# Phase II Environmental Site Assessment

## Assessor's Parcel Numbers 644-050-13 and -14 and the Western Portion of 644-050-08
## 821 Main Street, Chula Vista, CA 91911

Presented to:

VWP-OP Nirvana Owner, LLC
2390 East Camelback Road Ste. 305
Phoenix, Arizona 85016

SCS ENGINEERS

01221156.00 | December 7, 2021

8799 Balboa Avenue, Suite 290
San Diego, CA 92123
858-571-5500

December 7, 2021
**Number: 01221156.00**

Mr. Steven Schwarz
VWP-OP Nirvana Owner, LLC
2390 East Camelback Road Ste. 305
Phoenix, AZ 85016

**RE:** **Phase II Environmental Site Assessment**

**Site:** **Assessor's Parcel Numbers (APNs) 644-050-13 and -14 and the Western Portion of 644-050-08**
**821 Main Street, Chula Vista, California 91911**

Dear Mr. Schwarz:

SCS Engineers (SCS) is pleased to present this report (Report) of the soil and soil vapor sampling and human health risk screening (Phase II Environmental Site Assessment [Phase II ESA]) of the above-described Site that was conducted in order to evaluate the Site's current environmental conditions.

The work described in this Report was performed by SCS in general accordance with Exhibit 00 to the Assignment and Assumption of Contracts (Contract) between SCS and VWP-OP Nirvana Owner, LLC (Client), fully executed on June 22, 2021, and Scope of Services Change Number 3, fully executed on November 3, 2021. SCS enjoyed working with you on this project. Providing economical environmental solutions to meet your needs is more than our goal—it is our mission and the measure of our success. If we may assist you in any way, now or in the future, please call our office at (858) 571-5500.

Sincerely,

Allison O'Neal
Staff Professional
**SCS ENGINEERS**

Luke Montague, MESM, PG 8071
Vice President
**SCS ENGINEERS**

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# 1 BACKGROUND

SCS Engineers (SCS) understands that 821 Main Street consists of two full parcels of land (APNs 644-050-13 & -14)and the western portion of a third parcel of land (APN 644-050-08) totaling approximately 17.11 acres of land in Chula Vista, California (Site) (Figure 1). The Site consists of a vacant hillside that is bordered by Main Street to the south, and several industrial properties to the east and upgradient of the Site, including a general contractor yard and vehicle storage and salvage lots. The Client is proposing to purchase the Site for development into an industrial land use.

SCS completed a report titled *Phase I Environmental Site Assessment* for the Site, dated September 23, 2021 (Phase I ESA). Although the Phase I ESA did not reveal evidence of recognized environmental conditions, after discussions with the Client and the Client's investor, the Client is requesting subsurface assessment activities for the following environmental concerns that were identified in the Phase I ESA:

- On-Site drainage channels and adjacent upgradient industrial properties – two drainage channels transect the central and western portions of the Site that convey surface water from upgradient industrial properties, and portions of these drainage channels are unlined (Figures 2 and 3). The central portion of the north adjacent property at 800 to 880 Energy Way, identified as LKQ Pick Your Part that serves as an automobile maintenance/storage yard (former wrecking yard), was interpreted to drain into the central drainage system that transects the Site. The western drainage channel adjacent to the northwest tenant, FJ Willert Contracting at 1869 Nirvana Way, was obscured due to heavy vegetation.

- Totes adjacent to the Site with unidentified contents – several totes with unidentified dark colored liquid and solid contents, with grassy vegetation growing from within the totes, were observed adjacent to the northern property line toward the eastern edge of the Site (Figures 2 and 3) at the time of the Phase I ESA (note that these totes were removed from the adjacent northern property at the time that subsurface assessment activities were conducted by SCS on November 11, 2021). These totes are believed to be derived from the adjacent LKQ Pick Your Part facility at 800 to 880 Energy Way.

Based on the findings presented in the Phase I ESA, SCS previously collected three representative surficial soil samples from sediments within the on-Site drainage channels on July 13, 2021, and analyzed the samples for constituents of concern (CoCs) including total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs), and Title 22 metals. The results of the sampling indicated detectable levels of TPH that were below health risk-based screening levels, and were transmitted to the Client within an email submittal.

Based on a request from the Client's investor and conversations with the Client, SCS has conducted the following scope of services consisting of additional shallow soil sampling as well as soil vapor sampling to additionally assess for the potential environmental concerns that were identified in the Phase I ESA associated with the drainage channels and adjacent upgradient industrial properties and totes adjacent to the Site with unidentified contents.

# 2 OBJECTIVES

The objectives of the scope of services were to:

- Assess the possible presence and concentrations of CoCs (i.e., petroleum hydrocarbons, polycyclic aromatic hydrocarbons [PAHs], VOCs, and Title 22 metals) within representative locations within the on-Site drainage channels, in connection with possible impacts from the northern adjacent industrial properties.

- Assess the possible presence and concentrations of VOCs in the shallow soil vapor beneath the Site in connection with possible releases from the northern adjacent industrial properties that may have impacted the Site.

- Assess the likelihood that Significant[1] human health risk exists at the Site as a result of vapor phase migration of VOCs.

# 3 PHASE II ESA

## PREPARATION FOR FIELDWORK

### Preparation of Health and Safety Plan

A health and safety plan for work conducted at the Site and workers within the "exclusion zone" is required pursuant to the regulations found in 29 Code of Federal Regulations (CFR) Part 1910.120 and California Code of Regulations (CCR), Title 8, Section 5192. Therefore, a health and safety plan was prepared for the proposed work scope, which outlined the potential chemical and physical hazards that may have been encountered during drilling and sampling activities. The appropriate personal protective equipment and emergency response procedures for the anticipated Site-specific chemical and physical hazards were detailed in this plan. SCS and contracted personnel involved with the proposed field work were required to read and sign this document in order to encourage proper health and safety practices.

### Utility Search and Markout

SCS notified Underground Service Alert on November 4, 2021, as required by state law, prior to drilling and sampling activities and was issued ticket number B213080820. In addition, a private utility locator, Subsurface Alert, was subcontracted to clear the proposed boring locations for possible subsurface utility conflicts. These procedures were designed to minimize the likelihood of drilling into a subsurface utility.

## FIELD ACTIVITIES

### Soil Vapor Sampling and Analysis

On November 11, 2021, SCS oversaw the drilling and installation of three soil vapor probes (SV1 through SV3) to assess the possible presence and concentrations of VOCs in the soil vapor in connection with possible subsurface impacts from the adjacent upgradient industrial facilities. The following table describes the proposed soil vapor sampling locations and depth. Locations of soil vapor samples are included in Figure 2.

[1] For the purposes of this assessment, significant is defined as greater than one in 1,000,000 excess lifetime cancer risk or a hazard index of greater than 1.

| Vapor Boring ID | Location | Sample Depth (feet bgs) | Analysis |
|---|---|---|---|
| SV1 | Northwest corner of the Site toward the top of the western drainage channel, to assess for possible impacts from the adjacent FJ Willert Contracting at 1869 Nirvana Way | 4 | 1 VOC |
| SV2 | Toward the center of the northern property line at the Site toward the top of the central drainage channel, to assess for possible impacts from the adjacent LKQ Pick Your Part facility at 800 to 880 Energy Way | 2 | 1 VOC |
| SV3, SV3-3 Rep | Northeast corner of the Site adjacent to unidentified totes, to assess for possible impacts from the totes and the adjacent LKQ Pick Your Part facility at 800 to 880 Energy Way | 3 | 2 VOCs |

Note:
bgs: below ground surface.

The soil vapor sample borings SV1 through SV3 were advanced with an electric rotohammer to the attempted depth of 5 feet below grade, although due to practical refusal encountered with the rotohammer due to stiff and rocky soil, the borings were advanced to the maximum attainable depths ranging from approximately 2 to 4 feet below grade. Note that due to the rugged and slopped nature of the Site, it was not considered feasible to use a drill rig or limited access drill rig to advance the proposed soil vapor borings.

Soil vapor sampling activities were conducted in general accordance with the Department of Toxic Substances Control (DTSC), Los Angeles Regional Water Quality Control Board (RWQCB), and San Francisco RWQCB Advisory on Active Soil Gas Investigations, dated July 2015. A temporary soil vapor well, consisting of Nylaflow™ tubing attached to a soil gas probe tip, was installed near the bottom of each boring. An appropriate sand pack a minimum of 6 inches thick was placed around the soil gas probe tip, and the borings were backfilled with at least 6 inches of dry granular bentonite above each sample port, then topped with hydrated granular bentonite to the surface. The soil vapor sampling probes were allowed to stabilize for approximately 2 hours prior to sampling, followed by removing the DTSC-default of three purge volumes, and performing a shut-in test and leak test.

Soil vapor samples were collected from the soil vapor sampling probes by collecting soil vapor drawn through the probes into laboratory-provided glass syringes. Soil vapor samples were delivered to an off-Site state-certified, mobile laboratory (H&P Mobile Geochemistry) and analyzed for VOCs in general accordance with U.S. Environmental Protection Agency (EPA) Method TO-15. In accordance with the DTSC guidance, one replicate sample was analyzed (SV3-3 Rep). Chain-of-custody procedures were implemented for sample tracking.

## Soil Sampling and Analysis

On July 13, 2021, SCS collected soil samples using a trowel (borings SB1 through SB3) to the total depth of 0.5 feet below grade at the Site. On November 11, 2021, SCS advanced five additional soil borings by using a hand-held auger (borings SB4 through SB8) to total depths of up to 2.0 feet below grade at the Site, collecting soil samples at approximate depths of 0.5 feet below grade and 1 to 2 feet below grade. Locations of the soil samples are included in Figure 3. The following table summarizes the completed soil borings with depths and laboratory analysis for soil samples.

| Boring ID | Boring Location | Sample Depths/ Lab Analysis | Number of Samples Analyzed |
|---|---|---|---|
| SB1 | Within representative portions of the western drainage channel | 0.5 feet: TPH, VOCs, and Title 22 Metals | 1 TPH<br>1 VOCs<br>1 Metals |
| SB2, SB3 | Within representative portions of the central drainage channel | 0.5 feet: TPH, VOCs, and Title 22 Metals | 2 TPH<br>2 VOCs<br>2 Metals |
| SB4, SB5, SB6 | Within representative portions of the western drainage channel | 0.5 feet: TPH, PAHs, and VOCs<br>1-1.75 feet (SB6) or 2 feet (SB4 and SB5): Archived | 3 TPH<br>3 PAHs<br>3 VOCs |
| SB7, SB8 | Within representative portions of the central drainage channel | 0.5 feet: TPH, PAHs, and VOCs<br>1-1.75 feet (SB7) and 2 feet (SB8): Archive | 2 TPH<br>2 PAHs<br>2 VOCs |
| TOTALS | | Soil Samples Analyses:<br>8 TPH, 5 PAHs, 8 VOCs, 3 Metals | |

Notes:
PAHs: Polycyclic aromatic hydrocarbons analyzed in general accordance with EPA Method 8270C SIM.
TPH: Total petroleum hydrocarbons analyzed in general accordance with EPA Method 8015B.
VOCs: Volatile organic compounds analyzed in general accordance with EPA Method 8260B.
Title 22 Metals analyzed in general accordance with EPA Method 6010B.

Soil samples were collected with the trowel or hand-held auger and were transferred directly from the blade or barrel of the hand auger with a gloved hand into a new 4-ounce glass jar.

The sampling equipment was decontaminated on-Site between soil samples to minimize the likelihood of "cross-contaminating" the samples and to minimize the potential for a "false positive" in the soil samples analyzed. The soil cuttings from the hand auger borings were used to backfill the borings.

The sample containers were labeled and delivered to an off-Site laboratory for analysis. Chain-of-custody procedures were implemented for sample tracking. A copy of the laboratory analytical report is provided in Appendix A.

## SOIL SCREENING REGULATORY CRITERIA FOR COC-BEARING SOIL

Concentrations of CoCs that are reported by the laboratory in soils at the Site are compared to applicable regulatory screening values to assess whether certain soils will require segregation and proper management during Site development.

There are two categories of mitigation work that will be required and are principally based upon risk-based corrective action. These categories include:

- **Health Risk-Based Mitigation Criteria** - risk-driven remediation required by future land uses and protection of workers, and

- **Waste-Based Mitigation Criteria** - in the event that soil is exported off Site, in which case soil may be considered regulated waste provided it contains detectable concentrations of TPH, VOCs, PAHs, or elevated concentrations of metals such as lead or arsenic.

Soil screening criteria are used in this Report for comparison of the reported soil sample results to applicable health risk-based and waste-based soil for the detected CoCs. The applicable soil screening applied in the "Findings" section below includes the following:

## Health Risk-Based Mitigation Criteria

For health risk-based screening purposes, to screen soil for possible risks to residential users and workers at the Site:

- **For TPH and VOCs,** the San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (ESLs) for commercial/industrial users, dated 2019, revision 2
- **For SVOCs and metals,** the DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3, June 2020: Recommended Screening Levels (RSLs) for commercial/industrial soil are used.
- **For other PAHs where the DTSC RSLs are not established (phenanthrene)**, the EPA RSLs for commercial/industrial soil, November 2021, are used.

## Waste-Based Mitigation Criteria

For waste-based screening purposes, the below criteria are applied in the event that soil is exported from the Site. Also, based on our experience working with the San Diego County Department of Health Services (DEH), it is recommended that soil that is classified as a hazardous waste be exported to an appropriately licensed facility rather than be left on-Site.

- **For "clean" or inert (Inert[2]) soil that is exported from the Site**, the San Diego RWQCB Tier 1 Soil Screening Levels[3] (SSLs) established in the RWQCB *Order No. R9-2019-0005, Conditional Waivers of Waste Discharge Requirements for Low Threat Discharges in the San Diego Region*, May 2019 (Waiver) are intended to be the criteria by which exported waste soil is judged to be inert, described within the Waiver as "inert waste soils that can be reused without restriction."

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[2] Inert soil - For the purposes of this Report, Inert is defined as soil that does not contain detectable concentrations of constituents of concern with the possible exception of California Code Regulations Title 22 metals (with metals concentrations below the San Diego Regional Water Quality Control Board [RWQCB] Tier 1 Soil Screening Levels using a 90 percent upper confidence limit), or leachable concentrations of organic constituents that are consistent with the definition of "inert waste" specified in California Code of Regulations Title 27, section 20230, consistent with the RWQCB *Order No. R9-2019-0005, Conditional Waivers of Waste Discharge Requirements for Low Threat Discharges in the San Diego Region*, May 2019 (Waiver). This soil may consist of native/formational material as well as fill soil that does not have significant quantities of debris.

[3] The Tier 1 SSLs presented in the RWQCB Waiver are intended to be the criteria by which soils are judged to be Inert waste soils that can be reused without restriction, subject to the General Waiver Conditions. The General Waiver Conditions stipulate that discharges/disposal of solid wastes to land must not be allowed to directly or indirectly enter any municipal separate storm sewer system (MS4s) or surface waters of the State, must not cause or threaten to cause a condition of contamination, pollution, or nuisance, and must comply with local, State, and federal ordinances and regulations and obtain any required permits, certifications, and/or licenses.

