detected in the shallow subsurface soil. Sporadic benzene concentrations were generally detected in soil samples analyzed in the vicinity of the former UST pit. MTBE, TBA, DIPE, ETBE and TAME were not detected in the analyzed soil samples. A small number of samples with TRPH detections were re-analyzed and, in most cases, were lower than the initial results. The low level scattered detections of hydrocarbons at the site appeared to be residual concentrations that have previously been addressed by remedial excavation activities. Based on the analytical data and the anticipated depth of groundwater in the area, it was recommended that no further action be granted to the site. The LACDPW issued a "no further action" designation for the site on July 27, 2006.

Based upon SALEM's review of LACDPW records, UST closure activities appear to have been conducted in accordance with regulatory agency guidelines and within industry standards in use at the time of UST removal activities.

3.0 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), evaluation of groundwater data, and access permission;
- Development of a site-specific Health and Safety Plan (HSP);
- Performance of subsurface utility screening;
- Advancement of two soil borings (B-1 and B-3) to depths of 25 feet bgs and six soil borings (B-2 and B-4 through B-8) to depths of 15 feet bgs and the collection of soil samples at 5-foot intervals from each boring;
- Installation of nested vapor wells in six of the eight borings, with vapor probes at depths of 5 and 15 feet bgs in each well;
- Collection of 12 primary and 1 duplicate soil vapor samples;
- Analytical testing of soil using a stationary laboratory;
- Analytical testing of soil vapor using a mobile laboratory; and
- Preparation of a report that documents field activities, analytical results, and summarizes the findings.

3.1 Pre-Field Activities

3.1.1 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).

3.1.2 Permits

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

3.1.3 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. In addition, SALEM utilized Spectrum Geophysics, Inc. (Spectrum) of Chatsworth, California to conduct a geophysical survey to clear on-site utilities that are not evaluated by USA. Spectrum employed EM-61 high sensitivity metal detection, vertical magnetic gradient, shallow focus terrain conductivity, and ground penetrating radar investigation methods.

The October 27, 2017 geophysical survey revealed the presence of underground piping near the northeast corner of the subject property. The piping is likely associated with the former Shell gasoline service station, which occupied the northeast portion of the subject property. The approximate location of the piping is depicted on Figure 2 (Site Map).

4.0 SOIL AND SOIL VAPOR INVESTIGATION METHODOLOGY

Field work for the soil sampling, nested vapor well installation, and soil vapor sampling was performed on November 1, 2017. Soil boring 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.

4.1 Soil Sampling and Soil Vapor Probe Installation Procedures

Two soil borings (B-1 and B-3) were advanced to depths of 25 feet bgs near the former gasoline sations UST area. Three soil borings (B-2, B-4 and B-5) were advanced to 15 feet bgs at the former gasoline service station location to evaluate the former fuel dispencer and product piping areas. Three soil borings (B-6 through B-8) were advanced to 15 feet bgs near the former lumber company, printing facility and historic automotive service facilities along the western portion of the subject property. Soil borings were advanced using a Strataprobe direct-push rig operated by H&P Mobile Geochemistry (H&P) of Carlsbad, California. A 2-foot long Long-Bore Soil Sampler, lined with acetate sleeves, was attached to the bottom of the drive rod. Soil samples were collected at depths of 5, 10, 15, 20 and 25 feet bgs in borings B-1 and B-3, and at depths of 5, 10 and 15 feet bgs in borings B-2 and B-4 through B-8. At each sample interval, the sampler was retrieved and the acetate sleeve was removed. A portion of the acetate sleeve was cut away from the soil core, capped with Teflon sheets and rubber end caps, and labelled with the sample name, sample date and time, and sampler's initials. The samples were recorded on a chain-of-custody document, sealed in a zip-lock bag, and placed in cold storage pending submittal to Sierra Analytical Labs of Laguna Hills, California, for chemical analysis.

The remaining soil was used to perform a headspace analysis for total organic vapors (TOVs) using a photo-ionization detector (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).

The 5- and 15-foot bgs soil samples collected from B-1 through SB-8, as well as the 20-foot bgs sample from B-1 and the 25-foot bgs sample from B-3 were analyzed by Sierra Analytical of Laguna Hills, California for total petroleum hydrocarbons – carbon range analysis (TPH-CRA) and VOCs using EPA Methods 8015B and 8260B, respectively. Additionally, the 5-foot bgs samples collected from B-1 and B-3, as well as the 10-foot bgs soil samples collected from B-2 and B-4 were analyzed for Title 22 Metals using EPA Methods 6010B/7471A. Soil analytical results are summarized Table 1. Laboratory analytical results and chain-of-custody documentation are provided in Appendix A.

Nested soil vapor probes were installed at depths of 5 and 15 feet bgs in six of the eight borings (SV-1 through SV-6). The nested well locations were backfilled with bentonite crumble to 15 feet 3 inches bgs and a ¼-inch diameter Nylaflow tube, attached to a sample port, was inserted into the open boring and set approximately 3 inches off the bottom. Number 3 washed aquarium sand was poured into the borehole until the sand extended from approximately 3 inches below and 3 inches above the slotted portion of the tube. Approximately 6 inches of fine bentonite crumble was placed in the hole as an annular seal and hydrated with water. Additional bentonite crumble was alternately placed in the hole and hydrated until the 5-foot bgs installation depth was reached. The 5-foot probe was installed in the same manner as the 15-foot 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.

4.2 Soil Vapor Sampling

Soil vapor samples were collected from the 5- and 15-foot bgs vapor probes in SV-1 through SV-6 on November 1, 2017 by H&P staff, supervised by SALEM personnel. Soil vapor sample procedures were completed in accordance with the July 2015 Advisory, Active Soil Gas Investigations, published jointly by the DTSC, California EPA, and the Los Angeles and San Francisco Regional Water Quality Control Boards.

4.2.1 Shut-in Testing

Before purging and sampling, a shut-in test was conducted on the sampling 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.

4.2.2 Leak Testing

Leak testing, using a liquid tracer, was performed on each individual soil vapor probe in order 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.

4.2.3 Soil Vapor Sample Collection and Analysis

A battery-operated pump was used to purge each probe. The pump 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 allows 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 used calibrated pumps which allowed for careful monitoring of purge volumes and flow rates. An air-tight 3-way valve was attached to the pump that allowed the purge air to be drawn into the system and then evacuated out the pump's side port. The pump was attached to an in-line vacuum gauge so that probe vacuum could be monitored as the pump drew in the purge vapor. 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. Please note that the pump was used only for purging the soil vapor probes and was not used in the collection of the soil vapor samples.

Soil vapor samples were collected in appropriate gas-tight containers required for the specified analyses. All 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. H&P utilized airtight calibrated glass syringes that were analyzed by their mobile on-site laboratory. The glass syringe was attached via a luer lock connection

to a 3-way valve, which allowed the sample to be drawn into the syringe and then sealed off by rotating the valve. The syringe 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 sample syringe. The plunger was then slowly drawn back at a flow rate of 200 milliliters per minute or less. When the plunger was pulled back and the soil vapor sample had been drawn into the syringe, the valve was shut off at the syringe. The syringe was then disconnected and immediately placed in a black bag with a sealable top to prevent photo-degradation of the target analytes from direct sunlight.

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 submitted to the mobile laboratory for analysis.

Upon submittal to the mobile analytical laboratory, the primary and duplicate glass syringe samples were injected into a gas chromatograph/mass spectrometer (GC/MS) and analyzed for VOCs using EPA Method 8260B.

In addition to standard laboratory control procedures, the recording of purge rates and vacuums, shut-in testing, leak testing, and the collection of one duplicate sample, the mobile analytical laboratory collected and analyzed one ambient blank sample for VOCs using EPA Method 8260B.

Laboratory analytical results for soil vapor samples are summarized in Table 2. Laboratory analytical results and chain-of-custody documentation are provided in Appendix A.

4.2.4 Vapor Probe Abandonment

The soil vapor probe tubing was pulled from each boring after the completion of soil vapor sampling activities. Each location was re-surfaced with asphalt or concrete to match existing grade.

5.0 FINDINGS

5.1 Geology and Hydrogeology

The subject property is located within the northern portions of the San Gabriel Valley located within the Peninsular Range. The San Gabriel Valley is situated between the San Gabriel Mountains to the north, the San Jose Hills to the east, the Santa Ana Mountains to the south, and the Verdugo Mountains to the west. The San Gabriel Valley is dominated by northwest-trending faults and adjacent anticlinal uplifts. The intervening deep synclinal troughs are filled with poorly consolidated Upper Pleistocene and unconsolidated Holocene sediments. Tectonism of the region is dominated by the interaction of the East Pacific Plate and the North American Plate along a transform boundary.

Local geology is characterized by recent age younger alluvium and Pleistocene age older alluvium consisting of poorly consolidated continental sediments. These sediments consist of interbedded sand, silt, and clay in variable proportions with lenses of gravel. They were deposited in large part by coalescing alluvial fans emanating from canyons exiting the southern San Gabriel Mountains north of the subject property. In the site vicinity, older alluvium occurs at grade to a depth of approximately 700 feet (CDWR, 1966), and comprises a more youthful portion of the alluvial fan which has accumulated at the mouth of Monrovia Canyon.

According to Delta Environmental Consultants, Inc.'s report titled, *Site Assessment Report, Former Shell Service Station, 102 W. Huntington Drive, Monrovia, California,* dated October 15, 2004, groundwater is estimated to be encountered over 145 feet bgs beneath the subject property. Based upon SALEM's topographic map interpretation, the general direction of groundwater flow in the vicinity of the subject property is toward the southwest. However, local groundwater level and flow direction may vary due to seasonal fluctuations in precipitation, usage demands, geology, and/or surface topography.

5.2 Field Observations

At the time of SALEM's November 1, 2017 Phase II investigation, the subject property was vacant land. Soil boring locations were selected in an attempt to evaluate the areas at highest risk of experiencing a potential historic release. Borings B-1 through B-5 were installed in the vicinity of the former Shell gasoline service station and borings B-6 through B-8 were installed in the vicinity of the former lumber company, printing facility and automotive service facilities. Soil boring locations are shown on Figure 2.

Soil encountered during drilling activities consisted of light yellowish brown, dry, fine- to coarse-grained sand with trace gravel. Groundwater was not identified in any of the soil borings.

