Appendix F2

Phase II Soil and Soil Vapor Investigation Report

PHASE II SOIL AND SOIL VAPOR INVESTIGATION REPORT WALMART CHAPMAN SITE 15134 SOUTH VERMONT AVENUE AND 747, 831, 841 AND 861 WEST REDONDO BEACH BOULEVARD LOS ANGELES, CALIFORNIA 90247 (APNS 6120-001-013, 60120-002-001, & 6120-002-002)

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Task 2

This Phase II Soil and Soil Vapor Investigation Report dated November 8, 2016 for the Walmart Chapman site located at 15134 South Vermont Avenue and 747, 831, 841, and 861 West Redondo Beach Boulevard, Los Angeles, California, was prepared and reviewed by the following:

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DISCLAIMER

This report has been prepared specifically for Prologis, Inc, with specific application to investigation of soil and soil vapor for the Walmart Chapman site located at 15134 South Vermont Avenue and 747, 831, 841, and 861 West Redondo Beach Boulevard, in Los Angeles, California. The report has been prepared in accordance with the care and skill generally exercised by reputable professionals, under similar circumstances, in this or similar localities. No other warranty, express or implied, is made as to the professional opinions presented herein. No other party, known or unknown to SCS, is intended as a beneficiary of this work product, its content or information embedded therein. Third parties use this report at their own risk.

Changes in site conditions may occur due to variation in rainfall, temperature, water usage, or other factors. Additional information that was not available to the consultant at the time of this investigation or changes that may occur on the site or in the surrounding area may result in modification to the site that would impact the summary and recommendations presented herein. This report is not a legal opinion.

1 INTRODUCTION

SCS Engineers (SCS) was retained by Prologis, Inc to conduct a soil and soil vapor investigation (Phase II Investigation) at the Walmart Chapman site located at 15134 South Vermont Avenue and 747, 831, 841, and 861 West Redondo Beach Boulevard, in Los Angeles, California (the "Property"). Investigation activities were conducted in accordance with SCS's proposal dated October 14, 2016 (Proposal No. 010903216R2) and change order dated October 20, 2016. A location map for the Property is presented as **Figure 1**.

2 GENERAL BACKGROUND

SCS prepared a Phase I Environmental Site Assessment (ESA) for the Property dated October 2016. The Phase I ESA, finalized concurrently with the Phase II investigation discussed herein, found the following:

- The Property has a complex manufacturing history with extensive chemical use, including a number of known or suspected chemical releases and past remediation efforts. Most of these known or suspected releases have been investigated and, as necessary, remediated to the satisfaction of regulatory agencies (Los Angeles County Fire Department [LACFD] and the Los Angeles Regional Water Quality Control Board [RWQCB]).

- The western portion of the Property was previously occupied by a former ARCO service station and former Virco Manufacturing, Inc. (Virco) which have received closure from the RWQCB. However, residual contamination remains in soil, soil vapor, and groundwater. Given the available information, the former ARCO site located at the southwestern corner of the Property is considered a historical recognized environmental condition (HREC). Management of affected soil at the former ARCO site should be considered during any future redevelopment of this area of the Property. The eastern portion of the Property was formerly occupied by Electricord and is still under investigation with oversight by the RWQCB. Previous investigations have confirmed "residual concentrations" of total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs) in soil and soil vapor, in both remediated and un-remediated areas.

- Heavy oil staining was noted across the southwestern and western sides of the former Virco building slab, in areas that historically housed Virco tube mills and machine/maintenance shops. In some areas, it appeared that oil was seeping upwards through the slab. SCS observed evidence of past borings and abandoned monitoring wells at several locations across the former Virco side of the Property. This is an indication of a large volume of TPH release in the past. Based on the field observations, the oil-stained concrete at the former Virco site is considered a recognized environmental condition (REC).

- A 1950 building permit issued to Virco indicated that an industrial/domestic incinerator was installed outside the southeastern corner of the original Virco building footprint. When the building was expanded it was constructed over the area where the incinerator was located. Industrial incinerators are commonly associated with releases of heavy

metals and other potential contaminants of concern. Therefore, SCS considers the former incinerator (which does not appear to have previously been investigated) to be a REC.

- The eastern half of the Property, including two raised concrete building foundations, was formerly occupied by Pacific Electricord Company (Electricord) and Leviton. Several concrete-filled trenches and sumps were noted at the northern end of the central building slab. Concrete-filled trenches were also noted at the eastern concrete slab. Heavy oil staining was also observed at the central-western portion of the central concrete slab. This staining is also considered a REC.

- Based on the results of previous investigations and remediation, the RWQCB issued a "No Further Action" (NFA) determination for the Virco site SLIC case on September 13, 2011. At least two, and possibly three groundwater monitoring wells are still present at the former Virco portion of the Property. In light of all of the previous information documents reviewed for the former Virco site, including the former ARCO site located at the southwestern corner of the Property, the closure letters issued by the regulatory agency constitute important verification of past remediation efforts. Much of the former Virco site has been investigated to the satisfaction of regulatory authorities and contamination remaining in place is considered a controlled recognized environmental condition (CREC). Based on a review of the information for the former Virco site, however, SCS identified the following RECs:

    - The former incinerator and oil staining on the concrete slab described above.

    - Elevated concentrations of TPH (up to 11,000 milligrams per kilogram [mg/kg]) were identified in the area of boring TB19 located on the west side of the former Virco building. The extent of TPH in the area of TB19 was not defined. This hydrocarbon release is considered a REC.

    - The absence of complete information about the removal of all USTs at the former Virco side of the Property constitutes a REC.

- The former Electricord portion of the Property continues to be investigated under RWQCB oversight. Based on a review of previous investigations and remediation activities at the former Electricord portion of the Property, the following remaining RECs were identified:

    - Oil staining on the concrete pad described above.

    - VOCs in soil vapor at the former Electricord sites were evaluated in 2010 and the cancer risk from vapor intrusion was shown to be below the regulatory screening level ($1x10^{-6}$ cancer risk) for a residential land use scenario. However, as discussed below, the results of this investigation identified PCE in 5-foot soil vapor samples at concentrations up to 21 µg/l. This result is three times higher than the highest 5-foot PCE concentration used for the human health risk assessment (6.2 µg/l), which would result in an approximately $3x10^{-6}$ cancer risk from vapor intrusion using the 2010 methodology. VOC concentrations in groundwater both beneath the former Electricord site, and downgradient of this

site, exceed regulatory screening levels. To address groundwater contamination originating at the former Electricord site, a Remedial Action Plan (RAP) proposed monitored natural attenuation (MNA). The RAP anticipates monitoring will be conducted for an estimated 5 to 8 years until chlorinated VOC concentrations are below their respective MCLs for California drinking water. Based on the available information, the groundwater contamination remaining at the Property constitutes a REC. Any groundwater monitoring wells destroyed at the Property during redevelopment would need to be replaced.

- Samples from borings inside and outside the northern end of the western Electricord building contained chlorinated VOCs (tetrachloroethene (PCE), cis-1,2-dichloroethene, etc.) at concentrations up to 25 µg/kg. Residual contamination in these areas of the Property is considered a REC.

- One previous boring on the northwestern portion of the former Electricord site (TB25) contained 9,200 mg/kg of copper at 15 feet bgs, with negligible copper concentrations at 5 and 10 feet bgs (up to 21 mg/kg). One other boring in this area (TB26) did not contain elevated copper concentrations, but ethylbenzene (up to 100 µg/kg) and xylenes (up to 291 µg/kg) were present indicating that contamination remains in place in this area. This residual contamination also constitutes a REC.

3 GEOLOGIC AND HYDROGEOLOGIC CONDITIONS

PHYSIOGEOGRAPHIC SETTING

According to the U.S. Geological Survey (USGS), Inglewood (1981), California 7.5-minute topographic map, the Property is located to the southwest of the Rosecrans Hills at an elevation of approximately 50 feet above mean sea level. Site topography is generally flat with a regional slope to the southwest, away from the Rosecrans Hills. In the immediate vicinity of the Property, there is a gentle slope to the southeast.

GEOLOGY AND SOILS

The Property is located near the border between the Torrance Plain and the Rosecrans Hills area of the Los Angeles County Coastal Plain. Numerous previous soil and groundwater investigations have been conducted at the Property. Based on a review of several of those reports, including a 2005 Limited Geotechnical Engineering Investigation, the Property is underlain by the Upper Pleistocene age sediments consisting of interbedded layers of clayey silt, silty clay, and silty sand to a depth of 50 feet below ground surface (bgs) (Krazan, 2005). Elsewhere, site-specific geology was described as being predominantly a clay sand mixture in the upper five feet, with underlying zones of sands, sand/clay mixtures, and very fine to coarse sand to depths of 40 feet bgs (Waterstone, 2008). Stiff silt was encountered between 40 and 50 feet bgs.

HYDROGEOLOGY

The Property is situated in the West Coast Basin of the Los Angeles County Coastal Plain. Based on a review of previous investigation reports at the Property, the Gardena aquifer (which correlates with the Gage aquifer elsewhere in the Los Angeles Coastal Plain) is the uppermost aquifer. The Gardena aquifer is located approximately 175 to 220 feet bgs, with the Lynwood and Silverado aquifers located at greater depths. Perched groundwater is present at shallower depths. Groundwater monitoring of on-site monitoring wells shows that first groundwater is present between 30 and 37 feet bgs. Groundwater flows towards the southeast at a gradient of 0.003 feet per foot (Waterstone, 2008). As discussed below, groundwater beneath the Property has been affected by VOC releases from past on-site operations.

4 SITE INVESTIGATION AND ANALYTICAL RESULTS

The Phase II Investigation consisted of soil vapor and soil sampling as described below. Investigation activities were conducted on October 21, 2016. As required by law, SCS pre-marked the proposed sampling points and notified Underground Service Alert (USA) (DigAlert Ticket No. A62921302). Prior to sampling, SCS contracted with Goldak, Inc. (Goldak), of Burbank, California to clear the proposed boring locations to avoid any subsurface utilities prior to initiating drilling activities.

OBJECTIVES

To further assess the nature and extent of contamination and possible development issues, SCS conducted investigation activities as follows:

- Since the last phases of soil vapor survey at the Property were conducted in 2006, SCS conducted a site wide soil vapor survey consisting of 14 locations sampled at 5 feet bgs. Locations were placed across the Property, including in the areas of the former Virco clarifier (SV12), ARCO station (SV13), Electricord Plant 3 (SV1 through SV4), stormwater runoff points (SV5), and others across the Property to confirm current VOC concentrations and to supplement previous studies.

  Note that shallow soils at the Property consist of clayey sediments, and in some previous and the current investigation vapor samples could not be collected due to tight, “no flow” conditions.

- The Phase I ESA site inspection identified areas at both the Virco and Electricord sites where oil appeared to be seeping upwards through building slabs which were only partially investigated, at best, by previous investigations. Therefore, SCS collected:

  - Four concrete cores from the areas of staining (two from Virco [SB8 and SB10] and two from Electricord [SB1 and SB3]) to assess the extent of oily contamination within the concrete and its potential re-use/recycling. Eight concrete samples (avoiding any surface oil residue), from the top and bottom of each core collected at these locations, were analyzed for TPH and polychlorinated biphenyls (PCBs).

- Subslab soil samples were collected from 6 boring locations (3 at Virco [SB8, SB9, and SB10] and 3 at Electricord [SB1, SB2, and SB3]) from depths of approximately 6 inches and 2 and 5 feet below ground surface (bgs). The 6-inch samples were analyzed for PCBs; the 6-inch and 2-foot samples were analyzed for TPH and VOCs, and the 5-foot samples were archived at the laboratory for later analysis, if necessary.

- Soil borings SB13 and SB 14 were placed in the area surrounding Virco Boring TB19 where TPH concentrations were detected at 1,600 milligrams per kilogram (mg/kg), 11,000 mg/kg, and non-detect at 5, 10 and 15 feet bgs, respectively (TEM, 2005). The source of this TPH may have been an UST or the Hazmat Storage in this area, but it appears that this area was not remediated or further investigated. Samples from borings SB13 and SB14 were collected at 5, 10, 15 and 20 feet bgs to further assess the nature and extent of TPH and VOCs in this area.

- Samples from borings in the area of Electricord Plant 3 contained chlorinated VOCs (cis-1,2-DCE, PCE, etc.) at concentrations up to 25 micrograms per kilogram (µg/kg) during investigations by Waterstone in November 2006. Borings SB4 through SB7 (with samples collected at 1, 5, and 10 feet bgs) were drilled in this area to confirm the nature and extent of TPH and VOCs and supplement previous investigations (along with the soil vapor survey).

- Three borings (SB15, SB16, and SB17) were placed in the area of former boring TB25 at the Electricord Plant 3 portion of the Property which contained 9,200 mg/kg of copper at 15 feet bgs, with negligible copper concentrations at 5 and 10 feet bgs (up to 21 mg/kg). One other boring in this area (TB26) did not contain elevated copper, but ethylbenzene and xylene were present indicating another potential source of contamination. Samples were collected from the three borings at 5, 10 and 15 feet bgs to further characterize TPH, VOCs, and metals.

- Historical information identified an industrial incinerator at the Former Virco portion of the Property. Two borings (SB11 and SB12) were placed in this area to assess the potential for contamination by metals and semi-volatile organic compounds (SVOCs).

- In addition, selected soil samples – either with field indications of contamination and/or representative samples from across the Property – were analyzed for SVOCs.

SOIL VAPOR SAMPLING

Under the direction of SCS, H&P Mobile Geochemistry (H&P) of Carlsbad, California installed soil vapor probes at 14 locations (SV1 through SV14) to a depth of 5 feet below grade. Please note that samples collected within the former building footprints were collected through an approximately 3 to 4 foot raised foundation, therefore these samples were collected from a shallower zone that those collected from locations drilled at grade. In addition, as a result of a high initial vacuum, probe SV6 was re-installed at a depth of 3 feet bgs. Soil vapor locations are shown on **Figure 2**.

Soil vapor sampling equipment consisted of hollow steel rods mechanically driven into subsurface soils to the desired depth using a handheld Roto-hammer or direct-push drill rig. The steel rods were retracted from each boring and new (clean) 1/8-inch diameter Nylaflow tubing, with a polypropylene filter placed on the bottom end, was inserted to the desired depth. Clean #2/12 Monterey sand was placed in a 6-inch vertical interval around each filter. A bentonite seal was placed above the sand pack for each probe. The remaining annular space was then backfilled with bentonite and hydrated.

Soil vapor sampling was conducted in general accordance with the *Advisory – Active Soil Gas Investigations*, published by the Regional Water Quality Control Board and Department of Toxic Substance Control in July 2015 (the "Guidance"). Following a minimum of 30 minutes after being set, the probes were purged to remove ambient air from the sampling system and ensure that the collected soil vapor sample was representative of soil conditions. A purge of three volumes of the system was used for all locations. In addition, prior to collecting samples into glass syringes, a leak-check compound (1,1-difluoroethane) was exposed at the surface. Note that the leak-check compound was not detected in any of the analyzed samples.

A total of 15 soil vapor samples (including a replicate sample from SV2) were collected and analyzed for VOCs using EPA Method 8260B in an on-site mobile laboratory provided by H&P. H&P is certified by the California Department of Health Services to conduct the specified analysis. Chain-of-custody documentation was completed in order to accurately track the samples from the point of collection through analysis.

After all samples had been collected and the soil vapor analysis completed, the probes were removed and the surface was patched to match the surrounding surface material. No soil cuttings or water requiring disposal were generated during the soil vapor assessment activities.

Soil Vapor Analytical Results

The H&P laboratory report, chain-of-custody documentation and quality assurance/control (QA/QC) data are included as **Appendix C**.

A total of 13 VOCs were detected in soil vapor. Analytical results are summarized in **Table 1**. PCE was the most prevalent VOC, detected in 11 (including a replicate) of the 15 samples analyzed at concentrations ranging from 0.20 to 21 micrograms per liter (µg/l). Additional chlorinated VOCs detected included trichloroethene (TCE) in 7 samples (0.08 to 0.43 µg/l); cis-1,2-dichloroethene (cis-1,2-DCE) at one location (SV4) at a concentration of 3.8 µg/l; and vinyl chloride in 3 samples (concentrations ranging from 0.07 to 0.17 µg/l). Benzene was detected in ten samples at concentrations ranging from 0.08 to 0.25 µg/l. M,p-Xylene was detected in five samples at concentrations ranging from 0.44 to 23 µg/l. In addition to PCE, sample SV9 contained seven other VOCs not detected in other samples, including ethylbenzene at 2.3 µg/l, o-xylene at 5.8 µg/l, p-isopropyltoluene at 0.44 µg/l, 1,2,4-trimethylbenezene at 24 µg/l, 1,3,5-trimethylbenzene at 12 µg/l, N-propylbenzene at 2.6 µg/l, and isopropylbenzene at 0.96 µg/l.

SOIL SAMPLING AND ANALYSIS

Under the direction of SCS, H&P conducted soil sampling using a truck-mounted direct-push drill rig. A total of 17 soil borings were drilled for the collection of soil samples. Soil samples were collected at six locations (borings SB1 through SB3 and SB8 through SB10) that extended to a depth of 5 feet bgs, with soil samples collected at 0.5-, 2-, and 5-foot intervals. Soil samples were collected at four locations (SB4 and SB7) at 1-foot, 5-foot, and 10-feet bgs. Soil samples were collected at two locations (SB11 and SB 12) at 5-foot and 10-feet bgs. Soil samples were collected at two locations (SB13 and SB14) at 5-foot intervals that extended to a depth of 20 feet bgs. Soil samples were collected from three locations (SB15 through SB17) at 5-foot intervals that extended to a depth of 15 feet bgs. Boring locations are shown on **Figure 2**.

Soil borings were drilled using a truck-mounted direct-push drill rig equipped with a hydraulic hammer and a 2-foot long, 2-inch diameter sampler. A pointed steel tip was fixed to the head of the solid-spoon sampler and driven to the desired sampling depth. Soil matrix samples were collected by retracting the drive tip through the center of the sampler with an inner rod, and hydraulically hammering the sampler an additional two feet. Soil samples were recovered in two-foot long, 1.5-inch diameter pre-cleaned plastic acetate sleeves that had been placed inside the sampler. At each sampling depth, an approximately 6- to 12-inch section was cut from the sample sleeve and preserved for subsequent laboratory analysis. The ends were covered with Teflon squares and sealed with plastic end caps.

A portion of each sample sleeve was observed for soil classification and to screen samples for indications of potential contamination, such as discoloration and odor. One soil sample, SB3 at the 0.5 foot interval, was discolored and had a strong hydrocarbon odor. No other soil samples collected showed signs of contamination in the field. Boring logs recording the lithology observed are provided in **Appendix A**. After soil sample collection, the borings were backfilled with hydrated bentonite and the surface was patched to match the surrounding surface cover.

All soil samples were prepared in the field for analysis of VOCs using EPA Method 5035, which includes the collection of three 5-gram aliquots of soil from each soil sample using a plunger/sub-sampler provided by the laboratory. The three aliquots of soil were immediately placed in 40 milliliter VOA (volatile organic analysis) vials as follows – two aliquots in VOAs with a sodium bisulfate preservative and one in a methanol preservative. The remaining soil in the sleeve was retained for lithology as discussed below. The ends of the sample tubes were covered with Teflon squares, sealed with plastic end caps, and secured with non-volatile tape.

The samples were placed in a chilled ice-chest for transport to Chemtek Environmental Laboratories, Inc (Chemtek) of Santa Fe Springs, California. In total, 41 soil samples were selectively analyzed for VOCs using EPA Method 8260B, 41 soil samples were selected for analysis of TPH using EPA Method 8015M, six soil samples were selected for analysis of polychlorinated biphenyls (PCBs) using EPA Method 8270C, 16 soil samples were selected for analysis of Semi-Volatile Organic Compounds (SVOCs) and 13 soil samples were selected for analysis of CAM-17 metals using EPA Method 6010B. Sample selection considered soil lithology types and field observations.

Chemtek is certified by the California Department of Health Services to conduct the specified analyses. Samples were tracked from the point of collection through the laboratory using proper chain-of-custody protocol.

Soil Analytical Results

The Chemtek laboratory report, chain-of-custody documentation, and quality assurance/quality control (QA/QC) data are included as **Appendix B**.

Analytical results for TPH, VOCs, SVOCs, and PCBs in soil samples are summarized in **Table 2**. As shown, TPH as gasoline and light hydrocarbons (TPH-g [carbon-chain range C_4-C_{12}]) was detected in two soil samples at concentrations of 0.21 and 0.35 mg/kg, equivalent to parts per million (ppm). TPH as diesel (TPH-d [carbon-chain range C_{13}-C_{22}]) was detected in one soil sample, SB3-2', at a concentration of 4,010 mg/kg. Heavy oil-range TPH (TPH-o [carbon-chain range C_{23}-C_{40}]) was also detected in soil sample SB3-2' at a concentration of 15,900 mg/kg. As shown in **Table 2**, PCE was detected in 18 of 41 soil samples. Of those 18 samples with PCE detections, 17 samples had PCE concentrations between 1.29 and 37.2 µg/kg (micrograms per kilogram, equal to parts per billion), and one sample, SB3-0.5', contained PCE at 461 µg/kg. TCE, cis-1,2-dichloroethene (cis-1,2-DCE), acetone, and methyl ethyl ketone (MEK) were each detected in one sample only. TCE and cis-1,2-DCE were detected in SB6-5' at 6.39 µg/kg and 1.36 µg/kg, respectively. Acetone and MEK were detected in SB6-1' at 155 µg/kg and 15.2 µg/kg, respectively. Bis (2-ethylhexyl) phthalate was detected in two samples, SB3-0.5' and SB5-5', at 46,400 and 1,440 µg/kg, respectively. Butyl benzyl phthalate was detected in one sample, SB10-2', at 500 ug/kg. None of the six soil samples analyzed contained detectable concentrations of PCBs.

Analytical results of metals concentrations in selected soil samples are summarized in **Table 3**. The metals detected in samples collected at the Property were barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc. These metals were detected at, or below, concentrations typically found in Southern California soils.

CONCRETE CORE SAMPLING AND ANALYSIS

Under the direction of SCS, RB Concrete (RB) conducted concrete coring using a cart-mounted core drill. Concrete cores, approximately 4 to 6 inches thick, were collected at six locations with oily surface staining; borings SB1 through SB3 and SB8 through SB10. Upon removal of the concrete core, RB used a cut-off saw to slice the concrete cores in half, for a total of 12 samples. The concrete cores were then sealed in a Ziploc bag for transport to Chemtek, and designated "CT" and "CB" for top and bottom samples from each core. No obvious hydrocarbon staining was noted within the cores. Prior to bagging the samples, SCS personnel wiped the accumulated oil from the top surface of each core to simulate any cleaning that might be conducted prior to recycling of the concrete as a part of demolition and site redevelopment. No significant oil was observed on the bottom core samples. At the laboratory, the top and bottom surfaces of each core (i.e., the top of the CT cores and the bottom of the CB cores) were chipped to provide sufficient sample for analysis. The sample chips were crushed to a fine consistency, and then 5

to 10 grams of the crushed samples were processed for each TPH analysis, and approximately 50 grams of crushed samples were processed for each PCB analysis.

In total, 8 concrete core samples (SB1, SB2, SB8 and SB10 – top and bottom cores) were selected for TPH analysis using EPA Method 8015M, and for polychlorinated biphenyls (PCBs) analysis using EPA Method 8082. Sample selection considered field observations and underlying soil lithology. Boring locations are shown on **Figure 2**.

Concrete Core Analytical Results

The Chemtek laboratory report, chain-of-custody documentation, and quality assurance/quality control (QA/QC) data are included as **Appendix B**.

Analytical results for TPH and PCBs are summarized in **Table 2**. As shown, TPH as gasoline and light hydrocarbons (TPH-g [carbon-chain range C_4-C_{12}]) was detected in seven concrete core samples at concentrations ranging from 0.29 to 2.57 milligrams per kilogram (mg/kg), equivalent to parts per million (ppm). TPH as diesel (TPH-d [carbon-chain range C_{13}-C_{22}]) was detected in eight concrete core samples at concentrations ranging from 122 to 11,400 mg/kg. Heavy oil-range TPH (TPH-o [carbon-chain range C_{23}-C_{40}]) was detected in eight concrete core samples at concentrations ranging from 55.9 to 17,500 mg/kg.

Of the eight samples analyzed, only one contained a detectable concentration of PCB. Arochlor 1252 was detected in SB8-CB at a concentration of 0.217 mg/kg.

The results are discussed in greater detail in Section 5.0.

5 REGULATORY LIMITS

VOCS IN SOIL VAPOR

The California Department of Toxic Substances Control (DTSC), Human and Ecological Risk Office (HERO) has issued Human Health Risk Assessment Note Number 3 (Note No. 3), most recently revised in May 2016. HERO Note No. 3 describes DTSC-recommended screening levels (DTSC-Recommended SLs) for use in evaluating human health risks associated with exposure to approximately 800 chemicals in soil, tap water, and air at California sites and facilities. Note No. 3 recommends the use of the U.S. Environmental Protection Agency (EPA) Regional Screening Levels (RSLs; most recently updated in July 2016), except in cases where DTSC has calculated a more stringent screening level or recommended using another screening level (e.g. California Human Health Screening Level [CHHSL]).

Note No. 3 makes recommendations regarding the methodology and use of DTSC-Recommended SLs for soil vapor screening under residential and commercial/industrial land use scenarios. The DTSC-Recommended SLs for soil vapor are intended to supersede the Office of Environmental Health Hazard Assessment (OEHHA) CHHSLs, which are no longer updated by OEHHA or supported by DTSC.

The DTSC-Recommended SLs for evaluating soil vapor intrusion are calculated using indoor air screening levels and recommended attenuation factors. These calculated soil vapor screening levels are for samples collected near the source area either for existing buildings or future buildings (DTSC and CalEPA, October 2011). The term "near the source area" is considered to be at or just above the contaminant source, generally no more than five feet beneath a building foundation. The values calculated using Note No. 3 recommendations are conservative. Chemical concentrations in excess of the calculated DTSC-Recommended SLs are not conclusive evidence of adverse risks to human health. Additional investigation – such as sub-slab sampling, indoor air assessments, site-specific health risk assessments, etc. – may be warranted to further assess site-specific health risks.

The soil vapor results from this investigation are compared to the DTSC-Recommended SLs for **future** sites (the Property is proposed for redevelopment) in **Table 1**.