- For chemical CoCs including TPH, VOCs, and PAHs, all soil containing any detectable or leachable concentrations of chemical CoCs proposed for export off Site would need to be disposed of as regulated, non-hazardous waste at a minimum per the Tier 1 SSLs.

- For metals that are naturally occurring, the Tier 1 SSL for lead is 23.9 milligrams per kilogram (mg/kg) and the Tier 1 SSL for arsenic is 3.5 mg/kg. If soil was to be exported as Inert, excavated Site soils must be shown through the collection of soil samples and analysis for lead and other metals, with the 90% upper confidence limit (UCL), to be below the Tier 1 SSL.

- Non-hazardous regulated waste soils are exported soils that have concentrations of CoCs that exceed the Tier 1 SSLs (discussed above), and also have concentrations of CoCs below hazardous waste-based criteria (discussed below). Non-hazardous regulated soils must be disposed of at a properly licensed facility, such as a landfill. The acceptance of non-hazardous soils at disposal facilities are subject to the acceptance criteria established by these facilities.

- For characterizing soil as hazardous waste, the California Code of Regulations, Title 22 Article 3, was used.

    - Soil is characterized as a California hazardous waste, at a minimum, upon exceedance of the total concentrations of a CoC to the Total Threshold Limit Concentration (TTLC), and/or by comparing the results of a Waste Extraction Test (WET) to the Soluble Threshold Limit Concentration (STLC).

    - Soil is characterized as a federal or Resource, Conservation, and Recovery Act (RCRA) hazardous waste through an exceedance of Toxicity Characteristic Leaching Procedure (TCLP) laboratory results upon comparison to the respective Maximum Contaminant Concentration for the Toxicity Characteristic (MCCTC).

# 4 FINDINGS

## TOPOGRAPHY, GEOLOGY, HYDROGEOLOGY, AND WATER QUALITY SURVEY

### Topography

A topographic map for the Site vicinity was reviewed and is summarized in the following table.

| | |
|---|---|
| **Reported Elevation** | 135 to 220 feet above mean sea level |
| **Reported Slope Direction** | Slopes down to the south toward the Otay River |
| **Source** | United States Geological Survey 7.5 Minute Topographic Map Imperial Beach Quadrangle, California – San Diego County, 2018 |

## Geology

A geological map for the Site vicinity was reviewed and is summarized in the following table.

| | |
|---|---|
| **Reported Formation** | Young alluvial flood plain deposits (Qya) Holocene and late Pleistocene aged |
| **Reported Description** | Poorly consolidated, poorly sorted, permeable flood-plain deposits of sandy, silty or clay-bearing alluvium |
| **Source** | Kennedy, Michael P., and Siang S. Tan, Geologic Map of the San Diego 30' × 60' Quadrangle, California, California Geological Survey, 2008 |

## Hydrogeology

Data regarding depth to groundwater and flow direction for the Site were not readily available. In the absence of Site-specific data, depth to groundwater and flow direction information was reviewed for properties within the Site vicinity using the State Water Resources Control Board GeoTracker database. The following table summarizes the results of this review.

| | |
|---|---|
| **Property Location** | Approximately 425 feet to the west of the Site |
| **Reported Depth to Groundwater** | 48.3 feet below grade in monitoring well MW12, closest to the Site |
| **Reported Groundwater Flow Direction** | Southwest |
| **Source** | Second Semi-Annual 2020 Groundwater Monitoring and Remedial Progress Report Former Crown Chemical Corporation Facility, 1888 Nirvana Avenue Chula Vista, California 91911 prepared by Arcadis and dated January 29, 2021 |

Please note that many variables influence depth to groundwater and flow direction and the actual depth to groundwater and flow direction at the Site may be different than presented in this section.

## Water Quality Survey

The following table summarizes the reported water quality in the Site vicinity.

| | |
|---|---|
| **Reported Hydrologic Area** | Otay Valley (910.20) |
| **Reported Hydrologic Unit** | Otay (910.00) |
| **Reported Beneficial Use** | Industrial |
| **Source** | *California RWQCB, San Diego Region, Water Quality Control Plan for the San Diego Basin, September 8, 1994*, with amendments effective prior to May 17, 2016 |

# LABORATORY ANALYTICAL RESULTS AND SCREENING

## Soil Vapor Sample Analytical Results

A summary of the laboratory analytical results for soil vapor is presented below. A complete listing of the results is presented in the laboratory analytical report included in Appendix A. The data are presented in Table 1 and depicted on Figure 2.

### VOCs

A total of four soil vapor samples, identified as SV1-4, SV2-2, SV3-3, and SV3-3 Rep, were analyzed for VOCs in general accordance with EPA Method TO-15.

Carbon disulfide was reported to be present in one of the four soil vapor samples at the concentration of 47 micrograms per liter (µg/L) (SV2-2).

Toluene was reported to be present in three of the four soil vapor samples at concentrations ranging from 8.8 µg/L (SV3-3 Rep) and 19 µg/L (SV2-2).

m,p-Xylene was reported to be present in two of the four soil vapor samples at concentrations ranging from 9.2 µg/L (SV3-3) and 26 µg/L (SV2-2).

o-Xylene was reported to be present in one of the four soil vapor samples at the concentration of 7.2 µg/L (SV2-2).

1,2,4-Trimethlybenzene was reported to be present in one of the four soil vapor samples at the concentration of 12 µg/L (SV2-2).

Chloroform was reported to be present in one of the four soil vapor samples at the concentration of 9.0 µg/L (SV1-4).

All other VOCs analyzed were reported to be below the respective laboratory reporting limits. Please refer to the analytical laboratory reports contained in Appendix A for a full listing of VOCs analyzed and their respective reporting limits.

Since VOCs were reported to be present above laboratory reporting limits, a vapor intrusion risk screening (VIRS) was conducted to assess the likelihood that a Significant vapor intrusion risk exists at the Site as a result of vapor phase migration of CVOCs. See the "Vapor Intrusion Risk Screening (VIRS)" section below.

### VOCs in Soil Vapor

The VOCs reported to be present in soil vapor beneath the Site included carbon disulfide, toluene, m,p-xylene, o-xylene, 1,2,4-trimethylbenzene, and chloroform. Carbon disulfide, toluene, m,p-xylene, o-xylene, and 1,2,4-trimethylbenzene are typical constituents of petroleum hydrocarbons, likely from the nearby industrial properties or other off-Site sources. Chloroform is a routine drinking water disinfection byproduct (trihalomethanes) and is often present in soil and soil vapor from treated tap water via irrigation or other sources of drinking water. Chloroform is formed when chlorine reacts with natural organic humic materials and bromine via the haloform reaction in water.[4] Overall, based on the low concentrations at which they were detected, it's unlikely the VOCs in soil vapor resulted

[4] Morrison, D. and B.L. Murphy. 2013. Chlorinated Solvents: A Forensic Evaluation. RSC Publishing. Cambridge.

from a point source or significant release at the Site, but more likely have migrated beneath the Site from the nearby industrial properties or another off-Site source.

## Vapor Intrusion Risk Screening (VIRS)

Since VOCs were reported to be present in soil vapor beneath the Site, a VIRS was conducted to assess the potential for Significant human health risk posed to occupants of the proposed commercial/industrial Site buildings due to the upward migration of VOCs in soil vapor. SCS understands that as of January 24, 2019, the DTSC has archived the Johnson and Ettinger Human Health Risk Assessment Model. Therefore, SCS has conducted a vapor intrusion risk screening using current DTSC screening criteria, as described below, and the Site-specific slab attenuation factor, as described above.

### Approach

VOCs may originate from either impacted soil or groundwater. In this case, VOCs are interpreted to be from possible subsurface impacts from the adjacent upgradient industrial facilities or another off-Site source, which were able to migrate in soil vapor beneath the Site. The highest soil vapor concentrations detected beneath the Site were conservatively assumed to be present beneath the entire Site to estimate conservative case-scenario-predicted indoor air concentrations for the future commercial/industrial buildings at the Site. The estimates of the theoretical indoor air concentrations were then compared against the most recently published screening levels[5] to assess the potential for Significant human health risk posed to commercial/industrial users of the Site due to the upward migration of VOCs in soil vapor.

The VIRS was conducted using the DTSC default Attenuation Factor[6] (AF) of 0.0005 for future commercial industrial buildings. To be conservative, the AF was applied to the highest reported concentration of each constituent (carbon disulfide, toluene, m,p-xylene, o-xylene, 1,2,4-trimethlybenzene, and chloroform) reported in soil vapor. The resulting values were compared against the DTSC-Modified Screening Levels (DTSC-SLs) provided in DTSC Human Health Risk Assessment (HHRA) Note 3.[5]

### VIRS Results

The maximum reported concentrations of VOCs detected at the Site are presented in the table below, along with the associated DTSC-SL. Please note that only the constituents reported to be present beneath the Site building were evaluated.

| VOC | Maximum Concentration Detected Beneath the Site Building | Predicted Indoor Air Concentration1 | DTSC/EPA Screening Levels2 |
|---|---|---|---|
| | (µg/m3) | | |
| Carbon disulfide | 47 | 0.0235 | 3,100^ |
| Toluene | 19 | 0.0095 | 1,300 |
| m,p-Xylene | 26 | 0.013 | 440^ |
| o-Xylene | 7.2 | 0.0036 | 440^ |

[5] Human Health Risk Assessment Note 3 - DTSC-Modified Screening Levels (DTSC-SLs), Table 3. Screening Levels for Ambient Air, June 2020 Update.

[6] Department of Toxic Substances Control (DTSC), State of California Vapor Intrusion Guidance Document - Final, dated October 2011.

| VOC | Maximum Concentration Detected Beneath the Site Building | Predicted Indoor Air Concentration1 | DTSC/EPA Screening Levels2 |
|---|---|---|---|
| | (µg/m3) | | |
| 1,2,4-Trimethylbenzene | 12 | 0.006 | 260^ |
| Chloroform | 9.0 | 0.0045 | 0.53^ |

Notes:

µg/m$^3$ – micrograms per cubic meter.

1 Soil vapor concentration multiplied by the attenuation factor (AF) of 0.0005 for future commercial use, as determined by DTSC Final Vapor Intrusion Guidance dated October 2011.

2 DTSC Human Health Risk Assessment Note 3 - DTSC-Modified Screening Levels (DTSC-SLs), June 2020.
^ A DTSC-SL has not been established for this constituent (carbon disulfide, m,p- and o-xylenes, and 1, 2, 4-trimethylbenzene). The Environmental Protection Agency (EPA) Regional Screening Level (RSL), dated November 2021, was used for this constituent.

After applying the DTSC attenuation factor of 0.0005 for a future commercial/industrial land use to the maximum reported concentrations of the constituents reported to be present beneath the Site (carbon disulfide, toluene, m,p-xylene, o-xylene, 1,2,4-trimethylbenzene, and chloroform), the maximum theoretical concentrations of VOCs in indoor air at the Site are below the commercial/industrial screening levels (DTSC-SLs or RSLs).[7]

## Soil Sample Analytical Results

A summary of the laboratory analytical results for soil is presented below, along with screening the reported results to the Site to the Health Risk-Based Mitigation Criteria and Waste-Based Mitigation Criteria, as defined in the "Soil Screening Regulatory Criteria for CoC-Bearing Soil" section above. A complete listing of the results is presented in the laboratory analytical report included in Appendix A. The data are presented in Tables 1 through 3 and depicted on Figure 3.

## Lead and Other Metals

Soil analytical results for lead and other metals are summarized here:

[7] Note that vapor intrusion standards are currently in a state of transition, and if more conservative standards are adopted, it is possible that in using the vapor concentration data obtained by SCS that the derived theoretical indoor air concentrations exceed applicable indoor air screening criteria. For example, if a default attenuation factor of 0.03 for sub-slab soil vapor and "near-source" exterior soil vapor was used, as described in 2015 by USEPA and USEPA and in February 2020 by DTSC in their *Draft Supplemental Guidance: Screening and Evaluating Vapor Intrusion*, the reported maximum chloroform concentration at the Site exceed residential EPA screening level (U.S. Environmental Protection Agency Office of Solid Waste and Emergency Response (OSWER) June 2015 – *OWSER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air*). However, the 2015 EPA Guidance indicates attenuation factors for deeper soil vapor data would be expected to be less than those for sub-slab soil vapor due to additional attenuation through the vadose zone. It is our understanding that, based on recent projects with DTSC oversight, the DTSC is still allowing the use of the DTSC 2011 Guidance and attenuation factors. Therefore, based on our experience and because this assessment includes deeper soil vapor sampling depths than sub-slab depths, the DTSC 2011 Guidance is used herein.

| Title 22 Metal | Number of Samples Analyzed | Number of Detections | Maximum Site Concentration (mg/kg) | Waste-Based Screening | | Health Risk-Based Screening | |
|---|---|---|---|---|---|---|---|
| | | | | Tier 1 SSL (mg/kg) | Above Tier 1 SSL? | DTSC RSL/ EPA RSL (mg/kg) | Above DTSC RSL/ EPA RSL? |
| Lead | 3 | 3 | 33.6 | 23.9 | Yes | 80 | No |
| Antimony | 3 | 1 | 0.699 | 5.0 | No | 31 | No |
| Arsenic | 3 | 3 | 5.10 | 3.5 | Yes | 12* | No |
| Barium | 3 | 3 | 111 | 509 | No | 22,000 | No |
| Beryllium | 3 | 0 | <0.500 | 4.0 | No | 6,900 | No |
| Cadmium | 3 | 3 | 1.43 | 4.0 | No | 4,000 | No |
| Chromium | 3 | 3 | 16.9 | 122 | No | 1,800,000 | No |
| Cobalt | 3 | 3 | 4.73 | 20 | No | 350 | No |
| Copper | 3 | 3 | 25.3 | 60 | No | 47,000 | No |
| Mercury | 3 | 0 | <0.0500 | 0.26 | No | 4.4 | No |
| Molybdenum | 3 | 2 | 1.69 | 2.0 | No | 5,800 | No |
| Nickel | 3 | 3 | 7.77 | 57 | No | 64,000 | No |
| Selenium | 3 | 0 | <0.500 | 0.21 | No | 5,800 | No |
| Silver | 3 | 0 | <0.500 | 2.0 | No | 5,800 | No |
| Thallium | 3 | 0 | <0.500 | 0.78 | No | 1.2 | No |
| Vanadium | 3 | 3 | 39.6 | 112 | No | 5,800 | No |
| Zinc | 3 | 3 | 170 | 149 | Yes | 350,000 | No |

Notes:
mg/kg - milligrams per kilogram.
Waste-Based Screening - Tier 1 SSLs = Tier 1 Soil Screening Level for inert waste soils that can be reused without restriction. For exceedances, the 90 percent upper confidence limit was used to derive a Site-specific value, as discussed in the Report below.
Health Risk-Based Screening – DTSC RSL/ EPA RSL = Health Risk-Based Criteria - For metals, the DTSC HERO HHRA Note Number: 3, June 2020, using the RSLs for commercial/ industrial soil and cancer endpoint, or, for other metals not listed in HHRA Note 3, the Regional Screening levels for commercial/ industrial soil, provided by the EPA and updated as of May 2021 were used.
< - Concentration reported below the listed laboratory reporting limit.
* - For arsenic, although the DTSC RSL is 0.11 mg/kg, concentrations of naturally occurring arsenic typically exceed human health risk screening criteria. Therefore, the DTSC upper-bound background concentration for arsenic of 12 mg/kg was used.
Red font – the maximum Site concentration for a particular metal exceeds the Tier 1 SSL.