5.3 Analytical Results

Soil analytical results are summarized in Tables 1 and 2 and soil vapor analytical results are summarized in Table 3. Copies of the laboratory reports and chain-of-custody documentation are included in Appendix A.

5.3.1 Soil Analytical Results

Laboratory analytical results for soil were as follows:

- Low concentrations of several Title 22 Metals, consistent with background metal concentrations in California, were detected in each of the four analyzed soil samples (B-1 through B-4).

- Heavy oil-range TPH (carbon range C24 through C36) was detected at a concentration of 8.4 mg/kg in sample B-8 at 5-feet bgs, located near the former lumber company. Diesel- and gasoline-range TPH were not identified above laboratory method detection limits in the analyzed soil samples.

- VOCs were not identified above analytical method detection limits in any of the analyzed soil samples.

5.3.2 Soil Vapor Analytical Results

Laboratory analytical results for soil vapor were as follows:

- Trace concentrations of PCE were detected in each of the samples analyzed with the exception of SV-6 at 5 and 15-feet bgs and SV-5 at 15-feet bgs. Concentrations of PCE ranged from 0.1 µg/L in SV-4 at 5-feet bgs, to 1.1 µg/L in SV-2 at 15-feet bgs.

- No other VOCs were identified above laboratory method detection limits in any of the analyzed soil vapor samples.

- The sampling tracer compound DFA was not detected above laboratory method detection limits in any of the samples.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions and recommendations are based on the observations and data obtained during SALEM's November 1, 2017 investigation at the subject property:

- According to Delta Environmental Consultants, Inc.'s report titled, *Site Assessment Report, Former Shell Service Station, 102 W. Huntington Drive, Monrovia, California*, dated October 15, 2004, groundwater is estimated to be encountered over 145 feet bgs beneath the subject property. Based upon SALEM's topographic map interpretation, the general direction of groundwater flow in the vicinity of the subject property is toward the southwest. However, local groundwater level and flow direction may vary due to seasonal fluctuations in precipitation, usage demands, geology, and/or surface topography.

- SALEM identified the presence of underground piping along the northeastern portion of the subject property during the performance of underground utility screening activities. The piping is likely associated with the historic gasoline service station operations and may require special handling during redevelopment activities.

- SALEM installed two soil borings (B-1 and B-3) to depths of 25 feet bgs and six soil borings (B-2 and B-4 through B-8) to depths of 15 feet bgs during the November 1, 2017 investigation. Generally, soil types consisted of light yellowish brown, dry, fine- to coarse-grained sand with trace gravel. Groundwater was not encountered in any of the soil borings.

- Nested soil vapor wells, with vapor probes at 5 and 15 feet bgs, were installed in six of the eight boring locations (SV-1 through SV-6).

- Low concentrations of several Title 22 Metals, consistent with background metal concentrations in California, were detected in each of the four analyzed soil samples (B-1 through B-4). No soil samples analyzed exceeded TTLCs, or U.S. EPA RSLs for residential soil. In addition, no Title 22 Metal constituents exceeded 10 times their respective STLC, indicating that additional analyses for soluble metals is not necessary for hazardous waste determination purposes.

- VOCs were not detected above laboratory method detection limits in the analyzed soil samples. Data suggests that VOCs are not a COPC at the subject property.

- Heavy oil-range TPH was detected at a concentration of 8.4 mg/kg in the 5-foot bgs sample collected from B-8, located near the former lumber company. The oil-range TPH concentration was well below the CRWQCB - Los Angeles Region screening level of 10,000 mg/kg.

- Diesel- and gasoline-range TPH were not detected above laboratory method detection limits in the analyzed soil samples.

- Data suggests that TPH in soil does not pose a potential risk to human health.

- With the exception of PCE, VOCs were not detected above laboratory analytical method detection limits in any of the soil vapor samples. Trace concentrations of PCE were detected in each of the samples analyzed with the exception of SV-6 at 5 and 15-feet bgs and SV-5 at 15-feet bgs. Concentrations of PCE ranged from 0.1 µg/L in SV-4 at 5-feet bgs, to 1.1 µg/L in SV-2 at 15-feet bgs. The concentrations of PCE were below the calculated commercial/industrial soil vapor

screening level of 2.1 µg/L as established by the California DTSC. Soil vapor analytical results suggest that the historic on-site gasoline station and various automotive service operations do not pose a vapor intrusion risk at the subject property, assuming that the site is redeveloped for commercial and/or industrial use.

Data suggests that soil and soil vapor at the subject property do not pose a potential risk to human health or the environment. No engineering controls (i.e. VOC vapor barrier) will be required during the redevelopment of the subject property. Based on these results, soil generated during redevelopment activities is suitable for unrestricted use and does not contain any constituents of concern in excess of applicable waste disposal thresholds or regulatory agency screening levels.

7.0 LIMITATIONS

This Phase II Environmental Site Assessment Report has been prepared for the exclusive use of Tharaldson Investments and its affiliates. 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. In performing an environmental site assessment, it is understood that a balance must be struck between a reasonable inquiry into the environmental issues and an exhaustive analysis of each conceivable issue of potential concern. 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 the course of 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.

8.0 REFERENCES

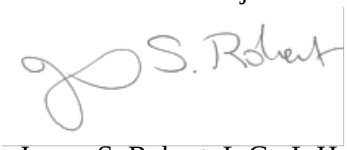
The following list summarizes the references utilized in preparing this report:

- California Regional Water Quality Control Board, *Table 4-1, Maximum Soil Screening Levels for for TPH and BTEX Above Drinking Water Aquifers*, September 2006.
- Department of Toxic Substances Control and Regional Water Quality Control Board, *Soil Gas Advisory*, July 2015.
- Salem Engineering Group, Inc., *AAI Phase I Environmental Site Assessment, Proposed Towneplace Suites Hotel, SWC West Huntington Drive and South Myrtle Avenue, Monrovia, California*, October 31, 2016.

If you have any questions, or if we can be of further assistance, please do not hesitate to contact our office at (909) 980-6455.

Respectfully submitted,
Salem Engineering Group, Inc.

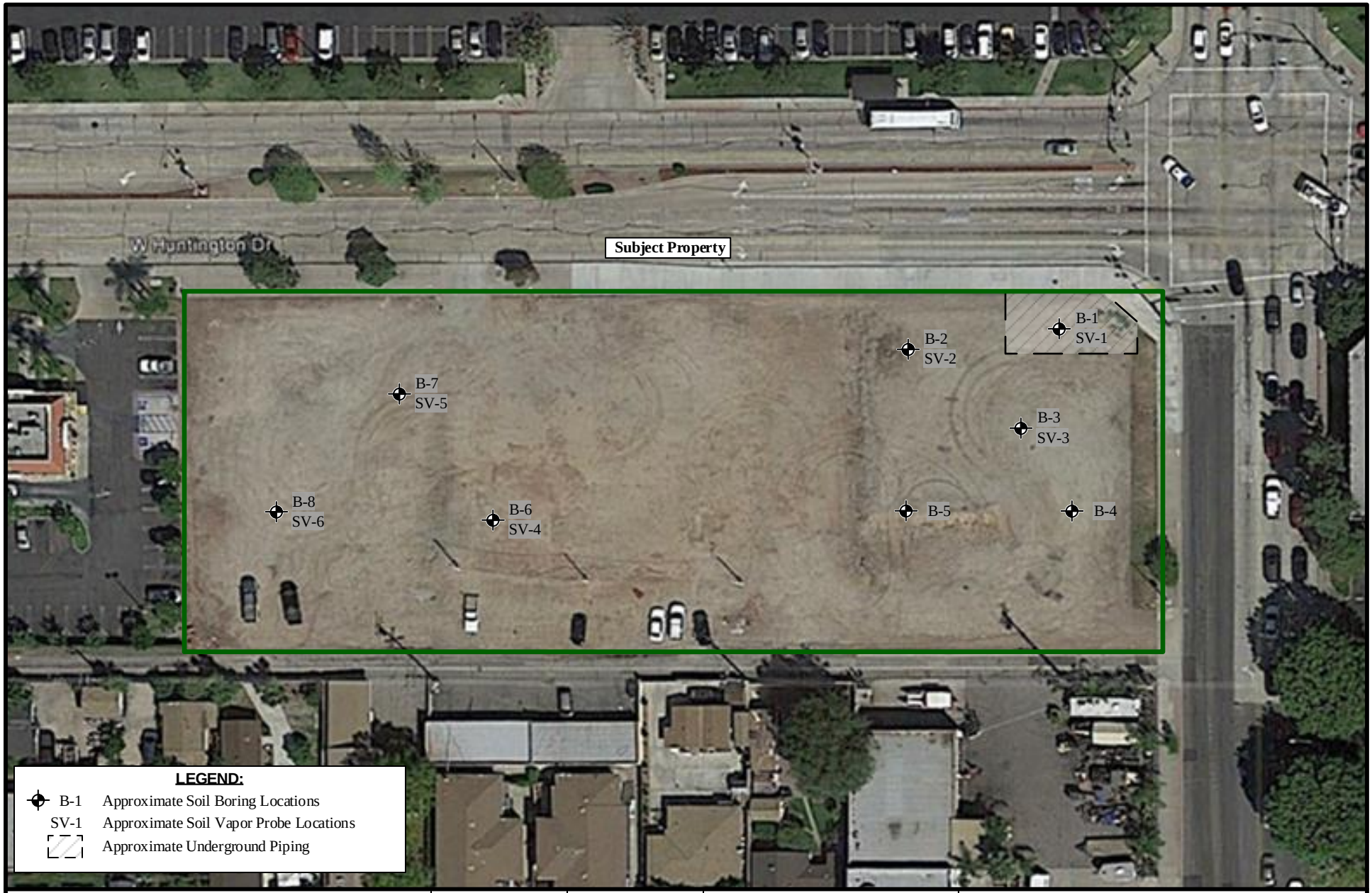
Joe Grippaldi
Environmental Project Manager



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

Figures

SITE LOCATION MAP	SCALE: NTS	DATE: Nov. 2017		SALEM engineering group, inc.
PROPOSED TOWNEPLACE SUITES HOTEL **SWC W. HUNTINGTON DRIVE & S. MYRTLE AVENUE** **MONROVIA, CALIFORNIA**	DRAWN BY: BR	APPROVED BY: JG		
	PROJECT NO. 3-416-1112	FIGURE NO. 1		



SITE PLAN SHOWING SOIL BORING LOCATIONS

PROPOSED TOWNEPLACE SUITES HOTEL
SWC W. HUNTINGTON DRIVE & S. MYRTLE AVENUE
MONROVIA, CALIFORNIA

SCALE:	DATE:
NTS	Nov. 2017
DRAWN BY:	**APPROVED BY:**
BR	JG
PROJECT NO.	**FIGURE NO.**
3-416-1112	2

N

SALEM engineering group, inc.