- PCE was detected in four samples above the DTSC-Recommended SL for commercial/industrial sites of 4.2 µg/l ranging from 7.0 to 21 µg/l. Four samples contained PCE below the DTSC-Recommended SL for commercial/industrial sites but above the residential SL of 0.48 µg/l, with concentrations ranging from 0.66 to 4.1 µg/l. 3 samples contained PCE below its DTSC-Recommended SL for residential sites with concentrations that ranged from 0.12 to 0.20 µg/l.
- TCE was detected in seven samples that were all below its DTSC-Recommended SL for residential sites of 0.48 µg/l, with concentrations ranging from 0.08 to 0.43 µg/l.
- Benzene was detected five samples below its DTSC-Recommended SL for commercial/industrial sites of 0.84 µg/l but above its DTSC-Recommended SL for residential sites of 0.10 µg/l; concentrations ranged from 0.11 to 0.25 µg/l. Four samples contained benzene detections below its DTSC-Recommended SL for residential sites with concentrations ranging from 0.08 to 0.09 µg/l.
- Vinyl chloride was detected in three samples below its DTSC-Recommended SL for commercial/industrial sites of 0.3 µg/l but above its DTSC-Recommended SL for residential sites of 0.01 µg/l. Concentrations of vinyl chloride ranged from 0.07 to 0.17 µg/l.
- M,p-Xylene was detected in five samples at concentrations ranging from 0.44 to 23 µg/l; all below the DTSC-Recommended SL for residential sites of 100 µg/l.
- Cis-1,2-DCE was detected in one sample at a concentration of 3.8 µg/l, which is below the DTSC-Recommended SL for residential sites of 8.3 µg/l.
- Ethylbenzene was detected in one sample at a concentration of 2.3 µg/l, which is below DTSC-Recommended SL for commercial/industrial sites of 10 µg/l but above its DTSC-Recommended SL for residential sites of 1.1 µg/l.
- 1,2,4-Trimethylbenzene was detected in one sample at a concentration of 24 µg/l, which is below its DTSC-Recommended SL for commercial/industrial sites of 62 µg/l but above its DTSC-Recommended SL for residential sites of 7.3 µg/l.
- O-xylene was detected in one sample at a concentration of 5.8 µg/l, well below its DTSC-Recommended SL for residential sites SL of 100 µg/l.
- 1,3,5-Trimethylbenzene was detected in one sample at a concentration of 12 µg/l, well below its DTSC-Recommended SL for residential sites of 42 µg/l.

- N-propylbenzene was detected in one sample at a concentration of 2.6 µg/l, well below its DTSC-Recommended SL for residential sites of 1,000 µg/l.
- Isopropylbenzene was detected in one sample at a concentration of 0.96 µg/l, well below its DTSC-Recommended SL for residential sites SL of 420 µg/l.
- P-isopropyltoluene was detected in one sample at a concentration of 0.44 µg/l. There are no DTSC-Recommend SLs calculated for p-isopropyltoluene.

In summary, PCE was the only VOC detected in soil vapor above its commercial DTSC-Recommended SL (SV1 through SV3, up to 21 µg/l). PCE, vinyl chloride, benzene, ethylbenzene, and 1,2,4-trimethylbenzene were detected in one or more vapor samples at concentrations above their respective residential DTSC-Recommended SLs. All other VOC detections were below their respective residential DTSC-Recommended SLs.

Figure 3 shows the PCE vapor concentrations at 3 to 5 feet bgs at the Property. The higher levels of PCE in former Plant 3 of the former Electricord facility building (SV1 through SV4) at 5 feet indicates that a release occurred in this area. Two additional "hotspots" were located on the former Virco facility, around locations SV8 and SV10. Combined with the soil vapor data from previous investigations, the lateral extent of PCE in soil vapor at 3 to 5 feet bgs has generally been defined.

VOCS AND SVOCS IN SOIL

As described above, HERO Note No. 3 provides DTSC- modified Screening Levels (DTSC-SLs) for soil, tap water, and ambient air for use in evaluating human health risks at hazardous waste sites and permitted facilities. Human health risks associated with contact of contaminated soil (dermal, ingestion, etc.) in California can be assessed by comparing concentrations detected at the Property to the most stringent (or conservative) of these values for each chemical, referred to as the DTSC-Recommended SLs and presented on **Table 2**. As shown in **Table 2**, the concentrations of all VOCs detected were well below their corresponding DTSC-Recommended SLs for soils for residential sites. Therefore, with respect to only soil concentrations, these VOCs do not appear to represent a risk to human health for both residential and industrial/commercial exposure scenarios and would not be a concern to a regulatory agency.

Bis (2-ethylhexyl) phthalate was detected in one sample, SB3-0.5', at a concentration of 46,400 µg/kg, which is below its commercial/industrial SL of 160,000 µg/kg but above its residential SL of 39,000 µg/kg. This SVOC was also detected in one other sample at 500 µg/kg, well below its residential SL. Butyl benzyl phthalate was detected in one sample at a concentration of 500 µg/kg, which is well below its residential SL of 290,000 µg/kg.

TPH IN SOIL AND CONCRETE

The Los Angeles Regional Water Quality Control Board (LARWQCB) has established cleanup guidelines, also known as soil screening levels (SSLs), for assessing soils based on the potential for groundwater contamination (LARWQCB, 1996). Based on the depth to groundwater of approximately 30-37 feet bgs at the Property, the SSLs for petroleum hydrocarbons between 20 and 150 feet above groundwater are:

- TPH-g or gasoline-range hydrocarbons (C_4-C_{12}) – 500 mg/kg
- TPH-d or diesel-range hydrocarbons (C_{13}-C_{22}) – 1,000 mg/kg
- TPH-o or oil/heavy-range hydrocarbons (C_{23}-C_{40}) – 10,000 mg/kg.

As shown in **Table 2,** TPH-g was not detected above its SSL in any of the samples.

TPH-d was detected above its SSL in three samples: soil sample SB3-0.5, and concrete core samples SB8-CT, and SB10-CT. TPH-d was not detected above the reporting limit from samples deeper than 2 feet bgs, indicating the TPH-d is limited to shallow soils.

TPH-o was detected above its SSL in two samples: soil sample SB3-0.5 and concrete core SB10-CT. TPH-o was not detected above the reporting limit from samples deeper than 2 feet bgs, indicating TPH-o is limited to shallow soils.

The presence of TPH-d and TPH-o, although present in some samples above screening levels, does not appear to represent a significant threat to groundwater based on its limited vertical extent.

PCBS IN SOIL AND CONCRETE

Arochlor 1252 was the only PCB detected, and in only one sample (SB9-CB) at a concentration of 0.217 mg/kg, below its residential SL of 0.24 mg/kg. Therefore, PCBs do not appear to represent a risk to human health for both residential and industrial/commercial exposure scenarios and would not be a concern to a regulatory agency.

METALS IN SOIL

The California Department of Toxic Substances Control (DTSC), Human and Ecological Risk Office (HERO) has issued Human Health Risk Assessment Note Number 3 (Note No. 3), most recently revised in June 2016. HERO Note No. 3 provides DTSC-modified Screening Levels (DTSC-SLs) for soil, tap water, and ambient air for use in evaluating human health risks at hazardous waste sites and permitted facilities. For the majority of the approximately 800 listed chemicals, HERO Note No. 3 recommends the use of the U.S. Environmental Protection Agency (EPA) Regional Screening Levels (RSLs; most recently updated in May 2016), except in cases where DTSC has calculated a more stringent screening level (DTSC-SL) or recommended using another screening level (e.g. California Human Health Screening Level [CHHSL]). Human health risks associated with contact of contaminated soil (dermal, ingestion, etc.) in California can be assessed by comparing concentrations detected at the Property to the most stringent (or conservative) of these values for each chemical, referred to as the DTSC-Recommended SLs and presented on **Table 3.**

As shown in **Table 3**, with the possible exception of arsenic, the analytical results for all metal samples collected were below their corresponding DTSC-Recommended SLs for soils at residential and commercial/industrial sites. With regard to arsenic, the US EPA has acknowledged that in some cases, the predictive risk-based models generate SLs that lie within or

even below typical background concentrations. If natural background concentrations are higher than the risk-based SLs, an adjustment of the SL is probably needed. US EPA uses naturally occurring arsenic in soils as an example. Further, the California Department of Toxic Substances Control has acknowledged that the strict use of SLs is impractical and has set acceptable levels of arsenic in soil in the range of 8 to 12 mg/kg for school sites in California. In summary, none of the metals were detected at concentrations that would be of concern to regulatory agencies.

6 CONCLUSIONS AND RECOMMENDATIONS

On October 21, 2016, SCS conducted soil and soil vapor investigations at the Property. The objective of this Investigation was to assess the RECs identified in the Phase I ESA for Walmart Chapman site located at 15134 South Vermont Avenue and 747, 831, 841, and 861 West Redondo Beach Boulevard, in Los Angeles, California. Based on the results of this and previous investigations, SCS concludes the following:

- Previous and current investigations have shown "residual concentrations" of total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs) in soil and soil vapor, in both remediated and un-remediated areas. SCS recommends that a soil management plan (SMP) be prepared that addresses the investigation of any suspected contamination that may be encountered during redevelopment activities. Two SVOCs, bis (2-ethylhexyl) phthalate and butyl benzyl phthalate, were detected in two soil samples. Both detections were below their corresponding DTSC-recommended commercial/industrial land use. Therefore, SVOCs in soil do not appear to represent a risk to human health for commercial/industrial exposures scenarios.

- PCE was detected in soil vapor at concentrations up to 21 µg/l, above its DTSC-recommended SLs of 4.2 µg/l for commercial/industrial land use for future buildings. **Figure 3** shows estimated PCE vapor contours at 3 to 5 feet bgs at the Property. Based on the distribution of PCE in soil vapor, there was a release of PCE in Plant 3 of the former Electricord facility, as well as two additional "hotspots" located in the former Virco facility. SCS recommends that vapor intrusion be evaluated either through a risk assessment or appropriate vapor mitigation system, as appropriate, for future development.

- The metals detected in samples collected at the Property were barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc. These metals were detected at, or below, concentrations typically found in Southern California soils. The analytical results for all metal samples collected were below their corresponding DTSC-Recommended SLs for soils at residential and commercial/industrial sites and do not represent a risk to human health and would not be a concern to a regulatory agency.

- PCBs were not detected in soil samples. One concrete core sample (SB8-CB) contained a trace of Arochlor 1252 (0.217 mg/kg), less than the DTSC- recommended SL for residential use. Therefore, PCBs do not appear to represent a risk to human health for both residential and industrial/commercial exposure scenarios and would not be a concern to a regulatory agency.

- Analysis of concrete core samples indicates that hydrocarbons have penetrated the concrete in areas with visual oil stains, and that concrete contains up to 17,500 mg/kg of TPH-o. SCS recommends that hydrocarbon-impacted concrete be separated from non-impacted concrete and appropriately characterized for disposal.

- TPH-d and TPH-o were detected above their SSLs in one sample, SB3-0.5', at concentrations of 4,010 and 15,900 mg/kg (respectively). The two-foot sample from boring SB3 was not impacted by hydrocarbons. SCS recommends that the impacted soil be removed from the Property and appropriately managed for disposal under the SMP.

7 REFERENCES

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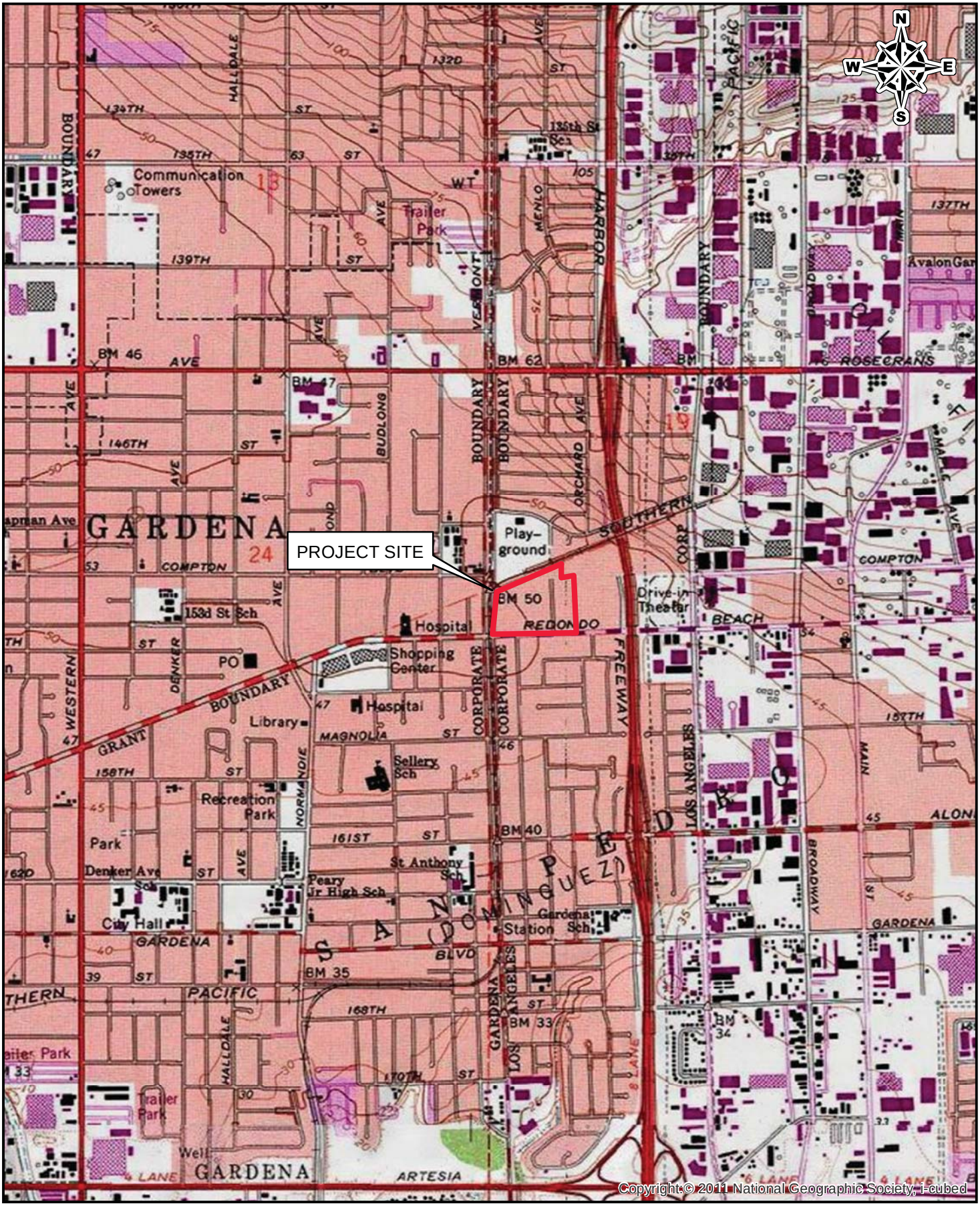
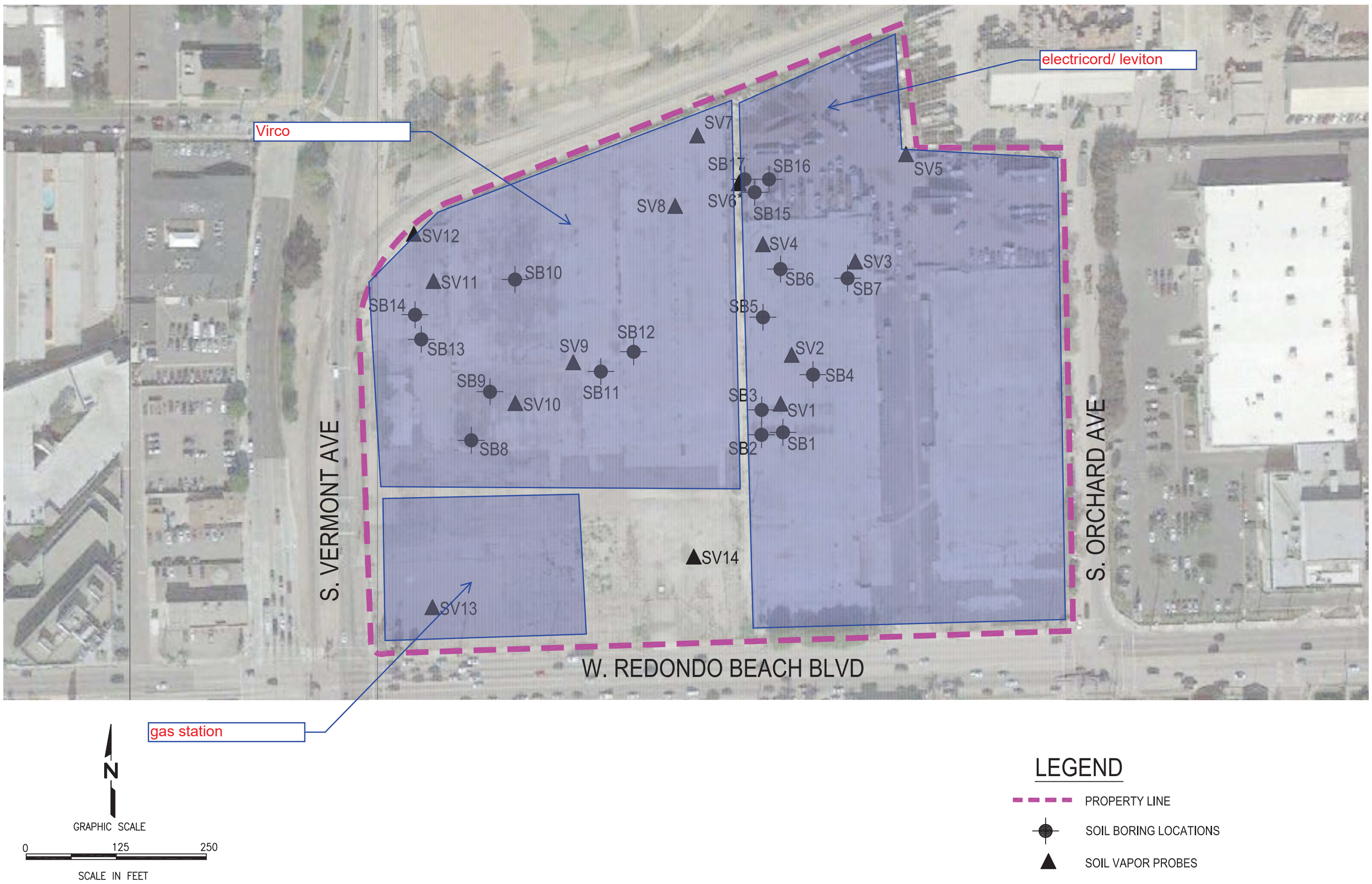
FIGURES 1 THROUGH 3



SCS ENGINEERS 3900 KILROY AIRPORT WAY, STE 100 LONG BEACH, CALIFORNIA 90806-6816	SITE: 15134 South Vermont Avenue Gardena, California 90247	Job No.: 01216285.00 Title: SITE LOCATION MAP	FIGURE 1



SHEET TITLE:
AERIAL IMAGE SHOWING SOIL BORING AND VAPOR PROBE LOCATIONS

PROJECT TITLE:
WALMART CHAPMAN SITE
15134 SOUTH VERMONT AVE AND
747, 831, 841, AND 861 WEST RENDONDO BEACH BLVD

CLIENT:
PROLOGIS, INC
PIER 1, BAY 1
SAN FRANCISCO, CALIFORNIA 94111

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3900 KILROY AIRPORT WAY, SUITE 100
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PROJ. NO. 01216285.00	DWN. BY: C.HERNANDEZ	ACAD FILE: 2016
DSN. BY: SCS	CHK. BY: J.RAUZON	APP. BY: K.GREEN

DATE: OCTOBER 2016

SCALE: 1"=125'

FIGURE NO. 2

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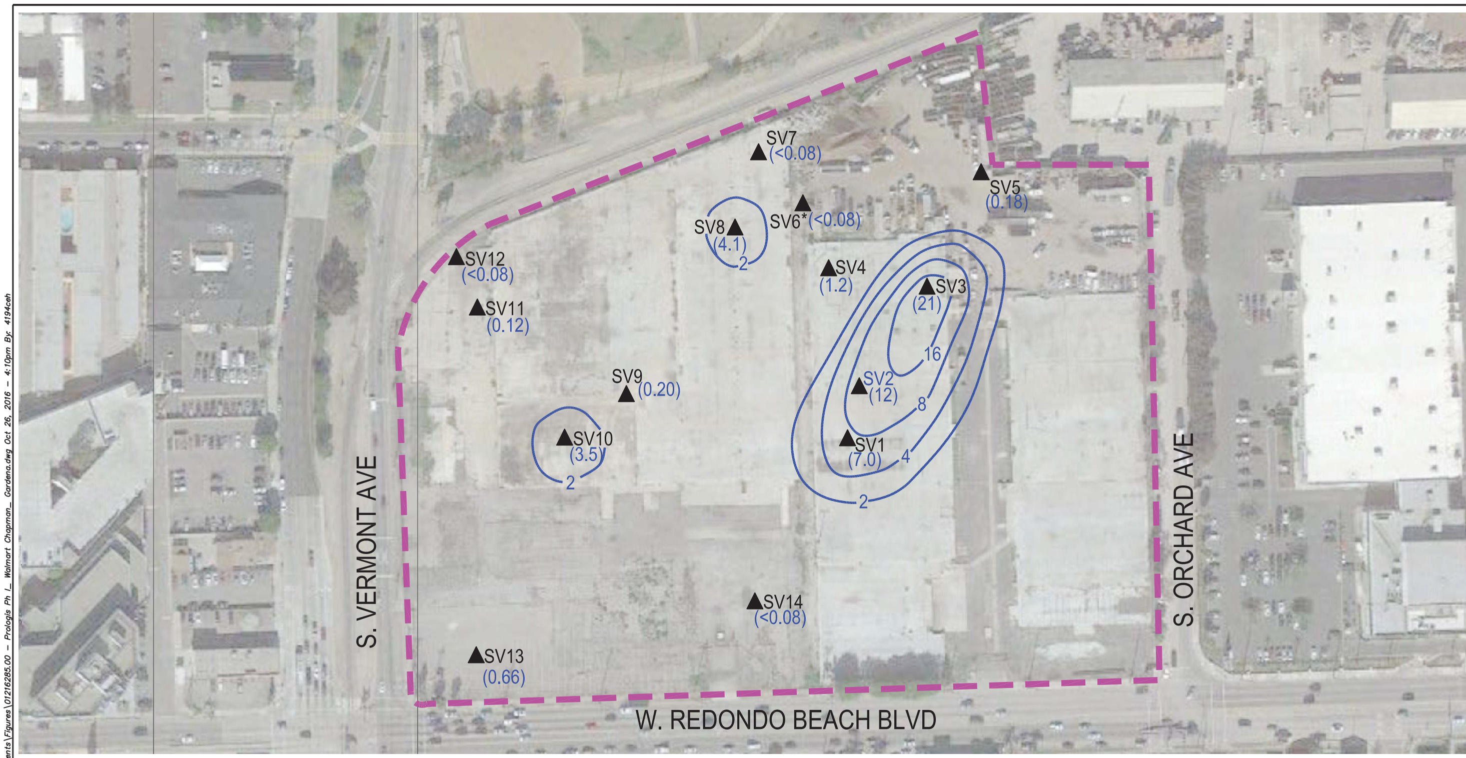

N

GRAPHIC SCALE

0 125 250

SCALE IN FEET

LEGEND

- PROPERTY LINE
- SV10 ▲ SOIL VAPOR PROBES
- (3.5) PCE IN SOIL VAPOR MICROGRAMS PER LITER (ug/L)
- CONTOUR OF TETRACHLOROETHENE (PCE) IN SOL VAPOR

NOTE: PROBES ON BUILDING PADS ARE 3-5 FEET ABOVE GROUND SURFACE
*: SV6 WAS COLLECTED AT A DEPTH OF 3 FEET BELOW GRADE

SHEET TITLE: AERIAL IMAGE SHOWING TETRACHLOROETHENE CONCENTRATIONS IN SOIL VAPOR AT THE 5' DEPTH

PROJECT TITLE: WALMART CHAPMAN SITE
15134 SOUTH VERMONT AVE AND
747, 831, 841, AND 861 WEST RENDONDO BEACH BLVD

CLIENT: PROLOGIS, INC
PIER 1, BAY 1
SAN FRANCISCO, CALIFORNIA 94111

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PROJ. NO. 01216285.00	DWN. BY: C.HERNANDEZ	ACAD FILE: 2016
DSN. BY: SCS	CHK. BY: J.RAUZON	APP. BY: K.GREEN

DATE: OCTOBER 2016

SCALE: 1"=125'

FIGURE NO. 3

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TABLES 1 THROUGH 3

TABLE 1

SUMMARY OF ANALYTICAL RESULTS FOR SOIL VAPOR SURVEY

15134 SOUTH VERMONT AVE AND 747, 831, 841, AND 861 WEST REDONDO BEACH BLVD, CALIFORNIA 90247

Sample Number (or Boring ID)	Sample Depth (feet bgs)	Sampling Date	Volatile Organic Compound (EPA Method 8260SV)												
			Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2-Dichloroethene	Vinyl Chloride	Benzene	Ethylbenzene	m,p-Xylene	o-Xylene	p-Isopropyltoluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	n-Propylbenzene	Isopropylbenzene
			Micrograms per liter (µg/l)												
SV1	5	October 21, 2016	**7.0**	**0.12**	<0.40	<0.04	**0.11**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
SV2			**12**	**0.21**	<0.40	<0.04	<0.08	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
SV2 (Rep)			**9.8**	**0.19**	<0.40	<0.04	**0.08**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
SV3			**21**	**0.43**	<0.40	<0.04	**0.12**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
SV4			**1.2**	**0.14**	**3.8**	**0.17**	**0.15**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
SV5			**0.18**	<0.08	<0.40	<0.04	<0.08	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
SV6	3		<0.08	<0.08	<0.40	**0.08**	<0.08	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
SV7	5		<0.08	<0.08	<0.40	<0.04	<0.08	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
SV8			**4.1**	<0.08	<0.40	<0.04	**0.08**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
SV9			**0.20**	<0.08	<0.40	<0.04	<0.08	**2.3**	**23**	**5.8**	**0.44**	**24**	**12**	**2.6**	**0.96**
SV10			**3.5**	**0.08**	<0.40	<0.04	**0.09**	<0.40	**0.44**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
SV11			**0.12**	<0.08	<0.40	<0.04	**0.12**	<0.40	**0.98**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
SV12			<0.08	<0.08	<0.40	<0.04	**0.08**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
SV13			**0.66**	**0.20**	<0.40	**0.07**	**0.25**	<0.40	**0.46**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
SV14			<0.08	<0.08	<0.40	<0.04	**0.13**	<0.40	**0.48**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
DTSC-Recommended SL (Residential)			0.48	0.48	8.30	0.01	0.10	1.1	100	100	--	7.3	42	1,000	420
DTSC-Recommended SL (Commercial/Industrial)			4.2	6.0	70.0	0.3	0.84	10	880	880	--	62	360	8,800	3,600

Notes:

bgs = below ground surface

DTSC-Recommended SL (Future Building) = Screening Level as recommended in California Department of Toxic Substances Control (DTSC), Office of Human and Ecological Risk (HERO), Human Health Risk Assessment (HHRA) Note No. 3 - Residential and commercial/industrial land use scenarios at a future building (June 2016, Referencing U.S. Environmental Protection Agency Regional Screening Level Reference Summary Table - May 2016).