## Comparison of Metals Concentrations to Waste-Based Mitigation Criteria (i.e., for Soil Export)

The analytical results of the Title 22 metal analyses were compared to the respective Tier 1 SSL for each metal, which are established in the San Diego RWQCB Waiver[2] and apply to waste export (i.e., for soil that is exported from the Site only). Tier 1 SSLs were exceeded in select sample results for lead, arsenic, and zinc. Below is a discussion of each metal that was reported with concentrations that exceed the Tier 1 SSL.

Arsenic – Three soil samples were reported to exceed the Tier 1 SSL for arsenic (samples SB1, SB2, and SB3); they were collected from a depth of approximately 0.5 feet within the drainage channels and reported with arsenic concentrations of 5.10, 3.73, and 3.70 mg/kg, respectively.

Although arsenic was reported to exceed the DTSC RSL for commercial land use and select samples exceed the Tier 1 SSL for soil that is exported, the levels reported were within typical background concentration ranges. In an abstract presented by Department of Toxic Substances Control staff at the 2008 Society of Toxicology Annual Meeting,[8] it was reported that the upper-bound background concentration for arsenic in southern California soil is 12 mg/kg. Therefore, the maximum reported arsenic concentration of 5.10 mg/kg is below the upper-bound background concentration of 12 mg/kg established by the DTSC. Therefore, the reported arsenic concentrations in shallow soil at the Site are within the range of typical background concentrations and do not appear to be indicative of a release of arsenic.

Lead - One soil sample was reported to exceed the Tier 1 SSL for lead (sample SB1); it was collected from the depth of approximately 0.5 feet within the southern portion of the western drainage channel and reported with a lead concentration of 33.6 mg/kg.

The Client reported that it is not known whether soil export will be required during the grading activities for the proposed project. If soil export is proposed for the Site, it is recommended that the soil proposed for export be tested for lead so that the soil can be characterized for proper disposal.

Zinc - One soil sample was reported to exceed the Tier 1 SSL for zinc (sample SB1); it was collected from the depth of approximately 0.5 feet within the southern portion of the western drainage channel and reported with a zinc concentration of 170 mg/kg.

The Client reported that it is not known whether soil export will be required during the grading activities for the proposed project. If soil export is proposed for the Site, it is recommended that the soil proposed for export be tested for zinc so that the soil can be characterized for proper disposal.

### Comparison of Metals Concentrations to Risk-Based Mitigation Criteria (i.e., for Soil that Remains on-Site)

Regarding the comparison of metals to Risk-Based Mitigation Criteria, with the exception of arsenic, the reported metals concentrations are below applicable residential human health risk-screening criteria (i.e., DTSC HERO HHRA Note Number 3, June 2020, and EPA RSLs, May 2021).

For the metal arsenic, concentrations were reported above the DTSC RSL for arsenic of 0.36 mg/kg in all three of the soil samples analyzed for arsenic. Although arsenic was reported to exceed the commercial/industrial DTSC RSL, the levels reported were below the DTSC upper-bound background concentration for arsenic in southern California soil of 12 mg/kg. Therefore, the maximum reported arsenic concentration of 5.10 mg/kg is below the upper-bound background concentration of 12 mg/kg established by the DTSC. Therefore, the reported arsenic concentrations in shallow soil at the Site are within the range of typical background concentrations and do not appear to be indicative of a release of arsenic.

## Total Petroleum Hydrocarbons (TPH)

Soil analytical results for TPH were compared to Waste Based Mitigation-Criteria (i.e., Tier 1 SSLs) and Health Risk-Based Mitigation Criteria (i.e., SFBRWQCB ESLs) as summarized in the table below.

[8] *Determination of a Southern California Regional Background Arsenic Concentration in Soil, Chernoff, G., Bosan, W., Oudiz, D., and California Department of Toxic Substances Control, 2008 Society of Toxicology Annual Meeting.*

| Analyte | Maximum Site Concentration (mg/kg) | Waste-Based Screening1 | | Health Risk-Based Screening1 | |
|---|---|---|---|---|---|
| | | Tier 1 SSL (mg/kg) | Above Tier 1 SSL? | Mitigation Criteria (mg/kg) | Above Mitigation Criteria? |
| TPHg | <0.5 | ND | No | 2,000 | No |
| TPHd | 128 | ND | Yes | 1,200 | No |
| TPHo | 352 | ND | Yes | 180,000 | No |

Notes:
mg/kg = milligrams per kilogram.
1= Waste-Based Screening - Tier 1 SSLs = Tier 1 Soil Screening Level for inert waste soils that can be reused without restriction.
2= Health Risk-Based Mitigation Criteria - San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), Environmental Screening Levels for commercial/industrial users (ESLs) (2019, Rev. 2). Risk value was not established; the non-cancer hazard value was used.
TPHg= TPH as gasoline.
TPHd= TPH as diesel.
TPHo= TPH as oil.
<= Not detected above the specified laboratory reporting limit.
Red font = the maximum Site concentration for a particular metal exceeds the waste-based screening criteria or health risk-based screening criteria.

### Comparison of TPH Concentrations to Waste-Based Mitigation Criteria (i.e., for Soil Export)

Regarding waste-based screening criteria, detectable concentrations of chemical constituents such as TPH would be considered a regulated waste if exported from the Site per the RWQCB Tier 1 SSLs. A total of five of the eight soil samples (samples SB1, SB2, SB4-0.5, SB7-0.5, and SB8-0.5) analyzed for TPH were reported with detectable concentrations of TPH; soil represented by these samples would be considered a regulated waste if exported from the Site.

The Client reported that it is not known whether soil export will be required during the grading activities for the proposed project. If soil export is proposed for the Site, it is recommended that the soil proposed for export be tested for TPH so that the soil can be characterized for proper disposal.

### Comparison of TPH Concentrations to Risk-Based Mitigation Criteria (i.e., for Soil that Remains on-Site)

TPH was not detected above the Health Risk-Based Mitigation in any of the eight soil samples collected and analyzed. Therefore, based on the soil samples collected and analyzed for TPH, the soil is not considered to represent a human health risk to future commercial/industrial users of the Site, and can be freely graded on-Site during proposed grading activities.

## Volatile Organic Compounds (VOCs)

The eight soil samples analyzed for VOCs were reported to be below the respective laboratory reporting limits. Please refer to the analytical laboratory reports contained in Appendix A for a full listing of VOCs analyzed and their respective reporting limits.

## Polycyclic Aromatic Hydrocarbons (PAHs)

The PAHs benzo(a)anthracene, chrysene, fluoranthene, phenanthrene, and were reported above the laboratory reporting limits in various samples collected and analyzed from the Site. Below is a discussion of the reported concentrations of PAHs at the Site compared to soil screening regulatory criteria.

| PAHs | Maximum Site Concentration | Waste-Based Screening1 | | Health Risk-Based Screening3 | |
|---|---|---|---|---|---|
| | | Tier 1 SSL | Above Tier 1 SSL? | SFBRWQCB ESL/ DTSC RSL/ EPA RSL | Above SFBRWQCB ESL/ DTSC RSL/ EPA RSL? |
| | µg/kg | | | | |
| Benzo(a)anthracene | 10.7 | ND | Yes | 12,000 | No |
| Chrysene | 15.3 | ND | Yes | 1,300,000 | No |
| Fluoranthene | 22.7 | ND | Yes | 18,000,000 | No |
| Phenanthrene | 14.7 | ND | Yes | NE | No |
| Pyrene | 19.3 | ND | Yes | 13,000,000 | No |

Notes:

µg/kg: micrograms per kilogram.

1) Waste-Based Screening - Tier 1 SSLs = Tier 1 Soil Screening Level for inert waste soils that can be reused without restriction.

2) Hazardous Waste Criteria: Values shown from CA code of regulations, Title 22 Article 3, July 20, 2005, regarding characteristics of hazardous waste. Exceedances of the TTLC would be considered a California hazardous waste, at a minimum.

3) Health Risk-Based Criteria - For PAHs based on DTSC HERO HHRA Note Number: 3, June 2020, using the Recommended Screening Levels for industrial/commercial soil, or, for chemicals not listed in HHRA Note 3, the Regional Screening levels for residential soil, provided by the EPA and updated as of May 2021 were used.

* = Health risk- and hazardous waste-based criteria for alpha chlordane not available; therefore, applicable criteria from chlordane used.

ND = non-detect above the specified laboratory reporting limits.

Red font = the maximum Site concentration for a particular metal exceeds the waste-based screening criteria or health risk-based screening criteria.

### Comparison of PAH Concentrations to Waste-Based Mitigation Criteria (i.e., for Soil Export)

Regarding waste-based screening criteria, detectable concentrations of chemical constituents such as PAH would be considered a regulated waste if exported from the Site per the RWQCB Tier 1 SSLs. A total of three of the five soil samples (samples SB4-0.5, SB7-0.5, and SB8-0.5) analyzed for PAHs were reported with detectable concentrations of PAHs; soil represented by these samples would be considered a regulated waste if exported from the Site.

The Client reported that it is not known whether soil export will be required during the grading activities for the proposed project. If soil export is proposed for the Site, it is recommended that the soil proposed for export be tested for PAH so that the soil can be characterized for proper disposal.

### Comparison of PAH Concentrations to Risk-Based Mitigation Criteria (i.e., for Soil that Remains on-Site)

PAHs were not detected above the Health Risk-Based Mitigation in any of the five soil samples collected and analyzed. Therefore, based on the soil samples collected and analyzed for PAHs, the soil is not considered to represent a human health risk to future commercial/industrial users of the Site, and can be freely graded on-Site during grading activities.

# 5 CONCLUSIONS

Based on the samples collected as part of this Phase II Environmental Site Assessment (ESA), laboratory results, current regulatory guidelines, and SCS' experience and professional judgment, SCS concludes and recommends the following:

## Background

- SCS performed a Phase II ESA consisting of the following:
    - Advancement and sampling of three soil vapor probes (identified as SV1 through SV3), and the collection of four soil vapor samples (including a replicate sample) from depths ranging 2 to 4 feet below grade for analysis of volatile organic compounds (VOCs), in order to assess possible impacts from the northern adjacent industrial properties, and from some former totes previously situated adjacent to the northeastern portion of the Site. Note that sample depths of 5 feet deep could not be attained due to practical refusal encountered with a hand held roto-hammer, the only sampling method considered feasible for the steep and rugged terrain at the Site.
    - Advancement of three soil borings using a trowel (borings SB1 through SB3) and five soil borings by using a hand-held auger (borings SB4 through SB8) to total depths of up to 2.0 feet below grade at the Site to assess the possible presence and concentrations of constituents of concern (CoCs) (i.e., petroleum hydrocarbons, Title 22 metals, polycyclic aromatic hydrocarbons [PAHs], and volatile organic compounds [VOCs]) within representative locations within the on-Site drainage channels, in connection with possible impacts from the northern adjacent industrial properties.

## Soil Vapor Investigation

- The VOCs carbon disulfide, toluene, m,p-xylene, o-xylene, 1,2,4-trimethylbenzene, and chloroform were reported to be present in soil vapor beneath the Site.
    - Carbon disulfide, toluene, m,p-xylene, o-xylene, and 1,2,4-trimethylbenzene are typical constituents of petroleum hydrocarbons, likely from the nearby industrial facilities or another off-Site source. Chloroform is a routine drinking water disinfection byproduct (trihalomethanes) and is often present in soil and soil vapor from treated tap water via irrigation or other sources of drinking water.
    - Overall, based on the low concentrations at which they were detected, it's unlikely the VOCs in soil vapor resulted from a point source or significant release at the Site, but more likely have migrated beneath the Site from the nearby industrial facilities facility or another off-Site source.

- Because VOCs were reported above the laboratory reporting limits in the soil vapor samples collected from the Site, a vapor intrusion risk screening (VIRS) was conducted to assess the potential for Significant vapor intrusion risk posed to the future commercial/industrial occupants at the Site due to the upward migration of VOCs in soil vapor.

    - After applying the Department of Toxic Substances Control (DTSC) attenuation factor 0.0005 for a future commercial/industrial land use to the maximum reported concentrations of the constituents reported to be present beneath the Site (carbon disulfide, toluene, m,p-xylene, o-xylene, 1,2,4-trimethylbenzene, and chloroform), the maximum theoretical concentrations of VOCs in indoor air at the Site are below the commercial/industrial screening levels (DTSC- Modified Screening Levels or EPA Regional Screening Levels).

## Soil Investigation

- Detectable concentrations of total petroleum hydrocarbons (TPH) and Polycyclic Aromatic Hydrocarbons (PAHs) and somewhat elevated concentrations of the metals arsenic, lead, and zinc were reported to be present in certain samples collected at the Site and exceed Waste-Based Mitigation Criteria (i.e., Regional Water Quality Control Board [RWQCB] Tier 1 Soil Screening Levels [SSLs]). Reported concentrations of TPH include relatively low concentrations in the diesel and oil carbon chain lengths. Reported concentrations of PAHs include relatively low concentrations of benzo(a)anthracene, chrysene, fluoranthene, phenanthrene, and pyrene, and would be considered a regulated waste, likely a non-hazardous regulated waste, if this soil is exported from the Site. In the event that the soil is exported from the Site, representative portions of the stockpiles to be exported should be analyzed for TPH, Title 22 metals, and PAHs for proper waste characterization and disposal.

- With the possible exception of arsenic that is further described in the bullet below, none of the reported TPH, PAHs, and metal concentrations were reported to exceed Health Risk-Based Mitigation Criteria for commercial/industrial users established by the DTSC (Recommended Screening Levels [RSLs]), San Francisco Bay Regional Water Quality Control Board (Environmental Screening Levels), and US Environmental Protection Agency (RSLs), as stipulated in the Report. Therefore, based on the soil samples collected and analyzed for TPH, PAHs, VOCs, and Title 22 metals, the soil is not considered to represent a human health risk to future commercial/industrial users of the Site, and can be freely graded on-Site during grading activities.

- For the metal arsenic, concentrations were reported above the DTSC RSL for arsenic of 0.36 milligrams per kilogram (mg/kg) in all three of the soil samples analyzed for arsenic. Arsenic was reported with a maximum concentration of 5.10 mg/kg at the Site. Although arsenic concentrations at the Site reported to exceed the commercial/industrial DTSC RSL and the Tier 1 SSL for arsenic, the levels reported were below the DTSC upper-bound background concentration for arsenic in southern California soil of 12 mg/kg. Therefore, the maximum reported arsenic concentration of 5.10 mg/kg is below the upper-bound background concentration of 12 mg/kg established by the DTSC. Therefore, the reported arsenic concentrations in shallow soil at the Site are within the range of typical background concentrations and do not appear to be indicative of a release of arsenic.