Tables

TABLE 1

SOIL ANALYTICAL SUMMARY - TPH and VOCs

Proposed Towneplace Suites Hotel

Monrovia, Califronia

Soil Sampling Date	Soil Sample Identification	TPH-G (mg/kg)	TPH-D (mg/kg)	TPH-CRA (mg/kg)	4-Isopropyltoluene (µg/kg)	VOCs* (µg/kg)
CRWQCB-LA Soil Screening Level		500	1,000	10,000	NE	Varies
11/1/17	B-1 @5'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)
11/1/17	B-1 @15'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)
11/1/17	B-1 @20'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)
11/1/17	B-2 @5'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)
11/1/17	B-2 @15'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)
11/1/17	B-3 @5'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)
11/1/17	B-3 @15'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)
11/1/17	B-3 @25'	ND (0.20)	ND (10)	ND (5.0)	30	ND (5.0)
11/1/17	B-4 @5'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)
11/1/17	B-4 @15'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)
11/1/17	B-5 @5'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)
11/1/17	B-5 @15'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)
11/1/17	B-6 @5'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)
11/1/17	B-6 @15'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)
11/1/17	B-7 @5'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)
11/1/17	B-7 @15'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)
11/1/17	B-8 @5'	ND (0.20)	ND (10)	8.4**	ND (5.0)	ND (5.0)
11/1/17	B-8 @15'	ND (0.20)	ND (10)	ND (5.0)	ND (5.0)	ND (5.0)

(µg/kg) = Micrograms per kilogram

(mg/kg) = Milligrams per kilogram

ND = Not detected above stated method detection limit

NE = Not established

TPH-CRA = Total Petroleum Hydrocarbons - carbon range analysis by EPA 8015M

TPH-D = Total Petroleum Hydrocarbons - Diesel by EPA 8015B

TPH-O = Total Petroleum Hydrocarbons - Oil by EPA 8015B

VOCs = Volatile Organic Compounds by EPA 8260B

* = All other VOCs not identified above stated method detection limit

** = C24-C36 carbon range, consistent with oil-range hydrocarbons

TABLE 2

SOIL ANALYTICAL RESULTS - TITLE 22 METALS AND HEXAVALENT CHROMIUM

Proposed Towneplace Suites Hotel

Monrovia, California

Sampling Date	Soil Sample Identification	Barium (mg/kg)	Cobalt (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Lead (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)	All Other Metals*
USEPA Regional Screening Level for Industrial Soil (mg/kg)		220,000	350	1,800,000	47,000	22,000	800	5,800	350,000	Varies
Department of Toxic Substances Control Industrial Screening Level (mg/kg)		NE	NE	170,000**	NE	3,100**	320**	1,000**	NE	Varies
11/1/17	B-1 @5'	60	8.8	13	18	10	15	31	170	Molybdenum (1.0)
11/1/17	B-2 @10'	27	3.3	5.4	9.9	4.1	ND	20	16	Molybdenum (2.2)
11/1/17	B-3 @5'	69	12	25	28	18	ND	43	56	ND
11/1/17	B-4 @10'	31	6.7	18	11	9.6	ND	26	25	ND

(mg/kg) = Milligrams per kilogram

ND = Not detected above stated method detection limit

NE = Not established

* = All other Title 22 metal constituents not detected

** = Non-cancer endpoint

All samples analyzed using EPA Methods 6010B/7471A

TABLE 3

SOIL VAPOR QUALITY DATA, MOBILE LABORATORY, VOLATILE ORGANIC CONSTITUENTS

Proposed Towneplace Suites Hotel

Monrovia, California

Date Sampled	Sample Collection Point	Tetrachloroethene (µg/L)	Volatile Organic Compounds*
11/1/17	B-1 @5'	0.18	ND
11/1/17	B-1 @15'	0.33	ND
11/1/17	B-1 @15' REP	0.25	ND
11/1/17	B-2 @5'	0.38	ND
11/1/17	B-2 @15'	1.10	ND
11/1/17	B-3 @5'	0.26	ND
11/1/17	B-3 @15'	0.38	ND
11/1/17	B-4 @5'	0.10	ND
11/1/17	B-4 @15'	0.22	ND
11/1/17	B-5 @5'	0.21	ND
11/1/17	B-5 @15'	ND (0.08)	ND
11/1/17	B-6 @5'	ND (0.08)	ND
11/1/17	B-6 @15'	ND (0.08)	ND
DTSC Industrial Indoor Air Screening Level (µg/L)		0.0021	Varies
Attenuation Factor		0.001	0.001
Calculated DTSC Commercial/Industrial Soil Vapor Screening Level (µg/L)		2.10	Varies

µg/L = Micrograms per liter air

ND = Not detected above analytical method detection limit

REP = Duplicate sample

All samples analyzed by EPA Method 8260SV by gas chromatograph/mass spectrometer

* = All other volatile organic compounds not detected above respective method detection limits

APPENDIX

A

H&P Mobile Geochemistry, Inc.

November 6, 2017

09 November 2017

Jim Robert
SALEM Engineering Group - WA
2710 169th St SE
Bothell, WA 98012

RE:Monrovia

Work Order No.: 1711027

Attached are the results of the analyses for samples received by the laboratory on 11/02/17 14:20.

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

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.

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-1-5'	1711027-01	Soil	11/01/17 07:36	11/02/17 14:20
B-1-15'	1711027-02	Soil	11/01/17 07:58	11/02/17 14:20
B-1-20'	1711027-03	Soil	11/01/17 08:15	11/02/17 14:20
B-2-5'	1711027-04	Soil	11/01/17 08:41	11/02/17 14:20
B-2-10'	1711027-05	Soil	11/01/17 08:45	11/02/17 14:20
B-2-15'	1711027-06	Soil	11/01/17 08:52	11/02/17 14:20
B-6-5'	1711027-07	Soil	11/01/17 09:11	11/02/17 14:20
B-6-15'	1711027-09	Soil	11/01/17 09:22	11/02/17 14:20
B-8-5'	1711027-10	Soil	11/01/17 09:40	11/02/17 14:20
B-8-15'	1711027-12	Soil	11/01/17 09:52	11/02/17 14:20
B-7-5'	1711027-13	Soil	11/01/17 10:26	11/02/17 14:20
B-7-15'	1711027-15	Soil	11/01/17 10:39	11/02/17 14:20
B-3-5'	1711027-16	Soil	11/01/17 11:08	11/02/17 14:20
B-3-15'	1711027-18	Soil	11/01/17 11:45	11/02/17 14:20
B-3-25'	1711027-20	Soil	11/01/17 12:06	11/02/17 14:20
B-4-5'	1711027-21	Soil	11/01/17 13:40	11/02/17 14:20
B-4-10'	1711027-22	Soil	11/01/17 13:44	11/02/17 14:20
B-4-15'	1711027-23	Soil	11/01/17 13:50	11/02/17 14:20
B-5-5'	1711027-24	Soil	11/01/17 14:06	11/02/17 14:20
B-5-15'	1711027-26	Soil	11/01/17 14:18	11/02/17 14:20

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
TELEPHONE: (949) 348-9389 FAX: (949) 348-9115
E-MAIL: SIERRALABS @ SIERRALABS.NET