Three purge volumes were used for all sampling points.

-- = Not Applicable

TABLE 2
SUMMARY OF ANALYTICAL RESULTS FOR SOIL AND CONCRETE SAMPLES - TPH , VOCS, SVOCS, AND PCBS
15134 SOUTH VERMONT AVE AND 747, 831, 841, AND 861 WEST REDONDO BEACH BLVD, CALIFORNIA 90247

Sample Location	Sample Depth (feet bgs)	Date of Collection	TPH (EPA Method 8015M)			Volatile Organic Compounds (EPA Method 8260B)					Semi-Volatile Organic Compounds (EPA Method 8270C)		PCBs
			TPH as Gasoline-range Hydrocarbons (C4 - C12)	TPH as Diesel-range Hydrocarbons (C13 - C22)	TPH as Motor Oil-range Hydrocarbons (C23 - C40)	Tetrachloroethene (PCE)	Trichloroethene (TCE)	cis-1,2 Dichloroethene	Acetone	Methyl ethyl ketone (MEK)	bis (2-Ethylhexyl) Phthalate	Butyl Benzyl Phthalate	Arochlor 1252
			milligrams per kilogram (mg/kg), equivalent to parts per million (ppm)			micrograms per kilogram (µg/kg), equivalent to parts per billion (ppb)							mg/kg
SB1	CT	October 21, 2016	**2.57**	**566**	**2,190**	--	--	--	--	--	--	--	<0.05
	CB		**0.53**	**192**	**860**	--	--	--	--	--	--	--	<0.05
	0.5		<0.20	<5.0	<10	**3.68**	<0.9	<0.9	<90	<9	--	--	<0.05
	2		<0.20	<5.0	<10	**1.40**	<0.9	<0.9	<90	<9	--	--	--
	5		--	--	--	--	--	--	--	--	--	--	--
SB2	CT		--	--	--	--	--	--	--	--	--	--	--
	CB		--	--	--	--	--	--	--	--	--	--	--
	0.5		<0.20	<5.0	<10	**3.59**	<1	<1	<100	<10	--	--	<0.05
	2		<0.20	<5.0	<10	**5.02**	<0.9	<0.9	<90	<9	--	--	--
	5		--	--	--	--	--	--	--	--	--	--	--
SB3	CT		**1.78**	**302**	**1,430**	--	--	--	--	--	--	--	<0.05
	CB		**1.37**	**942**	**3,450**	--	--	--	--	--	--	--	<0.05
	0.5		**0.35**	**4,010**	**15,900**	**461**	<85	<85	<8,500	<850	**46,400**	<20,000	<0.05
	2		<0.20	<5.0	<10	<1	<1	<1	<100	<10	<200	<200	--
	5		--	--	--	--	--	--	--	--	--	--	--
SB4	1		<0.20	<5.0	<10	**6.12**	<1	<1	<100	<10	--	--	--
	5		<0.20	<5.0	<10	**4.79**	<0.9	<0.9	<90	<9	<200	<200	--
	10		<0.20	<5.0	<10	**1.29**	<0.9	<0.9	<90	<9	--	--	--
SB5	1		<0.20	<5.0	<10	**28.1**	<1	<1	<100	<10	--	--	--
	5		<0.20	<5.0	<10	**37.2**	<1	<1	<100	<10	**1,440**	<200	--
	10		<0.20	<5.0	<10	**3.33**	<1	<1	<100	<10	--	--	--
SB6	1		<0.20	<5.0	<10	**10.9**	<1	<1	**155**	**15.2**	--	--	--
	5		<0.20	<5.0	<10	**5.13**	**6.39**	**1.36**	<90	<9	<200	<200	--
	10		<0.20	<5.0	<10	<1	<1	<1	<100	<10	--	--	--
SB7	1		<0.20	<5.0	<10	<1	<1	<1	<100	<10	--	--	--
	5		<0.20	<5.0	<10	**22.5**	<1	<1	<100	<10	<200	<200	--
	10		<0.20	<5.0	<10	<1	<1	<1	<100	<10	--	--	--
SB8	CT		**0.41**	**1,380**	**2,950**	--	--	--	--	--	--	--	<0.05
	CB		**0.29**	**550**	**1,030**	--	--	--	--	--	--	--	**0.217**
	0.5		<0.20	<5.0	<10	<1	<1	<1	<100	<10	--	--	<0.05
	2		<0.20	<5.0	<10	<1	<1	<1	<100	<10	<200	<200	--
	5		--	--	--	--	--	--	--	--	--	--	--
SB9	CT		--	--	--	--	--	--	--	--	--	--	--
	CB		--	--	--	--	--	--	--	--	--	--	--
	0.5		**0.21**	<5.0	<10	<0.9	<0.9	<0.9	<90	<9	--	--	<0.05
	2		<0.20	<5.0	<10	<0.9	<0.9	<0.9	<90	<9	--	--	--
	5		--	--	--	--	--	--	--	--	--	--	--
SB10	CT		**0.66**	**11,400**	**17,500**	--	--	--	--	--	--	--	<0.05
	CB		<0.20	**122**	**55.9**	--	--	--	--	--	--	--	<0.05
	0.5		<0.20	<5.0	<10	<1	<1	<1	<100	<10	--	--	<0.05
	2		<0.20	<5.0	<10	<1	<1	<1	<100	<10	<200	**500**	--
	5		--	--	--	--	--	--	--	--	--	--	--
SB11	5		--	--	--	--	--	--	--	--	<200	<200	--
	10		--	--	--	--	--	--	--	--	<200	<200	--
SB12	5		--	--	--	--	--	--	--	--	<200	<200	--
	10		--	--	--	--	--	--	--	--	<200	<200	--
SB13	5		<0.20	<5.0	<10	<0.8	<0.8	<0.8	<80	<8	<200	<200	--
	10		<0.20	<5.0	<10	<1	<1	<1	<100	<10	--	--	--
	15		<0.20	<5.0	<10	<0.9	<0.9	<0.9	<90	<9	--	--	--
	20		<0.20	<5.0	<10	<1	<1	<1	<100	<10	--	--	--
SB14	5		<0.20	<5.0	<10	<1	<1	<1	<100	<10	<200	<200	--
	10		<0.20	<5.0	<10	<0.9	<0.9	<0.9	<90	<9	--	--	--
	15		<0.20	<5.0	<10	<1	<1	<1	<100	<10	--	--	--
	20		<0.20	<5.0	<10	<1	<1	<1	<100	<10	--	--	--
SB15	5		<0.20	<5.0	<10	**2.28**	<0.9	<0.9	<90	<9	<200	<200	--
	10		<0.20	<5.0	<10	<1	<1	<1	<100	<10	--	--	--
	15		<0.20	<5.0	<10	**3.03**	<1	<1	<100	<10	--	--	--
SB16	5		<0.20	<5.0	<10	**1.32**	<1	<1	<100	<10	--	--	--
	10		<0.20	<5.0	<10	<1	<1	<1	<100	<10	--	--	--
	15		<0.20	<5.0	<10	<1.2	<1.2	<1.2	<120	<12	--	--	--
SB17	5		<0.20	<5.0	<10	**1.30**	<1	<1	<100	<10	<200	<200	--
	10		<0.20	<5.0	<10	<1	<1	<1	<100	<10	--	--	--
	15		<0.20	<5.0	<10	<1	<1	<1	<100	<10	--	--	--
LARWQCB SSLs			500	1,000	10,000	--	--	--		--	--	--	--
DTSC-Recommended SL (Residential)			--	--	--	600	940	19,000	61,000,000	27,000,000	39,000	290,000	0.24
DTSC-Recommended SL (Commercial/Industrial)			--	--	--	2,700	6,000	86,000	670,000,000	190,000,000	160,000	1,200,000	0.97

Notes:

VOCs = Volatile organic compounds

bgs = Below ground surface

LARWQCB SSLs = Los Angeles Regional Water Quality Control Board Soil Screening Levels for soils approximately 20 to 150 feet above groundwater (Interim Site Assessment and Cleanup Guidebook. May 1996).

DTSC-Recommended SL = Screening Level as recommended in California Department of Toxic Substances Control (DTSC), Office of Human and Ecological Risk (HERO), Human Health Risk Assessment (HHRA) Note No. 3 - Residential and industrial/commercial land use scenarios (June 2016, Referencing U.S. Environmental Protection Agency Regional Screening Level Summary Table - May 2016).

-- = Not analyzed or calculated

Note: Highlighted rows are concrete core samples. T and B represent top and bottom of the core, respectively.

TABLE 3

SUMMARY OF ANALYTICAL RESULTS FOR SOIL SAMPLES - METALS

15134 SOUTH VERMONT AVE AND 747, 831, 841, AND 861 WEST REDONDO BEACH BLVD, CALIFORNIA 90247

Sample Number (or Boring ID)	Sample Depth (feet bgs)	Sampling Date	Title 22 Metals (EPA Method 6010B, except Mercury by EPA Method 7471A)															
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Mercury (elemental)	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			Milligrams per kilogram (mg/kg), equivalent to parts per million (ppm)																
SB11	5	October 21, 2016	<2	<2	**74.7**	<1	<1	**12.3**	**8.81**	**35.1**	**13.8**	<0.05	<2	**8.25**	<2	<1	<2	**25.5**	**43.9**
	10		<2	<2	**74.4**	<1	<1	**17.8**	**13.2**	**15.7**	**3.38**	<0.05	<2	**14.6**	<2	<1	<2	**43.9**	**43.9**
SB12	5		<2	<2	**87.9**	<1	<1	**16.8**	**10.5**	**22.8**	**31.6**	<0.05	<2	**11.1**	<2	<1	<2	**31.3**	**91.3**
	10		<2	<2	**130**	<1	<1	**24.1**	**15.1**	**18.4**	**4.30**	<0.05	<2	**19.7**	<2	<1	<2	**52.1**	**48.1**
SB15	5		<2	<2	**135**	<1	<1	**27.9**	**15.7**	**25.3**	**6.49**	<0.05	<2	**19.3**	<2	<1	<2	**55.2**	**72.7**
	10		<2	<2	**120**	<1	<1	**24.3**	**15.4**	**27.3**	**4.46**	<0.05	<2	**18.3**	<2	<1	<2	**51.7**	**59.4**
	15		<2	<2	**180**	<1	<1	**23.1**	**16.2**	**34.8**	**5.77**	<0.05	<2	**19.6**	<2	<1	<2	**50.5**	**68.1**
SB16	5		<2	<2	**206**	<1	<1	**29.6**	**17.9**	**24.6**	**6.31**	<0.05	<2	**20.4**	<2	<1	<2	**53.7**	**64.1**
	10		<2	<2	**103**	<1	<1	**28.8**	**17.9**	**28.4**	**5.72**	<0.05	<2	**22.8**	<2	<1	<2	**55.3**	**65.7**
	15		<2	<2	**182**	<1	<1	**27.8**	**16.1**	**30.8**	**4.97**	<0.05	<2	**21.8**	<2	<1	<2	**55.4**	**74.9**
SB17	5		<2	<2	**218**	<1	<1	**25.4**	**19.4**	**22.2**	**6.57**	<0.05	<2	**19.4**	<2	<1	<2	**53.5**	**61.8**
	10		<2	<2	**137**	<1	<1	**20.2**	**15.3**	**23.5**	**4.45**	<0.05	<2	**17.7**	<2	<1	<2	**47.7**	**53.1**
	15		<2	<2	**164**	<1	<1	**19.1**	**13.4**	**23.1**	**3.90**	<0.05	<2	**15.4**	<2	<1	<2	**43.0**	**58.5**
Typical Range for CA Soils*			0.15-1.95	0.6-11	133-1,400	0.25-2.7	0.05-1.7	23-1,579	2.7-46.9	9.1-96.4	12.4-97.1	0.1-0.9	0.1-9.6	9-509	0.015-0.430	0.1-8.3	0.17-1.1	39-288	88-236
DTSC-Recommended SL (Residential)			31	0.110	15,000	15	5.2	36,000/0.3±	23	3,100	80	1.0	390	490	390	390	0.78	390	23,000
DTSC-Recommended SL (Commercial/Industrial)			470	0.36	220,000	210	7.3	170,000/6.3±	350	47,000	320	4.5	5,800	3,100	5,800	1,500	12	1,000	350,000
TTLC			500	500	10,000	75	100	2,500	8,000	2,500	1,000	20	3,500	2,000	100	500	700	2,400	5,000
STLC**			15	5	100	0.75	1	5	80	25	5	0.2	350	20	1	5	7	24	250
TCLP**			--	5	100	--	1	5	--	--	5	0.2	--	--	1	5	--	--	--

Notes:

bgs = below ground surface

* = Bradford, G.R., Chang, A.C., Page, A.L., Bakhtar, D., Fampton, J.A., and Wright, H., 1996, *Background Concentrations of Trace and Major Elements in California Soils*, Kearney Foundation of Soil Science Special Report, Division of Agriculture and Natural Resources, University of California.

** = Values in milligrams per liter (mg/L)

± = Value for Chromium (III) / Value for Chromium (VI)

DTSC-Recommended SL = Screening Level as recommended in California Department of Toxic Substances Control (DTSC), Office of Human and Ecological Risk (HERO), Human Health Risk Assessment (HHRA) Note No. 3 - Residential and industrial/commercial land use scenarios June 2016, Referencing U.S. Environmental Protection Agency Regional Screening Level Summary Table - May 2016).

TTLC = Total Threshold Limit Concentration as identified in Title 22 of the California Code of Regulations. Wastes with concentrations above this value are considered hazardous for the purposes of disposal under California regulations.

STLC = Soluble Threshold Limit Concentration, in mg/L, as identified in Title 22 of the California Code of Regulations. A concentration of ten times the STLC is sometimes used as a trigger to conduct further analysis (i.e., the soluble analysis) of a sample to determine disposal requirements. Wastes with soluble concentrations above this value are considered hazardous for the purposes of disposal under California regulations.

TCLP = Toxicity Characteristic Leaching Procedure concentration, in mg/L, as identified in the Code of Federal Regulations. Wastes with soluble concentrations above this value are considered hazardous for the purposes of disposal under federal regulations.

APPENDIX A

SOIL BORING LOGS

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB1

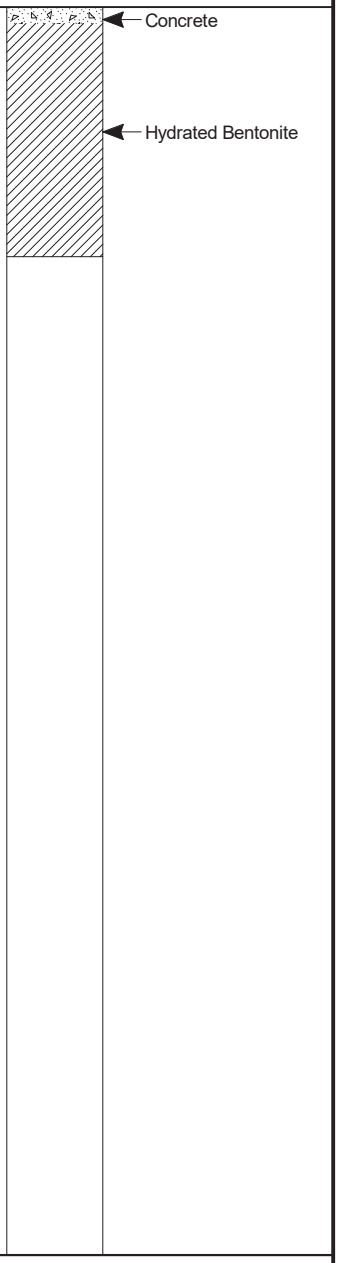
Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0		SB1-0.5		0.2	ML		Dark Brown, Clayey Silt, Slightly Moist.
			SB1-2		0.0	ML		Dark Brown, Clayey Silt, Slightly Moist.
1								
	5		SB1-5		0.0	ML		Dark Brown, Clayey Silt, Slightly Moist.
2								
3	10							
4								
	15							
5								
6	20							
7								
	25							

Completion Detail



Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16** Total Depth: **5.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB2

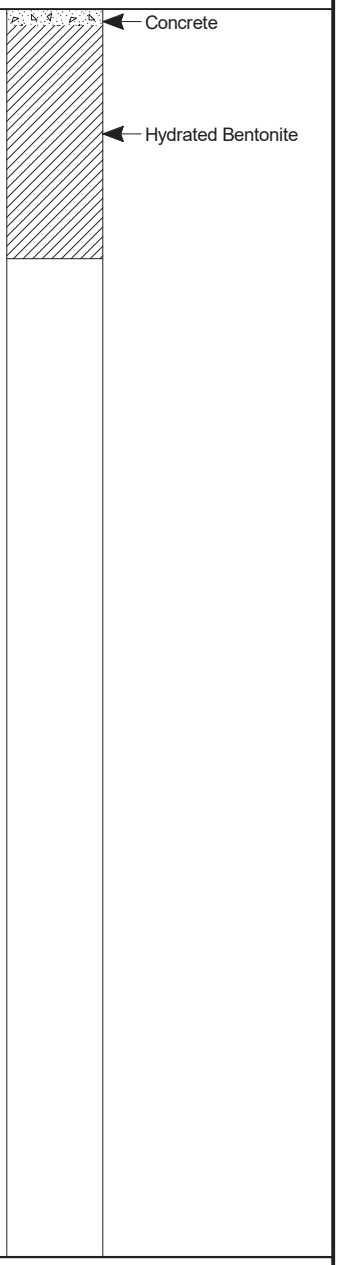
Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0		SB2-0.5		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
			SB2-2		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
1								
	5		SB2-5		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
2								
3	10							
4								
	15							
5								
6	20							
7								
	25							

Completion Detail



Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16** Total Depth: **5.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB3

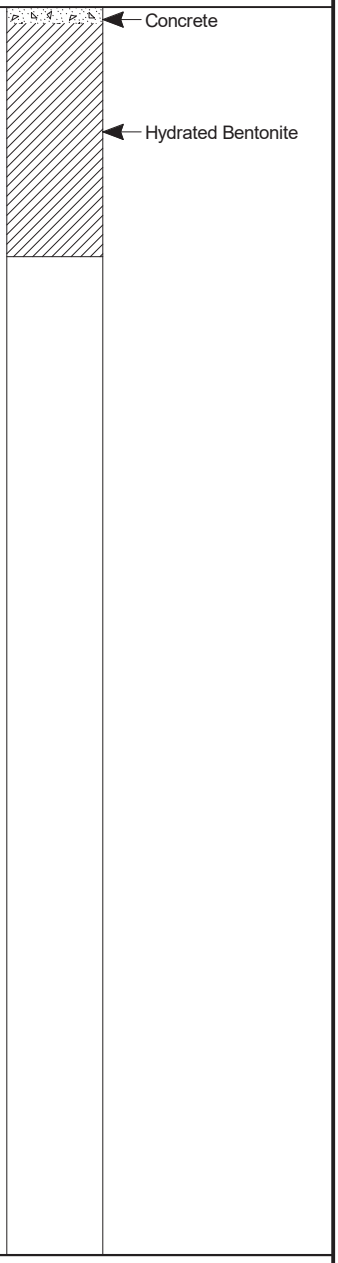
Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0		SB3-0.5		3.0	ML		Black, Clayey Silt, Slightly Moist, Strong Odor.
			SB3-2		0.0	ML		Brown, Clayey Silt, Slightly Moist.
1								
	5		SB3-5		0.0	ML		Brown, Clayey Silt, Slightly Moist.
2								
3	10							
4								
	15							
5								
6	20							
7								
	25							

Completion Detail



Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16**
Total Depth: **5.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB4

Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0		SB4-1		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
1								
	5		SB4-5		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
2								
3	10		SB4-10		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
4								
	15							
5								
6	20							
7								
	25							

Completion Detail

0
5
10
15
20

Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16**
Total Depth: **10.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB5

Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0		SB5-1		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
1								
	5		SB5-5		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
2								
3	10		SB5-10		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
4								
	15							
5								
6	20							
7								
	25							

Completion Detail

0
5
10
15
20

Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16**
Total Depth: **10.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB6

Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0		SB6-1		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
1								
	5		SB6-5		0.0	CL		Dark Brown, Clay, Moist.
2								
3	10		SB6-10		0.0	ML		Medium Brown, Silt, Slightly Moist.
4								
	15							
5								
6	20							
7								
	25							

Completion Detail: 0, 5, 10, 15, 20

Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16**
Total Depth: **10.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB7

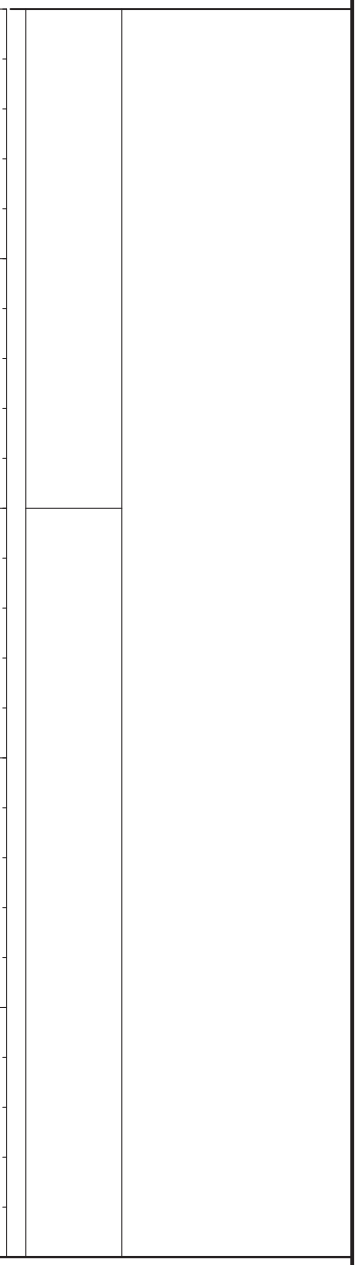
Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0		SB5-1		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
1								
	5		SB7-5		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
2								
3	10		SB7-10		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
4								
	15							
5								
6	20							
7								
	25							

Completion Detail



Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16**
Total Depth: **10.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB8

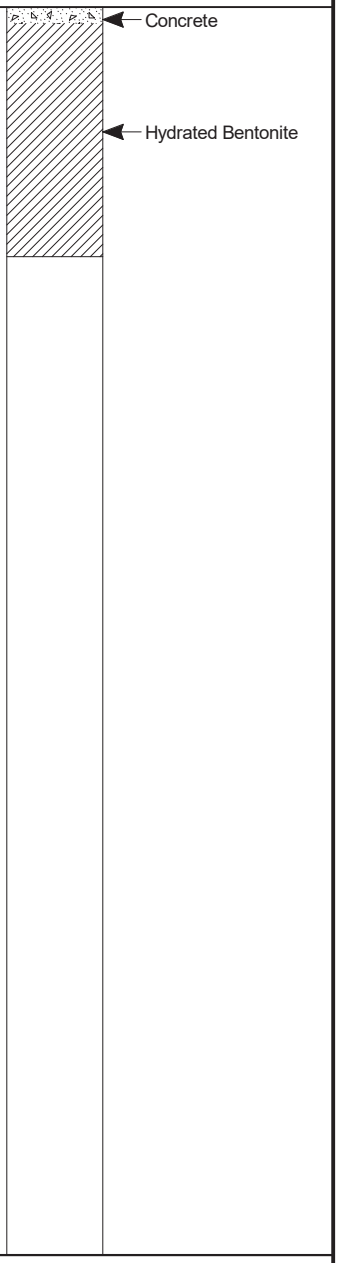
Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0		SB8-0.5		0.0	CL		Light Brown, Silty Clay, Slightly Moist.
			SB8-2		0.0	CL		Light Brown, Silty Clay, Slightly Moist.
1								
	5		SB8-5		0.0	ML		Brown, Clayey Silt, Slightly Moist.
2								
3	10							
4								
	15							
5								
6	20							
7								
	25							

Completion Detail



Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16**
Total Depth: **5.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB9

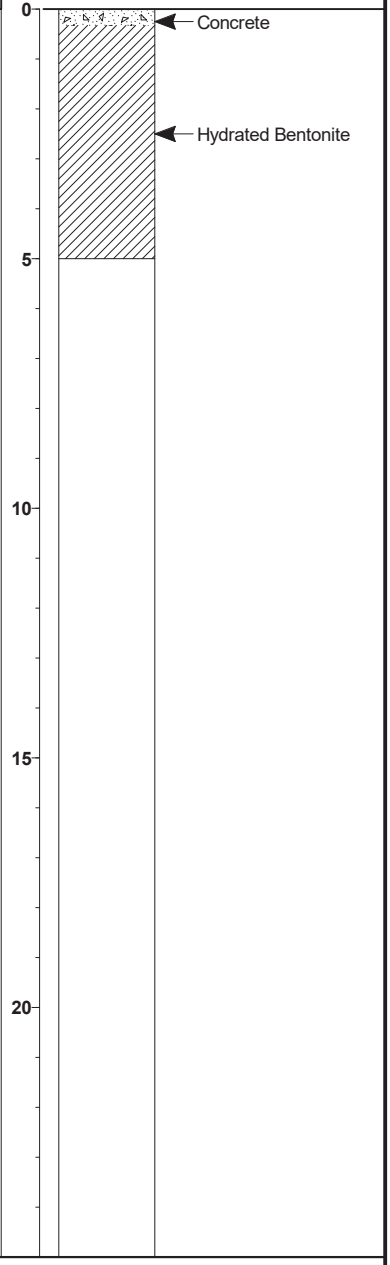
Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0		SB9-0.5		0.0	ML		Brown, Clayey Silt, Slightly Moist.
			SB9-2		0.0	ML		Brown, Clayey Silt, Slightly Moist.
1								
	5		SB9-5		0.0	ML		Brown, Clayey Silt, Slightly Moist.
2								
3	10							
4								
	15							
5								
6	20							
7								
	25							

Completion Detail



Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16**
Total Depth: **5.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB10

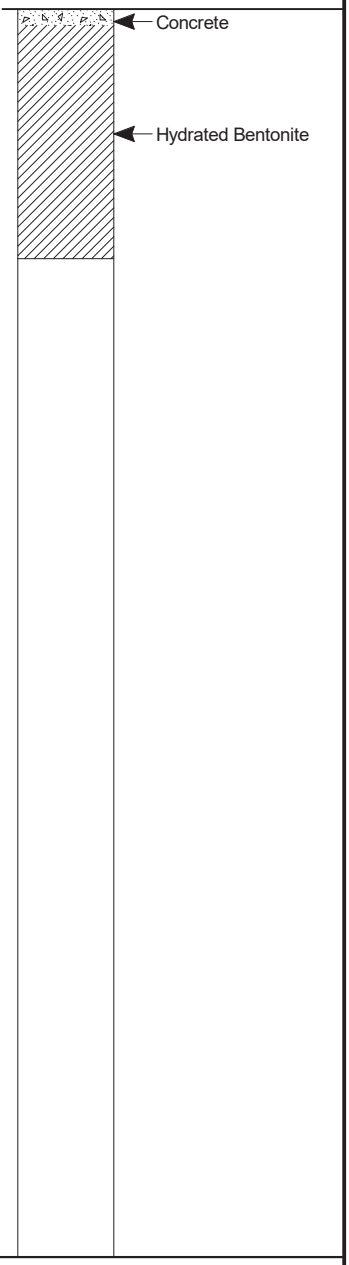
Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0		SB10-0.5		0.0	CL		Light Brown, Silty Clay, Slightly Moist.
			SB10-2		0.0	CL		Light Brown, Silty Clay, Slightly Moist.
1	5		SB10-5		0.0	ML		Brown, Clayey Silt, Slightly Moist.
2								
3	10							
4								
	15							
5								
6	20							
7								
	25							