# 6 RECOMMENDATIONS

Based on the data obtained during this Assessment and our conclusions, current regulatory guidelines, and our experience and professional judgment, SCS recommends the following:

### Soil Vapor Investigation

- No further action for the Site related to soil vapor intrusion at this time for the proposed commercial/industrial land use.

### Soil Investigation

- The Client reported that it is not known whether soil import will be required during the grading activities for the proposed project. If soil export is proposed for the Site, it is recommended that the soil proposed for export be tested for the identified CoCs for the Site including TPH, PAHs, and Title 22 metals and so that the soil can be characterized for proper disposal.

# 7 REPORT USAGE AND FUTURE SITE CONDITIONS

This Report is intended for the sole usage of the Client and other parties designated by SCS. The methodology used during this Phase II ESA was in general conformance with the requirements of the Client and the specifications and limitations presented in the Master Services Agreement (Contract) between the Client and SCS. This Report contains information from a variety of public and other sources, and SCS makes no representation or warranty about the accuracy, reliability, suitability, or completeness of the information. Any use of this Report, whether by the Client or by a third party, shall be subject to the provisions of the Contract between the Client and SCS. Any misuse of or reliance upon the Report shall be without risk or liability to SCS.

Assessments are qualitative, not comprehensive, in nature and may not identify all environmental problems or eliminate all risk. For every property, but especially for properties in older downtown or urban areas, it is possible for there to be unknown, unreported recognized environmental conditions, USTs, or other features of concern that might become apparent through demolition, construction, or excavation activities, etc. In addition, the scope of services for this project was limited to those items specifically named in the scope of services for this Report. Environmental issues not specifically addressed in the scope of services for this project are not included in this Report.

Land use, condition of the properties within the Site, and other factors may change over time. The information and conclusions of this Report are judged to have been relevant at the time the work described in this Report was conducted. This Report should not be relied upon to represent future Site conditions unless a qualified consultant familiar with the practice of Phase II Environmental Site Assessments in the County of San Diego is consulted to assess the necessity of updating this Report.

The property owners at the Site are solely responsible for notifying all governmental agencies and the public of the existence, release, or disposal of any hazardous materials/wastes or petroleum products at the Site, whether before, during, or after the performance of SCS' services. SCS assumes no responsibility or liability for any claim, loss of property value, damage, or injury that results from hazardous materials/wastes or petroleum products being present or encountered within the Site.

Although this Phase II ESA has attempted to assess the likelihood that the Site has been impacted by a hazardous material/waste release, potential sources of impact may have escaped detection for

reasons that include, but are not limited to, (1) inadequate or inaccurate information rightfully provided to SCS by third parties, such as public agencies and other outside sources; (2) the limited scope of this Phase II ESA; and (3) the presence of undetected, unknown, or unreported environmental releases.

# 7 LIKELIHOOD STATEMENTS

Statements of "likelihood" have been made in this report. Likelihood statements are based on professional judgments of SCS. The term "likelihood," as used herein, pertains to the probability of a match between the prediction for an event and its actual occurrence. The likelihood statement assigns a measure for a "degree of belief" for the match between the prediction for the event and the actual occurrence of the event.

The likelihood statements in this Report are made qualitatively (expressed in words). The qualitative terms can be approximately related to quantitative percentages. The term "low likelihood" is used by SCS to approximate a range of 10 to 20 percent; the term "moderate likelihood" refers to an approximate range of 40 to 60 percent; and the term "high likelihood" refers to an approximate range of 80 to 90 percent.

# 8 SPECIAL CONTRACTUAL CONDITIONS BETWEEN USER AND ENVIRONMENTAL PROFESSIONAL

There were no special contractual conditions between the user of this Phase II ESA, the environmental professional, and SCS.

# Tables

**Table 1**
**Soil Vapor Sample Analytical Results**
**821 Main Street**
**Chula Vista, California**

| Sample Identifier | Depth (feet bgs) | Date Collected | Carbon Disulfide | Toluene | m,p-Xylene | o-Xylene | 1, 2, 4-Trimethlybenzene | Chloroform | Other VOCs |
|---|---|---|---|---|---|---|---|---|---|
| | | | ug/m$^3$ | | | | | | |
| SV1-4 | 4 | 11/11/2021 | < 6.3 | < 3.8 | < 8.8 | < 4.4 | < 5.0 | **9.0** | ND |
| SV2-2 | 2 | 11/11/2021 | **47** | **19** | **26** | **7.2** | **12** | < 4.9 | ND |
| SV3-3 | 3 | 11/11/2021 | < 6.3 | **9.8** | **9.2** | < 4.4 | < 5.0 | < 4.9 | ND |
| SV3-3 Rep | 3 | 11/11/2021 | < 6.3 | **8.8** | < 8.8 | < 4.4 | < 5.0 | < 4.9 | ND |
| **Maximum Site Concentration (µg/m$^3$)** | | | **47** | **19** | **26** | **7.2** | **12** | **9.0** | |
| **Predicted Indoor Air Concentration for Future Commercial Use[1]** | | | **0.0235** | **0.0095** | **0.013** | **0.0036** | **0.006** | **0.0045** | |
| **Commercial DTSC/EPA Screening Level[2] (µg/m$^3$)** | | | 3,100^ | 1,300 | 440^ | 440^ | 260^ | 0.53^ | |

**Notes:**

Soil vapor samples collected by SCS Engineers on November 11, 2021, and analyzed for volatile organic compounds (VOCs) in accordance with EPA Method TO-15. Depth in feet below ground surface (bgs).

< = less than indicated laboratory reporting limit.

ND = group of constituents not detected above laboratory reporting limits; refer to the laboratory analytical report for a full listing of analytes and associated reporting limits.

**Bold** = analyte detected above laboratory reporting limit.

Results presented in micrograms per cubic meter (µg/m$^3$).

1= Maximum soil vapor concentration multiplied by the default Department of Substances Control (DTSC) attenuation factor of 0.0005 for a future commercial building, per Table 2 - Attenuation Factors for Preliminary Screening Evaluations of the Vapor Intrusion Guidance.

2= Human Health Risk Assessment Note 3 - DTSC-Modified Screening Levels (DTSC-SLs), Table 3 - Screening Levels for Ambient Air, Commercial/Industrial June 2020 update.

^ A DTSC-SL has not been established for this constituent (carbon disulfide, m,p- and o-xylenes, and 1, 2, 4-trimethylbenzene). The Environmental Protection Agency (EPA) Regional Screening Level (RSL), dated May 2021, was used for this constituent.

**Table 2**
**Soil Sample Analytical Results for TPH, VOCs, and PAHs**
**821 Main Street**
**Chula Vista, California**

| Sample | Depth in Feet bgs | Date | TPHo | TPHd | TPHg | VOCs | PAHs | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Benzo(a)anthracene | Chrysene | Fluoranthene | Phenanthrene | Pyrene | All other PAHs |
| | | | mg/kg | | | µg/kg | | | | | | |
| SB1 | 0.5 | 7/13/2021 | **210** | **74.0** | < 0.500 | ND | -- | -- | -- | -- | -- | -- |
| SB2 | 0.5 | 7/13/2021 | **290** | **74.0** | < 0.500 | ND | -- | -- | -- | -- | -- | -- |
| SB3 | 0.5 | 7/13/2021 | < 50.0 | < 10.0 | < 0.500 | ND | -- | -- | -- | -- | -- | -- |
| SB4-0.5 | 0.5 | 11/11/21 | **82.4** | < 10.0 | < 0.500 | ND | **4.00** | **15.3** | **9.33** | < 5.80 | **10.0** | ND |
| SB5-0.5 | 0.5 | 11/11/2021 | < 50.0 | < 10.0 | < 0.500 | ND | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | ND |
| SB6-0.5 | 0.5 | 11/11/2021 | < 50.0 | < 10.0 | < 0.500 | ND | < 5.0 | < 5.0 | < 5.0 | < 5.0 | < 5.0 | ND |
| SB7-0.5 | 0.5 | 11/11/2021 | **352** | **128** | < 0.500 | ND | **4.67** | **10.0** | **10.0** | < 5.80 | **10.7** | ND |
| SB8-0.5 | 0.5 | 11/11/2021 | **298** | **58.0** | < 0.500 | ND | **10.7** | **15.3** | **22.7** | **14.7** | **19.3** | ND |
| Health Risk-Based Criteria [1] | | | **180,000** | **1,200** | **2,000** | NA | **12,000** | **1,300,000** | **18,000,000** | **^7,800** | **13,000,000** | NA |

**Notes:**

Soil samples collected by SCS Engineers on 7/13/21 and 11/11/21.

VOCs: Volatile Organic Compounds. Samples from SCS analyzed in general accordance with EPA Method 8260B.

TPH: Total Petroleum Hydrocarbons. Samples from SCS analyzed in general accordance with EPA Method 8015B.

Polycyclic Aromatic Hydrocarbons (PAHs) samples analyzed in general accordance with EPA Method 8270C.

mg/kg : milligrams per kilogram.

µg/kg : micrograms per kilogram.

< : less than the laboratory reporting limit.

bgs : below ground surface

ND: Not detected above the laboratory reporting limit.

TPHo: TPH oil-range organics.

TPHd: TPH diesel-range organics.

TPHg: TPH gasoline-range organics.

-- : not analyzed.

ND : not detected above the laboratory reporting limits for the group of constituents.

1) Health Risk-Based Criteria - For TPH, VOCs the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) Environmental Screening Levels (ESLs) for commercial/ industrial users, dated 2019 (revised).
For PAHs the Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number: 3, June 2020, using the recommended Screening Levels (SL) for industrial soil.
^For chemicals not listed in HHRA Note 3, the EPA RSLs for commercial/industrial soil, November 2021 were used.

NA: Not applicable.

**Bold** : Result indicating above laboratory reporting limits.

**Table 3**
**Soil Sample Analytical Results for Metals**
**821 Main Street**
**Chula Vista, California**

| Sample | Depth in Feet bgs | Date | Lead | Antimony | Arsenic | Barium | Beryllium | Cadmium | Chromium | Cobalt | Copper | Mercury | Molybdenum | Nickel | Selenium | Silver | Thallium | Vanadium | Zinc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mg/kg | | | | | | | | | | | | | | | | |
| SB1 | 0.5 | 7/13/2021 | **33.6** | **0.699** | **5.10** | **111** | < 0.500 | **1.43** | **16.9** | **4.73** | **22.5** | < 0.0500 | **1.00** | **7.77** | < 0.500 | < 0.500 | < 0.500 | **39.6** | **170** |
| SB2 | 0.5 | 7/13/2021 | **7.99** | < 0.500 | **3.73** | **55.0** | < 0.500 | **1.13** | **12.7** | **4.61** | **25.3** | < 0.0500 | **1.69** | **5.20** | < 0.500 | < 0.500 | < 0.500 | **35.3** | **58.1** |
| SB3 | 0.5 | 7/13/2021 | **7.33** | < 0.500 | **3.70** | **110** | < 0.500 | **0.863** | **5.79** | **3.82** | **5.87** | < 0.0500 | < 0.500 | **3.13** | < 0.500 | < 0.500 | < 0.500 | **26.7** | **33.8** |
| **Health Risk-Based Criteria[1]** | | | **80** | **31** | **12** | **22,000** | **6,900** | **4,000** | **1,800,000** | **350** | **47,000** | **4.4** | **5,800** | **64,000** | **5,800** | **5,800** | **1.2** | **5,800** | **350,000** |
| **Hazardous Waste Criteria[2]** | | | **1,000** | **500** | **500** | **10,000** | **75** | **100** | **2,500** | **8,000** | **2,500** | **20** | **3,500** | **2,000** | **100** | **500** | **700** | **2,400** | **5,000** |

**Notes:**

Soil samples collected by SCS Engineers on 7/13/21.

Soil samples were analyzed for Title 22 metals by Environmental Protection Agency (EPA) Method 6010B.

mg/kg : milligrams per kilogram.

< : less than the laboratory reporting limit.

bgs : below ground surface

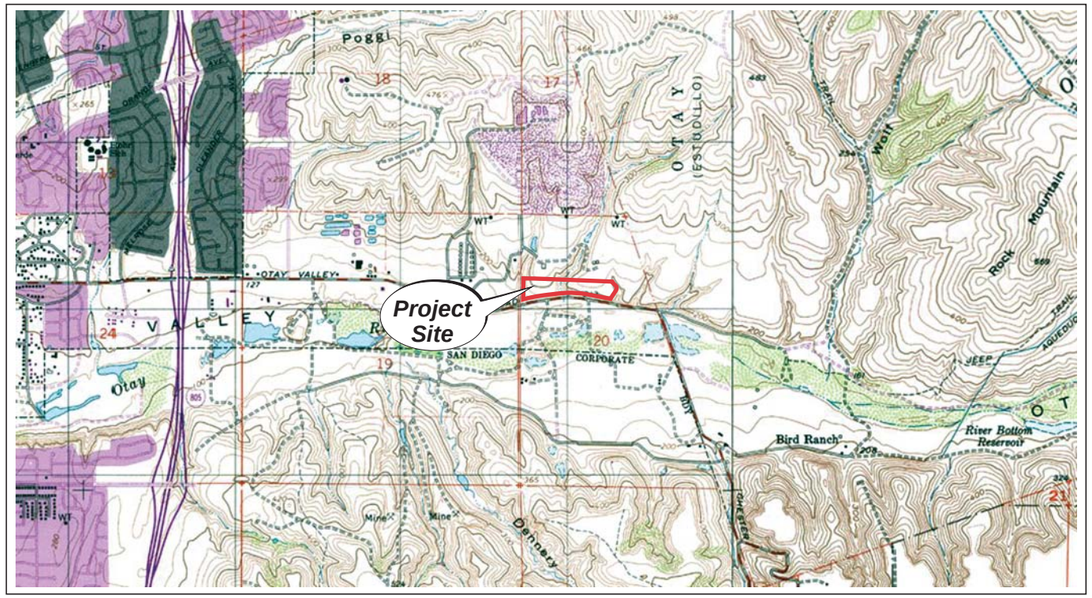
**Bold** : Result indicating above laboratory reporting limits.

1) Health Risk-Based Criteria - For lead, the Department of Toxic Substances Control (DTSC) Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number: 3, June 2020, using the Recommended Screening Levels (RSL) for commercial/ industrial soil and cancer endpoint, or, for other metals not listed in HHRA Note 3, the Regional Screening levels for commercial/industrial soil, provided by the EPA and updated as of November 2021 were used.
For arsenic, although the DTSC RSL is 0.11 mg/kg, naturally occuring arsenic typically exceeds human health risk screening criteria. Therefore, the DTSC upper-bound background concentration for arsenic of 12 mg/kg was used.
2) Hazardous Waste Criteria: Values shown from CA code of regulations, Title 22 Article 3, July 20, 2005 regarding characteristics of hazardous waste. Exceedances of the Total Threshold Limit Concentration (TTLC) would be considered a California hazardous waste, at a minimum.