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

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' (1711027-01) Soil Sampled: 11/01/17 07:36 Received: 11/02/17 14:20									
Silver	ND	1.0	mg/kg	1	B7K0210	11/02/17	11/03/17 12:29	EPA 6010B	
Arsenic	ND	3.5	"	"	"	"	"	"	
Barium	**60**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.1	"	"	"	"	"	"	
Cadmium	ND	1.3	"	"	"	"	"	"	
Cobalt	**8.8**	1.3	"	"	"	"	"	"	
Chromium	**13**	1.1	"	"	"	"	"	"	
Copper	**18**	1.0	"	"	"	"	"	"	
Mercury	ND	0.05	"	"	B7K0306	11/03/17	11/03/17 14:19	EPA 7471A	
Molybdenum	**1.0**	1.0	"	"	B7K0210	11/02/17	11/03/17 12:29	EPA 6010B	
Nickel	**10**	1.1	"	"	"	"	"	"	
Lead	**15**	4.7	"	"	"	"	"	"	
Antimony	ND	2.5	"	"	"	"	"	"	
Selenium	ND	6.0	"	"	"	"	"	"	
Thallium	ND	2.5	"	"	"	"	"	"	
Vanadium	**31**	2.5	"	"	"	"	"	"	
Zinc	**170**	3.0	"	"	"	"	"	"	
B-2-10' (1711027-05) Soil Sampled: 11/01/17 08:45 Received: 11/02/17 14:20									
Silver	ND	1.0	mg/kg	1	B7K0210	11/02/17	11/03/17 12:29	EPA 6010B	
Arsenic	ND	3.5	"	"	"	"	"	"	
Barium	**27**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.1	"	"	"	"	"	"	
Cadmium	ND	1.3	"	"	"	"	"	"	
Cobalt	**3.3**	1.3	"	"	"	"	"	"	
Chromium	**5.4**	1.1	"	"	"	"	"	"	
Copper	**9.9**	1.0	"	"	"	"	"	"	
Mercury	ND	0.04	"	"	B7K0306	11/03/17	11/03/17 14:19	EPA 7471A	
Molybdenum	**2.2**	1.0	"	"	B7K0210	11/02/17	11/03/17 12:29	EPA 6010B	
Nickel	**4.1**	1.1	"	"	"	"	"	"	
Lead	ND	4.7	"	"	"	"	"	"	
Antimony	ND	2.5	"	"	"	"	"	"	
Selenium	ND	6.0	"	"	"	"	"	"	
Thallium	ND	2.5	"	"	"	"	"	"	
Vanadium	**20**	2.5	"	"	"	"	"	"	
Zinc	**16**	3.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3-5' (1711027-16) Soil Sampled: 11/01/17 11:08 Received: 11/02/17 14:20									
Silver	ND	1.0	mg/kg	1	B7K0210	11/02/17	11/03/17 12:29	EPA 6010B	
Arsenic	ND	3.5	"	"	"	"	"	"	
Barium	**69**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.1	"	"	"	"	"	"	
Cadmium	ND	1.3	"	"	"	"	"	"	
Cobalt	**12**	1.3	"	"	"	"	"	"	
Chromium	**25**	1.1	"	"	"	"	"	"	
Copper	**28**	1.0	"	"	"	"	"	"	
Mercury	ND	0.05	"	"	B7K0306	11/03/17	11/03/17 14:19	EPA 7471A	
Molybdenum	ND	1.0	"	"	B7K0210	11/02/17	11/03/17 12:29	EPA 6010B	
Nickel	**18**	1.1	"	"	"	"	"	"	
Lead	ND	4.7	"	"	"	"	"	"	
Antimony	ND	2.5	"	"	"	"	"	"	
Selenium	ND	6.0	"	"	"	"	"	"	
Thallium	ND	2.5	"	"	"	"	"	"	
Vanadium	**43**	2.5	"	"	"	"	"	"	
Zinc	**56**	3.0	"	"	"	"	"	"	
B-4-10' (1711027-22) Soil Sampled: 11/01/17 13:44 Received: 11/02/17 14:20									
Silver	ND	1.0	mg/kg	1	B7K0210	11/02/17	11/03/17 12:29	EPA 6010B	
Arsenic	ND	3.5	"	"	"	"	"	"	
Barium	**31**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.1	"	"	"	"	"	"	
Cadmium	ND	1.3	"	"	"	"	"	"	
Cobalt	**6.7**	1.3	"	"	"	"	"	"	
Chromium	**18**	1.1	"	"	"	"	"	"	
Copper	**11**	1.0	"	"	"	"	"	"	
Mercury	ND	0.05	"	"	B7K0306	11/03/17	11/03/17 14:19	EPA 7471A	
Molybdenum	ND	1.0	"	"	B7K0210	11/02/17	11/03/17 12:29	EPA 6010B	
Nickel	**9.6**	1.1	"	"	"	"	"	"	
Lead	ND	4.7	"	"	"	"	"	"	
Antimony	ND	2.5	"	"	"	"	"	"	
Selenium	ND	6.0	"	"	"	"	"	"	
Thallium	ND	2.5	"	"	"	"	"	"	
Vanadium	**26**	2.5	"	"	"	"	"	"	
Zinc	**25**	3.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-1-5' (1711027-01) Soil Sampled: 11/01/17 07:36 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 14:43	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*96.8 %*	*60-175*		"	"	"	"	
B-1-15' (1711027-02) Soil Sampled: 11/01/17 07:58 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 11:27	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*100 %*	*60-175*		"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-1-20' (1711027-03) Soil Sampled: 11/01/17 08:15 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 11:39	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*80.4 %*	*60-175*		"	"	"	"	
B-2-5' (1711027-04) Soil Sampled: 11/01/17 08:41 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 14:19	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*98.0 %*	*60-175*		"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2-15' (1711027-06) Soil Sampled: 11/01/17 08:52 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 11:52	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*91.2 %*	*60-175*		"	"	"	"	
B-6-5' (1711027-07) Soil Sampled: 11/01/17 09:11 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 12:04	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*61.6 %*	*60-175*		"	"	"	"	

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SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-6-15' (1711027-09) Soil Sampled: 11/01/17 09:22 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 12:16	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*106 %*	*60-175*		"	"	"	"	
B-8-5' (1711027-10) Soil Sampled: 11/01/17 09:40 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 14:56	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	**2.7**	1.0	"	"	"	"	"	"	
C28 <= HC < C32	**4.4**	1.0	"	"	"	"	"	"	
HC >= C32	**1.3**	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	**8.4**	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*86.0 %*	*60-175*		"	"	"	"	

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SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-8-15' (1711027-12) Soil Sampled: 11/01/17 09:52 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 12:28	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*94.4 %*	*60-175*		"	"	"	"	
B-7-5' (1711027-13) Soil Sampled: 11/01/17 10:26 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 12:41	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*94.8 %*	*60-175*		"	"	"	"	

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SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-7-15' (1711027-15) Soil Sampled: 11/01/17 10:39 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 12:53	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*95.6 %*	*60-175*		"	"	"	"	
B-3-5' (1711027-16) Soil Sampled: 11/01/17 11:08 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 13:05	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*90.4 %*	*60-175*		"	"	"	"	

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SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3-15' (1711027-18) Soil Sampled: 11/01/17 11:45 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 13:17	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*100 %*	*60-175*		"	"	"	"	
B-3-25' (1711027-20) Soil Sampled: 11/01/17 12:06 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 13:30	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*76.4 %*	*60-175*		"	"	"	"	

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SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-4-5' (1711027-21) Soil Sampled: 11/01/17 13:40 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 13:54	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*110 %*	*60-175*		"	"	"	"	
B-4-15' (1711027-23) Soil Sampled: 11/01/17 13:50 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 14:31	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*102 %*	*60-175*		"	"	"	"	

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SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-5-5' (1711027-24) Soil Sampled: 11/01/17 14:06 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 14:06	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*88.8 %*	*60-175*		"	"	"	"	
B-5-15' (1711027-26) Soil Sampled: 11/01/17 14:18 Received: 11/02/17 14:20									
HC < C8	ND	1.0	mg/kg	1	B7K0829	11/06/17	11/07/17 13:42	EPA 8015B	
C8 <= HC < C9	ND	1.0	"	"	"	"	"	"	
C9 <= HC < C10	ND	1.0	"	"	"	"	"	"	
C10 <= HC < C11	ND	1.0	"	"	"	"	"	"	
C11 <= HC < C12	ND	1.0	"	"	"	"	"	"	
C12 <= HC < C14	ND	1.0	"	"	"	"	"	"	
C14 <= HC < C16	ND	1.0	"	"	"	"	"	"	
C16 <= HC < C18	ND	1.0	"	"	"	"	"	"	
C18 <= HC < C20	ND	1.0	"	"	"	"	"	"	
C20 <= HC < C24	ND	1.0	"	"	"	"	"	"	
C24 <= HC < C28	ND	1.0	"	"	"	"	"	"	
C28 <= HC < C32	ND	1.0	"	"	"	"	"	"	
HC >= C32	ND	1.0	"	"	"	"	"	"	
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"	"	"	"	"	"	
Surrogate: o-Terphenyl		*104 %*	*60-175*		"	"	"	"	

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.

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

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' (1711027-01) Soil Sampled: 11/01/17 07:36 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/07/17 23:13	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-Chlorotoluene	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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	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	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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.

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

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' (1711027-01) Soil Sampled: 11/01/17 07:36 Received: 11/02/17 14:20									
Naphthalene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/07/17 23:13	EPA 8260B	
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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94.4 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*99.4 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*112 %*		*74-121*	"	"	"	"	
B-1-15' (1711027-02) Soil Sampled: 11/01/17 07:58 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/07/17 23:48	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-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-1-15' (1711027-02) Soil Sampled: 11/01/17 07:58 Received: 11/02/17 14:20									
1,2-Dibromo-3-chloropropane	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/07/17 23:48	EPA 8260B	
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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	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	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-1-15' (1711027-02) Soil Sampled: 11/01/17 07:58 Received: 11/02/17 14:20									
m,p-Xylene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/07/17 23:48	EPA 8260B	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*82.8 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*111 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.4 %*		*74-121*	"	"	"	"	
B-1-20' (1711027-03) Soil Sampled: 11/01/17 08:15 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 00:22	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-Chlorotoluene	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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-1-20' (1711027-03) Soil Sampled: 11/01/17 08:15 Received: 11/02/17 14:20									
trans-1,3-Dichloropropene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 00:22	EPA 8260B	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.0 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.8 %*		*74-121*	"	"	"	"	

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.

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

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' (1711027-04) Soil Sampled: 11/01/17 08:41 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 00:57	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-Chlorotoluene	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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	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	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

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' (1711027-04) Soil Sampled: 11/01/17 08:41 Received: 11/02/17 14:20									
Naphthalene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 00:57	EPA 8260B	
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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.2 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*96.4 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*		*74-121*	"	"	"	"	
B-2-15' (1711027-06) Soil Sampled: 11/01/17 08:52 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 01:32	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-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2-15' (1711027-06) Soil Sampled: 11/01/17 08:52 Received: 11/02/17 14:20									
1,2-Dibromo-3-chloropropane	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 01:32	EPA 8260B	
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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	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	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-2-15' (1711027-06) Soil Sampled: 11/01/17 08:52 Received: 11/02/17 14:20									
m,p-Xylene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 01:32	EPA 8260B	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*84.6 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*112 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.0 %*		*74-121*	"	"	"	"	
B-6-5' (1711027-07) Soil Sampled: 11/01/17 09:11 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 02:07	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-Chlorotoluene	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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-6-5' (1711027-07) Soil Sampled: 11/01/17 09:11 Received: 11/02/17 14:20									
trans-1,3-Dichloropropene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 02:07	EPA 8260B	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*82.2 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*87.8 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*74-121*	"	"	"	"	

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SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-6-15' (1711027-09) Soil Sampled: 11/01/17 09:22 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 02:41	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-Chlorotoluene	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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	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	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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.

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-6-15' (1711027-09) Soil Sampled: 11/01/17 09:22 Received: 11/02/17 14:20									
Naphthalene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 02:41	EPA 8260B	
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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*86.8 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*91.2 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*74-121*		"	"	"	"	
B-8-5' (1711027-10) Soil Sampled: 11/01/17 09:40 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 03:16	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-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-8-5' (1711027-10) Soil Sampled: 11/01/17 09:40 Received: 11/02/17 14:20									
1,2-Dibromo-3-chloropropane	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 03:16	EPA 8260B	
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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	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	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-8-5' (1711027-10) Soil Sampled: 11/01/17 09:40 Received: 11/02/17 14:20									
m,p-Xylene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 03:16	EPA 8260B	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.2 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*86.4 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*74-121*	"	"	"	"	
B-8-15' (1711027-12) Soil Sampled: 11/01/17 09:52 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 03:50	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-Chlorotoluene	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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-8-15' (1711027-12) Soil Sampled: 11/01/17 09:52 Received: 11/02/17 14:20									
trans-1,3-Dichloropropene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 03:50	EPA 8260B	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96.8 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*91.2 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.4 %*		*74-121*	"	"	"	"	

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.