Completion Detail



Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16**
Total Depth: **5.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB11

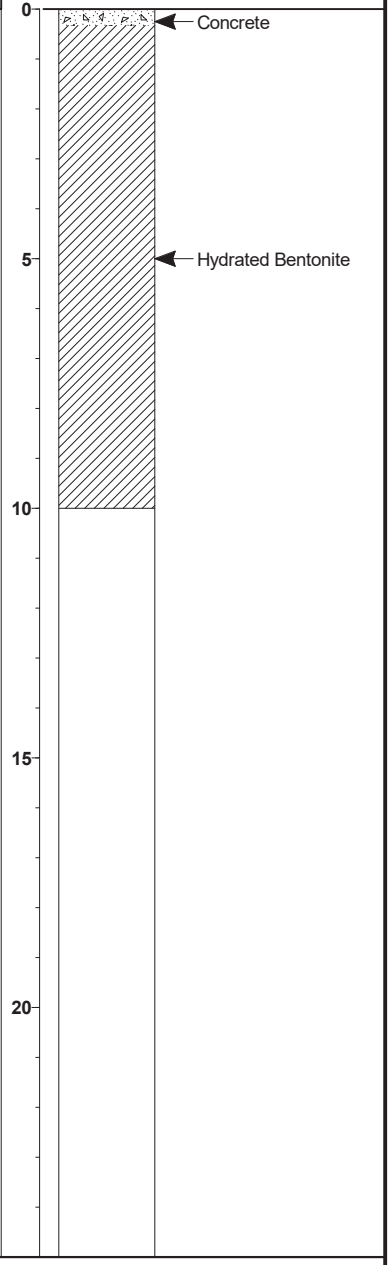
Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0							
1	5		SB11-5		0.0	ML		Light Brown, Clayey Silt, Slightly Moist.
2								
3	10		SB11-10		0.0	ML		Light Brown, Clayey Silt, Slightly Moist.
4	15							
5								
6	20							
7	25							

Completion Detail



Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16**
Total Depth: **10.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB12

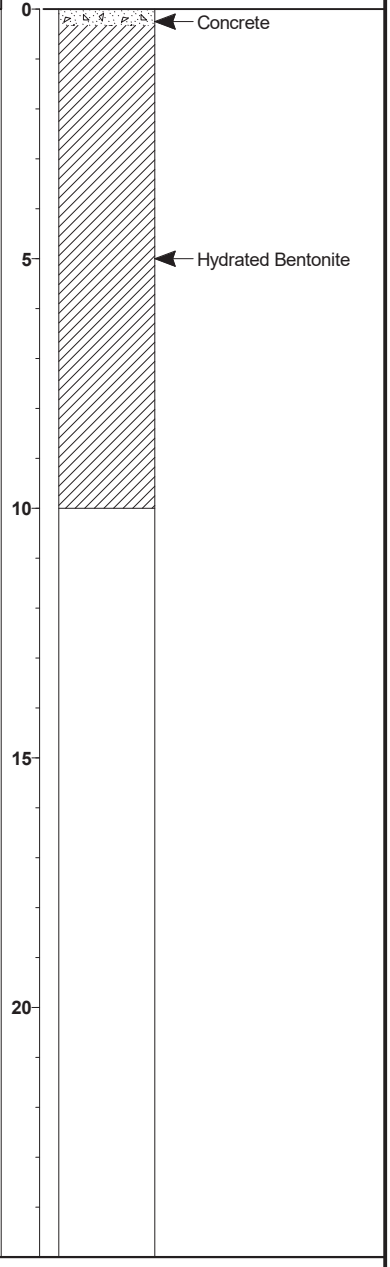
Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0							
1	5		SB12-5		0.0	ML		Brown, Clayey Silt, Slightly Moist.
2								
3	10		SB12-10		0.0	ML		Brown, Clayey Silt, Slightly Moist.
4	15							
5								
6	20							
7	25							

Completion Detail



Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16**
Total Depth: **10.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB13

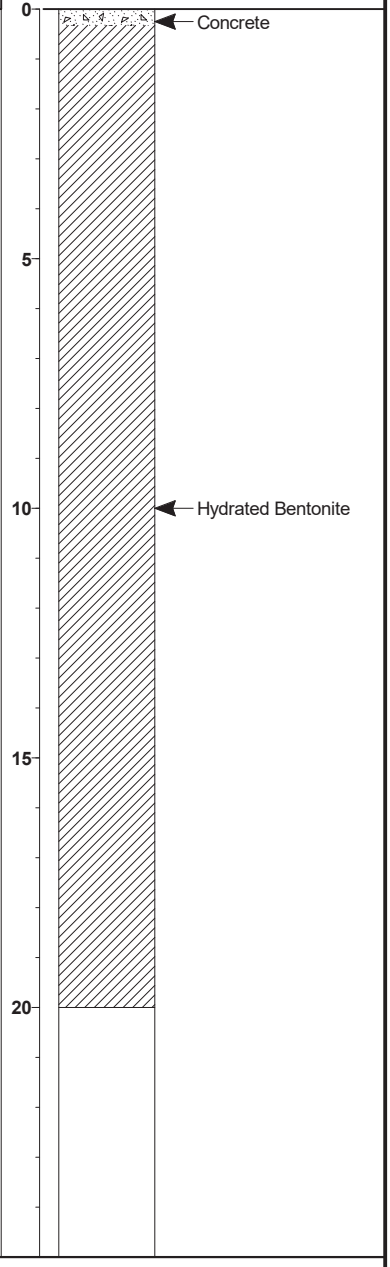
Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0							
1	5		SB13-5		0.0	ML		Brown, Clayey Silt, Slightly Moist.
2								
3	10		SB13-10		0.0	CL		Brown, Silty Clay, Slightly Moist.
4								
5	15		SB13-15		0.0	CL		Brown, Silty Clay, Slightly Moist.
6	20		SB13-20		0.0	ML		Brown, Clayey Silt, Slightly Moist.
7	25							

Completion Detail



Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16**
Total Depth: **20.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB14

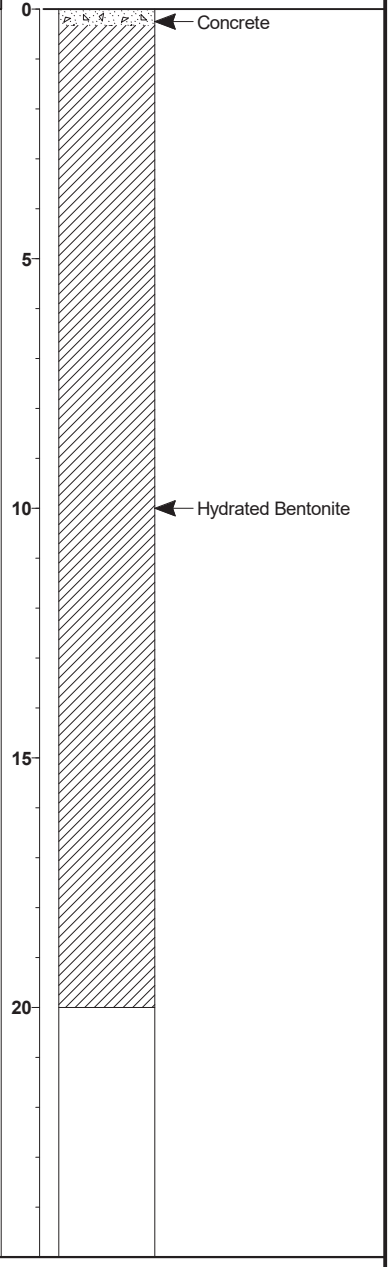
Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0							
1	5		SB14-5		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
2								
3	10		SB14-10		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
4								
5	15		SB14-15		0.0	CL		Light Brown, Clay, Slightly Moist.
6	20		SB14-20		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
7								
	25							

Completion Detail



Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16**
Total Depth: **20.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB15

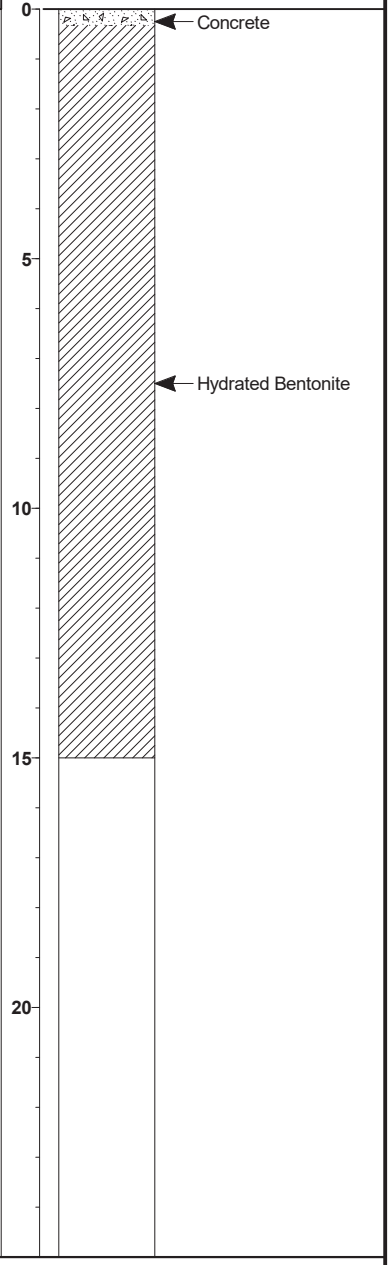
Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0							
1	5		SB15-5		0.0	CL		Brown, Clay, Slightly Moist.
2								
3	10		SB15-10		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
4								
5	15		SB15-15		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
6	20							
7	25							

Completion Detail



Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16**
Total Depth: **15.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB16

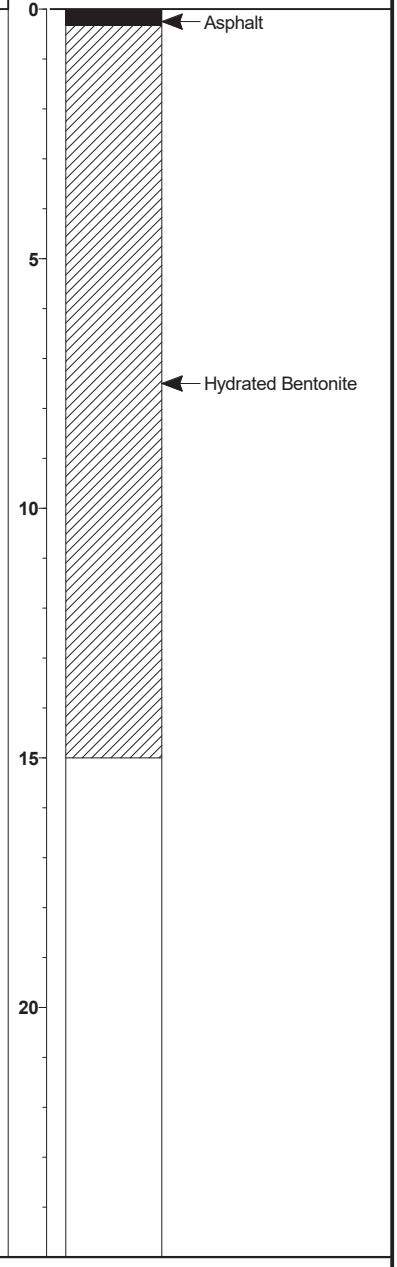
Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
0	0							
1	5		SB16-5		0.0	CL		Medium Brown, Silty Clay, Slightly Moist.
2								
3	10		SB16-10		0.0	CL		Medium Brown, Silty Clay, Slightly Moist.
4								
5	15		SB16-15		0.0	SW		Tan, Very Fine to Coarse Sand, Slightly Moist.
6	20							
7								
	25							

Completion Detail



Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16**
Total Depth: **15.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

SCS ENGINEERS

BORING LOG

3900 Kilroy Airport Way, Suite 100
Long Beach, California 90806-6816

BORING NUMBER: SB17

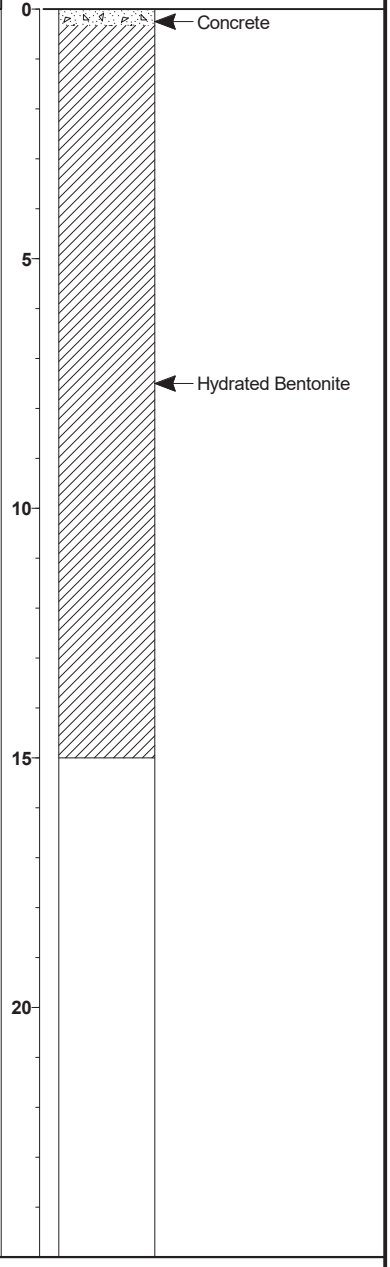
Walmart Chapman Site
15134 South Vermont Ave
Gardena, California

JOB NUMBER: 01216285.00 Task 2

REMARKS:

Depth (meters)	Depth (feet)	Sample Location	Sample Number	Blow Counts	OVM (ppm)	USCS Soil Class.	Graphic Log	Description
1	5		SB17-5		0.0	ML		Medium Brown, Clayey Silt, Slightly Moist.
3	10		SB17-10		0.0	ML		Dark Brown, Clayey Silt, Slightly Moist.
4.5	15		SB17-15		0.0	SM		Tan, Silty Very Fine to Medium Sand, Slightly Moist.

Completion Detail



Drilling Company: **H & P Mobile Geochemistry**
Drilling Method: **Direct Push**
Logged By: **C. Romanowski**
Sampling Method: **Acetate Sleeve**

Date Started: **10/21/16**
Date Ended: **10/21/16**
Total Depth: **15.0 ft**
Boring Diameter: **1.5"**

STANDARD_LOG GARDENA.GPJ STD_LOG.GDT 11/3/16

APPENDIX B

CHEMTEK ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY DOCUMENTATION

CHEMTEK
environmental laboratories

ELAP: 1435
LACSD: 10167

13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
F 562.926.8324

Certificate of Analysis

Client: SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA

Attention: Ashley Hutchens

Project No. 01216285.00
Project Site: 747 W. Redondo Beach Blvd

Job No: 610081
Report Date: 10/25/16
Date Received: 10/21/16
Number of Samples: 63
Sample Matrix: Soil

This is the Certificate of Analysis for the following samples:

SAMPLE IDENTIFICATION	DATE OF SAMPLE	LABORATORY IDENTIFICATION
SB1-CT	10/21/16	610081-01A
SB1-CB	10/21/16	610081-02A
SB1-0.5	10/21/16	610081-03A
SB1-2	10/21/16	610081-04A
SB1-5	10/21/16	610081-05A
SB2-CT	10/21/16	610081-06A
SB2-CB	10/21/16	610081-07A
SB2-0.5	10/21/16	610081-08A
SB2-2	10/21/16	610081-09A
SB2-5	10/21/16	610081-10A
SB3-CT	10/21/16	610081-01A
SB3-CB	10/21/16	610081-12A
SB3-0.5	10/21/16	610081-13A
SB3-2	10/21/16	610081-14A
SB3-5	10/21/16	610081-15A
SB4-1	10/21/16	610081-16A
SB4-5	10/21/16	610081-17A
SB4-10	10/21/16	610081-18A
SB5-1	10/21/16	610081-19A
SB5-5	10/21/16	610081-20A
SB5-10	10/21/16	610081-21A
SB6-1	10/21/16	610081-22A
SB6-5	10/21/16	610081-23A
SB6-10	10/21/16	610081-24A
SB7-1	10/21/16	610081-25A
SB7-5	10/21/16	610081-26A
SB7-10	10/21/16	610081-27A
SB8-CT	10/21/16	610081-28A
SB8-CB	10/21/16	610081-29A
SB8-0.5	10/21/16	610081-30A
SB8-2	10/21/16	610081-31A
SB8-5	10/21/16	610081-32A
SB9-CT	10/21/16	610081-33A
SB9-CB	10/21/16	610081-34A
SB9-0.5	10/21/16	610081-35A
SB9-2	10/21/16	610081-36A
SB9-5	10/21/16	610081-37A
SB10-CT	10/21/16	610081-38A
SB10-CB	10/21/16	610081-39A
SB10-0.5	10/21/16	610081-40A

Reviewed and Approved:

For

Michael C.C. Lu
Laboratory Director

CHEMTEK
environmental laboratories
ELAP: 1435
LACSD: 10167
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
F 562.926.8324

Client: SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA

Attention: Ashley Hutchens

Project No. 01216285.00
Project Site: 747 W. Redondo Beach Blvd

Job No: 610081
Report Date: 10/25/16
Date Received: 10/21/16
Number of Samples: 63
Sample Matrix: Soil

This is the Certificate of Analysis for the following samples:

SAMPLE IDENTIFICATION	DATE OF SAMPLE	LABORATORY IDENTIFICATION
SB10-2	10/21/16	610081-41A
SB10-5	10/21/16	610081-42A
SB11-5	10/21/16	610081-43A
SB11-10	10/21/16	610081-44A
SB12-5	10/21/16	610081-45A
SB12-10	10/21/16	610081-46A
SB13-5	10/21/16	610081-47A
SB13-10	10/21/16	610081-48A
SB13-15	10/21/16	610081-49A
SB13-20	10/21/16	610081-50A
SB14-5	10/21/16	610081-51A
SB14-10	10/21/16	610081-52A
SB14-15	10/21/16	610081-53A
SB14-20	10/21/16	610081-54A
SB15-5	10/21/16	610081-55A
SB15-10	10/21/16	610081-56A
SB15-15	10/21/16	610081-57A
SB16-5	10/21/16	610081-58A
SB16-10	10/21/16	610081-59A
SB16-15	10/21/16	610081-60A
SB17-5	10/21/16	610081-61A
SB17-10	10/21/16	610081-62A
SB17-15	10/21/16	610081-63A

Reviewed and Approved:

For

Michael C.C. Lu
Laboratory Director

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
F 562.926.8324

Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

Project No. 01216285.00

	Sample ID	Sample Date	Sample ID	Sample Date
	SB1-0.5	10/21/2016	SB1-2	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Bromobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Bromochloromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Bromoform	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Bromomethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
n-Butylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
sec-Butylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
tert-Butylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Carbon Tetrachloride	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Chlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Chloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Chloroform	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Chloromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
2-Chlorotoluene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
4-Chlorotoluene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
2-Chloroethyl vinyl ether	ND	µg/kg	0.9	1.8	ND	µg/kg	0.9	1.8
Dibromochloromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2-Dibromo-3-chloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2-Dibromoethane (EDB)	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Dibromomethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2-Dichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,3-Dichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,4-Dichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Dichlorodifluoromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,1-Dichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2-Dichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,1-Dichloroethene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
cis-1,2 Dichloroethene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Trans-1,2-Dichloroethene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2-Dichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,3-Dichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
2,2-Dichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,1-Dichloropropene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Cis-1,3-Dichloropropene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
trans-1,3-Dichloroproene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Ethylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Hexachlorobutadiene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Isopropylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
4-Isopropyltoluene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Methylene Chloride	ND	µg/kg	0.9	4.5	ND	µg/kg	0.9	4.5
Naphthalene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
n-propylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Styrene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,1,1,2-Tetrachloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,1,2,2-Tetrachloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Tetrachloroethene(PCE)	3.68	µg/kg	0.9	0.9	1.40	µg/kg	0.9	0.9
Toluene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2,3-Trichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2,4-Trichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,1,1-Trichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,1,2-Trichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Trichloroethene(TCE)	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Trichlorofluoromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2,3-Trichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2,4-Trimethylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,3,5-Trimethylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Vinyl Chloride	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Total Xylenes	ND	µg/kg	0.9	1.8	ND	µg/kg	0.9	1.8
Ethanol	ND	µg/kg	0.9	225	ND	µg/kg	0.9	225
MTBE	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
ETBE	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
DIPE	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
TAME	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
TBA	ND	µg/kg	0.9	45	ND	µg/kg	0.9	45
MEK	ND	µg/kg	0.9	9	ND	µg/kg	0.9	9
MIBK	ND	µg/kg	0.9	9	ND	µg/kg	0.9	9
2-Hexanone	ND	µg/kg	0.9	9	ND	µg/kg	0.9	9
Acetone	ND	µg/kg	0.9	90	ND	µg/kg	0.9	90
Analysis Date:	10/21/16				10/21/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
F 562.926.8324

Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

Project No. 01216285.00

	Sample ID	Sample Date	Sample ID	Sample Date
	SB2-0.5	10/21/2016	SB2-2	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromochloromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromoform	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromomethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
n-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
sec-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
tert-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Carbon Tetrachloride	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chloroform	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chloromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
2-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
4-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
2-Chloroethyl vinyl ether	ND	µg/kg	1	2	ND	µg/kg	0.9	1.8
Dibromochloromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dibromo-3-chloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dibromoethane (EDB)	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Dibromomethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,3-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,4-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Dichlorodifluoromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
cis-1,2 Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Trans-1,2-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,3-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
2,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Cis-1,3-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
trans-1,3-Dichloproene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Ethylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Hexachlorobutadiene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Isopropylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
4-Isopropyltoluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Methylene Chloride	ND	µg/kg	1	5	ND	µg/kg	0.9	4.5
Naphthalene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
n-propylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Styrene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,1,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,2,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Tetrachloroethene(PCE)	3.59	µg/kg	1	1	5.02	µg/kg	0.9	0.9
Toluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,3-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,4-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,1-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,2-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Trichloroethene(TCE)	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Trichlorofluoromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,3-Trichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,4-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,3,5-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Vinyl Chloride	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Total Xylenes	ND	µg/kg	1	2	ND	µg/kg	0.9	1.8
Ethanol	ND	µg/kg	1	250	ND	µg/kg	0.9	225
MTBE	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
ETBE	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
DIPE	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
TAME	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
TBA	ND	µg/kg	1	50	ND	µg/kg	0.9	45
MEK	ND	µg/kg	1	10	ND	µg/kg	0.9	9
MIBK	ND	µg/kg	1	10	ND	µg/kg	0.9	9
2-Hexanone	ND	µg/kg	1	10	ND	µg/kg	0.9	9
Acetone	ND	µg/kg	1	100	ND	µg/kg	0.9	90
Analysis Date:	10/21/16				10/21/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

Project No. 01216285.00

	Sample ID	Sample Date	Sample ID	Sample Date
	SB3-0.5	10/21/2016	SB3-2	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	85	85	ND	µg/kg	1	1
Bromobenzene	ND	µg/kg	85	85	ND	µg/kg	1	1
Bromochloromethane	ND	µg/kg	85	85	ND	µg/kg	1	1
Bromoform	ND	µg/kg	85	85	ND	µg/kg	1	1
Bromomethane	ND	µg/kg	85	85	ND	µg/kg	1	1
n-Butylbenzene	ND	µg/kg	85	85	ND	µg/kg	1	1
sec-Butylbenzene	ND	µg/kg	85	85	ND	µg/kg	1	1
tert-Butylbenzene	ND	µg/kg	85	85	ND	µg/kg	1	1
Carbon Tetrachloride	ND	µg/kg	85	85	ND	µg/kg	1	1
Chlorobenzene	ND	µg/kg	85	85	ND	µg/kg	1	1
Chloroethane	ND	µg/kg	85	85	ND	µg/kg	1	1
Chloroform	ND	µg/kg	85	85	ND	µg/kg	1	1
Chloromethane	ND	µg/kg	85	85	ND	µg/kg	1	1
2-Chlorotoluene	ND	µg/kg	85	85	ND	µg/kg	1	1
4-Chlorotoluene	ND	µg/kg	85	85	ND	µg/kg	1	1
2-Chloroethyl vinyl ether	ND	µg/kg	85	170	ND	µg/kg	1	2
Dibromochloromethane	ND	µg/kg	85	85	ND	µg/kg	1	1
1,2-Dibromo-3-chloropropane	ND	µg/kg	85	85	ND	µg/kg	1	1
1,2-Dibromoethane (EDB)	ND	µg/kg	85	85	ND	µg/kg	1	1
Dibromomethane	ND	µg/kg	85	85	ND	µg/kg	1	1
1,2-Dichlorobenzene	ND	µg/kg	85	85	ND	µg/kg	1	1
1,3-Dichlorobenzene	ND	µg/kg	85	85	ND	µg/kg	1	1
1,4-Dichlorobenzene	ND	µg/kg	85	85	ND	µg/kg	1	1
Dichlorodifluoromethane	ND	µg/kg	85	85	ND	µg/kg	1	1
1,1-Dichloroethane	ND	µg/kg	85	85	ND	µg/kg	1	1
1,2-Dichloroethane	ND	µg/kg	85	85	ND	µg/kg	1	1
1,1-Dichloroethene	ND	µg/kg	85	85	ND	µg/kg	1	1
cis-1,2 Dichloroethene	ND	µg/kg	85	85	ND	µg/kg	1	1
Trans-1,2-Dichloroethene	ND	µg/kg	85	85	ND	µg/kg	1	1
1,2-Dichloropropane	ND	µg/kg	85	85	ND	µg/kg	1	1
1,3-Dichloropropane	ND	µg/kg	85	85	ND	µg/kg	1	1
2,2-Dichloropropane	ND	µg/kg	85	85	ND	µg/kg	1	1
1,1-Dichloropropene	ND	µg/kg	85	85	ND	µg/kg	1	1
Cis-1,3-Dichloropropene	ND	µg/kg	85	85	ND	µg/kg	1	1
trans-1,3-Dichloproene	ND	µg/kg	85	85	ND	µg/kg	1	1
Ethylbenzene	ND	µg/kg	85	85	ND	µg/kg	1	1
Hexachlorobutadiene	ND	µg/kg	85	85	ND	µg/kg	1	1
Isopropylbenzene	ND	µg/kg	85	85	ND	µg/kg	1	1
4-Isopropyltoluene	ND	µg/kg	85	85	ND	µg/kg	1	1
Methylene Chloride	ND	µg/kg	85	425	ND	µg/kg	1	5
Naphthalene	ND	µg/kg	85	85	ND	µg/kg	1	1
n-propylbenzene	ND	µg/kg	85	85	ND	µg/kg	1	1
Styrene	ND	µg/kg	85	85	ND	µg/kg	1	1
1,1,1,2-Tetrachloroethane	ND	µg/kg	85	85	ND	µg/kg	1	1
1,1,2,2-Tetrachloroethane	ND	µg/kg	85	85	ND	µg/kg	1	1
Tetrachloroethene(PCE)	461	µg/kg	85	85	ND	µg/kg	1	1
Toluene	ND	µg/kg	85	85	ND	µg/kg	1	1
1,2,3-Trichlorobenzene	ND	µg/kg	85	85	ND	µg/kg	1	1
1,2,4-Trichlorobenzene	ND	µg/kg	85	85	ND	µg/kg	1	1
1,1,1-Trichloroethane	ND	µg/kg	85	85	ND	µg/kg	1	1
1,1,2-Trichloroethane	ND	µg/kg	85	85	ND	µg/kg	1	1
Trichloroethene(TCE)	ND	µg/kg	85	85	ND	µg/kg	1	1
Trichlorofluoromethane	ND	µg/kg	85	85	ND	µg/kg	1	1
1,2,3-Trichloropropane	ND	µg/kg	85	85	ND	µg/kg	1	1
1,2,4-Trimethylbenzene	ND	µg/kg	85	85	ND	µg/kg	1	1
1,3,5-Trimethylbenzene	ND	µg/kg	85	85	ND	µg/kg	1	1
Vinyl Chloride	ND	µg/kg	85	85	ND	µg/kg	1	1
Total Xylenes	ND	µg/kg	85	170	ND	µg/kg	1	2
Ethanol	ND	µg/kg	85	21250	ND	µg/kg	1	250
MTBE	ND	µg/kg	85	85	ND	µg/kg	1	1
ETBE	ND	µg/kg	85	85	ND	µg/kg	1	1
DIPE	ND	µg/kg	85	85	ND	µg/kg	1	1
TAME	ND	µg/kg	85	85	ND	µg/kg	1	1
TBA	ND	µg/kg	85	4250	ND	µg/kg	1	50
MEK	ND	µg/kg	85	850	ND	µg/kg	1	10
MIBK	ND	µg/kg	85	850	ND	µg/kg	1	10
2-Hexanone	ND	µg/kg	85	850	ND	µg/kg	1	10
Acetone	ND	µg/kg	85	8500	ND	µg/kg	1	100
Analysis Date:	10/24/16				10/21/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