# Figures


North (Not to scale)

## REGIONAL SITE LOCATION




North (Not to scale)

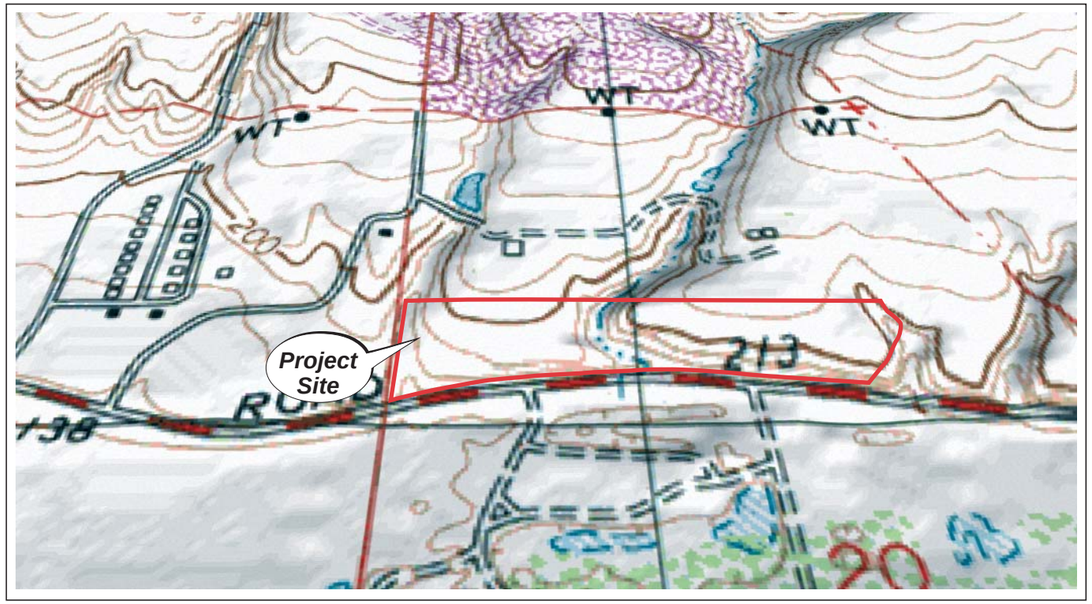
Reference:
U.S.G.S. 7.5 Minute Quadrangle Map
Imperial Beach, California

## 2-DIMENSIONAL SITE LOCATION


North (Not to scale)

Reference:
Google Earth Aerial Photograph
Chula Vista, California - December 2020

## SITE AERIAL PHOTOGRAPHY




North (Not to scale)

Reference:
U.S.G.S. 7.5 Minute Quadrangle Map
Imperial Beach, California

## 3-DIMENSIONAL SITE LOCATION

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.


SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123


**FOUR-WAY SITE LOCATION MAP**
**VWP-OP Nirvana Owner, LLC**
821 Main Street
Chula Vista, California

**Project No.: 01221156.00**

**Figure 1**

**Date Drafted: 9/15/21**


**LEGEND**

- Approximate Site boundary
- Trash/debris pile
- Approximate soil vapor sample location
- Approximate soil sample location
- Approximate location of drainages

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

| SV2 | |
|---|---|
| *Depth* | *2′* |
| CD | **47** |
| Toluene | **19** |
| m,p-Xylene | **26** |
| o-Xylene | **7.2** |
| 1,2,4-TMB | **12** |
| CF | <4.9 |
| Other VOCs | ND |

Soil vapor samples, with depth in feet below grade, collected by SCS Engineers on November 11, 2021, and analyzed for volatile organic compounds (VOCs) by EPA Method TO-15. Results reported in micrograms per cubic meter (µg/m$^3$). **Bold** font indicates sample results above the laboratory reporting limit. < indicates results less than the laboratory reporting limit; number indicates individual analyte reporting limit. ND indicates concentration not detected above laboratory reporting limits.

CD = carbon disulfide
CF = chloroform
1,2,4-TMB = 1,2,4-trimethylbenzene

0 60 120 180
Approximate Graphic Scale in Feet
1 inch = 120 feet

North

Reference: Google Earth Aerial Photograph
Chula Vista, California - December 2020

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

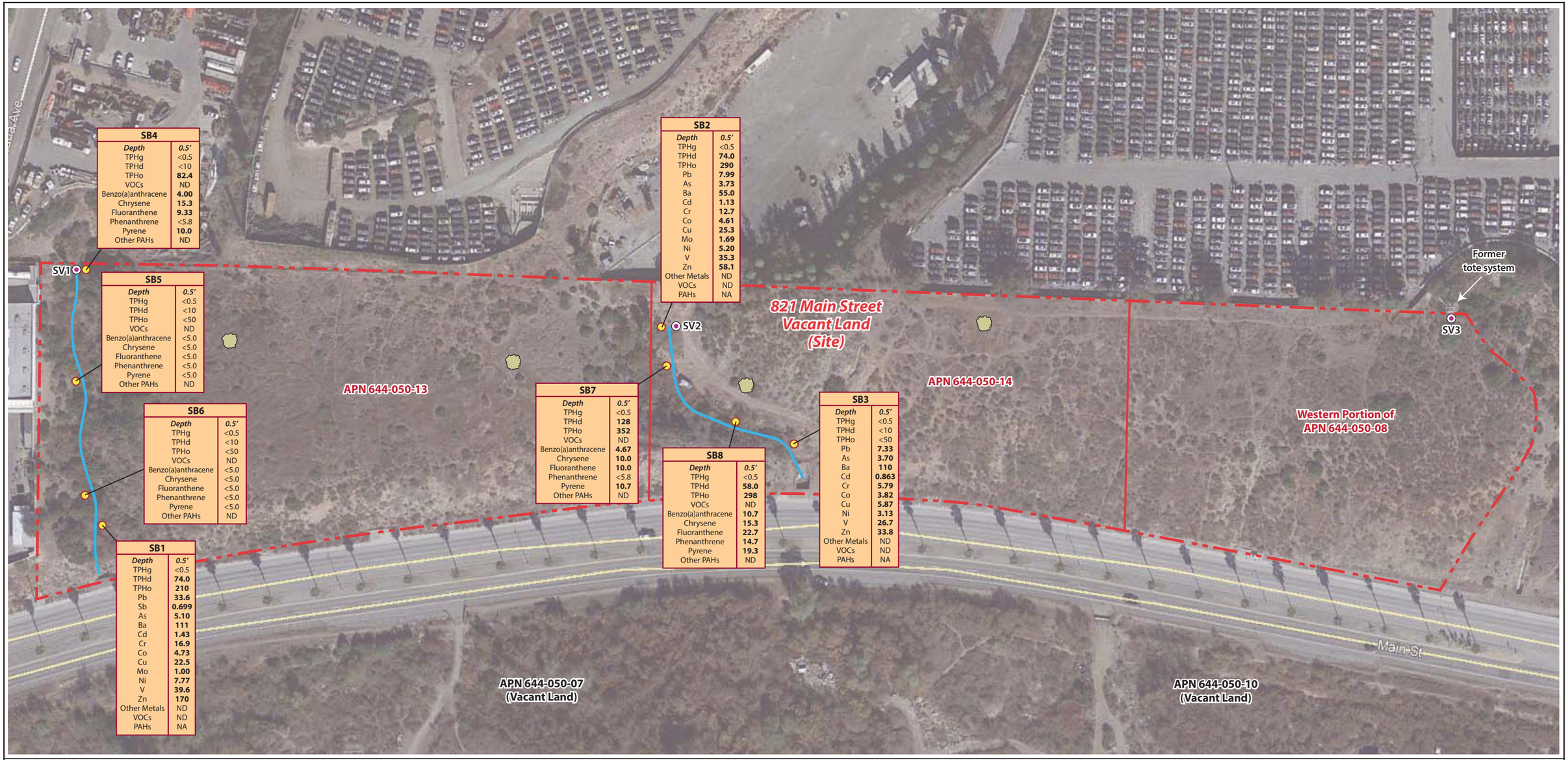
# SITE PLAN WITH SOIL VAPOR ANALYTICAL RESULTS

**VWP-OP Nirvana Owner, LLC**
821 Main Street
Chula Vista, California

**Project No.: 01221156.00**

**Figure 2**

**Date Drafted: 12/7/21**




| SB4 | |
|---|---|
| *Depth* | *0.5′* |
| TPHg | <0.5 |
| TPHd | <10 |
| TPHo | **82.4** |
| VOCs | ND |
| Benzo(a)anthracene | **4.00** |
| Chrysene | **15.3** |
| Fluoranthene | **9.33** |
| Phenanthrene | <5.8 |
| Pyrene | **10.0** |
| Other PAHs | ND |

| SB5 | |
|---|---|
| *Depth* | *0.5′* |
| TPHg | <0.5 |
| TPHd | <10 |
| TPHo | <50 |
| VOCs | ND |
| Benzo(a)anthracene | <5.0 |
| Chrysene | <5.0 |
| Fluoranthene | <5.0 |
| Phenanthrene | <5.0 |
| Pyrene | <5.0 |
| Other PAHs | ND |

| SB6 | |
|---|---|
| *Depth* | *0.5′* |
| TPHg | <0.5 |
| TPHd | <10 |
| TPHo | <50 |
| VOCs | ND |
| Benzo(a)anthracene | <5.0 |
| Chrysene | <5.0 |
| Fluoranthene | <5.0 |
| Phenanthrene | <5.0 |
| Pyrene | <5.0 |
| Other PAHs | ND |

| SB1 | |
|---|---|
| *Depth* | *0.5′* |
| TPHg | <0.5 |
| TPHd | **74.0** |
| TPHo | **210** |
| Pb | **33.6** |
| Sb | **0.699** |
| As | **5.10** |
| Ba | **111** |
| Cd | **1.43** |
| Cr | **16.9** |
| Co | **4.73** |
| Cu | **22.5** |
| Mo | **1.00** |
| Ni | **7.77** |
| V | **39.6** |
| Zn | **170** |
| Other Metals | ND |
| VOCs | ND |
| PAHs | NA |

| SB2 | |
|---|---|
| *Depth* | *0.5′* |
| TPHg | <0.5 |
| TPHd | **74.0** |
| TPHo | **290** |
| Pb | **7.99** |
| As | **3.73** |
| Ba | **55.0** |
| Cd | **1.13** |
| Cr | **12.7** |
| Co | **4.61** |
| Cu | **25.3** |
| Mo | **1.69** |
| Ni | **5.20** |
| V | **35.3** |
| Zn | **58.1** |
| Other Metals | ND |
| VOCs | ND |
| PAHs | NA |

| SB7 | |
|---|---|
| *Depth* | *0.5′* |
| TPHg | <0.5 |
| TPHd | **128** |
| TPHo | **352** |
| VOCs | ND |
| Benzo(a)anthracene | **4.67** |
| Chrysene | **10.0** |
| Fluoranthene | **10.0** |
| Phenanthrene | <5.8 |
| Pyrene | **10.7** |
| Other PAHs | ND |

| SB8 | |
|---|---|
| *Depth* | *0.5′* |
| TPHg | <0.5 |
| TPHd | **58.0** |
| TPHo | **298** |
| VOCs | ND |
| Benzo(a)anthracene | **10.7** |
| Chrysene | **15.3** |
| Fluoranthene | **22.7** |
| Phenanthrene | **14.7** |
| Pyrene | **19.3** |
| Other PAHs | ND |

| SB3 | |
|---|---|
| *Depth* | *0.5′* |
| TPHg | <0.5 |
| TPHd | <10 |
| TPHo | <50 |
| Pb | **7.33** |
| As | **3.70** |
| Ba | **110** |
| Cd | **0.863** |
| Cr | **5.79** |
| Co | **3.82** |
| Cu | **5.87** |
| Ni | **3.13** |
| V | **26.7** |
| Zn | **33.8** |
| Other Metals | ND |
| VOCs | ND |
| PAHs | NA |

**LEGEND**

- Approximate Site boundary
- Trash/debris pile
- Approximate soil vapor sample location
- Approximate soil sample location
- Approximate location of drainages

| SB1 | |
|---|---|
| *Depth* | *0.5′* |
| TPHg | <0.5 |
| TPHd | **74.0** |
| TPHo | **210** |
| Pb | **33.6** |
| Sb | **0.699** |
| As | **5.10** |
| Ba | **111** |
| Cd | **1.43** |
| Cr | **16.9** |
| Co | **4.73** |
| Cu | **22.5** |
| Mo | **1.00** |
| Ni | **7.77** |
| V | **39.6** |
| Zn | **170** |
| Other Metals | ND |
| VOCs | ND |
| PAHs | NA |

Soil samples, with depth in feet below grade, collected by SCS Engineers on July 13 and November 11, 2021, and analyzed for total petroleum hydrocarbons as gasoline, diesel, and oil (TPHg, TPHd, TPHo, respectively) by EPA Method 8015B, Title 22 Metals by EPA Method 6010B, volatile organic compounds (VOCs) by EPA Method 8260B, and polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270C. Results for TPH and Title 22 Metals reported in milligrams per kilogram (mg/kg). Results for VOCs and PAHs reported in micrograms per kilogram (µg/kg). **Bold** font indicates sample results above the laboratory reporting limit. < indicates results less than the laboratory reporting limit; number indicates individual analyte reporting limit. ND indicates not detected above laboratory reporting limits. NA indicates not analyzed.

Pb = Lead
Sb = Antimony
As = Arsenic
Ba = Barium
Cd = Cadmium
Cr = Chromium
Co = Cobalt
Cu = Copper
Mo = Molybdenum
Ni = Nickel
V = Vanadium
Zn = Zinc

0 60 120 180
Approximate Graphic Scale in Feet
1 inch = 120 feet

North

Disclaimer: This figure is based on available data. Actual conditions may differ. All locations and dimensions are approximate.

Reference: Google Earth Aerial Photograph
Chula Vista, California - December 2020

SCS ENGINEERS
Environmental Consultants
8799 Balboa Avenue, Suite 290
San Diego, California 92123

# SITE PLAN WITH SOIL SAMPLE ANALYTICAL RESULTS

**VWP-OP Nirvana Owner, LLC**
821 Main Street
Chula Vista, California

**Project No.: 01221156.00**

**Figure 3**

**Date Drafted: 12/7/21**

# Appendix A

## Laboratory Analytical Reports

AMERICAN SCIENTIFIC LABORATORIES, LLC
*Environmental Testing Services*
*2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500*

17 November 2021

Luke Montague

SCS Engineers

8799 Balboa Avenue, Suite 290

San Diego, CA 92123

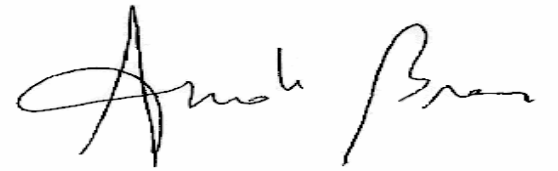
**Work Order #: 2111096**

**Project Name: Nirvana Properties**

**Project ID: 01221156.00**

**Site Address: 821 Main Street  Chula Vista,  CA**

Enclosed are the results of analyses for samples received by the laboratory on November 11, 2021. If you have any questions concerning this report, please feel free to contact us.