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-7-5' (1711027-13) Soil Sampled: 11/01/17 10:26 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 06:42	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-Chlorotoluene	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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	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	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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.

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-7-5' (1711027-13) Soil Sampled: 11/01/17 10:26 Received: 11/02/17 14:20									
Naphthalene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 06:42	EPA 8260B	
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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	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		*92.2 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.6 %*	*74-121*		"	"	"	"	
B-7-15' (1711027-15) Soil Sampled: 11/01/17 10:39 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 07:16	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-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-7-15' (1711027-15) Soil Sampled: 11/01/17 10:39 Received: 11/02/17 14:20									
1,2-Dibromo-3-chloropropane	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 07:16	EPA 8260B	
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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	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	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-7-15' (1711027-15) Soil Sampled: 11/01/17 10:39 Received: 11/02/17 14:20									
m,p-Xylene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 07:16	EPA 8260B	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*80.6 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*93.8 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*74-121*	"	"	"	"	
B-3-5' (1711027-16) Soil Sampled: 11/01/17 11:08 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 07:51	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-Chlorotoluene	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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

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' (1711027-16) Soil Sampled: 11/01/17 11:08 Received: 11/02/17 14:20									
trans-1,3-Dichloropropene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 07:51	EPA 8260B	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*85.0 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*99.0 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*111 %*		*74-121*	"	"	"	"	

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SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3-15' (1711027-18) Soil Sampled: 11/01/17 11:45 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 08:47	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-Chlorotoluene	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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	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	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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.

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3-15' (1711027-18) Soil Sampled: 11/01/17 11:45 Received: 11/02/17 14:20									
Naphthalene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 08:47	EPA 8260B	
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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*81.4 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*85.8 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*74-121*	"	"	"	"	
B-3-25' (1711027-20) Soil Sampled: 11/01/17 12:06 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 08:47	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-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3-25' (1711027-20) Soil Sampled: 11/01/17 12:06 Received: 11/02/17 14:20									
1,2-Dibromo-3-chloropropane	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 08:47	EPA 8260B	
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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	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	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-3-25' (1711027-20) Soil Sampled: 11/01/17 12:06 Received: 11/02/17 14:20									
m,p-Xylene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 08:47	EPA 8260B	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*87.8 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*88.0 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.0 %*		*74-121*	"	"	"	"	
B-4-5' (1711027-21) Soil Sampled: 11/01/17 13:40 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 08:47	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-Chlorotoluene	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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

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' (1711027-21) Soil Sampled: 11/01/17 13:40 Received: 11/02/17 14:20									
trans-1,3-Dichloropropene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 08:47	EPA 8260B	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*91.2 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*96.0 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.2 %*		*74-121*	"	"	"	"	

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.

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-4-15' (1711027-23) Soil Sampled: 11/01/17 13:50 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 08:47	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-Chlorotoluene	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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	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	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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.

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-4-15' (1711027-23) Soil Sampled: 11/01/17 13:50 Received: 11/02/17 14:20									
Naphthalene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 08:47	EPA 8260B	
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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*85.8 %*	*80-120*		"	"	"	"	
Surrogate: Toluene-d8		*89.8 %*	*81-117*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.6 %*	*74-121*		"	"	"	"	
B-5-5' (1711027-24) Soil Sampled: 11/01/17 14:06 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 08:47	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-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-5-5' (1711027-24) Soil Sampled: 11/01/17 14:06 Received: 11/02/17 14:20									
1,2-Dibromo-3-chloropropane	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 08:47	EPA 8260B	
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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	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	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-5-5' (1711027-24) Soil Sampled: 11/01/17 14:06 Received: 11/02/17 14:20									
m,p-Xylene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 08:47	EPA 8260B	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*85.8 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*89.8 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.6 %*		*74-121*	"	"	"	"	
B-5-15' (1711027-26) Soil Sampled: 11/01/17 14:18 Received: 11/02/17 14:20									
Benzene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 08:47	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-Chlorotoluene	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	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
B-5-15' (1711027-26) Soil Sampled: 11/01/17 14:18 Received: 11/02/17 14:20									
trans-1,3-Dichloropropene	ND	5.0	µg/kg	1	B7K0766	11/07/17	11/08/17 08:47	EPA 8260B	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	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	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	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	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	5.0	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*86.8 %*		*80-120*	"	"	"	"	
Surrogate: Toluene-d8		*90.4 %*		*81-117*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.8 %*		*74-121*	"	"	"	"	

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SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

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 B7K0210 - EPA 3050B										
Blank (B7K0210-BLK1)				Prepared: 11/02/17 Analyzed: 11/03/17						
Antimony	ND	2.5	mg/kg							
Arsenic	ND	3.5	"							
Barium	ND	1.0	"							
Beryllium	ND	1.1	"							
Cadmium	ND	1.3	"							
Chromium	ND	1.1	"							
Cobalt	ND	1.3	"							
Copper	ND	1.0	"							
Lead	ND	4.7	"							
Molybdenum	ND	1.0	"							
Nickel	ND	1.1	"							
Selenium	ND	6.0	"							
Silver	ND	1.0	"							
Thallium	ND	2.5	"							
Vanadium	ND	2.5	"							
Zinc	ND	3.0	"							
LCS (B7K0210-BS1)				Prepared: 11/02/17 Analyzed: 11/03/17						
Antimony	103	2.5	mg/kg	100		103	75-125			
Arsenic	97.3	3.5	"	100		97.3	78-122			
Barium	101	1.0	"	100		101	80-120			
Beryllium	96.8	1.1	"	100		96.8	80-120			
Cadmium	99.8	1.3	"	100		99.8	80-120			
Chromium	100	1.1	"	100		100	80-120			
Cobalt	105	1.3	"	100		105	80-120			
Copper	106	1.0	"	100		106	78-122			
Lead	104	4.7	"	100		104	80-120			
Molybdenum	97.4	1.0	"	100		97.4	80-120			
Nickel	107	1.1	"	100		107	80-120			
Selenium	95.3	6.0	"	100		95.3	76-124			
Silver	99.2	1.0	"	100		99.2	60-140			
Thallium	99.0	2.5	"	100		99.0	80-120			
Vanadium	96.5	2.5	"	100		96.5	80-120			
Zinc	99.2	3.0	"	100		99.2	80-120			

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

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 B7K0210 - EPA 3050B										
LCS Dup (B7K0210-BSD1)				Prepared: 11/02/17 Analyzed: 11/03/17						
Antimony	97.8	2.5	mg/kg	100		97.8	75-125	5.18	20	
Arsenic	94.4	3.5	"	100		94.4	78-122	3.03	20	
Barium	100	1.0	"	100		100	80-120	0.995	20	
Beryllium	97.1	1.1	"	100		97.1	80-120	0.309	20	
Cadmium	100	1.3	"	100		100	80-120	0.200	20	
Chromium	100	1.1	"	100		100	80-120	0.00	20	
Cobalt	105	1.3	"	100		105	80-120	0.00	20	
Copper	106	1.0	"	100		106	78-122	0.00	20	
Lead	101	4.7	"	100		101	80-120	2.93	20	
Molybdenum	94.5	1.0	"	100		94.5	80-120	3.02	20	
Nickel	108	1.1	"	100		108	80-120	0.930	20	
Selenium	93.4	6.0	"	100		93.4	76-124	2.01	20	
Silver	90.5	1.0	"	100		90.5	60-140	9.17	40	
Thallium	98.8	2.5	"	100		98.8	80-120	0.202	20	
Vanadium	96.2	2.5	"	100		96.2	80-120	0.311	20	
Zinc	101	3.0	"	100		101	80-120	1.80	20	
Matrix Spike (B7K0210-MS1)		**Source: 1711027-01**		Prepared: 11/02/17 Analyzed: 11/03/17						
Antimony	111	2.5	mg/kg	97.3	ND	114	60-140			
Arsenic	93.2	3.5	"	97.3	ND	95.8	70-130			
Barium	155	1.0	"	97.3	60	97.6	70-130			
Beryllium	92.8	1.1	"	97.3	0.21	95.2	70-130			
Cadmium	93.7	1.3	"	97.3	0.26	96.0	70-130			
Chromium	106	1.1	"	97.3	13	95.6	70-130			
Cobalt	105	1.3	"	97.3	8.8	98.9	70-130			
Copper	119	1.0	"	97.3	18	104	70-130			
Lead	105	4.7	"	97.3	15	92.5	70-130			
Molybdenum	87.5	1.0	"	97.3	1.0	88.9	70-130			
Nickel	109	1.1	"	97.3	10	102	70-130			
Selenium	89.4	6.0	"	97.3	ND	91.9	70-130			
Silver	86.7	1.0	"	97.3	0.12	89.0	60-140			
Thallium	92.9	2.5	"	97.3	ND	95.5	70-130			
Vanadium	124	2.5	"	97.3	31	95.6	70-130			
Zinc	289	3.0	"	97.3	170	122	70-130			

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

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 B7K0210 - EPA 3050B										
Matrix Spike Dup (B7K0210-MSD1)	**Source: 1711027-01**			Prepared: 11/02/17 Analyzed: 11/03/17						
Antimony	111	2.5	mg/kg	97.1	ND	114	60-140	0.00	20	
Arsenic	93.0	3.5	"	97.1	ND	95.8	70-130	0.215	20	
Barium	155	1.0	"	97.1	60	97.8	70-130	0.00	20	
Beryllium	93.8	1.1	"	97.1	0.21	96.4	70-130	1.07	20	
Cadmium	93.9	1.3	"	97.1	0.26	96.4	70-130	0.213	20	
Chromium	106	1.1	"	97.1	13	95.8	70-130	0.00	20	
Cobalt	106	1.3	"	97.1	8.8	100	70-130	0.948	20	
Copper	119	1.0	"	97.1	18	104	70-130	0.00	30	
Lead	105	4.7	"	97.1	15	92.7	70-130	0.00	30	
Molybdenum	87.8	1.0	"	97.1	1.0	89.4	70-130	0.342	20	
Nickel	109	1.1	"	97.1	10	102	70-130	0.00	20	
Selenium	89.8	6.0	"	97.1	ND	92.5	70-130	0.446	20	
Silver	87.0	1.0	"	97.1	0.12	89.5	60-140	0.345	40	
Thallium	93.3	2.5	"	97.1	ND	96.1	70-130	0.430	20	
Vanadium	125	2.5	"	97.1	31	96.8	70-130	0.803	20	
Zinc	290	3.0	"	97.1	170	124	70-130	0.345	20	
Batch B7K0306 - EPA 7471A										
Blank (B7K0306-BLK1)				Prepared & Analyzed: 11/03/17						
Mercury	ND	0.05	mg/kg							
LCS (B7K0306-BS1)				Prepared & Analyzed: 11/03/17						
Mercury	0.15	0.05	mg/kg	0.167		89.8	70-130			
Matrix Spike (B7K0306-MS1)	**Source: 1711027-01**			Prepared & Analyzed: 11/03/17						
Mercury	0.15	0.04	mg/kg	0.143	0.02	90.9	70-130			

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.