Project No. 01216285.00

	Sample ID	Sample Date	Sample ID	Sample Date
	SB4-1	10/21/2016	SB4-5	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromochloromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromoform	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromomethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
n-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
sec-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
tert-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Carbon Tetrachloride	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chloroform	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chloromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
2-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
4-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
2-Chloroethyl vinyl ether	ND	µg/kg	1	2	ND	µg/kg	0.9	1.8
Dibromochloromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dibromo-3-chloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dibromoethane (EDB)	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Dibromomethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,3-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,4-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Dichlorodifluoromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
cis-1,2 Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Trans-1,2-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,3-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
2,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Cis-1,3-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
trans-1,3-Dichloproene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Ethylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Hexachlorobutadiene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Isopropylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
4-Isopropyltoluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Methylene Chloride	ND	µg/kg	1	5	ND	µg/kg	0.9	4.5
Naphthalene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
n-propylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Styrene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,1,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,2,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Tetrachloroethene(PCE)	6.12	µg/kg	1	1	4.79	µg/kg	0.9	0.9
Toluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,3-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,4-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,1-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,2-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Trichloroethene(TCE)	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Trichlorofluoromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,3-Trichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,4-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,3,5-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Vinyl Chloride	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Total Xylenes	ND	µg/kg	1	2	ND	µg/kg	0.9	1.8
Ethanol	ND	µg/kg	1	250	ND	µg/kg	0.9	225
MTBE	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
ETBE	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
DIPE	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
TAME	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
TBA	ND	µg/kg	1	50	ND	µg/kg	0.9	45
MEK	ND	µg/kg	1	10	ND	µg/kg	0.9	9
MIBK	ND	µg/kg	1	10	ND	µg/kg	0.9	9
2-Hexanone	ND	µg/kg	1	10	ND	µg/kg	0.9	9
Acetone	ND	µg/kg	1	100	ND	µg/kg	0.9	90
Analysis Date:	10/21/16				10/21/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081
Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil
Project No. 01216285.00

	Sample ID	Sample Date	Sample ID	Sample Date
	SB4-10	10/21/2016	SB5-1	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Bromobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Bromochloromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Bromoform	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Bromomethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
n-Butylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
sec-Butylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
tert-Butylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Carbon Tetrachloride	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Chlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Chloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Chloroform	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Chloromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
2-Chlorotoluene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
4-Chlorotoluene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
2-Chloroethyl vinyl ether	ND	µg/kg	0.9	1.8	ND	µg/kg	1	2
Dibromochloromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2-Dibromo-3-chloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2-Dibromoethane (EDB)	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Dibromomethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2-Dichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,3-Dichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,4-Dichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Dichlorodifluoromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1-Dichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2-Dichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1-Dichloroethene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
cis-1,2 Dichloroethene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Trans-1,2-Dichloroethene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2-Dichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,3-Dichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
2,2-Dichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1-Dichloropropene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Cis-1,3-Dichloropropene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
trans-1,3-Dichloroproene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Ethylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Hexachlorobutadiene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Isopropylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
4-Isopropyltoluene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Methylene Chloride	ND	µg/kg	0.9	4.5	ND	µg/kg	1	5
Naphthalene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
n-propylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Styrene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1,1,2-Tetrachloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1,2,2-Tetrachloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Tetrachloroethene(PCE)	1.29	µg/kg	0.9	0.9	28.1	µg/kg	1	1
Toluene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2,3-Trichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2,4-Trichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1,1-Trichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1,2-Trichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Trichloroethene(TCE)	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Trichlorofluoromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2,3-Trichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2,4-Trimethylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,3,5-Trimethylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Vinyl Chloride	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Total Xylenes	ND	µg/kg	0.9	1.8	ND	µg/kg	1	2
Ethanol	ND	µg/kg	0.9	225	ND	µg/kg	1	250
MTBE	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
ETBE	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
DIPE	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
TAME	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
TBA	ND	µg/kg	0.9	45	ND	µg/kg	1	50
MEK	ND	µg/kg	0.9	9	ND	µg/kg	1	10
MIBK	ND	µg/kg	0.9	9	ND	µg/kg	1	10
2-Hexanone	ND	µg/kg	0.9	9	ND	µg/kg	1	10
Acetone	ND	µg/kg	0.9	90	ND	µg/kg	1	100
Analysis Date:	10/21/16				10/21/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

	Sample ID	Sample Date	Sample ID	Sample Date
Project No. 01216285.00	SB5-5	10/21/2016	SB5-10	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromoform	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
n-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
sec-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
tert-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Carbon Tetrachloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Chlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroform	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chloroethyl vinyl ether	ND	µg/kg	1	2	ND	µg/kg	1	2
Dibromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromo-3-chloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromoethane (EDB)	ND	µg/kg	1	1	ND	µg/kg	1	1
Dibromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,4-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Dichlorodifluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
cis-1,2 Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
Trans-1,2-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
2,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
Cis-1,3-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
trans-1,3-Dichloproene	ND	µg/kg	1	1	ND	µg/kg	1	1
Ethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Hexachlorobutadiene	ND	µg/kg	1	1	ND	µg/kg	1	1
Isopropylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Isopropyltoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
Methylene Chloride	ND	µg/kg	1	5	ND	µg/kg	1	5
Naphthalene	ND	µg/kg	1	1	ND	µg/kg	1	1
n-propylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Styrene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Tetrachloroethene(PCE)	37.2	µg/kg	1	1	3.33	µg/kg	1	1
Toluene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichloroethene(TCE)	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichlorofluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3,5-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Vinyl Chloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Total Xylenes	ND	µg/kg	1	2	ND	µg/kg	1	2
Ethanol	ND	µg/kg	1	250	ND	µg/kg	1	250
MTBE	ND	µg/kg	1	1	ND	µg/kg	1	1
ETBE	ND	µg/kg	1	1	ND	µg/kg	1	1
DIPE	ND	µg/kg	1	1	ND	µg/kg	1	1
TAME	ND	µg/kg	1	1	ND	µg/kg	1	1
TBA	ND	µg/kg	1	50	ND	µg/kg	1	50
MEK	ND	µg/kg	1	10	ND	µg/kg	1	10
MIBK	ND	µg/kg	1	10	ND	µg/kg	1	10
2-Hexanone	ND	µg/kg	1	10	ND	µg/kg	1	10
Acetone	ND	µg/kg	1	100	ND	µg/kg	1	100
Analysis Date:	10/22/16				10/22/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

Project No. 01216285.00

	Sample ID	Sample Date			Sample ID	Sample Date		
	SB6-1	10/21/2016			SB6-5	10/21/2016		
Analyte	**Results**	**Units**	**DF**	**DLR**	**Results**	**Units**	**DF**	**DLR**
Benzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromochloromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromoform	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromomethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
n-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
sec-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
tert-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Carbon Tetrachloride	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chloroform	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chloromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
2-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
4-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
2-Chloroethyl vinyl ether	ND	µg/kg	1	2	ND	µg/kg	0.9	1.8
Dibromochloromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dibromo-3-chloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dibromoethane (EDB)	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Dibromomethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,3-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,4-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Dichlorodifluoromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
cis-1,2 Dichloroethene	ND	µg/kg	1	1	1.36	µg/kg	0.9	0.9
Trans-1,2-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,3-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
2,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Cis-1,3-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
trans-1,3-Dichloroproene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Ethylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Hexachlorobutadiene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Isopropylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
4-Isopropyltoluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Methylene Chloride	ND	µg/kg	1	5	ND	µg/kg	0.9	4.5
Naphthalene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
n-propylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Styrene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,1,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,2,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Tetrachloroethene(PCE)	10.9	µg/kg	1	1	5.13	µg/kg	0.9	0.9
Toluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,3-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,4-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,1-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,2-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Trichloroethene(TCE)	ND	µg/kg	1	1	6.39	µg/kg	0.9	0.9
Trichlorofluoromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,3-Trichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,4-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,3,5-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Vinyl Chloride	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Total Xylenes	ND	µg/kg	1	2	ND	µg/kg	0.9	1.8
Ethanol	ND	µg/kg	1	250	ND	µg/kg	0.9	225
MTBE	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
ETBE	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
DIPE	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
TAME	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
TBA	ND	µg/kg	1	50	ND	µg/kg	0.9	45
MEK	15.2	µg/kg	1	10	ND	µg/kg	0.9	9
MIBK	ND	µg/kg	1	10	ND	µg/kg	0.9	9
2-Hexanone	ND	µg/kg	1	10	ND	µg/kg	0.9	9
Acetone	155	µg/kg	1	100	ND	µg/kg	0.9	90
Analysis Date:	10/22/16				10/22/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
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13554 Larwin Cir., Santa Fe Springs, CA 90670
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

Project No. 01216285.00

	Sample ID	Sample Date	Sample ID	Sample Date
	SB6-10	10/21/2016	SB7-1	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromoform	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
n-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
sec-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
tert-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Carbon Tetrachloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Chlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroform	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chloroethyl vinyl ether	ND	µg/kg	1	2	ND	µg/kg	1	2
Dibromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromo-3-chloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromoethane (EDB)	ND	µg/kg	1	1	ND	µg/kg	1	1
Dibromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,4-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Dichlorodifluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
cis-1,2 Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
Trans-1,2-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
2,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
Cis-1,3-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
trans-1,3-Dichloproene	ND	µg/kg	1	1	ND	µg/kg	1	1
Ethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Hexachlorobutadiene	ND	µg/kg	1	1	ND	µg/kg	1	1
Isopropylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Isopropyltoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
Methylene Chloride	ND	µg/kg	1	5	ND	µg/kg	1	5
Naphthalene	ND	µg/kg	1	1	ND	µg/kg	1	1
n-propylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Styrene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Tetrachloroethene(PCE)	ND	µg/kg	1	1	ND	µg/kg	1	1
Toluene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichloroethene(TCE)	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichlorofluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3,5-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Vinyl Chloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Total Xylenes	ND	µg/kg	1	2	ND	µg/kg	1	2
Ethanol	ND	µg/kg	1	250	ND	µg/kg	1	250
MTBE	ND	µg/kg	1	1	ND	µg/kg	1	1
ETBE	ND	µg/kg	1	1	ND	µg/kg	1	1
DIPE	ND	µg/kg	1	1	ND	µg/kg	1	1
TAME	ND	µg/kg	1	1	ND	µg/kg	1	1
TBA	ND	µg/kg	1	50	ND	µg/kg	1	50
MEK	ND	µg/kg	1	10	ND	µg/kg	1	10
MIBK	ND	µg/kg	1	10	ND	µg/kg	1	10
2-Hexanone	ND	µg/kg	1	10	ND	µg/kg	1	10
Acetone	ND	µg/kg	1	100	ND	µg/kg	1	100
Analysis Date:	10/22/16				10/22/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

Project No. 01216285.00

	Sample ID	Sample Date	Sample ID	Sample Date
	SB7-5	10/21/2016	SB7-10	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromoform	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
n-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
sec-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
tert-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Carbon Tetrachloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Chlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroform	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chloroethyl vinyl ether	ND	µg/kg	1	2	ND	µg/kg	1	2
Dibromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromo-3-chloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromoethane (EDB)	ND	µg/kg	1	1	ND	µg/kg	1	1
Dibromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,4-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Dichlorodifluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
cis-1,2 Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
Trans-1,2-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
2,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
Cis-1,3-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
trans-1,3-Dichloroproene	ND	µg/kg	1	1	ND	µg/kg	1	1
Ethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Hexachlorobutadiene	ND	µg/kg	1	1	ND	µg/kg	1	1
Isopropylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Isopropyltoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
Methylene Chloride	ND	µg/kg	1	5	ND	µg/kg	1	5
Naphthalene	ND	µg/kg	1	1	ND	µg/kg	1	1
n-propylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Styrene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Tetrachloroethene(PCE)	22.5	µg/kg	1	1	ND	µg/kg	1	1
Toluene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichloroethene(TCE)	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichlorofluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3,5-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Vinyl Chloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Total Xylenes	ND	µg/kg	1	2	ND	µg/kg	1	2
Ethanol	ND	µg/kg	1	250	ND	µg/kg	1	250
MTBE	ND	µg/kg	1	1	ND	µg/kg	1	1
ETBE	ND	µg/kg	1	1	ND	µg/kg	1	1
DIPE	ND	µg/kg	1	1	ND	µg/kg	1	1
TAME	ND	µg/kg	1	1	ND	µg/kg	1	1
TBA	ND	µg/kg	1	50	ND	µg/kg	1	50
MEK	ND	µg/kg	1	10	ND	µg/kg	1	10
MIBK	ND	µg/kg	1	10	ND	µg/kg	1	10
2-Hexanone	ND	µg/kg	1	10	ND	µg/kg	1	10
Acetone	ND	µg/kg	1	100	ND	µg/kg	1	100
Analysis Date:	10/22/16				10/22/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

Project No. 01216285.00

	Sample ID	Sample Date	Sample ID	Sample Date
	SB8-0.5	10/21/2016	SB8-2	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromoform	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
n-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
sec-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
tert-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Carbon Tetrachloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Chlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroform	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chloroethyl vinyl ether	ND	µg/kg	1	2	ND	µg/kg	1	2
Dibromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromo-3-chloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromoethane (EDB)	ND	µg/kg	1	1	ND	µg/kg	1	1
Dibromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,4-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Dichlorodifluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
cis-1,2 Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
Trans-1,2-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
2,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
Cis-1,3-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
trans-1,3-Dichloproene	ND	µg/kg	1	1	ND	µg/kg	1	1
Ethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Hexachlorobutadiene	ND	µg/kg	1	1	ND	µg/kg	1	1
Isopropylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Isopropyltoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
Methylene Chloride	ND	µg/kg	1	5	ND	µg/kg	1	5
Naphthalene	ND	µg/kg	1	1	ND	µg/kg	1	1
n-propylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Styrene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Tetrachloroethene(PCE)	ND	µg/kg	1	1	ND	µg/kg	1	1
Toluene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichloroethene(TCE)	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichlorofluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3,5-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Vinyl Chloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Total Xylenes	ND	µg/kg	1	2	ND	µg/kg	1	2
Ethanol	ND	µg/kg	1	250	ND	µg/kg	1	250
MTBE	ND	µg/kg	1	1	ND	µg/kg	1	1
ETBE	ND	µg/kg	1	1	ND	µg/kg	1	1
DIPE	ND	µg/kg	1	1	ND	µg/kg	1	1
TAME	ND	µg/kg	1	1	ND	µg/kg	1	1
TBA	ND	µg/kg	1	50	ND	µg/kg	1	50
MEK	ND	µg/kg	1	10	ND	µg/kg	1	10
MIBK	ND	µg/kg	1	10	ND	µg/kg	1	10
2-Hexanone	ND	µg/kg	1	10	ND	µg/kg	1	10
Acetone	ND	µg/kg	1	100	ND	µg/kg	1	100
Analysis Date:	10/22/16				10/22/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

Project No. 01216285.00

	Sample ID	Sample Date	Sample ID	Sample Date
	SB9-0.5	10/21/2016	SB9-2	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Bromobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Bromochloromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Bromoform	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Bromomethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
n-Butylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
sec-Butylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
tert-Butylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Carbon Tetrachloride	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Chlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Chloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Chloroform	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Chloromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
2-Chlorotoluene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
4-Chlorotoluene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
2-Chloroethyl vinyl ether	ND	µg/kg	0.9	1.8	ND	µg/kg	0.9	1.8
Dibromochloromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2-Dibromo-3-chloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2-Dibromoethane (EDB)	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Dibromomethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2-Dichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,3-Dichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,4-Dichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Dichlorodifluoromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,1-Dichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2-Dichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,1-Dichloroethene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
cis-1,2 Dichloroethene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Trans-1,2-Dichloroethene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2-Dichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,3-Dichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
2,2-Dichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,1-Dichloropropene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Cis-1,3-Dichloropropene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
trans-1,3-Dichloproene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Ethylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Hexachlorobutadiene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Isopropylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
4-Isopropyltoluene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Methylene Chloride	ND	µg/kg	0.9	4.5	ND	µg/kg	0.9	4.5
Naphthalene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
n-propylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Styrene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,1,1,2-Tetrachloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,1,2,2-Tetrachloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Tetrachloroethene(PCE)	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Toluene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2,3-Trichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2,4-Trichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,1,1-Trichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,1,2-Trichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Trichloroethene(TCE)	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Trichlorofluoromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2,3-Trichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,2,4-Trimethylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
1,3,5-Trimethylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Vinyl Chloride	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
Total Xylenes	ND	µg/kg	0.9	1.8	ND	µg/kg	0.9	1.8
Ethanol	ND	µg/kg	0.9	225	ND	µg/kg	0.9	225
MTBE	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
ETBE	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
DIPE	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
TAME	ND	µg/kg	0.9	0.9	ND	µg/kg	0.9	0.9
TBA	ND	µg/kg	0.9	45	ND	µg/kg	0.9	45
MEK	ND	µg/kg	0.9	9	ND	µg/kg	0.9	9
MIBK	ND	µg/kg	0.9	9	ND	µg/kg	0.9	9
2-Hexanone	ND	µg/kg	0.9	9	ND	µg/kg	0.9	9
Acetone	ND	µg/kg	0.9	90	ND	µg/kg	0.9	90
Analysis Date:	10/22/16				10/22/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

	Sample ID	Sample Date	Sample ID	Sample Date
Project No. 01216285.00	SB10-0.5	10/21/2016	SB10-2	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromoform	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
n-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
sec-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
tert-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Carbon Tetrachloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Chlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroform	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chloroethyl vinyl ether	ND	µg/kg	1	2	ND	µg/kg	1	2
Dibromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromo-3-chloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromoethane (EDB)	ND	µg/kg	1	1	ND	µg/kg	1	1
Dibromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,4-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Dichlorodifluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
cis-1,2 Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
Trans-1,2-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
2,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
Cis-1,3-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
trans-1,3-Dichloproene	ND	µg/kg	1	1	ND	µg/kg	1	1
Ethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Hexachlorobutadiene	ND	µg/kg	1	1	ND	µg/kg	1	1
Isopropylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Isopropyltoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
Methylene Chloride	ND	µg/kg	1	5	ND	µg/kg	1	5
Naphthalene	ND	µg/kg	1	1	ND	µg/kg	1	1
n-propylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Styrene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Tetrachloroethene(PCE)	ND	µg/kg	1	1	ND	µg/kg	1	1
Toluene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichloroethene(TCE)	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichlorofluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3,5-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Vinyl Chloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Total Xylenes	ND	µg/kg	1	2	ND	µg/kg	1	2
Ethanol	ND	µg/kg	1	250	ND	µg/kg	1	250
MTBE	ND	µg/kg	1	1	ND	µg/kg	1	1
ETBE	ND	µg/kg	1	1	ND	µg/kg	1	1
DIPE	ND	µg/kg	1	1	ND	µg/kg	1	1
TAME	ND	µg/kg	1	1	ND	µg/kg	1	1
TBA	ND	µg/kg	1	50	ND	µg/kg	1	50
MEK	ND	µg/kg	1	10	ND	µg/kg	1	10
MIBK	ND	µg/kg	1	10	ND	µg/kg	1	10
2-Hexanone	ND	µg/kg	1	10	ND	µg/kg	1	10
Acetone	ND	µg/kg	1	100	ND	µg/kg	1	100
Analysis Date:	10/22/16				10/22/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
F 562.926.8324

Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

Project No. 01216285.00

	Sample ID	Sample Date	Sample ID	Sample Date
	SB13-5	10/21/2016	SB13-10	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Bromobenzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Bromochloromethane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Bromoform	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Bromomethane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
n-Butylbenzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
sec-Butylbenzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
tert-Butylbenzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Carbon Tetrachloride	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Chlorobenzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Chloroethane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Chloroform	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Chloromethane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
2-Chlorotoluene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
4-Chlorotoluene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
2-Chloroethyl vinyl ether	ND	µg/kg	0.8	1.6	ND	µg/kg	1	2
Dibromochloromethane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,2-Dibromo-3-chloropropane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,2-Dibromoethane (EDB)	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Dibromomethane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,2-Dichlorobenzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,3-Dichlorobenzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,4-Dichlorobenzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Dichlorodifluoromethane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,1-Dichloroethane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,2-Dichloroethane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,1-Dichloroethene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
cis-1,2 Dichloroethene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Trans-1,2-Dichloroethene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,2-Dichloropropane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,3-Dichloropropane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
2,2-Dichloropropane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,1-Dichloropropene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Cis-1,3-Dichloropropene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
trans-1,3-Dichloroproene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Ethylbenzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Hexachlorobutadiene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Isopropylbenzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
4-Isopropyltoluene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Methylene Chloride	ND	µg/kg	0.8	4	ND	µg/kg	1	5
Naphthalene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
n-propylbenzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Styrene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,1,1,2-Tetrachloroethane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,1,2,2-Tetrachloroethane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Tetrachloroethene(PCE)	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Toluene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,2,3-Trichlorobenzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,2,4-Trichlorobenzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,1,1-Trichloroethane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,1,2-Trichloroethane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Trichloroethene(TCE)	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Trichlorofluoromethane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,2,3-Trichloropropane	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,2,4-Trimethylbenzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
1,3,5-Trimethylbenzene	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Vinyl Chloride	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
Total Xylenes	ND	µg/kg	0.8	1.6	ND	µg/kg	1	2
Ethanol	ND	µg/kg	0.8	200	ND	µg/kg	1	250
MTBE	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
ETBE	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
DIPE	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
TAME	ND	µg/kg	0.8	0.8	ND	µg/kg	1	1
TBA	ND	µg/kg	0.8	40	ND	µg/kg	1	50
MEK	ND	µg/kg	0.8	8	ND	µg/kg	1	10
MIBK	ND	µg/kg	0.8	8	ND	µg/kg	1	10
2-Hexanone	ND	µg/kg	0.8	8	ND	µg/kg	1	10
Acetone	ND	µg/kg	0.8	80	ND	µg/kg	1	100
Analysis Date:	10/22/16				10/22/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
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13554 Larwin Cir., Santa Fe Springs, CA 90670
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081
Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

	Sample ID	Sample Date	Sample ID	Sample Date
Project No. 01216285.00	SB13-15	10/21/2016	SB13-20	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Bromobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Bromochloromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Bromoform	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Bromomethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
n-Butylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
sec-Butylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
tert-Butylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Carbon Tetrachloride	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Chlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Chloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Chloroform	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Chloromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
2-Chlorotoluene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
4-Chlorotoluene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
2-Chloroethyl vinyl ether	ND	µg/kg	0.9	1.8	ND	µg/kg	1	2
Dibromochloromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2-Dibromo-3-chloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2-Dibromoethane (EDB)	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Dibromomethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2-Dichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,3-Dichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,4-Dichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Dichlorodifluoromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1-Dichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2-Dichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1-Dichloroethene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
cis-1,2 Dichloroethene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Trans-1,2-Dichloroethene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2-Dichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,3-Dichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
2,2-Dichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1-Dichloropropene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Cis-1,3-Dichloropropene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
trans-1,3-Dichloproene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Ethylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Hexachlorobutadiene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Isopropylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
4-Isopropyltoluene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Methylene Chloride	ND	µg/kg	0.9	4.5	ND	µg/kg	1	5
Naphthalene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
n-propylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Styrene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1,1,2-Tetrachloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1,2,2-Tetrachloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Tetrachloroethene(PCE)	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Toluene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2,3-Trichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2,4-Trichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1,1-Trichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1,2-Trichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Trichloroethene(TCE)	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Trichlorofluoromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2,3-Trichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2,4-Trimethylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,3,5-Trimethylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Vinyl Chloride	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Total Xylenes	ND	µg/kg	0.9	1.8	ND	µg/kg	1	2
Ethanol	ND	µg/kg	0.9	225	ND	µg/kg	1	250
MTBE	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
ETBE	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
DIPE	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
TAME	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
TBA	ND	µg/kg	0.9	45	ND	µg/kg	1	50
MEK	ND	µg/kg	0.9	9	ND	µg/kg	1	10
MIBK	ND	µg/kg	0.9	9	ND	µg/kg	1	10
2-Hexanone	ND	µg/kg	0.9	9	ND	µg/kg	1	10
Acetone	ND	µg/kg	0.9	90	ND	µg/kg	1	100
Analysis Date:	10/22/16				10/22/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