**Molky Brar**

**Laboratory Director**

AMERICAN SCIENTIFIC LABORATORIES, LLC
*Environmental Testing Services*
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500



COC# No. 86552 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 2111096

CHAIN OF CUSTODY RECORD

| | | | |
|---|---|---|---|
| Company: SCS Engineers | | Report To: LM | |
| Address: 8799 Balboa Ave | Project Name: Nirvana Properties | Address: | |
| San Diego CA | Site Address: 821 Main Street | Invoice To: LM | |
| Telephone: Fax: 858 571 5500 | Chula Vista, CA | Address: | |
| Special Instruction: results by 11/17/21 | Project ID: 01221156.00 | | |
| E-mail: lmontague@scs-engineers.com aonel@scsengineers.com | Project Manager: Luke Montague | P.O.#: | |

ANALYSIS REQUESTED

| ITEM | LAB USE ONLY Lab ID | SAMPLE DESCRIPTION Sample ID | Date | Time | Container(s) # | Container(s) Type | Matrix | Preservation | PAHs (8270C SIM) | TPH (8015B) | VOCs (8260B) | Archive | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2111096-01 | SB8-0.5 | 11/11/21 | 847 | 1 | 4ozglass jar | Soil | ice | X | X | X | | |
| | 2111096-02 | SB8-1.0 | | 849 | | | | | | | | X | |
| | 2111096-03 | SB8-2.0 | | 853 | | | | | | | | X | |
| | 2111096-04 | SB7-0.5 | | 9:04 | | | | | X | X | X | | |
| | 2111096-05 | SB7-1.0 | | 9:06 | | | | | | | | X | |
| | 2111096-06 | SB7-1.75 | | 9:13 | | | | | | | | X | |
| | 2111096-07 | SB4-0.5 | | 9:43 | | | | | X | X | X | | |
| | 2111096-08 | SB4-1.0 | | 9:45 | | | | | | | | X | |
| | 2111096-09 | SB4-2.0 | | 9:49 | | | | | | | | X | |
| | 2111096-10 | SB5-0.5 | | 10:04 | | | | | X | X | X | | |

| | | | |
|---|---|---|---|
| Collected By: [signature] | Date 11/11/21 | Time 10:04 | Relinquished By: Austin Bailey Date 11/11/21 Time 1355 |
| Relinquished By: | Date | Time | Received For Laboratory [signature] Date 11/11/21 Time 2:40 |
| Received By: Austin Bailey | Date 11/11/21 | Time 1350 | Condition of Sample: |

TAT ☐ Normal ☒ Rush 3 day by 11/17/21

White - Report, Yellow - Laboratory, Pink - Client

AMERICAN SCIENTIFIC LABORATORIES, LLC
*Environmental Testing Services*
2520 N. San Fernando Road, LA, CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500



COC# № 84909 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 2111096

# CHAIN OF CUSTODY RECORD

| | | | |
|---|---|---|---|
| Company: SCS Engineers | | Report To: | |
| Address: | Project Name: | Address: | |
| see page 1 | Site Address: | Invoice To: | |
| Telephone: / Fax: | | Address: | |
| Special Instruction: results by 11/17/21 | Project ID: 01221156.00 | | |
| E-mail: | Project Manager: | P.O.#: | |

ANALYSIS REQUESTED: PAHs (8270C SIM) | TPH (8015B) | VOCs (8260B) | Archive

| ITEM | LAB USE ONLY Lab ID | SAMPLE DESCRIPTION Sample ID | Date | Time | Container(s) # | Container(s) Type | Matrix | Preservation | PAHs | TPH | VOCs | Archive | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2111096-11 | SB5-1.0 | 11/11/21 | 10:09 | 1 | 4oz glass jar | soil | ice | | | | X | |
| | 2111096-12 | SB5-2.0 | | 10:21 | | | | | | | | X | |
| | 2111096-13 | SB6-0.5 | | 10:27 | | | | | X | X | X | | |
| | 2111096-14 | SB6-1.0 | | 10:28 | | | | | | | | X | |
| | 2111096-15 | SB6-1.75 | | 10:41 | | | | | | | | X | |

| | | | |
|---|---|---|---|
| Collected By: [signature] | Date 11/11/21 | Time 10:41 | Relinquished By: Austin Bailey |
| Relinquished By: | Date | Time | Received For Laboratory: [signature] |
| Received By: Austin Bailey | Date 11/11/21 | Time 1350 | Condition of Sample: |

Date 11/11/21 Time 1355
Date 11/11/21 Time 2...

TAT
☐ Normal
☒ Rush 3-day TAT

White - Report, Yellow - Laboratory, Pink - Client

Job# 2111096

# ASL Sample Receipt Form

Client: SCS Engineers

Date: 11-11-2021

## Sample Information:

Temperature: _____ °C ☐ Blank ☒ Sample

Custody Seal: ☐ Yes ☒ No ☐ Not Available

Received Within Holding Time: ☒ Yes ☐ No

## Container:

Proper Containers and Sufficient Volume: ☒ Yes ☐ No

Soil: 15 ☒ 4oz ☐ 8oz ☐ Sleeve ☐ VOA

Water: ☐ 500AG ☐ 1AG ☐ 125PB ☐ 250PB ☐ 500PB ☐ VOA ☐ Other _____

Air: ☐ Tedlar®

Sample Containers Intact: ☒ Yes ☐ No

Trip Blank ☐ Yes ☒ No

## Chain-of-Custody (COC):

Received: ☒ Yes ☐ No

Samplers Name: ☒ Yes ☐ No

Container Labels match COC: ☒ Yes ☐ No

COC documents received complete: ☒ Yes ☐ No

Proper Preservation Noted: ☐ Yes ☐ No N/A

Completed By: Janet Chin

AMERICAN SCIENTIFIC LABORATORIES, LLC
*Environmental Testing Services*
*2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500*

| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

## ANALYTICAL SUMMARY REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| SB8-0.5 | 2111096-01 | Solid | 11/11/2021 08:47 | 11/11/2021 14:00 |
| SB7-0.5 | 2111096-04 | Solid | 11/11/2021 09:04 | 11/11/2021 14:00 |
| SB4-0.5 | 2111096-07 | Solid | 11/11/2021 09:43 | 11/11/2021 14:00 |
| SB5-0.5 | 2111096-10 | Solid | 11/11/2021 10:04 | 11/11/2021 14:00 |
| SB6-0.5 | 2111096-13 | Solid | 11/11/2021 10:27 | 11/11/2021 14:00 |

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

Amolk Brar, Lab Director

American Scientific Laboratories, LLC
Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

## Analytical Results

### Client Sample ID: SB8-0.5

### Laboratory Sample ID: 2111096-01 (Solid)

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Petroleum Hydrocarbons(TPH-g)** | | | | Batch ID: BK10608 | | | Prepared: 11/11/2021 17:00 | | | |
| Gasoline Range Organics | ND | | 250 | 500 | ug/kg | 1 | 5030A | 11/12/2021 15:19 | DW | 8015B |
| *Surrogate: Bromofluorobenzene* | | | *103 %* | *70-120* | | | 5030A | 11/12/2021 15:19 | DW | *8015B* |
| **Total Petroleum Hydrocarbons(TPH DROORO)** | | | | Batch ID: BK10606 | | | Prepared: 11/12/2021 10:00 | | | |
| **Diesel range organics** | **58.0** | | 2.00 | 20.0 | mg/kg | 2 | 3550B | 11/13/2021 02:57 | DW | 8015B |
| **Oil Range Organics** | **298** | | 34.0 | 100 | mg/kg | 2 | 3550B | 11/13/2021 02:57 | DW | 8015B |
| *Surrogate: Chlorobenzene* | | | *100 %* | *70-120* | | | 3550B | 11/13/2021 02:57 | DW | *8015B* |
| **Volatile Organic Compounds** | | | | Batch ID: BK10607 | | | Prepared: 11/11/2021 17:00 | | | |
| Acetone | ND | | 12.7 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Benzene | ND | | 0.930 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Bromobenzene | ND | | 3.39 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Bromochloromethane | ND | | 0.380 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Bromodichloromethane | ND | | 0.630 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Bromoform | ND | | 3.39 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Bromomethane | ND | | 2.75 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 2-Butanone | ND | | 5.83 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| n-Butylbenzene | ND | | 2.05 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| sec-Butylbenzene | ND | | 3.04 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| tert-Butylbenzene | ND | | 1.34 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Carbon disulfide | ND | | 5.53 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Carbon tetrachloride | ND | | 2.48 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Chlorobenzene | ND | | 0.890 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Chloroethane | ND | | 2.15 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 2-Chloroethylvinyl Ether | ND | | 5.53 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Chloroform | ND | | 1.24 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Chloromethane | ND | | 1.74 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 4-Chlorotoluene | ND | | 1.34 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 2-Chlorotoluene | ND | | 2.35 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 2.69 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Dibromochloromethane | ND | | 0.650 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,2-Dibromoethane | ND | | 2.75 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Dibromomethane | ND | | 2.30 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,2-Dichlorobenzene | ND | | 1.65 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,3-Dichlorobenzene | ND | | 1.03 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,4-Dichlorobenzene | ND | | 2.23 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |

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

Amolk Brar, Lab Director

American Scientific Laboratories, LLC
*Environmental Testing Services*
*2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500*

| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

**Analytical Results**

**Client Sample ID: SB8-0.5**

**Laboratory Sample ID: 2111096-01 (Solid)**

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | Batch ID: BK10607 | | | Prepared: 11/11/2021 17:00 | | | |
| Dichlorodifluoromethane | ND | | 2.07 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,1-Dichloroethane | ND | | 1.30 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,2-Dichloroethane | ND | | 1.57 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,1-Dichloroethene | ND | | 1.60 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| cis-1,2-Dichloroethene | ND | | 2.16 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| trans-1,2-Dichloroethene | ND | | 2.60 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,1-Dichloropropene | ND | | 0.660 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,2-Dichloropropane | ND | | 0.920 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,3-Dichloropropane | ND | | 1.36 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 2,2-Dichloropropane | ND | | 1.12 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| cis-1,3-Dichloropropene | ND | | 0.980 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| trans-1,3-Dichloropropene | ND | | 0.960 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Ethylbenzene | ND | | 1.00 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Hexachlorobutadiene | ND | | 2.77 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 2-Hexanone | ND | | 3.18 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Isopropylbenzene | ND | | 1.42 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| p-Isopropyltoluene | ND | | 3.86 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Methyl tert-Butyl Ether (MTBE) | ND | | 1.81 | 5.00 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 4-Methyl-2-pentanone (MIBK) | ND | | 3.14 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Methylene chloride | ND | | 3.31 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Naphthalene | ND | | 1.14 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| n-Propylbenzene | ND | | 1.14 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Styrene | ND | | 0.800 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,1,1,2-Tetrachloroethane | ND | | 1.28 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 3.25 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Tetrachloroethene | ND | | 0.930 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Toluene | ND | | 1.00 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,2,3-Trichlorobenzene | ND | | 1.23 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 2.82 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,1,1-Trichloroethane | ND | | 2.03 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,1,2-Trichloroethane | ND | | 1.74 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Trichloroethene | ND | | 1.15 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Trichlorofluoromethane | ND | | 3.15 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,2,3-Trichloropropane | ND | | 1.74 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,2,4-Trimethylbenzene | ND | | 3.19 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| 1,3,5- Trimethylbenzene | ND | | 1.23 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |

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

Amolk Brar, Lab Director

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*Environmental Testing Services*
*2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500*

| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

**Analytical Results**

**Client Sample ID: SB8-0.5**

**Laboratory Sample ID: 2111096-01 (Solid)**

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | Batch ID: BK10607 | | Prepared: 11/11/2021 17:00 | | | |
| Vinyl acetate | ND | | 10.8 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| Vinyl chloride | ND | | 2.79 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| m,p-Xylenes | ND | | 1.80 | 4.00 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| o-Xylene | ND | | 1.00 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 13:05 | DW | 8260B |
| *Surrogate: 4-Bromofluorobenzene* | | | *90.1 %* | | *70-120* | | 5030A | 11/12/2021 13:05 | DW | *8260B* |
| *Surrogate: Dibromofluoromethane* | | | *75.0 %* | | *70-120* | | 5030A | 11/12/2021 13:05 | DW | *8260B* |
| *Surrogate: Toluene-d8* | | | *89.8 %* | | *70-120* | | 5030A | 11/12/2021 13:05 | DW | *8260B* |
| **8270 PAH SIM** | | | | | Batch ID: BK10609 | | Prepared: 11/15/2021 09:10 | | | |
| Acenaphthene | ND | | 5.52 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| Acenaphthylene | ND | | 5.52 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| Anthracene | ND | | 4.96 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| **Benzo(a)anthracene** | **10.7** | J | 3.40 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| Benzo[a]pyrene | ND | | 9.20 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| Benzo[b]fluoranthene | ND | | 9.24 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| Benzo(ghi)perylene | ND | | 20.0 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| Benzo[k]fluoranthene | ND | | 9.72 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| **Chrysene** | **15.3** | J | 5.68 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| Dibenz(a,h)anthracene | ND | | 18.9 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| **Fluoranthene** | **22.7** | | 4.16 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| Fluorene | ND | | 5.00 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| Indeno (1,2,3-cd) pyrene | ND | | 17.7 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| Naphthalene | ND | | 6.32 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| **Phenanthrene** | **14.7** | J | 5.80 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| **Pyrene** | **19.3** | J | 4.12 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:12 | AY | 8270C |
| *Surrogate: Nitrobenzene-d5* | | | *71.6 %* | | *35-114* | | 3550 SV | 11/15/2021 16:12 | AY | *8270C* |
| *Surrogate: 1,4-Dioxane-d8* | | | *30.4 %* | | *21-105* | | 3550 SV | 11/15/2021 16:12 | AY | *8270C* |

**Analytical Results**

**Client Sample ID: SB7-0.5**

**Laboratory Sample ID: 2111096-04 (Solid)**

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Petroleum Hydrocarbons(TPH-g)** | | | | | Batch ID: BK10608 | | Prepared: 11/11/2021 17:00 | | | |
| Gasoline Range Organics | ND | | 250 | 500 | ug/kg | 1 | 5030A | 11/12/2021 15:48 | DW | 8015B |

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2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