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

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 B7K0306 - EPA 7471A										
Matrix Spike Dup (B7K0306-MSD1)	**Source: 1711027-01**			Prepared & Analyzed: 11/03/17						
Mercury	0.15	0.04	mg/kg	0.143	0.02	90.9	70-130	0.00	30	

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.

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

Total Petroleum Hydrocarbons Carbon Range Analysis 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 B7K0829 - EPA 3550B Solid Ext										
Blank (B7K0829-BLK1)				Prepared: 11/06/17 Analyzed: 11/07/17						
HC < C8	ND	1.0	mg/kg							
C8 <= HC < C9	ND	1.0	"							
C9 <= HC < C10	ND	1.0	"							
C10 <= HC < C11	ND	1.0	"							
C11 <= HC < C12	ND	1.0	"							
C12 <= HC < C14	ND	1.0	"							
C14 <= HC < C16	ND	1.0	"							
C16 <= HC < C18	ND	1.0	"							
C18 <= HC < C20	ND	1.0	"							
C20 <= HC < C24	ND	1.0	"							
C24 <= HC < C28	ND	1.0	"							
C28 <= HC < C32	ND	1.0	"							
HC >= C32	ND	1.0	"							
Total Petroleum Hydrocarbons (C7-C36)	ND	5.0	"							
Surrogate: o-Terphenyl	*2.03*		*"*	*2.50*		*81.2*	*60-175*			
LCS (B7K0829-BS1)				Prepared: 11/06/17 Analyzed: 11/07/17						
Diesel Range Organics (C10-C24)	49.9	5.0	mg/kg	50.0		99.8	80-120			
Matrix Spike (B7K0829-MS1)		**Source: 1711027-01**		Prepared: 11/06/17 Analyzed: 11/07/17						
Diesel Range Organics (C10-C24)	36.2	5.0	mg/kg	50.0	ND	72.4	50-150			
Matrix Spike Dup (B7K0829-MSD1)		**Source: 1711027-01**		Prepared: 11/06/17 Analyzed: 11/07/17						
Diesel Range Organics (C10-C24)	37.0	5.0	mg/kg	50.0	ND	74.0	50-150	2.19	30	

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

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 B7K0766 - EPA 5035 P & T										
Blank (B7K0766-BLK1)				Prepared: 11/07/17 Analyzed: 11/08/17						
Benzene	ND	5.0	µg/kg							
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-Chlorotoluene	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	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	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	"							

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

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 B7K0766 - EPA 5035 P & T										
Blank (B7K0766-BLK1)				Prepared: 11/07/17 Analyzed: 11/08/17						
Isopropylbenzene	ND	5.0	µg/kg							
p-Isopropyltoluene	ND	5.0	"							
Methylene chloride	ND	5.0	"							
Methyl tert-butyl ether	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	"							
1,2,3-Trichlorobenzene	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	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
m,p-Xylene	ND	5.0	"							
o-Xylene	ND	5.0	"							
Surrogate: Dibromofluoromethane	*49.4*		*"*	*50.0*		*98.8*	*80-120*			
Surrogate: Toluene-d8	*45.1*		*"*	*50.0*		*90.2*	*81-117*			
Surrogate: 4-Bromofluorobenzene	*52.9*		*"*	*50.0*		*106*	*74-121*			
LCS (B7K0766-BS1)				Prepared: 11/07/17 Analyzed: 11/08/17						
Benzene	45.9	5.0	µg/kg	50.0		91.8	80-120			
Chlorobenzene	48.3	5.0	"	50.0		96.6	80-120			
1,1-Dichloroethene	43.1	5.0	"	50.0		86.2	80-120			
Toluene	56.0	5.0	"	50.0		112	80-120			
Trichloroethene	42.9	5.0	"	50.0		85.8	80-120			

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

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 B7K0766 - EPA 5035 P & T										
Matrix Spike (B7K0766-MS1)	**Source: 1711027-26**			Prepared: 11/07/17	Analyzed: 11/08/17					
Benzene	44.3	5.0	µg/kg	50.0	ND	88.6	37-151			
Chlorobenzene	44.7	5.0	"	50.0	ND	89.4	37-160			
1,1-Dichloroethene	48.1	5.0	"	50.0	ND	96.2	50-150			
Toluene	45.6	5.0	"	50.0	ND	91.2	47-150			
Trichloroethene	45.3	5.0	"	50.0	ND	90.6	71-157			
Matrix Spike Dup (B7K0766-MSD1)	**Source: 1711027-26**			Prepared: 11/07/17	Analyzed: 11/08/17					
Benzene	45.6	5.0	µg/kg	50.0	ND	91.2	37-151	2.89	30	
Chlorobenzene	47.1	5.0	"	50.0	ND	94.2	37-160	5.23	30	
1,1-Dichloroethene	48.7	5.0	"	50.0	ND	97.4	50-150	1.24	30	
Toluene	48.9	5.0	"	50.0	ND	97.8	47-150	6.98	30	
Trichloroethene	45.4	5.0	"	50.0	ND	90.8	71-157	0.221	30	

26052 MERIT CIRCLE SUITE 105, LAGUNA HILLS, CALIFORNIA 92653
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E-MAIL: SIERRALABS @ SIERRALABS.NET

SALEM Engineering Group - WA	Project: Monrovia	
2710 169th St SE	Project Number: 3-416-1112	**Reported:**
Bothell WA, 98012	Project Manager: Jim Robert	11/09/17 09:13

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

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CHAIN OF CUSTODY RECORD

Date: 11 / 1 / 17 Page: 1 of 3

Lab Work Order No.: 1711057

Client: Salem Engineering Group
Client Address: 41650 Mission Park Dr
Rancho Cucamonga CA 91730

Client Tel. No.: 909 980 6455
Client Fax. No.: 909 980 6435
Client Proj. Mgr.: Jim Robert

Client Project ID:
Hawthorne
3-416-1112

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	TPH - Carbon Range 6015M	VOCs 8260B	Title 22 metals 6010B/7471A	Field Point Names / Comments
B-1-5'	01	11/1/17	7:36	soil	ice	1 Sleeve	1	X	X	X	
B-1-15'	02		7:58					X	X		
B-1-20'	03		8:15					X	X		
B-2-5'	04		8:41					X	X		
B-2-10'	05		9:45							X	
B-2-15'	06		9:52					X	X		
B-6-5'	07		9:11					X	X		
B-6-10'	08		9:15								
B-6-15'	09		9:22					X	X		
B-8-5'	10		9:40					X	X		

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

2 Relinquished By: [signature] Date: 11/2/17 Received By: [signature] Date: 11/2/17
Company: Salem Engineering Time: 2:20 Company: Sierra Time: 1445

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

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

Special Instructions:

26 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.

26 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) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location A-8 Socc

Rev: 120321

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

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CHAIN OF CUSTODY RECORD

Date: ___/___/___ Page: 2 of 3

Lab Work Order No.: 1711087

Client: Salem Engineering Group
Client Address: 11650 Mission Park Dr.
Rancho Cucamonga CA 91730

Client Tel. No.: 909 980 6455
Client Fax. No.: 909 980 6435
Client Proj. Mgr.: Jim Robert

Client Project ID: 3-416-1112

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

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	TPH-CRA 8015M	VOCs 8260B	Title 22 metals 6010B/7471A	Geotracker EDD Info: Client LOGCODE / Site Global ID / Field Point Names / Comments
B-6-10'	11	11/1/17	9:44	soil	ice	sleeve	1				
B-6-15'	12		9:52					Y	Y		
B-7-5'	13		10:26					Y	Y		
B-7-10'	14		10:31								
B-7-15'	15		10:39					Y	Y		
B-3-5'	16		11:08					Y	Y	Y	
B-3-10'	17		11:35					NO			
B-3-15'	18		11:46					Y	Y		
B-3-20'	19		12:06								
B-3-25'	20		12:17					Y	Y		

[1] Sampler Signature: _____ Shipped Via: _____
Printed Name: Joe Grippaldi (Carrier/Waybill No.) _____

[2] Relinquished By: _____ Date: 11/2/17 Received By: _____ Date: 11/2/17
Company: Salem Time: 7:20 Company: Sierra Time: 1450

[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

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

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

FOR LABORATORY USE ONLY - Sample Receipt Conditions:
☑ Intact ☑ Chilled - Temp (°C) 4.0
☐ Sample Seals ☐ Preservatives - Verified By ____
☑ Properly Labelled ☐ Other ____
☑ Appropriate Sample Container ☑ Storage Location ABSOC

Rev: 120321

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

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CHAIN OF CUSTODY RECORD

Date: ___/___/___ Page: 3 of 3

Lab Work Order No.: 1711087

Client: Salem Engineering Group
Client Address: 11651 Myers Park Dr.
Rancho Cucamonga CA 91730
Client Tel. No.:
Client Fax. No.:
Client Proj. Mgr.:

Client Project ID: 3-416-1112

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

Analyses Requested

Client Sample ID.	Sierra No.	Date	Time	Matrix	Preservative	Container Type	No. of Containers	TPH-CRA 8015M	VOCs 8260B	Title 22 metals 6010B/7471A	Geotracker EDD Info: / Client LOGCODE / Site Global ID / Field Point Names / Comments
B-4-5	21	11/1/17	1:40	Soil	ice	sleeve	1	Y	Y		
B-4-10	22		1:44							Y	
B-4-15	23		1:50					Y	Y		
B-5-5	24		2:06					Y	Y		
B-5-10	25		2:10								
B-5-15	26		2:18					Y	Y		

1 Sampler Signature: Joe Grippaldi
Printed Name: Joe Grippaldi
Shipped Via:
(Carrier Waybill No.)

2 Relinquished By: Joe Grippaldi Date: 11/2/17 Time: 8:20 Company: Salem
Received By: Steven Date: 11/2/17 Time: 1600

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

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

Special Instructions:

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.