Project No. 01216285.00

	Sample ID	Sample Date	Sample ID	Sample Date
	SB14-5	10/21/2016	SB14-10	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromochloromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromoform	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Bromomethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
n-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
sec-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
tert-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Carbon Tetrachloride	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chloroform	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Chloromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
2-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
4-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
2-Chloroethyl vinyl ether	ND	µg/kg	1	2	ND	µg/kg	0.9	1.8
Dibromochloromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dibromo-3-chloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dibromoethane (EDB)	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Dibromomethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,3-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,4-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Dichlorodifluoromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
cis-1,2 Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Trans-1,2-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,3-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
2,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Cis-1,3-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
trans-1,3-Dichloproene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Ethylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Hexachlorobutadiene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Isopropylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
4-Isopropyltoluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Methylene Chloride	ND	µg/kg	1	5	ND	µg/kg	0.9	4.5
Naphthalene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
n-propylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Styrene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,1,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,2,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Tetrachloroethene(PCE)	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Toluene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,3-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,4-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,1-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,1,2-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Trichloroethene(TCE)	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Trichlorofluoromethane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,3-Trichloropropane	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,2,4-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
1,3,5-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Vinyl Chloride	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
Total Xylenes	ND	µg/kg	1	2	ND	µg/kg	0.9	1.8
Ethanol	ND	µg/kg	1	250	ND	µg/kg	0.9	225
MTBE	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
ETBE	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
DIPE	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
TAME	ND	µg/kg	1	1	ND	µg/kg	0.9	0.9
TBA	ND	µg/kg	1	50	ND	µg/kg	0.9	45
MEK	ND	µg/kg	1	10	ND	µg/kg	0.9	9
MIBK	ND	µg/kg	1	10	ND	µg/kg	0.9	9
2-Hexanone	ND	µg/kg	1	10	ND	µg/kg	0.9	9
Acetone	ND	µg/kg	1	100	ND	µg/kg	0.9	90
Analysis Date:	10/22/16				10/22/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
F 562.926.8324

Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

Project No. 01216285.00

	Sample ID	Sample Date	Sample ID	Sample Date
	SB14-15	10/21/2016	SB14-20	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromoform	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
n-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
sec-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
tert-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Carbon Tetrachloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Chlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroform	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chloroethyl vinyl ether	ND	µg/kg	1	2	ND	µg/kg	1	2
Dibromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromo-3-chloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromoethane (EDB)	ND	µg/kg	1	1	ND	µg/kg	1	1
Dibromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,4-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Dichlorodifluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
cis-1,2 Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
Trans-1,2-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
2,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
Cis-1,3-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
trans-1,3-Dichloproene	ND	µg/kg	1	1	ND	µg/kg	1	1
Ethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Hexachlorobutadiene	ND	µg/kg	1	1	ND	µg/kg	1	1
Isopropylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Isopropyltoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
Methylene Chloride	ND	µg/kg	1	5	ND	µg/kg	1	5
Naphthalene	ND	µg/kg	1	1	ND	µg/kg	1	1
n-propylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Styrene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Tetrachloroethene(PCE)	ND	µg/kg	1	1	ND	µg/kg	1	1
Toluene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichloroethene(TCE)	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichlorofluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3,5-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Vinyl Chloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Total Xylenes	ND	µg/kg	1	2	ND	µg/kg	1	2
Ethanol	ND	µg/kg	1	250	ND	µg/kg	1	250
MTBE	ND	µg/kg	1	1	ND	µg/kg	1	1
ETBE	ND	µg/kg	1	1	ND	µg/kg	1	1
DIPE	ND	µg/kg	1	1	ND	µg/kg	1	1
TAME	ND	µg/kg	1	1	ND	µg/kg	1	1
TBA	ND	µg/kg	1	50	ND	µg/kg	1	50
MEK	ND	µg/kg	1	10	ND	µg/kg	1	10
MIBK	ND	µg/kg	1	10	ND	µg/kg	1	10
2-Hexanone	ND	µg/kg	1	10	ND	µg/kg	1	10
Acetone	ND	µg/kg	1	100	ND	µg/kg	1	100
Analysis Date:	10/22/16				10/22/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081
Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil
Project No. 01216285.00

	Sample ID	Sample Date	Sample ID	Sample Date
	SB15-5	10/21/2016	SB15-10	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Bromobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Bromochloromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Bromoform	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Bromomethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
n-Butylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
sec-Butylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
tert-Butylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Carbon Tetrachloride	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Chlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Chloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Chloroform	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Chloromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
2-Chlorotoluene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
4-Chlorotoluene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
2-Chloroethyl vinyl ether	ND	µg/kg	0.9	1.8	ND	µg/kg	1	2
Dibromochloromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2-Dibromo-3-chloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2-Dibromoethane (EDB)	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Dibromomethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2-Dichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,3-Dichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,4-Dichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Dichlorodifluoromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1-Dichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2-Dichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1-Dichloroethene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
cis-1,2 Dichloroethene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Trans-1,2-Dichloroethene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2-Dichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,3-Dichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
2,2-Dichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1-Dichloropropene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Cis-1,3-Dichloropropene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
trans-1,3-Dichloproene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Ethylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Hexachlorobutadiene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Isopropylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
4-Isopropyltoluene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Methylene Chloride	ND	µg/kg	0.9	4.5	ND	µg/kg	1	5
Naphthalene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
n-propylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Styrene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1,1,2-Tetrachloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1,2,2-Tetrachloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Tetrachloroethene(PCE)	2.28	µg/kg	0.9	0.9	ND	µg/kg	1	1
Toluene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2,3-Trichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2,4-Trichlorobenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1,1-Trichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,1,2-Trichloroethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Trichloroethene(TCE)	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Trichlorofluoromethane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2,3-Trichloropropane	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,2,4-Trimethylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
1,3,5-Trimethylbenzene	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Vinyl Chloride	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
Total Xylenes	ND	µg/kg	0.9	1.8	ND	µg/kg	1	2
Ethanol	ND	µg/kg	0.9	225	ND	µg/kg	1	250
MTBE	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
ETBE	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
DIPE	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
TAME	ND	µg/kg	0.9	0.9	ND	µg/kg	1	1
TBA	ND	µg/kg	0.9	45	ND	µg/kg	1	50
MEK	ND	µg/kg	0.9	9	ND	µg/kg	1	10
MIBK	ND	µg/kg	0.9	9	ND	µg/kg	1	10
2-Hexanone	ND	µg/kg	0.9	9	ND	µg/kg	1	10
Acetone	ND	µg/kg	0.9	90	ND	µg/kg	1	100
Analysis Date:	10/24/16				10/24/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
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13554 Larwin Cir., Santa Fe Springs, CA 90670
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081
Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

	Sample ID	Sample Date	Sample ID	Sample Date
Project No. 01216285.00	SB15-15	10/21/2016	SB16-5	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromoform	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
n-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
sec-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
tert-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Carbon Tetrachloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Chlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroform	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chloroethyl vinyl ether	ND	µg/kg	1	2	ND	µg/kg	1	2
Dibromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromo-3-chloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromoethane (EDB)	ND	µg/kg	1	1	ND	µg/kg	1	1
Dibromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,4-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Dichlorodifluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
cis-1,2 Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
Trans-1,2-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
2,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
Cis-1,3-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
trans-1,3-Dichloproene	ND	µg/kg	1	1	ND	µg/kg	1	1
Ethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Hexachlorobutadiene	ND	µg/kg	1	1	ND	µg/kg	1	1
Isopropylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Isopropyltoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
Methylene Chloride	ND	µg/kg	1	5	ND	µg/kg	1	5
Naphthalene	ND	µg/kg	1	1	ND	µg/kg	1	1
n-propylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Styrene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Tetrachloroethene(PCE)	3.03	µg/kg	1	1	1.32	µg/kg	1	1
Toluene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichloroethene(TCE)	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichlorofluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3,5-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Vinyl Chloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Total Xylenes	ND	µg/kg	1	2	ND	µg/kg	1	2
Ethanol	ND	µg/kg	1	250	ND	µg/kg	1	250
MTBE	ND	µg/kg	1	1	ND	µg/kg	1	1
ETBE	ND	µg/kg	1	1	ND	µg/kg	1	1
DIPE	ND	µg/kg	1	1	ND	µg/kg	1	1
TAME	ND	µg/kg	1	1	ND	µg/kg	1	1
TBA	ND	µg/kg	1	50	ND	µg/kg	1	50
MEK	ND	µg/kg	1	10	ND	µg/kg	1	10
MIBK	ND	µg/kg	1	10	ND	µg/kg	1	10
2-Hexanone	ND	µg/kg	1	10	ND	µg/kg	1	10
Acetone	ND	µg/kg	1	100	ND	µg/kg	1	100
Analysis Date:	10/24/16				10/24/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

Project No. 01216285.00

	Sample ID	Sample Date	Sample ID	Sample Date
	SB16-10	10/21/2016	SB16-15	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Bromobenzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Bromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Bromoform	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Bromomethane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
n-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
sec-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
tert-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Carbon Tetrachloride	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Chlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Chloroethane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Chloroform	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Chloromethane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
2-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
4-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
2-Chloroethyl vinyl ether	ND	µg/kg	1	2	ND	µg/kg	1.2	2.4
Dibromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,2-Dibromo-3-chloropropane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,2-Dibromoethane (EDB)	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Dibromomethane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,2-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,3-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,4-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Dichlorodifluoromethane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,1-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,2-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,1-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
cis-1,2 Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Trans-1,2-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,3-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
2,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,1-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Cis-1,3-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
trans-1,3-Dichloproene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Ethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Hexachlorobutadiene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Isopropylbenzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
4-Isopropyltoluene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Methylene Chloride	ND	µg/kg	1	5	ND	µg/kg	1.2	6
Naphthalene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
n-propylbenzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Styrene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,1,1,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,1,2,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Tetrachloroethene(PCE)	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Toluene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,2,3-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,2,4-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,1,1-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,1,2-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Trichloroethene(TCE)	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Trichlorofluoromethane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,2,3-Trichloropropane	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,2,4-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
1,3,5-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Vinyl Chloride	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
Total Xylenes	ND	µg/kg	1	2	ND	µg/kg	1.2	2.4
Ethanol	ND	µg/kg	1	250	ND	µg/kg	1.2	300
MTBE	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
ETBE	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
DIPE	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
TAME	ND	µg/kg	1	1	ND	µg/kg	1.2	1.2
TBA	ND	µg/kg	1	50	ND	µg/kg	1.2	60
MEK	ND	µg/kg	1	10	ND	µg/kg	1.2	12
MIBK	ND	µg/kg	1	10	ND	µg/kg	1.2	12
2-Hexanone	ND	µg/kg	1	10	ND	µg/kg	1.2	12
Acetone	ND	µg/kg	1	100	ND	µg/kg	1.2	120
Analysis Date:	10/24/16				10/24/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
F 562.926.8324

Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081
Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil
Project No. 01216285.00

	Sample ID	Sample Date	Sample ID	Sample Date
	SB17-5	10/21/2016	SB17-10	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Benzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromoform	ND	µg/kg	1	1	ND	µg/kg	1	1
Bromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
n-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
sec-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
tert-Butylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Carbon Tetrachloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Chlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloroform	ND	µg/kg	1	1	ND	µg/kg	1	1
Chloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Chlorotoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
2-Chloroethyl vinyl ether	ND	µg/kg	1	2	ND	µg/kg	1	2
Dibromochloromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromo-3-chloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dibromoethane (EDB)	ND	µg/kg	1	1	ND	µg/kg	1	1
Dibromomethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,4-Dichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Dichlorodifluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
cis-1,2 Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
Trans-1,2-Dichloroethene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
2,2-Dichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
Cis-1,3-Dichloropropene	ND	µg/kg	1	1	ND	µg/kg	1	1
trans-1,3-Dichloproene	ND	µg/kg	1	1	ND	µg/kg	1	1
Ethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Hexachlorobutadiene	ND	µg/kg	1	1	ND	µg/kg	1	1
Isopropylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
4-Isopropyltoluene	ND	µg/kg	1	1	ND	µg/kg	1	1
Methylene Chloride	ND	µg/kg	1	5	ND	µg/kg	1	5
Naphthalene	ND	µg/kg	1	1	ND	µg/kg	1	1
n-propylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Styrene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2,2-Tetrachloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Tetrachloroethene(PCE)	1.30	µg/kg	1	1	ND	µg/kg	1	1
Toluene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trichlorobenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,1-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,1,2-Trichloroethane	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichloroethene(TCE)	ND	µg/kg	1	1	ND	µg/kg	1	1
Trichlorofluoromethane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,3-Trichloropropane	ND	µg/kg	1	1	ND	µg/kg	1	1
1,2,4-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
1,3,5-Trimethylbenzene	ND	µg/kg	1	1	ND	µg/kg	1	1
Vinyl Chloride	ND	µg/kg	1	1	ND	µg/kg	1	1
Total Xylenes	ND	µg/kg	1	2	ND	µg/kg	1	2
Ethanol	ND	µg/kg	1	250	ND	µg/kg	1	250
MTBE	ND	µg/kg	1	1	ND	µg/kg	1	1
ETBE	ND	µg/kg	1	1	ND	µg/kg	1	1
DIPE	ND	µg/kg	1	1	ND	µg/kg	1	1
TAME	ND	µg/kg	1	1	ND	µg/kg	1	1
TBA	ND	µg/kg	1	50	ND	µg/kg	1	50
MEK	ND	µg/kg	1	10	ND	µg/kg	1	10
MIBK	ND	µg/kg	1	10	ND	µg/kg	1	10
2-Hexanone	ND	µg/kg	1	10	ND	µg/kg	1	10
Acetone	ND	µg/kg	1	100	ND	µg/kg	1	100
Analysis Date:	10/24/16				10/24/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
F 562.926.8324

Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8260B **Units:** µg/kg or ppb **Job No:** 610081

Project Site: 747 W. Redondo Beach Bl **Matrix:** Soil

Project No. 01216285.00

Sample ID	Sample Date
SB17-15	10/21/2016

Analyte	Results	Units	DF	DLR
Benzene	ND	µg/kg	1	1
Bromobenzene	ND	µg/kg	1	1
Bromochloromethane	ND	µg/kg	1	1
Bromoform	ND	µg/kg	1	1
Bromomethane	ND	µg/kg	1	1
n-Butylbenzene	ND	µg/kg	1	1
sec-Butylbenzene	ND	µg/kg	1	1
tert-Butylbenzene	ND	µg/kg	1	1
Carbon Tetrachloride	ND	µg/kg	1	1
Chlorobenzene	ND	µg/kg	1	1
Chloroethane	ND	µg/kg	1	1
Chloroform	ND	µg/kg	1	1
Chloromethane	ND	µg/kg	1	1
2-Chlorotoluene	ND	µg/kg	1	1
4-Chlorotoluene	ND	µg/kg	1	1
2-Chloroethyl vinyl ether	ND	µg/kg	1	2
Dibromochloromethane	ND	µg/kg	1	1
1,2-Dibromo-3-chloropropane	ND	µg/kg	1	1
1,2-Dibromoethane (EDB)	ND	µg/kg	1	1
Dibromomethane	ND	µg/kg	1	1
1,2-Dichlorobenzene	ND	µg/kg	1	1
1,3-Dichlorobenzene	ND	µg/kg	1	1
1,4-Dichlorobenzene	ND	µg/kg	1	1
Dichlorodifluoromethane	ND	µg/kg	1	1
1,1-Dichloroethane	ND	µg/kg	1	1
1,2-Dichloroethane	ND	µg/kg	1	1
1,1-Dichloroethene	ND	µg/kg	1	1
cis-1,2 Dichloroethene	ND	µg/kg	1	1
Trans-1,2-Dichloroethene	ND	µg/kg	1	1
1,2-Dichloropropane	ND	µg/kg	1	1
1,3-Dichloropropane	ND	µg/kg	1	1
2,2-Dichloropropane	ND	µg/kg	1	1
1,1-Dichloropropene	ND	µg/kg	1	1
Cis-1,3-Dichloropropene	ND	µg/kg	1	1
trans-1,3-Dichloproene	ND	µg/kg	1	1
Ethylbenzene	ND	µg/kg	1	1
Hexachlorobutadiene	ND	µg/kg	1	1
Isopropylbenzene	ND	µg/kg	1	1
4-Isopropyltoluene	ND	µg/kg	1	1
Methylene Chloride	ND	µg/kg	1	5
Naphthalene	ND	µg/kg	1	1
n-propylbenzene	ND	µg/kg	1	1
Styrene	ND	µg/kg	1	1
1,1,1,2-Tetrachloroethane	ND	µg/kg	1	1
1,1,2,2-Tetrachloroethane	ND	µg/kg	1	1
Tetrachloroethene(PCE)	ND	µg/kg	1	1
Toluene	ND	µg/kg	1	1
1,2,3-Trichlorobenzene	ND	µg/kg	1	1
1,2,4-Trichlorobenzene	ND	µg/kg	1	1
1,1,1-Trichloroethane	ND	µg/kg	1	1
1,1,2-Trichloroethane	ND	µg/kg	1	1
Trichloroethene(TCE)	ND	µg/kg	1	1
Trichlorofluoromethane	ND	µg/kg	1	1
1,2,3-Trichloropropane	ND	µg/kg	1	1
1,2,4-Trimethylbenzene	ND	µg/kg	1	1
1,3,5-Trimethylbenzene	ND	µg/kg	1	1
Vinyl Chloride	ND	µg/kg	1	1
Total Xylenes	ND	µg/kg	1	2
Ethanol	ND	µg/kg	1	250
MTBE	ND	µg/kg	1	1
ETBE	ND	µg/kg	1	1
DIPE	ND	µg/kg	1	1
TAME	ND	µg/kg	1	1
TBA	ND	µg/kg	1	50
MEK	ND	µg/kg	1	10
MIBK	ND	µg/kg	1	10
2-Hexanone	ND	µg/kg	1	10
Acetone	ND	µg/kg	1	100

Analysis Date: 10/24/16

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8270C **Job No:** 610081
Project Site: 747 W. Redondo Beach Blvd **Units:** ug/kg or ppb

Sample ID	Sample Date
SB3-0.5	10/21/2016

Sample ID	Sample Date
SB3-2	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Phenol	ND	µg/kg	100	20000	ND	µg/kg	1	200
bis(2-Chloroethyl)Ether	ND	µg/kg	100	20000	ND	µg/kg	1	200
2-Chlorophenol	ND	µg/kg	100	20000	ND	µg/kg	1	200
1,3-Dichlorobenzene	ND	µg/kg	100	20000	ND	µg/kg	1	200
1,4-Dichlorobenzene	ND	µg/kg	100	20000	ND	µg/kg	1	200
Benzyl alcohol	ND	µg/kg	100	20000	ND	µg/kg	1	200
1,2-Dichlorobenzene	ND	µg/kg	100	20000	ND	µg/kg	1	200
2-Methylphenol(O-cresol)	ND	µg/kg	100	20000	ND	µg/kg	1	200
bis(2-Chloroisopropyl)Ether	ND	µg/kg	100	20000	ND	µg/kg	1	200
n-Nitroso-di-n-Propylamine	ND	µg/kg	100	20000	ND	µg/kg	1	200
4-Methylphenol(P-cresol)	ND	µg/kg	100	20000	ND	µg/kg	1	200
Hexachloroethane	ND	µg/kg	100	20000	ND	µg/kg	1	200
Nitrobenzene	ND	µg/kg	100	20000	ND	µg/kg	1	200
Isophorone	ND	µg/kg	100	20000	ND	µg/kg	1	200
2-Nitrophenol	ND	µg/kg	100	20000	ND	µg/kg	1	200
2,4-Dimethylphenol	ND	µg/kg	100	20000	ND	µg/kg	1	200
bis(2-Chloroethoxy) Methane	ND	µg/kg	100	20000	ND	µg/kg	1	200
2,4-Dichlorophenol	ND	µg/kg	100	40000	ND	µg/kg	1	400
1,2,4-Trichlorobenzene	ND	µg/kg	100	20000	ND	µg/kg	1	200
Naphthalene	ND	µg/kg	100	20000	ND	µg/kg	1	200
4-Chloroaniline	ND	µg/kg	100	20000	ND	µg/kg	1	200
Hexachlorobutadiene	ND	µg/kg	100	20000	ND	µg/kg	1	200
4-Chloro-3-Methylphenol	ND	µg/kg	100	20000	ND	µg/kg	1	200
2-Methlynaphthalene	ND	µg/kg	100	20000	ND	µg/kg	1	200
Hexachlorocyclopentadiene	ND	µg/kg	100	20000	ND	µg/kg	1	200
2,4,6-Trichlorophenol	ND	µg/kg	100	20000	ND	µg/kg	1	200
2,4,5-Trichlorophenol	ND	µg/kg	100	20000	ND	µg/kg	1	200
2-Chloronaphthalene	ND	µg/kg	100	20000	ND	µg/kg	1	200
2-Nitroaniline	ND	µg/kg	100	20000	ND	µg/kg	1	200
Dimethyl Phthalate	ND	µg/kg	100	20000	ND	µg/kg	1	200
Acenaphthylene	ND	µg/kg	100	20000	ND	µg/kg	1	200
2,6-Dinitrotoluene	ND	µg/kg	100	20000	ND	µg/kg	1	200
3-Nitroaniline	ND	µg/kg	100	20000	ND	µg/kg	1	200
Carbazole	ND	µg/kg	100	20000	ND	µg/kg	1	200
Benzoic Acid	ND	µg/kg	100	80000	ND	µg/kg	1	800
Acenaphthene	ND	µg/kg	100	20000	ND	µg/kg	1	200
2,4-Dinitrophenol	ND	µg/kg	100	20000	ND	µg/kg	1	200
Dibenzofuran	ND	µg/kg	100	20000	ND	µg/kg	1	200
4-Nitrophenol	ND	µg/kg	100	20000	ND	µg/kg	1	200
2,4-Dinitrotoluene	ND	µg/kg	100	20000	ND	µg/kg	1	200
Fluorene	ND	µg/kg	100	20000	ND	µg/kg	1	200
Diethyl Phthalate	ND	µg/kg	100	20000	ND	µg/kg	1	200
4-Chlorophenyl Phenyl Ether	ND	µg/kg	100	20000	ND	µg/kg	1	200
4-Nitroaniline	ND	µg/kg	100	20000	ND	µg/kg	1	200
4,6-Dinitro-2-methylphenol	ND	µg/kg	100	40000	ND	µg/kg	1	400
N-Nitrosodiphenylamine	ND	µg/kg	100	20000	ND	µg/kg	1	200
4-Bromophenyl Phenyl Ether	ND	µg/kg	100	20000	ND	µg/kg	1	200
Hexachlorobenzene(total)	ND	µg/kg	100	20000	ND	µg/kg	1	200
Pentachlorophenol	ND	µg/kg	100	40000	ND	µg/kg	1	400
Phenanthrene	ND	µg/kg	100	20000	ND	µg/kg	1	200
Anthracene	ND	µg/kg	100	20000	ND	µg/kg	1	200
Di-n-Butyl Phthalate	ND	µg/kg	100	20000	ND	µg/kg	1	200
Fluoranthene	ND	µg/kg	100	20000	ND	µg/kg	1	200
Pyrene	ND	µg/kg	100	20000	ND	µg/kg	1	200
Butyl Benzyl Phthalate	ND	µg/kg	100	20000	ND	µg/kg	1	200
Benzo(a)anthracene	ND	µg/kg	100	20000	ND	µg/kg	1	200
3,3-Dichlorobenzidine	ND	µg/kg	100	20000	ND	µg/kg	1	200
Chrysene	ND	µg/kg	100	20000	ND	µg/kg	1	200
bis(2-Ethylhexyl) Phthalate	46,400	µg/kg	100	20000	ND	µg/kg	1	200
Di-N-Octyl Phthalate	ND	µg/kg	100	20000	ND	µg/kg	1	200
Benzo(b)fluoranthene	ND	µg/kg	100	20000	ND	µg/kg	1	200
Benzo(k)fluoranthene	ND	µg/kg	100	20000	ND	µg/kg	1	200
Benzo(a)pyrene	ND	µg/kg	100	20000	ND	µg/kg	1	200
Indeno(1,2,3-C,D)Pyrene	ND	µg/kg	100	20000	ND	µg/kg	1	200
Dibenz(a,h)anthracene	ND	µg/kg	100	20000	ND	µg/kg	1	200
Benzo(g,h,i)perylene	ND	µg/kg	100	20000	ND	µg/kg	1	200
N-Nitrosodiemethylamine	ND	µg/kg	100	20000	ND	µg/kg	1	200
Pyridine	ND	µg/kg	100	20000	ND	µg/kg	1	200
Aniline	ND	µg/kg	100	20000	ND	µg/kg	1	200
Benzidine	ND	µg/kg	100	20000	ND	µg/kg	1	200

Analysis Date: 10/25/16 10/25/16

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8270C **Job No:** 610081
Project Site: 747 W. Redondo Beach Blvd **Units:** ug/kg or ppb

Sample ID	Sample Date
SB4-5	10/21/2016

Sample ID	Sample Date
SB5-5	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Phenol	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroethyl)Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Chlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
1,3-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
1,4-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzyl alcohol	ND	µg/kg	1	200	ND	µg/kg	1	200
1,2-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Methylphenol(O-cresol)	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroisopropyl)Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
n-Nitroso-di-n-Propylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Methylphenol(P-cresol)	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachloroethane	ND	µg/kg	1	200	ND	µg/kg	1	200
Nitrobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Isophorone	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Nitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dimethylphenol	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroethoxy) Methane	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dichlorophenol	ND	µg/kg	1	400	ND	µg/kg	1	400
1,2,4-Trichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Naphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chloroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorobutadiene	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chloro-3-Methylphenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Methlynaphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorocyclopentadiene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4,6-Trichlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4,5-Trichlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Chloronaphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Dimethyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Acenaphthylene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,6-Dinitrotoluene	ND	µg/kg	1	200	ND	µg/kg	1	200
3-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Carbazole	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzoic Acid	ND	µg/kg	1	800	ND	µg/kg	1	800
Acenaphthene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dinitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
Dibenzofuran	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Nitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dinitrotoluene	ND	µg/kg	1	200	ND	µg/kg	1	200
Fluorene	ND	µg/kg	1	200	ND	µg/kg	1	200
Diethyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chlorophenyl Phenyl Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
4,6-Dinitro-2-methylphenol	ND	µg/kg	1	400	ND	µg/kg	1	400
N-Nitrosodiphenylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Bromophenyl Phenyl Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorobenzene(total)	ND	µg/kg	1	200	ND	µg/kg	1	200
Pentachlorophenol	ND	µg/kg	1	400	ND	µg/kg	1	400
Phenanthrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
Di-n-Butyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Butyl Benzyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(a)anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
3,3-Dichlorobenzidine	ND	µg/kg	1	200	ND	µg/kg	1	200
Chrysene	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Ethylhexyl) Phthalate	ND	µg/kg	1	200	1,440	µg/kg	1	200
Di-N-Octyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(b)fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(k)fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(a)pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Indeno(1,2,3-C,D)Pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Dibenz(a,h)anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(g,h,i)perylene	ND	µg/kg	1	200	ND	µg/kg	1	200
N-Nitrosodiemethylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
Pyridine	ND	µg/kg	1	200	ND	µg/kg	1	200
Aniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzidine	ND	µg/kg	1	200	ND	µg/kg	1	200