## Analytical Results

### Client Sample ID: SB7-0.5

### Laboratory Sample ID: 2111096-04 (Solid)

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Petroleum Hydrocarbons(TPH-g)** | | | | Batch ID: BK10608 | | | Prepared: 11/11/2021 17:00 | | | |
| *Surrogate: Bromofluorobenzene* | | | *109 %* | *70-120* | | | 5030A | 11/12/2021 15:48 | DW | *8015B* |
| **Total Petroleum Hydrocarbons(TPH DROORO)** | | | | Batch ID: BK10606 | | | Prepared: 11/12/2021 10:00 | | | |
| **Diesel range organics** | **128** | | 2.00 | 20.0 | mg/kg | 2 | 3550B | 11/13/2021 03:40 | DW | 8015B |
| **Oil Range Organics** | **352** | | 34.0 | 100 | mg/kg | 2 | 3550B | 11/13/2021 03:40 | DW | 8015B |
| *Surrogate: Chlorobenzene* | | | *102 %* | *70-120* | | | 3550B | 11/13/2021 03:40 | DW | *8015B* |
| **Volatile Organic Compounds** | | | | Batch ID: BK10607 | | | Prepared: 11/11/2021 17:00 | | | |
| Acetone | ND | | 12.7 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Benzene | ND | | 0.930 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Bromobenzene | ND | | 3.39 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Bromochloromethane | ND | | 0.380 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Bromodichloromethane | ND | | 0.630 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Bromoform | ND | | 3.39 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Bromomethane | ND | | 2.75 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 2-Butanone | ND | | 5.83 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| n-Butylbenzene | ND | | 2.05 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| sec-Butylbenzene | ND | | 3.04 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| tert-Butylbenzene | ND | | 1.34 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Carbon disulfide | ND | | 5.53 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Carbon tetrachloride | ND | | 2.48 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Chlorobenzene | ND | | 0.890 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Chloroethane | ND | | 2.15 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 2-Chloroethylvinyl Ether | ND | | 5.53 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Chloroform | ND | | 1.24 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Chloromethane | ND | | 1.74 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 4-Chlorotoluene | ND | | 1.34 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 2-Chlorotoluene | ND | | 2.35 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 2.69 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Dibromochloromethane | ND | | 0.650 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,2-Dibromoethane | ND | | 2.75 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Dibromomethane | ND | | 2.30 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,2-Dichlorobenzene | ND | | 1.65 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,3-Dichlorobenzene | ND | | 1.03 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,4-Dichlorobenzene | ND | | 2.23 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Dichlorodifluoromethane | ND | | 2.07 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |

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2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

## Analytical Results

### Client Sample ID: SB7-0.5

### Laboratory Sample ID: 2111096-04 (Solid)

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | Batch ID: BK10607 | | | Prepared: 11/11/2021 17:00 | | | |
| 1,1-Dichloroethane | ND | | 1.30 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,2-Dichloroethane | ND | | 1.57 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,1-Dichloroethene | ND | | 1.60 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| cis-1,2-Dichloroethene | ND | | 2.16 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| trans-1,2-Dichloroethene | ND | | 2.60 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,1-Dichloropropene | ND | | 0.660 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,2-Dichloropropane | ND | | 0.920 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,3-Dichloropropane | ND | | 1.36 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 2,2-Dichloropropane | ND | | 1.12 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| cis-1,3-Dichloropropene | ND | | 0.980 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| trans-1,3-Dichloropropene | ND | | 0.960 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Ethylbenzene | ND | | 1.00 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Hexachlorobutadiene | ND | | 2.77 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 2-Hexanone | ND | | 3.18 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Isopropylbenzene | ND | | 1.42 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| p-Isopropyltoluene | ND | | 3.86 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Methyl tert-Butyl Ether (MTBE) | ND | | 1.81 | 5.00 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 4-Methyl-2-pentanone (MIBK) | ND | | 3.14 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Methylene chloride | ND | | 3.31 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Naphthalene | ND | | 1.14 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| n-Propylbenzene | ND | | 1.14 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Styrene | ND | | 0.800 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,1,1,2-Tetrachloroethane | ND | | 1.28 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 3.25 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Tetrachloroethene | ND | | 0.930 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Toluene | ND | | 1.00 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,2,3-Trichlorobenzene | ND | | 1.23 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 2.82 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,1,1-Trichloroethane | ND | | 2.03 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,1,2-Trichloroethane | ND | | 1.74 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Trichloroethene | ND | | 1.15 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Trichlorofluoromethane | ND | | 3.15 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,2,3-Trichloropropane | ND | | 1.74 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,2,4-Trimethylbenzene | ND | | 3.19 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| 1,3,5- Trimethylbenzene | ND | | 1.23 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| Vinyl acetate | ND | | 10.8 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |

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*2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500*

| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

**Analytical Results**

**Client Sample ID: SB7-0.5**

**Laboratory Sample ID: 2111096-04 (Solid)**

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | Batch ID: BK10607 | | Prepared: 11/11/2021 17:00 | | | |
| Vinyl chloride | ND | | 2.79 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| m,p-Xylenes | ND | | 1.80 | 4.00 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| o-Xylene | ND | | 1.00 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 13:31 | DW | 8260B |
| *Surrogate: 4-Bromofluorobenzene* | | | *91.7 %* | | *70-120* | | 5030A | 11/12/2021 13:31 | DW | *8260B* |
| *Surrogate: Dibromofluoromethane* | | | *74.6 %* | | *70-120* | | 5030A | 11/12/2021 13:31 | DW | *8260B* |
| *Surrogate: Toluene-d8* | | | *93.6 %* | | *70-120* | | 5030A | 11/12/2021 13:31 | DW | *8260B* |
| **8270 PAH SIM** | | | | | Batch ID: BK10609 | | Prepared: 11/15/2021 09:10 | | | |
| Acenaphthene | ND | | 5.52 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| Acenaphthylene | ND | | 5.52 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| Anthracene | ND | | 4.96 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| **Benzo(a)anthracene** | **4.67** | J | 3.40 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| Benzo[a]pyrene | ND | | 9.20 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| Benzo[b]fluoranthene | ND | | 9.24 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| Benzo(ghi)perylene | ND | | 20.0 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| Benzo[k]fluoranthene | ND | | 9.72 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| **Chrysene** | **10.0** | J | 5.68 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| Dibenz(a,h)anthracene | ND | | 18.9 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| **Fluoranthene** | **10.0** | J | 4.16 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| Fluorene | ND | | 5.00 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| Indeno (1,2,3-cd) pyrene | ND | | 17.7 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| Naphthalene | ND | | 6.32 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| Phenanthrene | ND | | 5.80 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| **Pyrene** | **10.7** | J | 4.12 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 16:42 | AY | 8270C |
| *Surrogate: Nitrobenzene-d5* | | | *92.8 %* | | *35-114* | | 3550 SV | 11/15/2021 16:42 | AY | *8270C* |
| *Surrogate: 1,4-Dioxane-d8* | | | *27.2 %* | | *21-105* | | 3550 SV | 11/15/2021 16:42 | AY | *8270C* |

**Analytical Results**

**Client Sample ID: SB4-0.5**

**Laboratory Sample ID: 2111096-07 (Solid)**

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Petroleum Hydrocarbons(TPH-g)** | | | | | Batch ID: BK10608 | | Prepared: 11/11/2021 17:00 | | | |
| Gasoline Range Organics | ND | | 250 | 500 | ug/kg | 1 | 5030A | 11/12/2021 16:17 | DW | 8015B |
| *Surrogate: Bromofluorobenzene* | | | *106 %* | | *70-120* | | 5030A | 11/12/2021 16:17 | DW | *8015B* |

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Environmental Testing Services
2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

## Analytical Results

### Client Sample ID: SB4-0.5

### Laboratory Sample ID: 2111096-07 (Solid)

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Petroleum Hydrocarbons(TPH DROORO)** | | | | Batch ID: BK10606 | | | Prepared: 11/12/2021 10:00 | | | |
| Diesel range organics | ND | | 1.00 | 10.0 | mg/kg | 1 | 3550B | 11/13/2021 02:15 | DW | 8015B |
| **Oil Range Organics** | **82.4** | | 17.0 | 50.0 | mg/kg | 1 | 3550B | 11/13/2021 02:15 | DW | 8015B |
| *Surrogate: Chlorobenzene* | | | *99.2 %* | *70-120* | | | 3550B | 11/13/2021 02:15 | DW | *8015B* |
| **Volatile Organic Compounds** | | | | Batch ID: BK10607 | | | Prepared: 11/11/2021 17:00 | | | |
| Acetone | ND | | 12.7 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Benzene | ND | | 0.930 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Bromobenzene | ND | | 3.39 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Bromochloromethane | ND | | 0.380 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Bromodichloromethane | ND | | 0.630 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Bromoform | ND | | 3.39 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Bromomethane | ND | | 2.75 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 2-Butanone | ND | | 5.83 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| n-Butylbenzene | ND | | 2.05 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| sec-Butylbenzene | ND | | 3.04 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| tert-Butylbenzene | ND | | 1.34 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Carbon disulfide | ND | | 5.53 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Carbon tetrachloride | ND | | 2.48 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Chlorobenzene | ND | | 0.890 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Chloroethane | ND | | 2.15 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 2-Chloroethylvinyl Ether | ND | | 5.53 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Chloroform | ND | | 1.24 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Chloromethane | ND | | 1.74 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 4-Chlorotoluene | ND | | 1.34 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 2-Chlorotoluene | ND | | 2.35 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 2.69 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Dibromochloromethane | ND | | 0.650 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,2-Dibromoethane | ND | | 2.75 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Dibromomethane | ND | | 2.30 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,2-Dichlorobenzene | ND | | 1.65 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,3-Dichlorobenzene | ND | | 1.03 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,4-Dichlorobenzene | ND | | 2.23 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Dichlorodifluoromethane | ND | | 2.07 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,1-Dichloroethane | ND | | 1.30 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,2-Dichloroethane | ND | | 1.57 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,1-Dichloroethene | ND | | 1.60 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |

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Amolk Brar, Lab Director

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2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500

| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

## Analytical Results

**Client Sample ID: SB4-0.5**

**Laboratory Sample ID: 2111096-07 (Solid)**

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | Batch ID: BK10607 | | | Prepared: 11/11/2021 17:00 | | | |
| cis-1,2-Dichloroethene | ND | | 2.16 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| trans-1,2-Dichloroethene | ND | | 2.60 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,1-Dichloropropene | ND | | 0.660 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,2-Dichloropropane | ND | | 0.920 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,3-Dichloropropane | ND | | 1.36 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 2,2-Dichloropropane | ND | | 1.12 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| cis-1,3-Dichloropropene | ND | | 0.980 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| trans-1,3-Dichloropropene | ND | | 0.960 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Ethylbenzene | ND | | 1.00 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Hexachlorobutadiene | ND | | 2.77 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 2-Hexanone | ND | | 3.18 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Isopropylbenzene | ND | | 1.42 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| p-Isopropyltoluene | ND | | 3.86 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Methyl tert-Butyl Ether (MTBE) | ND | | 1.81 | 5.00 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 4-Methyl-2-pentanone (MIBK) | ND | | 3.14 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Methylene chloride | ND | | 3.31 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Naphthalene | ND | | 1.14 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| n-Propylbenzene | ND | | 1.14 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Styrene | ND | | 0.800 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,1,1,2-Tetrachloroethane | ND | | 1.28 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 3.25 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Tetrachloroethene | ND | | 0.930 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Toluene | ND | | 1.00 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,2,3-Trichlorobenzene | ND | | 1.23 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 2.82 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,1,1-Trichloroethane | ND | | 2.03 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,1,2-Trichloroethane | ND | | 1.74 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Trichloroethene | ND | | 1.15 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Trichlorofluoromethane | ND | | 3.15 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,2,3-Trichloropropane | ND | | 1.74 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,2,4-Trimethylbenzene | ND | | 3.19 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| 1,3,5- Trimethylbenzene | ND | | 1.23 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Vinyl acetate | ND | | 10.8 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| Vinyl chloride | ND | | 2.79 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| m,p-Xylenes | ND | | 1.80 | 4.00 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |
| o-Xylene | ND | | 1.00 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 13:57 | DW | 8260B |

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Amolk Brar, Lab Director

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*Environmental Testing Services*
*2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500*

| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

**Analytical Results**

**Client Sample ID: SB4-0.5**

**Laboratory Sample ID: 2111096-07 (Solid)**

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | Batch ID: BK10607 | | Prepared: 11/11/2021 17:00 | | | |
| *Surrogate: 4-Bromofluorobenzene* | | | *87.9 %* | *70-120* | | | 5030A | 11/12/2021 13:57 | DW | *8260B* |
| *Surrogate: Dibromofluoromethane* | | | *74.1 %* | *70-120* | | | 5030A | 11/12/2021 13:57 | DW | *8260B* |
| *Surrogate: Toluene-d8* | | | *92.8 %* | *70-120* | | | 5030A | 11/12/2021 13:57 | DW | *8260B* |
| **8270 PAH SIM** | | | | | Batch ID: BK10609 | | Prepared: 11/15/2021 09:10 | | | |
| Acenaphthene | ND | | 5.52 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| Acenaphthylene | ND | | 5.52 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| Anthracene | ND | | 4.96 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| **Benzo(a)anthracene** | **4.00** | J | 3.40 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| Benzo[a]pyrene | ND | | 9.20 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| Benzo[b]fluoranthene | ND | | 9.24 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| Benzo(ghi)perylene | ND | | 20.0 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| Benzo[k]fluoranthene | ND | | 9.72 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| **Chrysene** | **15.3** | J | 5.68 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| Dibenz(a,h)anthracene | ND | | 18.9 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| **Fluoranthene** | **9.33** | J | 4.16 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| Fluorene | ND | | 5.00 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| Indeno (1,2,3-cd) pyrene | ND | | 17.7 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| Naphthalene | ND | | 6.32 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| Phenanthrene | ND | | 5.80 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| **Pyrene** | **10.0** | J | 4.12 | 20.0 | ug/kg | 4 | 3550 SV | 11/15/2021 17:11 | AY | 8270C |
| *Surrogate: Nitrobenzene-d5* | | | *85.6 %* | *35-114* | | | 3550 SV | 11/15/2021 17:11 | AY | *8270C* |
| *Surrogate: 1,4-Dioxane-d8* | | | *32.4 %* | *21-105* | | | 3550 SV | 11/15/2021 17:11 | AY | *8270C* |

**Analytical Results**

**Client Sample ID: SB5-0.5**

**Laboratory Sample ID: 2111096-10 (Solid)**

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Petroleum Hydrocarbons(TPH-g)** | | | | | Batch ID: BK10608 | | Prepared: 11/11/2021 17:00 | | | |
| Gasoline Range Organics | ND | | 250 | 500 | ug/kg | 1 | 5030A | 11/12/2021 16:45 | DW | 8015B |
| *Surrogate: Bromofluorobenzene* | | | *113 %* | *70-120* | | | 5030A | 11/12/2021 16:45 | DW | *8015B* |
| **Total Petroleum Hydrocarbons(TPH DROORO)** | | | | | Batch ID: BK10606 | | Prepared: 11/12/2021 10:00 | | | |
| Diesel range organics | ND | | 1.00 | 10.0 | mg/kg | 1 | 3550B | 11/13/2021 00:50 | DW | 8015B |

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| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