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) 4.0
☐ Sample Seals ☐ Preservatives - Verified By
☑ Properly Labelled ☐ Other
☑ Appropriate Sample Container ☑ Storage Location A-8 Secure

Rev: 120321

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

H&P Mobile Geochemistry, Inc.

November 6, 2017

Mobile
Geochemistry Inc.

06 November 2017

Mr. Jim Robert
SALEM Engineering Group, Inc.
11650 Mission Park Drive, Suite 108
Rancho Cucamonga, CA 91730

H&P Project: SLM110117-L6
Client Project: 3-416-1112/ 102 W Huntington Dr.

Dear Mr. 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 01-Nov-17 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,

Janis La Roux
Laboratory Director

H&P Mobile Geochemistry, Inc. is certified under the California ELAP and the National Environmental Laboratory Accreditation Conference (NELAC). H&P is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP Program and ISO/IEC 17025:2005 programs, accreditation number 69070 for EPA Method TO-15, H&P Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P Mobile
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SALEM Engineering Group, Inc.	Project:	SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number:	3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager:	Mr. Jim Robert	06-Nov-17 14:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV1-5	E711003-01	Vapor	01-Nov-17	01-Nov-17
SV1-15	E711003-02	Vapor	01-Nov-17	01-Nov-17
SV1-15 REP	E711003-03	Vapor	01-Nov-17	01-Nov-17
SV2-5	E711003-04	Vapor	01-Nov-17	01-Nov-17
SV2-15	E711003-05	Vapor	01-Nov-17	01-Nov-17
SV-4-5	E711003-06	Vapor	01-Nov-17	01-Nov-17
SV-4-15	E711003-07	Vapor	01-Nov-17	01-Nov-17
SV-6-5	E711003-08	Vapor	01-Nov-17	01-Nov-17
SV-6-15	E711003-09	Vapor	01-Nov-17	01-Nov-17
SV-5-5	E711003-10	Vapor	01-Nov-17	01-Nov-17
SV-5-15	E711003-11	Vapor	01-Nov-17	01-Nov-17
SV-3-5	E711003-12	Vapor	01-Nov-17	01-Nov-17
SV-3-15	E711003-13	Vapor	01-Nov-17	01-Nov-17

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

DETECTIONS SUMMARY

Sample ID: **SV-1-5** Laboratory ID: **E711003-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.18**	0.08	ug/l	H&P 8260SV	

Sample ID: **SV-1-15** Laboratory ID: **E711003-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.33**	0.08	ug/l	H&P 8260SV	

Sample ID: **SV-1-15 REP** Laboratory ID: **E711003-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.25**	0.08	ug/l	H&P 8260SV	

Sample ID: **SV-2-5** Laboratory ID: **E711003-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.38**	0.08	ug/l	H&P 8260SV	

Sample ID: **SV-2-15** Laboratory ID: **E711003-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**1.1**	0.08	ug/l	H&P 8260SV	

Sample ID: **SV-4-5** Laboratory ID: **E711003-06**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.10**	0.08	ug/l	H&P 8260SV	

Sample ID: **SV-4-15** Laboratory ID: **E711003-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.22**	0.08	ug/l	H&P 8260SV	

Sample ID: **SV-6-5** Laboratory ID: **E711003-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Sample ID: **SV-6-15** Laboratory ID: **E711003-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-5-5** Laboratory ID: **E711003-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.21**	0.08	ug/l	H&P 8260SV	

Sample ID: **SV-5-15** Laboratory ID: **E711003-11**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV-3-5** Laboratory ID: **E711003-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.26**	0.08	ug/l	H&P 8260SV	

Sample ID: **SV-3-15** Laboratory ID: **E711003-13**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.38**	0.08	ug/l	H&P 8260SV	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-1-5 (E711003-01) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	**0.18**	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-1-5 (E711003-01) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
o-Xylene	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.5 %*		*75-125*	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-1-15 (E711003-02) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	**0.33**	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-1-15 (E711003-02) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
o-Xylene	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*75-125*	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

SV-1-15 REP (E711003-03) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	**0.25**	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

H&P Mobile
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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-1-15 REP (E711003-03) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
o-Xylene	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*107 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.2 %*		*75-125*	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-2-5 (E711003-04) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	**0.38**	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-2-5 (E711003-04) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
o-Xylene	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*109 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.6 %*		*75-125*	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-2-15 (E711003-05) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	**1.1**	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-2-15 (E711003-05) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
o-Xylene	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.2 %*		*75-125*	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-4-5 (E711003-06) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	**0.10**	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-4-5 (E711003-06) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
o-Xylene	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.6 %*		*75-125*	"	"	"	"	

H&P Mobile
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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-4-15 (E711003-07) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	**0.22**	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-4-15 (E711003-07) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
o-Xylene	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.7 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*109 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.9 %*		*75-125*	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-6-5 (E711003-08) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	ND	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-6-5 (E711003-08) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
o-Xylene	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.8 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*106 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.8 %*		*75-125*	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-6-15 (E711003-09) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	ND	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-6-15 (E711003-09) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
o-Xylene	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.2 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*103 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.8 %*		*75-125*	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-5-5 (E711003-10) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	**0.21**	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

H&P Mobile
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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-5-5 (E711003-10) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
o-Xylene	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*95.9 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*106 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.4 %*		*75-125*	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-5-15 (E711003-11) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	ND	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-5-15 (E711003-11) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
o-Xylene	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.6 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*111 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*105 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.2 %*		*75-125*	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-3-5 (E711003-12) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	**0.26**	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-3-5 (E711003-12) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
o-Xylene	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*117 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.8 %*		*75-125*	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-3-15 (E711003-13) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	ND	0.04	"	"	"	"	"	"	
Bromomethane	ND	0.40	"	"	"	"	"	"	
Chloroethane	ND	0.40	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.40	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.40	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.40	"	"	"	"	"	"	
Chloroform	ND	0.08	"	"	"	"	"	"	
Bromochloromethane	ND	0.40	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.08	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.08	"	"	"	"	"	"	
Benzene	ND	0.08	"	"	"	"	"	"	
Trichloroethene	ND	0.08	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Bromodichloromethane	ND	0.40	"	"	"	"	"	"	
Dibromomethane	ND	0.40	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
Toluene	ND	0.80	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.40	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.40	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.40	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.40	"	"	"	"	"	"	
Tetrachloroethene	**0.38**	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	ND	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	ND	0.40	"	"	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV-3-15 (E711003-13) Vapor Sampled: 01-Nov-17 Received: 01-Nov-17									
o-Xylene	ND	0.40	ug/l	0.04	EK70107	01-Nov-17	01-Nov-17	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	ND	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.40	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
n-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.40	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	4.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.40	"	"	"	"	"	"	
Naphthalene	ND	0.08	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.40	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*108 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*113 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*108 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.9 %*		*75-125*	"	"	"	"	

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK70107 - EPA 5030										
Blank (EK70107-BLK1)				Prepared & Analyzed: 01-Nov-17						
1,1-Difluoroethane (LCC)	ND	0.40	ug/l							
Dichlorodifluoromethane (F12)	ND	0.40	"							
Chloromethane	ND	0.40	"							
Vinyl chloride	ND	0.04	"							
Bromomethane	ND	0.40	"							
Chloroethane	ND	0.40	"							
Trichlorofluoromethane (F11)	ND	0.40	"							
1,1-Dichloroethene	ND	0.40	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.40	"							
Methylene chloride (Dichloromethane)	ND	0.40	"							
Methyl tertiary-butyl ether (MTBE)	ND	0.40	"							
trans-1,2-Dichloroethene	ND	0.40	"							
1,1-Dichloroethane	ND	0.40	"							
2,2-Dichloropropane	ND	0.40	"							
cis-1,2-Dichloroethene	ND	0.40	"							
Chloroform	ND	0.08	"							
Bromochloromethane	ND	0.40	"							
1,1,1-Trichloroethane	ND	0.40	"							
1,1-Dichloropropene	ND	0.40	"							
Carbon tetrachloride	ND	0.08	"							
1,2-Dichloroethane (EDC)	ND	0.08	"							
Benzene	ND	0.08	"							
Trichloroethene	ND	0.08	"							
1,2-Dichloropropane	ND	0.40	"							
Bromodichloromethane	ND	0.40	"							
Dibromomethane	ND	0.40	"							
cis-1,3-Dichloropropene	ND	0.40	"							
Toluene	ND	0.80	"							
trans-1,3-Dichloropropene	ND	0.40	"							
1,1,2-Trichloroethane	ND	0.40	"							
1,2-Dibromoethane (EDB)	ND	0.40	"							
1,3-Dichloropropane	ND	0.40	"							
Tetrachloroethene	ND	0.08	"							
Dibromochloromethane	ND	0.40	"							

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK70107 - EPA 5030										
Blank (EK70107-BLK1)				Prepared & Analyzed: 01-Nov-17						
Chlorobenzene	ND	0.08	ug/l							
Ethylbenzene	ND	0.40	"							
1,1,1,2-Tetrachloroethane	ND	0.40	"							
m,p-Xylene	ND	0.40	"							
o-Xylene	ND	0.40	"							
Styrene	ND	0.40	"							
Bromoform	ND	0.40	"							
Isopropylbenzene (Cumene)	ND	0.40	"							
1,1,2,2-Tetrachloroethane	ND	0.40	"							
1,2,3-Trichloropropane	ND	0.40	"							
n-Propylbenzene	ND	0.40	"							
Bromobenzene	ND	0.40	"							
1,3,5-Trimethylbenzene	ND	0.40	"							
2-Chlorotoluene	ND	0.40	"							
4-Chlorotoluene	ND	0.40	"							
tert-Butylbenzene	ND	0.40	"							
1,2,4-Trimethylbenzene	ND	0.40	"							
sec-Butylbenzene	ND	0.40	"							
p-Isopropyltoluene	ND	0.40	"							
1,3-Dichlorobenzene	ND	0.40	"							
1,4-Dichlorobenzene	ND	0.40	"							
n-Butylbenzene	ND	0.40	"							
1,2-Dichlorobenzene	ND	0.40	"							
1,2-Dibromo-3-chloropropane	ND	4.0	"							
1,2,4-Trichlorobenzene	ND	0.40	"							
Hexachlorobutadiene	ND	0.40	"							
Naphthalene	ND	0.08	"							
1,2,3-Trichlorobenzene	ND	0.40	"							
Surrogate: Dibromofluoromethane	*2.08*		*"*	*2.00*		*104*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.22*		*"*	*2.00*		*111*	*75-125*			
Surrogate: Toluene-d8	*2.15*		*"*	*2.00*		*107*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1.91*		*"*	*2.00*		*95.6*	*75-125*			