Analysis Date: 10/24/16 10/24/16

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
F 562.926.8324

Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8270C **Job No:** 610081
Project Site: 747 W. Redondo Beach Blvd **Units:** ug/kg or ppb

	Sample ID	Sample Date			Sample ID	Sample Date		
	SB6-5	10/21/2016			SB7-5	10/21/2016		
Analyte	**Results**	**Units**	**DF**	**DLR**	**Results**	**Units**	**DF**	**DLR**
Phenol	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroethyl)Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Chlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
1,3-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
1,4-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzyl alcohol	ND	µg/kg	1	200	ND	µg/kg	1	200
1,2-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Methylphenol(O-cresol)	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroisopropyl)Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
n-Nitroso-di-n-Propylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Methylphenol(P-cresol)	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachloroethane	ND	µg/kg	1	200	ND	µg/kg	1	200
Nitrobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Isophorone	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Nitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dimethylphenol	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroethoxy) Methane	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dichlorophenol	ND	µg/kg	1	400	ND	µg/kg	1	400
1,2,4-Trichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Naphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chloroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorobutadiene	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chloro-3-Methylphenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Methlynaphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorocyclopentadiene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4,6-Trichlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4,5-Trichlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Chloronaphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Dimethyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Acenaphthylene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,6-Dinitrotoluene	ND	µg/kg	1	200	ND	µg/kg	1	200
3-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Carbazole	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzoic Acid	ND	µg/kg	1	800	ND	µg/kg	1	800
Acenaphthene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dinitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
Dibenzofuran	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Nitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dinitrotoluene	ND	µg/kg	1	200	ND	µg/kg	1	200
Fluorene	ND	µg/kg	1	200	ND	µg/kg	1	200
Diethyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chlorophenyl Phenyl Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
4,6-Dinitro-2-methylphenol	ND	µg/kg	1	400	ND	µg/kg	1	400
N-Nitrosodiphenylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Bromophenyl Phenyl Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorobenzene(total)	ND	µg/kg	1	200	ND	µg/kg	1	200
Pentachlorophenol	ND	µg/kg	1	400	ND	µg/kg	1	400
Phenanthrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
Di-n-Butyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Butyl Benzyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(a)anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
3,3-Dichlorobenzidine	ND	µg/kg	1	200	ND	µg/kg	1	200
Chrysene	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Ethylhexyl) Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Di-N-Octyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(b)fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(k)fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(a)pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Indeno(1,2,3-C,D)Pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Dibenz(a,h)anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(g,h,i)perylene	ND	µg/kg	1	200	ND	µg/kg	1	200
N-Nitrosodiemethylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
Pyridine	ND	µg/kg	1	200	ND	µg/kg	1	200
Aniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzidine	ND	µg/kg	1	200	ND	µg/kg	1	200
Analysis Date:	10/24/16				10/24/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8270C **Job No:** 610081
Project Site: 747 W. Redondo Beach Blvd **Units:** ug/kg or ppb

	Sample ID	Sample Date			Sample ID	Sample Date		
	SB8-2	10/21/2016			SB10-2	10/21/2016		
Analyte	**Results**	**Units**	**DF**	**DLR**	**Results**	**Units**	**DF**	**DLR**
Phenol	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroethyl)Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Chlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
1,3-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
1,4-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzyl alcohol	ND	µg/kg	1	200	ND	µg/kg	1	200
1,2-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Methylphenol(O-cresol)	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroisopropyl)Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
n-Nitroso-di-n-Propylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Methylphenol(P-cresol)	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachloroethane	ND	µg/kg	1	200	ND	µg/kg	1	200
Nitrobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Isophorone	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Nitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dimethylphenol	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroethoxy) Methane	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dichlorophenol	ND	µg/kg	1	400	ND	µg/kg	1	400
1,2,4-Trichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Naphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chloroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorobutadiene	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chloro-3-Methylphenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Methlynaphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorocyclopentadiene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4,6-Trichlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4,5-Trichlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Chloronaphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Dimethyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Acenaphthylene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,6-Dinitrotoluene	ND	µg/kg	1	200	ND	µg/kg	1	200
3-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Carbazole	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzoic Acid	ND	µg/kg	1	800	ND	µg/kg	1	800
Acenaphthene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dinitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
Dibenzofuran	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Nitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dinitrotoluene	ND	µg/kg	1	200	ND	µg/kg	1	200
Fluorene	ND	µg/kg	1	200	ND	µg/kg	1	200
Diethyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chlorophenyl Phenyl Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
4,6-Dinitro-2-methylphenol	ND	µg/kg	1	400	ND	µg/kg	1	400
N-Nitrosodiphenylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Bromophenyl Phenyl Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorobenzene(total)	ND	µg/kg	1	200	ND	µg/kg	1	200
Pentachlorophenol	ND	µg/kg	1	400	ND	µg/kg	1	400
Phenanthrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
Di-n-Butyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Butyl Benzyl Phthalate	ND	µg/kg	1	200	500	µg/kg	1	200
Benzo(a)anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
3,3-Dichlorobenzidine	ND	µg/kg	1	200	ND	µg/kg	1	200
Chrysene	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Ethylhexyl) Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Di-N-Octyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(b)fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(k)fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(a)pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Indeno(1,2,3-C,D)Pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Dibenz(a,h)anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(g,h,i)perylene	ND	µg/kg	1	200	ND	µg/kg	1	200
N-Nitrosodiemethylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
Pyridine	ND	µg/kg	1	200	ND	µg/kg	1	200
Aniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzidine	ND	µg/kg	1	200	ND	µg/kg	1	200
Analysis Date:	10/24/16				10/24/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8270C **Job No:** 610081
Project Site: 747 W. Redondo Beach Blvd **Units:** ug/kg or ppb

Sample ID	Sample Date
SB11-5	10/21/2016

Sample ID	Sample Date
SB11-10	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Phenol	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroethyl)Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Chlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
1,3-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
1,4-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzyl alcohol	ND	µg/kg	1	200	ND	µg/kg	1	200
1,2-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Methylphenol(O-cresol)	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroisopropyl)Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
n-Nitroso-di-n-Propylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Methylphenol(P-cresol)	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachloroethane	ND	µg/kg	1	200	ND	µg/kg	1	200
Nitrobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Isophorone	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Nitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dimethylphenol	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroethoxy) Methane	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dichlorophenol	ND	µg/kg	1	400	ND	µg/kg	1	400
1,2,4-Trichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Naphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chloroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorobutadiene	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chloro-3-Methylphenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Methlynaphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorocyclopentadiene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4,6-Trichlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4,5-Trichlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Chloronaphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Dimethyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Acenaphthylene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,6-Dinitrotoluene	ND	µg/kg	1	200	ND	µg/kg	1	200
3-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Carbazole	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzoic Acid	ND	µg/kg	1	800	ND	µg/kg	1	800
Acenaphthene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dinitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
Dibenzofuran	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Nitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dinitrotoluene	ND	µg/kg	1	200	ND	µg/kg	1	200
Fluorene	ND	µg/kg	1	200	ND	µg/kg	1	200
Diethyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chlorophenyl Phenyl Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
4,6-Dinitro-2-methylphenol	ND	µg/kg	1	400	ND	µg/kg	1	400
N-Nitrosodiphenylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Bromophenyl Phenyl Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorobenzene(total)	ND	µg/kg	1	200	ND	µg/kg	1	200
Pentachlorophenol	ND	µg/kg	1	400	ND	µg/kg	1	400
Phenanthrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
Di-n-Butyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Butyl Benzyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(a)anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
3,3-Dichlorobenzidine	ND	µg/kg	1	200	ND	µg/kg	1	200
Chrysene	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Ethylhexyl) Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Di-N-Octyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(b)fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(k)fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(a)pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Indeno(1,2,3-C,D)Pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Dibenz(a,h)anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(g,h,i)perylene	ND	µg/kg	1	200	ND	µg/kg	1	200
N-Nitrosodiemethylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
Pyridine	ND	µg/kg	1	200	ND	µg/kg	1	200
Aniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzidine	ND	µg/kg	1	200	ND	µg/kg	1	200

Analysis Date: 10/24/16 10/24/16

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8270C **Job No:** 610081
Project Site: 747 W. Redondo Beach Blvd **Units:** ug/kg or ppb

Sample ID	Sample Date
SB12-5	10/21/2016

Sample ID	Sample Date
SB12-10	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Phenol	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroethyl)Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Chlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
1,3-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
1,4-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzyl alcohol	ND	µg/kg	1	200	ND	µg/kg	1	200
1,2-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Methylphenol(O-cresol)	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroisopropyl)Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
n-Nitroso-di-n-Propylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Methylphenol(P-cresol)	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachloroethane	ND	µg/kg	1	200	ND	µg/kg	1	200
Nitrobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Isophorone	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Nitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dimethylphenol	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroethoxy) Methane	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dichlorophenol	ND	µg/kg	1	400	ND	µg/kg	1	400
1,2,4-Trichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Naphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chloroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorobutadiene	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chloro-3-Methylphenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Methlynaphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorocyclopentadiene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4,6-Trichlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4,5-Trichlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Chloronaphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Dimethyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Acenaphthylene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,6-Dinitrotoluene	ND	µg/kg	1	200	ND	µg/kg	1	200
3-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Carbazole	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzoic Acid	ND	µg/kg	1	800	ND	µg/kg	1	800
Acenaphthene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dinitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
Dibenzofuran	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Nitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dinitrotoluene	ND	µg/kg	1	200	ND	µg/kg	1	200
Fluorene	ND	µg/kg	1	200	ND	µg/kg	1	200
Diethyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chlorophenyl Phenyl Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
4,6-Dinitro-2-methylphenol	ND	µg/kg	1	400	ND	µg/kg	1	400
N-Nitrosodiphenylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Bromophenyl Phenyl Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorobenzene(total)	ND	µg/kg	1	200	ND	µg/kg	1	200
Pentachlorophenol	ND	µg/kg	1	400	ND	µg/kg	1	400
Phenanthrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
Di-n-Butyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Butyl Benzyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(a)anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
3,3-Dichlorobenzidine	ND	µg/kg	1	200	ND	µg/kg	1	200
Chrysene	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Ethylhexyl) Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Di-N-Octyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(b)fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(k)fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(a)pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Indeno(1,2,3-C,D)Pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Dibenz(a,h)anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(g,h,i)perylene	ND	µg/kg	1	200	ND	µg/kg	1	200
N-Nitrosodiemethylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
Pyridine	ND	µg/kg	1	200	ND	µg/kg	1	200
Aniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzidine	ND	µg/kg	1	200	ND	µg/kg	1	200

Analysis Date: 10/25/16 10/24/16

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
F 562.926.8324

Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8270C **Job No:** 610081
Project Site: 747 W. Redondo Beach Blvd **Units:** ug/kg or ppb

Sample ID	SB13-5	Sample ID	SB14-5
Sample Date	10/21/2016	Sample Date	10/21/2016

Analyte	Results	Units	DF	DLR	Results	Units	DF	DLR
Phenol	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroethyl)Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Chlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
1,3-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
1,4-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzyl alcohol	ND	µg/kg	1	200	ND	µg/kg	1	200
1,2-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Methylphenol(O-cresol)	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroisopropyl)Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
n-Nitroso-di-n-Propylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Methylphenol(P-cresol)	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachloroethane	ND	µg/kg	1	200	ND	µg/kg	1	200
Nitrobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Isophorone	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Nitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dimethylphenol	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroethoxy) Methane	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dichlorophenol	ND	µg/kg	1	400	ND	µg/kg	1	400
1,2,4-Trichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Naphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chloroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorobutadiene	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chloro-3-Methylphenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Methlynaphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorocyclopentadiene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4,6-Trichlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4,5-Trichlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Chloronaphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Dimethyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Acenaphthylene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,6-Dinitrotoluene	ND	µg/kg	1	200	ND	µg/kg	1	200
3-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Carbazole	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzoic Acid	ND	µg/kg	1	800	ND	µg/kg	1	800
Acenaphthene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dinitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
Dibenzofuran	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Nitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dinitrotoluene	ND	µg/kg	1	200	ND	µg/kg	1	200
Fluorene	ND	µg/kg	1	200	ND	µg/kg	1	200
Diethyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chlorophenyl Phenyl Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
4,6-Dinitro-2-methylphenol	ND	µg/kg	1	400	ND	µg/kg	1	400
N-Nitrosodiphenylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Bromophenyl Phenyl Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorobenzene(total)	ND	µg/kg	1	200	ND	µg/kg	1	200
Pentachlorophenol	ND	µg/kg	1	400	ND	µg/kg	1	400
Phenanthrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
Di-n-Butyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Butyl Benzyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(a)anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
3,3-Dichlorobenzidine	ND	µg/kg	1	200	ND	µg/kg	1	200
Chrysene	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Ethylhexyl) Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Di-N-Octyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(b)fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(k)fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(a)pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Indeno(1,2,3-C,D)Pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Dibenz(a,h)anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(g,h,i)perylene	ND	µg/kg	1	200	ND	µg/kg	1	200
N-Nitrosodiemethylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
Pyridine	ND	µg/kg	1	200	ND	µg/kg	1	200
Aniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzidine	ND	µg/kg	1	200	ND	µg/kg	1	200

Analysis Date: 10/24/16 10/24/16

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
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Certificate of Analysis

Client: SCS Engineers **EPA Method:** 8270C **Job No:** 610081
Project Site: 747 W. Redondo Beach Blvd **Units:** ug/kg or ppb

	Sample ID	Sample Date			Sample ID	Sample Date		
	SB15-5	10/21/2016			SB17-5	10/21/2016		
Analyte	**Results**	**Units**	**DF**	**DLR**	**Results**	**Units**	**DF**	**DLR**
Phenol	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroethyl)Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Chlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
1,3-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
1,4-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzyl alcohol	ND	µg/kg	1	200	ND	µg/kg	1	200
1,2-Dichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Methylphenol(O-cresol)	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroisopropyl)Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
n-Nitroso-di-n-Propylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Methylphenol(P-cresol)	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachloroethane	ND	µg/kg	1	200	ND	µg/kg	1	200
Nitrobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Isophorone	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Nitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dimethylphenol	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Chloroethoxy) Methane	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dichlorophenol	ND	µg/kg	1	400	ND	µg/kg	1	400
1,2,4-Trichlorobenzene	ND	µg/kg	1	200	ND	µg/kg	1	200
Naphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chloroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorobutadiene	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chloro-3-Methylphenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Methlynaphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorocyclopentadiene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4,6-Trichlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4,5-Trichlorophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Chloronaphthalene	ND	µg/kg	1	200	ND	µg/kg	1	200
2-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Dimethyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Acenaphthylene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,6-Dinitrotoluene	ND	µg/kg	1	200	ND	µg/kg	1	200
3-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Carbazole	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzoic Acid	ND	µg/kg	1	800	ND	µg/kg	1	800
Acenaphthene	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dinitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
Dibenzofuran	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Nitrophenol	ND	µg/kg	1	200	ND	µg/kg	1	200
2,4-Dinitrotoluene	ND	µg/kg	1	200	ND	µg/kg	1	200
Fluorene	ND	µg/kg	1	200	ND	µg/kg	1	200
Diethyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Chlorophenyl Phenyl Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Nitroaniline	ND	µg/kg	1	200	ND	µg/kg	1	200
4,6-Dinitro-2-methylphenol	ND	µg/kg	1	400	ND	µg/kg	1	400
N-Nitrosodiphenylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
4-Bromophenyl Phenyl Ether	ND	µg/kg	1	200	ND	µg/kg	1	200
Hexachlorobenzene(total)	ND	µg/kg	1	200	ND	µg/kg	1	200
Pentachlorophenol	ND	µg/kg	1	400	ND	µg/kg	1	400
Phenanthrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
Di-n-Butyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Butyl Benzyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(a)anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
3,3-Dichlorobenzidine	ND	µg/kg	1	200	ND	µg/kg	1	200
Chrysene	ND	µg/kg	1	200	ND	µg/kg	1	200
bis(2-Ethylhexyl) Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Di-N-Octyl Phthalate	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(b)fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(k)fluoranthene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(a)pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Indeno(1,2,3-C,D)Pyrene	ND	µg/kg	1	200	ND	µg/kg	1	200
Dibenz(a,h)anthracene	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzo(g,h,i)perylene	ND	µg/kg	1	200	ND	µg/kg	1	200
N-Nitrosodiemethylamine	ND	µg/kg	1	200	ND	µg/kg	1	200
Pyridine	ND	µg/kg	1	200	ND	µg/kg	1	200
Aniline	ND	µg/kg	1	200	ND	µg/kg	1	200
Benzidine	ND	µg/kg	1	200	ND	µg/kg	1	200
Analysis Date:	10/25/16				10/25/16			

ND : Not detected at or above DLR
DLR: Detection Limit for Reporting Purposes

CHEMTEK
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13554 Larwin Cir., Santa Fe Springs, CA 90670
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Certificate of Analysis

Client: SCS Engineers
Project Site: 747 W. Redondo Beach Blvd
Project No: 01216285.00

EPA Method: 8015M
units: mg/kg or ppm

Job No: 610081
Report Date: 10/25/16
Date of Sample: 10/21/16
Date Received: 10/21/16
Sample Matrix: Soil

Sample ID	UNITS	Gas Range (C4-C12)	DF	DLR	Diesel Range (C13-C22)	DF	DLR	Oil Range (C23-36)	DF	DLR
SB1-CT	mg/kg	2.57	1	0.20	566	1	5.0	2,190	1	10
SB1-CB	mg/kg	0.53	1	0.20	192	1	5.0	860	1	10
SB1-0.5	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB1-2	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB2-0.5	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB2-2	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB3-CT	mg/kg	1.78	1	0.20	302	1	5.0	1,430	1	10
SB3-CB	mg/kg	1.37	1	0.20	942	1	5.0	3,450	1	10
SB3-0.5	mg/kg	0.35	1	0.20	4,010	10	50.0	15,900	10	100
SB3-2	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB4-1	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB4-5	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB4-10	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB5-1	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB5-5	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB5-10	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB6-1	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB6-5	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB6-10	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB7-1	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB7-5	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB7-10	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB8-CT	mg/kg	0.41	1	0.20	1,380	1	5.0	2,950	1	10
SB8-CB	mg/kg	0.29	1	0.20	550	1	5.0	1,030	1	10
SB8-0.5	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB8-2	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB9-0.5	mg/kg	0.21	1	0.20	ND	1	5.0	ND	1	10
SB9-2	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB10-CT	mg/kg	0.66	1	0.20	11,400	10	50.0	17,500	10	100
SB10-CB	mg/kg	ND	1	0.20	122	1	5.0	55.9	1	10
SB10-0.5	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB10-2	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB13-5	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB13-10	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB13-15	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB13-20	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB14-5	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB14-10	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB14-15	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB14-20	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB15-5	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB15-10	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB15-15	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB16-5	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB16-10	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB16-15	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB17-5	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB17-10	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
SB17-15	mg/kg	ND	1	0.20	ND	1	5.0	ND	1	10
Sample Date:		10/21/16			10/21/16			10/21/16		
Analysis Date:		10/21-24/16			10/21-24/16			10/21-24/16		

ND : Not detected at or above DLR DLR: Detection Limit for Reporting Purposes

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
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Certificate of Analysis

Client: SCS Engineers
Project Site: 747 W. Redondo Beach Blvd
Project No: 01216285.00

Job No: 610081
Report Date: 10/25/16
Date of Sample: 10/21/16
Date Received: 10/21/16
Sample Matrix: Soil

EPA Method: 6010B Metals **Units:** ppm or mg/Kg

Client Sample ID:	SB11-5	SB11-10	SB12-5	SB12-10	SB15-5	SB15-10	SB15-15	SB16-5	Detection
Dilution Factor:	1	1	1	1	1	1	1	1	Limit
Analyte	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	2.00
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	2.00
Barium	74.7	74.4	87.9	130	135	120	180	206	1.00
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	1.00
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	1.00
Chromium	12.3	17.8	16.8	24.1	27.9	24.3	23.1	29.6	1.00
Cobalt	8.81	13.2	10.5	15.1	15.7	15.4	16.2	17.9	2.00
Copper	35.1	15.7	22.8	18.4	25.3	27.3	34.8	24.6	2.00
Lead	13.8	3.38	31.6	4.30	6.49	4.46	5.77	6.31	2.00
Molybdenum	ND	ND	ND	ND	ND	ND	ND	ND	2.00
Nickel	8.25	14.6	11.1	19.7	19.3	18.3	19.6	20.4	2.00
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	2.00
Silver	ND	ND	ND	ND	ND	ND	ND	ND	1.00
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	2.00
Vanadium	25.5	43.9	31.3	52.1	55.2	51.7	50.5	53.7	2.00
Zinc	43.9	43.9	91.3	48.1	72.7	59.4	68.1	64.1	5.00
Analysis Date:	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	

EPA Method: 7471A Mercury **Units:** ppm or mg/Kg

Client Sample ID:	SB11-5	SB11-10	SB12-5	SB12-10	SB15-5	SB15-10	SB15-15	SB16-5	Detection
Dilution Factor:	1	1	1	1	1	1	1	1	Limit
Analyte	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Analysis Date:	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	

ND: Not Detected Below (DF x Detection Limit)
DF: Dilution Factor

CHEMTEK
environmental laboratories
13554 Larwin Cir., Santa Fe Springs, CA 90670
T 562.926.9848
F 562.926.8324

Certificate of Analysis

Client: SCS Engineers
Project Site: 747 W. Redondo Beach Blvd
Project No: 01216285.00

Job No: 610081
Report Date: 10/25/16
Date of Sample: 10/21/16
Date Received: 10/21/16
Sample Matrix: Soil

EPA Method: 6010B Metals **Units:** ppm or mg/Kg

Client Sample ID:	SB16-10	SB16-15	SB17-5	SB17-10	SB17-15	Detection
Dilution Factor:	1	1	1	1	1	Limit
Analyte	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
Antimony	ND	ND	ND	ND	ND	2.00
Arsenic	ND	ND	ND	ND	ND	2.00
Barium	103	182	218	137	164	1.00
Beryllium	ND	ND	ND	ND	ND	1.00
Cadmium	ND	ND	ND	ND	ND	1.00
Chromium	28.8	27.8	25.4	20.2	19.1	1.00
Cobalt	17.9	16.1	19.4	15.3	13.4	2.00
Copper	28.4	30.8	22.2	23.5	23.1	2.00
Lead	5.72	4.97	6.57	4.45	3.90	2.00
Molybdenum	ND	ND	ND	ND	ND	2.00
Nickel	22.8	21.8	19.4	17.7	15.4	2.00
Selenium	ND	ND	ND	ND	ND	2.00
Silver	ND	ND	ND	ND	ND	1.00
Thallium	ND	ND	ND	ND	ND	2.00
Vanadium	55.3	55.4	53.5	47.7	43.0	2.00
Zinc	65.7	74.9	61.8	53.1	58.5	5.00
Analysis Date:	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	

EPA Method: 7471A Mercury **Units:** ppm or mg/Kg

Client Sample ID:	SB16-10	SB16-15	SB17-5	SB17-10	SB17-15	Detection
Dilution Factor:	1	1	1	1	1	Limit
Analyte	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
Mercury	ND	ND	ND	ND	ND	0.05
Analysis Date:	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	

ND: Not Detected Below (DF x Detection Limit)
DF: Dilution Factor

CHEMTEK
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Certificate of Analysis

Client: SCS Engineers
3900 Kilroy Airport Way #100
Long Beach, CA
EPA Method: 8082
Attention:

Project No. 01216285.00
Project Site: 747 W. Redondo Beach Blvd
Units: ppm or mg/kg

Job No: 610081
Report Date: 10/25/16
Date of Sample: 10/21/16
Date Received: 10/21/16
Sample Matrix: Soil

Client Sample ID:	SB1-CT	SB1-CB	SB1-0.5	SB2-0.5	SB3-CT	SB3-CB	SB3-0.5	SB8-CT	SB8-CB	SB8-0.5	Reporting
Dilution Factor:	1	1	1	1	1	1	1	1	1	1	Limit
	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
PCB 1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
PCB 1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
PCB 1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
PCB 1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
PCB 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
PCB 1254	ND	ND	ND	ND	ND	ND	ND	ND	0.217	ND	0.05
PCB 1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05
Analysis Date:	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	10/24/16	

Client Sample ID:	SB9-0.5	SB10-CT	SB10-CB	SB10-0.5	Reporting
Dilution Factor:	1	1	1	1	Limit
	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
PCB 1016	ND	ND	ND	ND	0.05
PCB 1221	ND	ND	ND	ND	0.05
PCB 1232	ND	ND	ND	ND	0.05
PCB 1242	ND	ND	ND	ND	0.05
PCB 1248	ND	ND	ND	ND	0.05
PCB 1254	ND	ND	ND	ND	0.05
PCB 1260	ND	ND	ND	ND	0.05
Analysis Date:	10/24/16	10/24/16	10/24/16	10/24/16	

ND: Not Detected Below (DF x Detection Limit)
DF: Dilution Factor

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QC Analysis Date: 10/24/16
QC Lab ID: 610081-43A
Units: ppm
Job No: 610081

QUALITY CONTROL DATA (MS/MSD)

EPA METHOD: 6010B

ANALYTE	BLANK RESULT	SPIKE CONC.	MS % REC	MSD % REC	% RPD	% RPD ACCEPT LIMITS	% REC ACCEPT LIMITS
Antimony	ND	1.00	106.0	106.0	0.0%	30	70-130
Arsenic	ND	1.00	103.0	102.0	1.0%	30	70-130
Barium	ND	1.00	101.0	102.0	1.0%	30	70-130
Beryllium	ND	1.00	104.0	106.0	1.9%	30	70-130
Cadmium	ND	1.00	101.0	99.0	2.0%	30	70-130
Chromium	ND	1.00	105.0	106.0	0.9%	30	70-130
Cobalt	ND	1.00	102.0	103.0	1.0%	30	70-130
Copper	ND	1.00	99.8	101.2	1.4%	30	70-130
Lead	ND	1.00	108.0	106.0	1.9%	30	70-130
Molybdenum	ND	1.00	109.0	108.0	0.9%	30	70-130
Nickel	ND	1.00	105.0	105.0	0.0%	30	70-130
Selenium	ND	1.00	104.0	104.0	0.0%	30	70-130
Silver	ND	1.00	85.0	86.0	1.2%	30	70-130
Thallium	ND	1.00	102.0	109.0	6.6%	30	70-130
Vanadium	ND	1.00	103.0	107.0	3.8%	30	70-130
Zinc	ND	1.00	101.0	106.0	4.8%	30	70-130

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QC Analysis Date: 10/21/16 **Job No:** 610081
QC Lab ID: 610081-3A
Units: ppb

QUALITY CONTROL DATA

EPA METHOD: 8260B(VOC's)

ANALYTE	BLANK RESULT	SPIKE CONC.	MS % REC	MSD % REC	% RPD	% RPD ACCEPT LIMITS	% REC ACCEPT LIMITS
1,1-Dichloroethene	ND	25	105.6	96.3	9.2%	30	70-130
Benzene	ND	25	97.0	89.4	8.2%	30	70-130
Trichloroethylene	ND	25	100.6	92.9	8.0%	30	70-130
Toluene	ND	25	96.7	92.1	4.9%	30	70-130
Chlorobenzene	ND	25	97.9	92.8	5.3%	30	70-130

QC Analysis Date: 10/22/16
QC Lab ID: 610081-24A
Units: ppm

QUALITY CONTROL DATA

EPA METHOD: 8015M(TPH Gas Range Organics)

ANALYTE	BLANK RESULT	SPIKE CONC.	MS % REC	MSD % REC	% RPD	% RPD ACCEPT LIMITS	% REC ACCEPT LIMITS
GRO (TPH)	ND	0.5	83.6	86.3	3.2%	30	70-130

QC Analysis Date: 10/24/16
QC Lab ID: 610081-40A
Units: ppm

QUALITY CONTROL DATA

EPA METHOD: 8015M(TPH Diesel Range Organics)

ANALYTE	BLANK RESULT	SPIKE CONC.	MS % REC	MSD % REC	% RPD	% RPD ACCEPT LIMITS	% REC ACCEPT LIMITS
DRO (TPH)	ND	100	117.8	128.6	8.8%	30	70-130

APPENDIX C

H&P LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

Mobile Geochemistry Inc.

27 October 2016

Ms. Ashley Hutchens
SCS Engineers - Long Beach
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806-6816

H&P Project: SCS102116-SB2
Client Project: 01216285.00 / 15134 S Vermont Ave

Dear Ms. Ashley Hutchens:

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 21-Oct-16 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, the National Environmental Laboratory Accreditation Conference (NELAC) and the Department of Defense Accreditation Programs.

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV1-5'	E610109-01	Vapor	21-Oct-16	21-Oct-16
SV2-5'	E610109-02	Vapor	21-Oct-16	21-Oct-16
SV2-5' Rep	E610109-03	Vapor	21-Oct-16	21-Oct-16
SV3-5'	E610109-04	Vapor	21-Oct-16	21-Oct-16
SV4-5'	E610109-05	Vapor	21-Oct-16	21-Oct-16
SV5-5'	E610109-06	Vapor	21-Oct-16	21-Oct-16
SV7-5'	E610109-07	Vapor	21-Oct-16	21-Oct-16
SV8-5'	E610109-08	Vapor	21-Oct-16	21-Oct-16
SV9-5'	E610109-09	Vapor	21-Oct-16	21-Oct-16
SV10-5'	E610109-10	Vapor	21-Oct-16	21-Oct-16
SV12-5'	E610109-11	Vapor	21-Oct-16	21-Oct-16
SV11-5'	E610109-12	Vapor	21-Oct-16	21-Oct-16
SV13-5'	E610109-13	Vapor	21-Oct-16	21-Oct-16
SV14-5'	E610109-14	Vapor	21-Oct-16	21-Oct-16
SV6-3'	E610109-15	Vapor	21-Oct-16	21-Oct-16

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

DETECTIONS SUMMARY

Sample ID: **SV1-5'** Laboratory ID: **E610109-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**0.11**	0.08	ug/l	H&P 8260SV	
Trichloroethene	**0.12**	0.08	ug/l	H&P 8260SV	
Tetrachloroethene	**7.0**	0.08	ug/l	H&P 8260SV	

Sample ID: **SV2-5'** Laboratory ID: **E610109-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**0.21**	0.08	ug/l	H&P 8260SV	
Tetrachloroethene	**12**	0.08	ug/l	H&P 8260SV	

Sample ID: **SV2-5' Rep** Laboratory ID: **E610109-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**0.08**	0.08	ug/l	H&P 8260SV	
Trichloroethene	**0.19**	0.08	ug/l	H&P 8260SV	
Tetrachloroethene	**9.8**	0.08	ug/l	H&P 8260SV	

Sample ID: **SV3-5'** Laboratory ID: **E610109-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**0.12**	0.08	ug/l	H&P 8260SV	
Trichloroethene	**0.43**	0.08	ug/l	H&P 8260SV	
Tetrachloroethene	**21**	0.08	ug/l	H&P 8260SV	

Sample ID: **SV4-5'** Laboratory ID: **E610109-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**0.17**	0.04	ug/l	H&P 8260SV	
cis-1,2-Dichloroethene	**3.8**	0.40	ug/l	H&P 8260SV	
Benzene	**0.15**	0.08	ug/l	H&P 8260SV	
Trichloroethene	**0.14**	0.08	ug/l	H&P 8260SV	
Tetrachloroethene	**1.2**	0.08	ug/l	H&P 8260SV	

Sample ID: **SV5-5'** Laboratory ID: **E610109-06**

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

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Sample ID: **SV7-5'** Laboratory ID: **E610109-07**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

Sample ID: **SV8-5'** Laboratory ID: **E610109-08**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**0.08**	0.08	ug/l	H&P 8260SV	
Tetrachloroethene	**4.1**	0.08	ug/l	H&P 8260SV	

Sample ID: **SV9-5'** Laboratory ID: **E610109-09**

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**0.20**	0.08	ug/l	H&P 8260SV	
Ethylbenzene	**2.3**	0.40	ug/l	H&P 8260SV	
m,p-Xylene	**23**	0.40	ug/l	H&P 8260SV	
o-Xylene	**5.8**	0.40	ug/l	H&P 8260SV	
Isopropylbenzene (Cumene)	**0.96**	0.40	ug/l	H&P 8260SV	
n-Propylbenzene	**2.6**	0.40	ug/l	H&P 8260SV	
1,3,5-Trimethylbenzene	**12**	0.40	ug/l	H&P 8260SV	
1,2,4-Trimethylbenzene	**24**	0.40	ug/l	H&P 8260SV	
p-Isopropyltoluene	**0.44**	0.40	ug/l	H&P 8260SV	

Sample ID: **SV10-5'** Laboratory ID: **E610109-10**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**0.09**	0.08	ug/l	H&P 8260SV	
Trichloroethene	**0.08**	0.08	ug/l	H&P 8260SV	
Tetrachloroethene	**3.5**	0.08	ug/l	H&P 8260SV	
m,p-Xylene	**0.44**	0.40	ug/l	H&P 8260SV	

Sample ID: **SV12-5'** Laboratory ID: **E610109-11**

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

Sample ID: **SV11-5'** Laboratory ID: **E610109-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**0.12**	0.08	ug/l	H&P 8260SV	
Tetrachloroethene	**0.12**	0.08	ug/l	H&P 8260SV	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Sample ID: **SV11-5'** Laboratory ID: **E610109-12**

Analyte	Result	Reporting Limit	Units	Method	Notes
m,p-Xylene	**0.98**	0.40	ug/l	H&P 8260SV	

Sample ID: **SV13-5'** Laboratory ID: **E610109-13**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**0.07**	0.04	ug/l	H&P 8260SV	
Benzene	**0.25**	0.08	ug/l	H&P 8260SV	
Trichloroethene	**0.20**	0.08	ug/l	H&P 8260SV	
Tetrachloroethene	**0.66**	0.08	ug/l	H&P 8260SV	
m,p-Xylene	**0.46**	0.40	ug/l	H&P 8260SV	

Sample ID: **SV14-5'** Laboratory ID: **E610109-14**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**0.13**	0.08	ug/l	H&P 8260SV	
m,p-Xylene	**0.48**	0.40	ug/l	H&P 8260SV	

Sample ID: **SV6-3'** Laboratory ID: **E610109-15**

Analyte	Result	Reporting Limit	Units	Method	Notes
Vinyl chloride	**0.08**	0.04	ug/l	H&P 8260SV	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-5' (E610109-01) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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	**0.11**	0.08	"	"	"	"	"	"	
Trichloroethene	**0.12**	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	**7.0**	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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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-5' (E610109-01) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
o-Xylene	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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		*102 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*98.2 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.3 %*		*75-125*	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5' (E610109-02) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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	**0.21**	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	**12**	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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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5' (E610109-02) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
o-Xylene	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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		*97.4 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.3 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*99.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*75-125*	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5' Rep (E610109-03) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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	**0.08**	0.08	"	"	"	"	"	"	
Trichloroethene	**0.19**	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	**9.8**	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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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5' Rep (E610109-03) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
o-Xylene	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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		*99.0 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*100 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*97.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.6 %*		*75-125*	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-5' (E610109-04) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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	**0.12**	0.08	"	"	"	"	"	"	
Trichloroethene	**0.43**	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	**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	"	"	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-5' (E610109-04) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
o-Xylene	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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		*97.5 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.1 %*		*75-125*	"	"	"	"	

H&P Mobile
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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV4-5' (E610109-05) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	**0.17**	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	**3.8**	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	**0.15**	0.08	"	"	"	"	"	"	
Trichloroethene	**0.14**	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	**1.2**	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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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV4-5' (E610109-05) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
o-Xylene	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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		*95.3 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*93.4 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*96.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90.7 %*		*75-125*	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-5' (E610109-06) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV5-5' (E610109-06) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
o-Xylene	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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		*95.2 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*97.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*		*75-125*	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV7-5' (E610109-07) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV7-5' (E610109-07) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
o-Xylene	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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		*108 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*107 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.2 %*		*75-125*	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV8-5' (E610109-08) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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	**0.08**	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	**4.1**	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	"	"	"	"	"	"	

H&P Mobile
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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV8-5' (E610109-08) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
o-Xylene	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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		*95.7 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*94.0 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*98.1 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.4 %*		*75-125*	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV9-5' (E610109-09) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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	**0.20**	0.08	"	"	"	"	"	"	
Dibromochloromethane	ND	0.40	"	"	"	"	"	"	
Chlorobenzene	ND	0.08	"	"	"	"	"	"	
Ethylbenzene	**2.3**	0.40	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
m,p-Xylene	**23**	0.40	"	"	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV9-5' (E610109-09) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
o-Xylene	**5.8**	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	H&P 8260SV	
Styrene	ND	0.40	"	"	"	"	"	"	
Bromoform	ND	0.40	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	**0.96**	0.40	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.40	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.40	"	"	"	"	"	"	
n-Propylbenzene	**2.6**	0.40	"	"	"	"	"	"	
Bromobenzene	ND	0.40	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	**12**	0.40	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.40	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.40	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**24**	0.40	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.40	"	"	"	"	"	"	
p-Isopropyltoluene	**0.44**	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		*98.1 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*100 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*85.1 %*		*75-125*	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV10-5' (E610109-10) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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	**0.09**	0.08	"	"	"	"	"	"	
Trichloroethene	**0.08**	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	**3.5**	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	**0.44**	0.40	"	"	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV10-5' (E610109-10) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
o-Xylene	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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		*97.8 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.4 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*97.7 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.5 %*		*75-125*	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV12-5' (E610109-11) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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	**0.08**	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	"	"	"	"	"	"	

H&P Mobile
Geochemistry Inc.

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV12-5' (E610109-11) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
o-Xylene	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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		*95.7 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*98.9 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.5 %*		*75-125*	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV11-5' (E610109-12) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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	**0.12**	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	**0.12**	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	**0.98**	0.40	"	"	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV11-5' (E610109-12) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
o-Xylene	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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		*97.3 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*99.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.2 %*		*75-125*	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV13-5' (E610109-13) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	**0.07**	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	**0.25**	0.08	"	"	"	"	"	"	
Trichloroethene	**0.20**	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	**0.66**	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	**0.46**	0.40	"	"	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV13-5' (E610109-13) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
o-Xylene	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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		*102 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*103 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.6 %*		*75-125*	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV14-5' (E610109-14) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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	**0.13**	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	**0.48**	0.40	"	"	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV14-5' (E610109-14) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
o-Xylene	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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		*96.1 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*102 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.5 %*		*75-125*	"	"	"	"	

H&P Mobile
Geochemistry Inc.

2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
760-804-9159 Fax

SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV6-3' (E610109-15) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
1,1-Difluoroethane (LCC)	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.40	"	"	"	"	"	"	
Chloromethane	ND	0.40	"	"	"	"	"	"	
Vinyl chloride	**0.08**	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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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV6-3' (E610109-15) Vapor Sampled: 21-Oct-16 Received: 21-Oct-16									
o-Xylene	ND	0.40	ug/l	0.04	EJ62102	21-Oct-16	21-Oct-16	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		*94.4 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.1 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*98.3 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.1 %*		*75-125*	"	"	"	"	

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

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 EJ62102 - EPA 5030										
Blank (EJ62102-BLK1)				Prepared & Analyzed: 21-Oct-16						
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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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

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 EJ62102 - EPA 5030										
Blank (EJ62102-BLK1)				Prepared & Analyzed: 21-Oct-16						
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	*1.90*		*"*	*2.00*		*95.2*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*1.79*		*"*	*2.00*		*89.3*	*75-125*			
Surrogate: Toluene-d8	*1.99*		*"*	*2.00*		*99.4*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*1.97*		*"*	*2.00*		*98.6*	*75-125*			

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

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 EJ62102 - EPA 5030										
LCS (EJ62102-BS1)				Prepared & Analyzed: 21-Oct-16						
Dichlorodifluoromethane (F12)	3.8	0.50	ug/l	5.00		76.4	70-130			
Vinyl chloride	4.8	0.05	"	5.00		95.1	70-130			
Chloroethane	5.0	0.50	"	5.00		99.2	70-130			
Trichlorofluoromethane (F11)	5.6	0.50	"	5.00		111	70-130			
1,1-Dichloroethene	5.3	0.50	"	5.00		107	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	5.8	0.50	"	5.00		117	70-130			
Methylene chloride (Dichloromethane)	5.4	0.50	"	5.00		108	70-130			
trans-1,2-Dichloroethene	5.4	0.50	"	5.00		108	70-130			
1,1-Dichloroethane	5.0	0.50	"	5.00		99.9	70-130			
cis-1,2-Dichloroethene	5.6	0.50	"	5.00		112	70-130			
Chloroform	5.5	0.10	"	5.00		110	70-130			
1,1,1-Trichloroethane	5.1	0.50	"	5.00		103	70-130			
Carbon tetrachloride	5.4	0.10	"	5.00		109	70-130			
1,2-Dichloroethane (EDC)	5.4	0.10	"	5.00		109	70-130			
Benzene	5.1	0.10	"	5.00		102	70-130			
Trichloroethene	5.6	0.10	"	5.00		112	70-130			
Toluene	4.9	1.0	"	5.00		98.2	70-130			
1,1,2-Trichloroethane	5.0	0.50	"	5.00		101	70-130			
Tetrachloroethene	4.9	0.10	"	5.00		97.8	70-130			
Ethylbenzene	4.8	0.50	"	5.00		96.6	70-130			
1,1,1,2-Tetrachloroethane	4.9	0.50	"	5.00		99.0	70-130			
m,p-Xylene	9.7	0.50	"	10.0		97.1	70-130			
o-Xylene	4.8	0.50	"	5.00		95.8	70-130			
1,1,2,2-Tetrachloroethane	4.2	0.50	"	5.00		84.3	70-130			
Surrogate: Dibromofluoromethane	*2.67*		*"*	*2.50*		*107*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.62*		*"*	*2.50*		*105*	*75-125*			
Surrogate: Toluene-d8	*2.68*		*"*	*2.50*		*107*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.34*		*"*	*2.50*		*93.7*	*75-125*			

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SCS Engineers - Long Beach	Project: SCS102116-SB2	
3900 Kilroy Airport Way, Suite 100	Project Number: 01216285.00 / 15134 S Vermont Ave	Reported:
Long Beach, CA 90806-6816	Project Manager: Ms. Ashley Hutchens	27-Oct-16 14:04

Notes and Definitions

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

Appendix

H&P Mobile Geochemistry, Inc. is approved as an Environmental Testing Laboratory and Mobile Laboratory in accordance with the DoD-ELAP and the ISO 17025 programs, certification number L15-279-R1

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.

H&P Mobile Geochemistry, Inc.

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VAPOR / AIR Chain of Custody

DATE: 10-21-16
Page 1 of 2

Lab Client and Project Information

Lab Client/Consultant: SCS Engineers	Project Name / #: 01216285.00
Lab Client Project Manager: Ashley Hutchens	Project Location: 15134 S. Vermont Ave., Gardena
Lab Client Address: 3900 Kilroy Airport Way, Ste. 100	Report E-Mail(s): ahutchens@scsengineers.com CRomanowski@
Lab Client City, State, Zip: Long Beach, CA. 90806	
Phone Number: 562-426-9544 x 3066	

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): A. Wagner
Signature:
Date: 10-21-16

Sample Receipt (Lab Use Only)

Date Rec'd: 10-21-16	Control #: 160977.031.04
H&P Project # SCS102116-SB1 (SB2)	
Lab Work Order # EJ610109 / EJ62102	

Sample Intact: [ ] Yes [ ] No [ ] See Notes Below

Receipt Gauge ID: Temp:

Outside Lab:

Receipt Notes/Tracking #:

Lab PM Initials:

Additional Instructions to Laboratory:

[X] Check if Project Analyte List is Attached

** 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 or Tedlar or Tube	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List [X] 8260SV [ ] TO-15	VOCs Short List / Project List [ ] 8260SV [ ] TO-15	Oxygenates [ ] 8260SV [ ] TO-15	Naphthalene [ ] 8260SV [ ] TO-15 [ ] TO-17m	TPHv as Gas [ ] 8260SVm [ ] TO-15m	TPHv as Diesel (sorbent tube) [ ] TO-17m	Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m	Leak Check Compound [X] DFA [ ] IPA [ ] He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2			
1	SV1-5'		10/21/16	1040	SV	Glass Syringe			X							X					
2	SV2-5'			1114					X							X					
3	SV2-5 Rep			1115					X							X					
4	SV3-5'			1120					X							X					
5	SV4-5'			1125					X							X					
6	SV5-5'			1150					X							X					
7	SV7-5'			1203					X							X					
8	SV8-5'			1257					X							X					
9	SV9-5'			1303					X							X					
10	SV10-5'			1315					X							X					

Approved/Relinquished by:	Company: SCS	Date: 10/21/16	Time: 4:10pm	Received by:	Company: H&P Mobile	Date: 10-21-16	Time: 1610
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

Rev 08/18/2014

H&P Mobile Geochemistry, Inc.

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VAPOR / AIR Chain of Custody

DATE: 10-21-16
Page 2 of 2

Lab Client and Project Information

Lab Client/Consultant: SCS Engineers
Lab Client Project Manager: Ashley Hutchens
Lab Client Address: 3900 Kilroy Airport Way, Ste. 100
Lab Client City, State, Zip: Long Beach, CA. 90806
Phone Number: 562-426-9544 x3066

Project Name / #: 01216785.00
Project Location: 15134 S. Veromont Ave., Gardena
Report E-Mail(s): ahutchens@scsengineers.com
CRomanowski@

Sample Receipt (Lab Use Only)

Date Rec'd: 10-21-16
Control #: 160977.03/.04
H&P Project #: SCS102116-SB1
Lab Work Order #: E610109/EJ62102
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): A Wagner
Signature:
Date: 10-21-16

Additional Instructions to Laboratory:

☒ Check if Project Analyte List is Attached
** 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 or Tedlar or Tube	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 ☐ TO-17m	TPHv as Gas ☐ 8260SVm ☐ TO-15m	TPHv as Diesel (sorbent tube) ☐ TO-17m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☒ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2			
11	SV12-5'		10/21/16	1331	SV	Glass Syringe			X							X					
12	SV11-5'		↓	1347	↓	↓			X							X					
13	SV13-5'			1419					X							X					
14	SV14-5'			1430					X							X					
15	~~SV6-5'~~ SV6-3			1535					X							X					

Approved/Relinquished by: Company: SCS Date: 10/21/16 Time: 4:00pm
Received by: Company: H&P Mobile Date: 10-21-16 Time: 1610

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

Rev 08/18/2014

H&P Mobile Geochemistry Inc.

2470 Impala Drive, Carlsbad, CA 92010
Los Angeles Field Office in Signal Hill, CA
Ph: 800-834-9888 www.handpmg.com

H&P 8260SV (Modified EPA 8260B)

Analyte	*CAS No.*	*Low RL* Vapor (µg/L)*
Dichlorodifluoromethane (F12)	75-71-8	0.4
Chloromethane	74-87-3	0.4
Vinyl chloride	75-01-4	0.04
Bromomethane	74-83-9	0.4
Chloroethane	75-00-3	0.4
Trichlorofluoromethane (F11)	75-69-4	0.4
1,1-Dichloroethene	75-35-4	0.4
1,1,2-Trichlorotrifluoroethane (F113)	76-13-1	0.4
Methylene chloride (Dichloromethane)	75-09-2	0.4
Methyl tertiary-butyl ether (MTBE)	1634-04-4	0.4
trans-1,2-Dichloroethene	156-60-5	0.4
1,1-Dichloroethane	75-34-3	0.4
2,2-Dichloropropane	594-20-7	0.4
cis-1,2-Dichloroethene	156-59-2	0.4
Bromochloromethane	74-97-5	0.4
Chloroform	67-66-3	0.08
1,1,1-Trichloroethane	71-55-6	0.4
1,1-Dichloropropene	563-58-6	0.4
Carbon tetrachloride	56-23-5	0.08
1,2-Dichloroethane (EDC)	107-06-2	0.08
Benzene	71-43-2	0.08
Trichloroethene	79-01-6	0.08
1,2-Dichloropropane	78-87-5	0.4
Dibromomethane	74-95-3	0.4
Bromodichloromethane	75-27-4	0.4
cis-1,3-Dichloropropene	10061-01-5	0.4
Toluene	108-88-3	0.8
trans-1,3-Dichloropropene	10061-02-6	0.4
1,1,2-Trichloroethane	79-00-5	0.4
1,3-Dichloropropane	142-28-9	0.4
Tetrachloroethene	127-18-4	0.08
Dibromochloromethane	124-48-1	0.4
1,2-Dibromoethane (EDB)	106-93-4	0.4
Chlorobenzene	108-90-7	0.08
1,1,1,2-Tetrachloroethane	630-20-6	0.4
Ethylbenzene	100-41-4	0.4
m,p-Xylene	179601-23-1	0.4
o-Xylene	95-47-6	0.4
Styrene	100-42-5	0.4
Bromoform	75-25-2	0.4
Isopropylbenzene (Cumene)	98-82-8	0.4
1,1,2,2-Tetrachloroethane	79-34-5	0.4
n-Propylbenzene	103-65-1	0.4
1,2,3-Trichloropropane	96-18-4	0.4
Bromobenzene	108-86-1	0.4
2-Chlorotoluene	95-49-8	0.4
1,3,5-Trimethylbenzene	108-67-8	0.4
4-Chlorotoluene	106-43-4	0.4

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H&P 8260SV (Modified EPA 8260B)

Analyte	*CAS No.*	*Low RL* Vapor (µg/L)*
tert-Butylbenzene	98-06-6	0.4
1,2,4-Trimethylbenzene	95-63-6	0.4
sec-Butylbenzene	135-98-8	0.4
p-Isopropyltoluene	99-87-6	0.4
1,3-Dichlorobenzene	541-73-1	0.4
1,4-Dichlorobenzene	106-46-7	0.4
n-Butylbenzene	104-51-8	0.4
1,2-Dichlorobenzene	95-50-1	0.4
1,2-Dibromo-3-chloropropane	96-12-8	4.0
1,2,4-Trichlorobenzene	120-82-1	0.4
Hexachlorobutadiene	87-68-3	0.4
Naphthalene	91-20-3	0.08
1,2,3-Trichlorobenzene	87-61-6	0.4
Leak Check Compound		
1,1-Difluoroethane	75-37-6	0.4

**NOTE: 25cc sample for Low RL*

H&P Mobile Geochemistry Inc.

FMS004
Revision: 3
Revised: 1/15/2016
Effective: 1/25/2016
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Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: SCS10 2116-SB2 Date: 10/21/16

Site Address: 15134 S. Vermont Ave., Gardena Page: 1 of 2

Consultant: SCS Engineers H&P Rep(s): A. Wagner

Consultant Rep(s): Chris

Reviewed: DB

Scanned: DB

Equipment Info
Inline Gauge ID#: T29
Pump ID#: NA

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

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

	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	SV1-5	185	50	1040	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	NA	200	2
2	SV2-5	209		1114	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	NA	200	0
3	SV2-5 REP	149		1115	5	7	1/8	12	1.5	6	1.5	✓	✓	697	250	NA	200	0
4	SV3-5	205		1120	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	NA	200	0
5	SV4-5	216		1125	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	NA	200	0
6	SV5-5	242		1150	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	NA	200	0
7	SV7-5	251		1203	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	NA	200	0
8	SV8-5	250		1257	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	NA	200	0
9	SV9-5	205		1303	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	NA	200	0
10	SV10-5	216		1315	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	NA	200	0
11	SV12-5	185		1331	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	NA	200	0
12	SV11-5	207		1347	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	NA	200	1

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

Attempted to purge SV6-5. pulled H2O. need to reset and resample

H&P Mobile Geochemistry Inc.

FMS004
Revision: 3
Revised: 1/15/2016
Effective: 1/25/2016
Page 1 of 1

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: SCS102116-SB2 Date: 10/21/16

Site Address: 15134 S. Vermont Ave., Gardena Page: 2 of 2

Consultant: SCS Engineers H&P Rep(s): A. Wagner Reviewed: DB

Consultant Rep(s): Chris Scanned: DB

Equipment Info
Inline Gauge ID#: T29
Pump ID#: NA

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

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

	Sample 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	SV13-5	225	50	1419	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	NA	200	3
2	SV14-5	251	"	1430	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	NA	200	0
3	~~SV6-5~~ SV6-3	242	"	1535	3/8	7	1/8	12	1.5	6	1.5	✓	✓	697	200	NA	200	0
4	DB 10/26/16				DB 10/26													
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):
3) SV6-3 was re-installed @ 3' due to high vacuum @ 5'. DB 10/26/16