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EK70107 - EPA 5030										
LCS (EK70107-BS1)				Prepared & Analyzed: 01-Nov-17						
Dichlorodifluoromethane (F12)	4.8	0.50	ug/l	5.00		96.2	70-130			
Vinyl chloride	5.5	0.05	"	5.00		109	70-130			
Chloroethane	5.6	0.50	"	5.00		113	70-130			
Trichlorofluoromethane (F11)	6.5	0.50	"	5.00		129	70-130			
1,1-Dichloroethene	5.2	0.50	"	5.00		104	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5.5	0.50	"	5.00		109	70-130			
Methylene chloride (Dichloromethane)	4.9	0.50	"	5.00		98.2	70-130			
trans-1,2-Dichloroethene	5.3	0.50	"	5.00		106	70-130			
1,1-Dichloroethane	5.6	0.50	"	5.00		112	70-130			
cis-1,2-Dichloroethene	5.1	0.50	"	5.00		101	70-130			
Chloroform	6.0	0.10	"	5.00		120	70-130			
1,1,1-Trichloroethane	5.9	0.50	"	5.00		118	70-130			
Carbon tetrachloride	5.6	0.10	"	5.00		111	70-130			
1,2-Dichloroethane (EDC)	6.1	0.10	"	5.00		121	70-130			
Benzene	5.0	0.10	"	5.00		99.2	70-130			
Trichloroethene	5.6	0.10	"	5.00		112	70-130			
Toluene	4.9	1.0	"	5.00		97.0	70-130			
1,1,2-Trichloroethane	5.5	0.50	"	5.00		109	70-130			
Tetrachloroethene	4.6	0.10	"	5.00		92.1	70-130			
Ethylbenzene	4.4	0.50	"	5.00		88.6	70-130			
1,1,1,2-Tetrachloroethane	4.8	0.50	"	5.00		96.2	70-130			
m,p-Xylene	8.7	0.50	"	10.0		87.1	70-130			
o-Xylene	4.5	0.50	"	5.00		89.8	70-130			
1,1,2,2-Tetrachloroethane	4.9	0.50	"	5.00		97.4	70-130			
Surrogate: Dibromofluoromethane	*2.60*		*"*	*2.50*		*104*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.81*		*"*	*2.50*		*112*	*75-125*			
Surrogate: Toluene-d8	*2.71*		*"*	*2.50*		*108*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.31*		*"*	*2.50*		*92.3*	*75-125*			

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SALEM Engineering Group, Inc.	Project: SLM110117-L6	
11650 Mission Park Drive, Suite 108	Project Number: 3-416-1112/ 102 W Huntington Dr.	Reported:
Rancho Cucamonga, CA 91730	Project Manager: Mr. Jim Robert	06-Nov-17 14:28

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

All soil results are reported in wet weight.

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, accreditation number 69070 for EPA Method TO-15, H&P Method TO-15, EPA Method 8260B and H&P 8260SV.

H&P is approved by the State of Arizona as an Environmental Testing Laboratory and Mobile Laboratory, certification numbers AZM758 and AZ0779.

H&P is approved by the State of California as an Environmental Laboratory and Mobile Laboratory in conformance with the Environmental Laboratory Accreditation Program (ELAP) for the category of Volatile and Semi-Volatile Organic Chemistry of Hazardous Waste, certification numbers 2740, 2741, 2743, 2744, 2745, 2754 & 2930.

H&P is approved by the State of Florida Department of Health under the National Environmental Laboratory Accreditation Conference (NELAC) certification number E871100.

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: 11/1/17
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: SALEM Engineering Group, Inc	Project Name / #: 3-4/6-1112
Lab Client Project Manager: Jim Robert	Project Location: 102 W Huntington Dr.
Lab Client Address: 11650 Mission Park Drive Suite 108	Report E-Mail(s):
Lab Client City, State, Zip: Rancho Cucamonga, CA 91730	
Phone Number: 909-980-6455	

Sample Receipt (Lab Use Only)

Date Rec'd: 11/1/17	Control #: 170974:01
H&P Project # SLM110117-L6	
Lab Work Order # E711003	
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Reporting Requirements

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

Turnaround Time

☐ 5-7 day Stnd ☐ 24-Hr Rush
☐ 3-day Rush ☒ Mobile Lab
☐ 48-Hr Rush ☐ Other:____

Sampler Information

Sampler(s): Tam Che
Signature:
Date: 11/1/17

Additional Instructions to Laboratory:

~~EK1701~~ TO
EK711003

** 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	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				
B1-5		11/1/17	10:32	SV	Glass			X						X						
B1-15			11:00					X						X						
B1-15 DUP			11:01					X						X						
B2-5			12:03					X						X						
B2-15			12:23					X						X						
SV-4-5			12:49					X						X						
SV-4-15			13:13					X						X						
SV-6-5			13:40					X						X						
SV-6-15			14:03					X						X						
SV-5-5			14:25					X						X						

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
	Salem	11/1/17	4:20		H&P	11/1/17	

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

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VAPOR / AIR Chain of Custody

DATE: 11/1/17

Lab Client and Project Information

Lab Client/Consultant: SALEM Engineering Group, Inc	Project Name / #: 3-476-1112
Lab Client Project Manager: Jim Cabot	Project Location: 102 W Huntington Dr.
Lab Client Address: 11650 Mission Park Drive 108	Report E-Mail(s):
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

- [ ] 5-7 day Stnd
- [ ] 24-Hr Rush
- [ ] 3-day Rush
- [x] Mobile Lab
- [ ] 48-Hr Rush
- [ ] Other:

Sampler Information

Sampler(s): Tom Chau
Signature:
Date: 11/1/17

Sample Receipt (Lab Use Only)

Date Rec'd: 11/1/17	Control #: 170974.01
H&P Project # SLM110117-L6	
Lab Work Order # EZ11003	
Sample Intact: [ ] Yes [ ] No [ ] See Notes Below	
Receipt Gauge ID:	Temp:
Outside Lab:	
Receipt Notes/Tracking #:	
Lab PM Initials:	

Additional Instructions to Laboratory:

EK70107

** Preferred VOC units (please choose one):*

- [x] 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	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				
SV-5-15		11/1/17	14:50	SV	Glass S.			X						X						
SV-3-5		↓	15:20	↓	↓			X						X						
SV-3-15		↓	15:32	↓	↓			X						X						

Approved/Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:
Tom Chau	Salem	11/1/17	4:20	Clayton	H&P	11/1/17	
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.

FMS004
Revision: 4
Revised: 3/22/2017
Effective: 3/24/2017
Page 1 of 1

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: SLM112017-L6 Date: 11/.17

Site Address: 102 W Huntington Dr Page: 1 of 2

Consultant: SALEM H&P Rep(s): Tom Troy Johnny

Consultant Rep(s): Joe

Reviewed: DB

Scanned: T Torres

Equipment Info
Inline Gauge ID#:
Pump ID#: am

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

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

Resample Key
RS = Resample
RD = for Dilution
RL = for LCC Fail

	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	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	B1-5	257	50	10:32	5	7	1/8	12	2.25	12	2.25	✓	✓	2171	200	10.39	200	0
2	B1-15	247	50	10:00	15	17	1/8	12	2.25	12	2.25	✓	✓	2159	200	10.48	200	0
3	B1-15 Dup	218	50	11:01	15	17	1/8	12	2.25	12	2.25	✓	✓	2209	200	-	200	0
4	B1-15 RD	268	50	11:47	15	17	1/8	12	2.25	12	2.25	✓	✓	2259	200	-	200	0
5	B2-5	232	50	12:03	5	7	1/8	12	1.5	12	1.5	✓	✓	958	200	4.47	200	0
6	B2-15	255	50	12:23	15	17	1/8	12	1.5	6	1.5	✓	✓	726	200	3.38	200	0
7	SV-6-5	249	50	12:49	5	7	1/8	12	1.5	12	1.5	✓	✓	958	200	4.47	200	0
8	SV-6-15	179	50	13:13	15	17	1/8	12	1.5	6	1.5	✓	✓	726	200	3.38	200	0
9	SV-6-5	257	50	13:40	5	7	1/8	12	1.5	12	1.5	✓	✓	958	200	4.47	200	0
10	SV-6-15	218	50	14:03	15	17	1/8	12	1.5	6	1.5	✓	✓	726	200	3.38	200	0
11	SV-5-5	247	50	14:25	5	7	1/8	12	1.5	12	1.5	✓	✓	958	200	4.47	200	0
12	SV-5-15	232	50	14:50	15	17	1/8	12	1.5	6	1.5	✓	✓	726	200	3.38	200	0

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

H&P Mobile Geochemistry Inc.

FMS004
Revision: 4
Revised: 3/22/2017
Effective: 3/24/2017
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Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: SLM110117-LL Date: 11/1/17
Site Address: 102 W Huntington Dr. Page: 2 of 2
Consultant: SALEM H&P Rep(s): Tom, Trey, Johnny
Consultant Rep(s): Joe Reviewed: DB
Scanned: TTorres

Equipment Info
Inline Gauge ID#:
Pump ID#: am

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:

Resample Key
RS = Resample
RD = for Dilution
RL = for LCC Fail

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	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	SV-3-5	268	50	15:20	5	7	1/8	12	1.5	12	1.5	✓	✓	958	200	4:47	200	0
2	SV-3-15	255	50	15:32	15	17	1/8	12	1.5	6	1.5	✓	✓	726	200	3:38	200	0
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

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