## Analytical Results

### Client Sample ID: SB5-0.5

### Laboratory Sample ID: 2111096-10 (Solid)

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Petroleum Hydrocarbons(TPH DROORO)** | | | | Batch ID: BK10606 | | | Prepared: 11/12/2021 10:00 | | | |
| Oil Range Organics | ND | | 17.0 | 50.0 | mg/kg | 1 | 3550B | 11/13/2021 00:50 | DW | 8015B |
| *Surrogate: Chlorobenzene* | | | *98.2 %* | *70-120* | | | 3550B | 11/13/2021 00:50 | DW | *8015B* |
| **Volatile Organic Compounds** | | | | Batch ID: BK10607 | | | Prepared: 11/11/2021 17:00 | | | |
| Acetone | ND | | 12.7 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Benzene | ND | | 0.930 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Bromobenzene | ND | | 3.39 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Bromochloromethane | ND | | 0.380 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Bromodichloromethane | ND | | 0.630 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Bromoform | ND | | 3.39 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Bromomethane | ND | | 2.75 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 2-Butanone | ND | | 5.83 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| n-Butylbenzene | ND | | 2.05 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| sec-Butylbenzene | ND | | 3.04 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| tert-Butylbenzene | ND | | 1.34 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Carbon disulfide | ND | | 5.53 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Carbon tetrachloride | ND | | 2.48 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Chlorobenzene | ND | | 0.890 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Chloroethane | ND | | 2.15 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 2-Chloroethylvinyl Ether | ND | | 5.53 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Chloroform | ND | | 1.24 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Chloromethane | ND | | 1.74 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 4-Chlorotoluene | ND | | 1.34 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 2-Chlorotoluene | ND | | 2.35 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 2.69 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Dibromochloromethane | ND | | 0.650 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,2-Dibromoethane | ND | | 2.75 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Dibromomethane | ND | | 2.30 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,2-Dichlorobenzene | ND | | 1.65 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,3-Dichlorobenzene | ND | | 1.03 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,4-Dichlorobenzene | ND | | 2.23 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Dichlorodifluoromethane | ND | | 2.07 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,1-Dichloroethane | ND | | 1.30 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,2-Dichloroethane | ND | | 1.57 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,1-Dichloroethene | ND | | 1.60 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| cis-1,2-Dichloroethene | ND | | 2.16 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |

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Amolk Brar, Lab Director

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*Environmental Testing Services*
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| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

**Analytical Results**

**Client Sample ID: SB5-0.5**

**Laboratory Sample ID: 2111096-10 (Solid)**

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | Batch ID: BK10607 | | | Prepared: 11/11/2021 17:00 | | | |
| trans-1,2-Dichloroethene | ND | | 2.60 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,1-Dichloropropene | ND | | 0.660 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,2-Dichloropropane | ND | | 0.920 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,3-Dichloropropane | ND | | 1.36 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 2,2-Dichloropropane | ND | | 1.12 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| cis-1,3-Dichloropropene | ND | | 0.980 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| trans-1,3-Dichloropropene | ND | | 0.960 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Ethylbenzene | ND | | 1.00 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Hexachlorobutadiene | ND | | 2.77 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 2-Hexanone | ND | | 3.18 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Isopropylbenzene | ND | | 1.42 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| p-Isopropyltoluene | ND | | 3.86 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Methyl tert-Butyl Ether (MTBE) | ND | | 1.81 | 5.00 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 4-Methyl-2-pentanone (MIBK) | ND | | 3.14 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Methylene chloride | ND | | 3.31 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Naphthalene | ND | | 1.14 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| n-Propylbenzene | ND | | 1.14 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Styrene | ND | | 0.800 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,1,1,2-Tetrachloroethane | ND | | 1.28 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 3.25 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Tetrachloroethene | ND | | 0.930 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Toluene | ND | | 1.00 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,2,3-Trichlorobenzene | ND | | 1.23 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 2.82 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,1,1-Trichloroethane | ND | | 2.03 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,1,2-Trichloroethane | ND | | 1.74 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Trichloroethene | ND | | 1.15 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Trichlorofluoromethane | ND | | 3.15 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,2,3-Trichloropropane | ND | | 1.74 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,2,4-Trimethylbenzene | ND | | 3.19 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| 1,3,5- Trimethylbenzene | ND | | 1.23 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Vinyl acetate | ND | | 10.8 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| Vinyl chloride | ND | | 2.79 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| m,p-Xylenes | ND | | 1.80 | 4.00 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| o-Xylene | ND | | 1.00 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 14:23 | DW | 8260B |
| *Surrogate: 4-Bromofluorobenzene* | | | *86.1 %* | | *70-120* | | 5030A | 11/12/2021 14:23 | DW | *8260B* |

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| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

## Analytical Results

**Client Sample ID: SB5-0.5**

**Laboratory Sample ID: 2111096-10 (Solid)**

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | | Batch ID: BK10607 | | Prepared: 11/11/2021 17:00 | | | |
| *Surrogate: Dibromofluoromethane* | | | *72.0 %* | *70-120* | | | 5030A | 11/12/2021 14:23 | DW | *8260B* |
| *Surrogate: Toluene-d8* | | | *93.9 %* | *70-120* | | | 5030A | 11/12/2021 14:23 | DW | *8260B* |
| **8270 PAH SIM** | | | | | Batch ID: BK10609 | | Prepared: 11/15/2021 09:10 | | | |
| Acenaphthene | ND | | 1.38 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| Acenaphthylene | ND | | 1.38 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| Anthracene | ND | | 1.24 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| Benzo(a)anthracene | ND | | 0.849 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| Benzo[a]pyrene | ND | | 2.30 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| Benzo[b]fluoranthene | ND | | 2.31 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| Benzo(ghi)perylene | ND | | 5.00 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| Benzo[k]fluoranthene | ND | | 2.43 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| Chrysene | ND | | 1.42 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| Dibenz(a,h)anthracene | ND | | 4.73 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| Fluoranthene | ND | | 1.04 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| Fluorene | ND | | 1.25 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| Indeno (1,2,3-cd) pyrene | ND | | 4.42 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| Naphthalene | ND | | 1.58 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| Phenanthrene | ND | | 1.45 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| Pyrene | ND | | 1.03 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 17:42 | AY | 8270C |
| *Surrogate: Nitrobenzene-d5* | | | *78.1 %* | *35-114* | | | 3550 SV | 11/15/2021 17:42 | AY | *8270C* |
| *Surrogate: 1,4-Dioxane-d8* | | | *33.2 %* | *21-105* | | | 3550 SV | 11/15/2021 17:42 | AY | *8270C* |

## Analytical Results

**Client Sample ID: SB6-0.5**

**Laboratory Sample ID: 2111096-13 (Solid)**

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Petroleum Hydrocarbons(TPH-g)** | | | | | Batch ID: BK10608 | | Prepared: 11/11/2021 17:00 | | | |
| Gasoline Range Organics | ND | | 250 | 500 | ug/kg | 1 | 5030A | 11/12/2021 17:14 | DW | 8015B |
| *Surrogate: Bromofluorobenzene* | | | *100 %* | *70-120* | | | 5030A | 11/12/2021 17:14 | DW | *8015B* |
| **Total Petroleum Hydrocarbons(TPH DROORO)** | | | | | Batch ID: BK10606 | | Prepared: 11/12/2021 10:00 | | | |
| Diesel range organics | ND | | 1.00 | 10.0 | mg/kg | 1 | 3550B | 11/13/2021 01:32 | DW | 8015B |
| Oil Range Organics | ND | | 17.0 | 50.0 | mg/kg | 1 | 3550B | 11/13/2021 01:32 | DW | 8015B |

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| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

## Analytical Results

### Client Sample ID: SB6-0.5

### Laboratory Sample ID: 2111096-13 (Solid)

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total Petroleum Hydrocarbons(TPH DROORO)** | | | | Batch ID: BK10606 | | | Prepared: 11/12/2021 10:00 | | | |
| *Surrogate: Chlorobenzene* | | | *99.9 %* | *70-120* | | | 3550B | 11/13/2021 01:32 | DW | *8015B* |
| **Volatile Organic Compounds** | | | | Batch ID: BK10607 | | | Prepared: 11/11/2021 17:00 | | | |
| Acetone | ND | | 12.7 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Benzene | ND | | 0.930 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Bromobenzene | ND | | 3.39 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Bromochloromethane | ND | | 0.380 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Bromodichloromethane | ND | | 0.630 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Bromoform | ND | | 3.39 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Bromomethane | ND | | 2.75 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 2-Butanone | ND | | 5.83 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| n-Butylbenzene | ND | | 2.05 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| sec-Butylbenzene | ND | | 3.04 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| tert-Butylbenzene | ND | | 1.34 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Carbon disulfide | ND | | 5.53 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Carbon tetrachloride | ND | | 2.48 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Chlorobenzene | ND | | 0.890 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Chloroethane | ND | | 2.15 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 2-Chloroethylvinyl Ether | ND | | 5.53 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Chloroform | ND | | 1.24 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Chloromethane | ND | | 1.74 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 4-Chlorotoluene | ND | | 1.34 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 2-Chlorotoluene | ND | | 2.35 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 2.69 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Dibromochloromethane | ND | | 0.650 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,2-Dibromoethane | ND | | 2.75 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Dibromomethane | ND | | 2.30 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,2-Dichlorobenzene | ND | | 1.65 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,3-Dichlorobenzene | ND | | 1.03 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,4-Dichlorobenzene | ND | | 2.23 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Dichlorodifluoromethane | ND | | 2.07 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,1-Dichloroethane | ND | | 1.30 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,2-Dichloroethane | ND | | 1.57 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,1-Dichloroethene | ND | | 1.60 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| cis-1,2-Dichloroethene | ND | | 2.16 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| trans-1,2-Dichloroethene | ND | | 2.60 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |

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| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

**Analytical Results**

**Client Sample ID: SB6-0.5**

**Laboratory Sample ID: 2111096-13 (Solid)**

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | Batch ID: BK10607 | | | Prepared: 11/11/2021 17:00 | | | |
| 1,1-Dichloropropene | ND | | 0.660 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,2-Dichloropropane | ND | | 0.920 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,3-Dichloropropane | ND | | 1.36 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 2,2-Dichloropropane | ND | | 1.12 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| cis-1,3-Dichloropropene | ND | | 0.980 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| trans-1,3-Dichloropropene | ND | | 0.960 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Ethylbenzene | ND | | 1.00 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Hexachlorobutadiene | ND | | 2.77 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 2-Hexanone | ND | | 3.18 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Isopropylbenzene | ND | | 1.42 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| p-Isopropyltoluene | ND | | 3.86 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Methyl tert-Butyl Ether (MTBE) | ND | | 1.81 | 5.00 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 4-Methyl-2-pentanone (MIBK) | ND | | 3.14 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Methylene chloride | ND | | 3.31 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Naphthalene | ND | | 1.14 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| n-Propylbenzene | ND | | 1.14 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Styrene | ND | | 0.800 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,1,1,2-Tetrachloroethane | ND | | 1.28 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 3.25 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Tetrachloroethene | ND | | 0.930 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Toluene | ND | | 1.00 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,2,3-Trichlorobenzene | ND | | 1.23 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 2.82 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,1,1-Trichloroethane | ND | | 2.03 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,1,2-Trichloroethane | ND | | 1.74 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Trichloroethene | ND | | 1.15 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Trichlorofluoromethane | ND | | 3.15 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,2,3-Trichloropropane | ND | | 1.74 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,2,4-Trimethylbenzene | ND | | 3.19 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| 1,3,5- Trimethylbenzene | ND | | 1.23 | 10.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Vinyl acetate | ND | | 10.8 | 50.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| Vinyl chloride | ND | | 2.79 | 30.0 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| m,p-Xylenes | ND | | 1.80 | 4.00 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| o-Xylene | ND | | 1.00 | 2.00 | ug/kg | 1 | 5030A | 11/12/2021 15:14 | DW | 8260B |
| *Surrogate: 4-Bromofluorobenzene* | | | *87.4 %* | | *70-120* | | 5030A | 11/12/2021 15:14 | DW | *8260B* |
| *Surrogate: Dibromofluoromethane* | | | *73.7 %* | | *70-120* | | 5030A | 11/12/2021 15:14 | DW | *8260B* |

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*2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500*

| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

**Analytical Results**

**Client Sample ID: SB6-0.5**

**Laboratory Sample ID: 2111096-13 (Solid)**

| Analyte | Result | Notes | MDL | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | Batch ID: BK10607 | | | Prepared: 11/11/2021 17:00 | | | |
| *Surrogate: Toluene-d8* | | | *91.9 %* | *70-120* | | | 5030A | 11/12/2021 15:14 | DW | *8260B* |
| **8270 PAH SIM** | | | | Batch ID: BK10609 | | | Prepared: 11/15/2021 09:10 | | | |
| Acenaphthene | ND | | 1.38 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| Acenaphthylene | ND | | 1.38 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| Anthracene | ND | | 1.24 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| Benzo(a)anthracene | ND | | 0.849 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| Benzo[a]pyrene | ND | | 2.30 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| Benzo[b]fluoranthene | ND | | 2.31 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| Benzo(ghi)perylene | ND | | 5.00 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| Benzo[k]fluoranthene | ND | | 2.43 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| Chrysene | ND | | 1.42 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| Dibenz(a,h)anthracene | ND | | 4.73 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| Fluoranthene | ND | | 1.04 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| Fluorene | ND | | 1.25 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| Indeno (1,2,3-cd) pyrene | ND | | 4.42 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| Naphthalene | ND | | 1.58 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| Phenanthrene | ND | | 1.45 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| Pyrene | ND | | 1.03 | 5.00 | ug/kg | 1 | 3550 SV | 11/15/2021 18:12 | AY | 8270C |
| *Surrogate: Nitrobenzene-d5* | | | *89.7 %* | *35-114* | | | 3550 SV | 11/15/2021 18:12 | AY | *8270C* |
| *Surrogate: 1,4-Dioxane-d8* | | | *36.6 %* | *21-105* | | | 3550 SV | 11/15/2021 18:12 | AY | *8270C* |

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|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

## Total Petroleum Hydrocarbons(TPH-g) - Quality Control Report

| Analyte | Result | MDL | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch BK10608 - 5030A - 8015B** | | | | | | | | | | | |
| **Blank (BK10608-BLK1)** | | | | | Prepared: 11/11/202 Analyzed: 11/12/202 | | | | | | |
| Gasoline Range Organics | ND | 250 | 500 | ug/kg | | | | | | | |
| **LCS (BK10608-BS1)** | | | | | Prepared: 11/11/202 Analyzed: 11/12/202 | | | | | | |
| Gasoline Range Organics | 563 | | | ug/L | 500 | | 113 | 75-120 | | | |
| **LCS Dup (BK10608-BSD1)** | | | | | Prepared: 11/11/202 Analyzed: 11/12/202 | | | | | | |
| Gasoline Range Organics | 562 | | | ug/L | 500 | | 112 | 75-120 | 0.105 | 15 | |
| **Matrix Spike (BK10608-MS1)** | | **Source: 2111096-10** | | | Prepared: 11/11/202 Analyzed: 11/12/202 | | | | | | |
| Gasoline Range Organics | 550 | | | ug/L | 500 | 0.00 | 110 | 75-120 | | | |
| **Matrix Spike Dup (BK10608-MSD1)** | | **Source: 2111096-10** | | | Prepared: 11/11/202 Analyzed: 11/12/202 | | | | | | |
| Gasoline Range Organics | 557 | | | ug/L | 500 | 0.00 | 111 | 75-120 | 1.30 | 15 | |

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|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

## Total Petroleum Hydrocarbons(TPH DROORO) - Quality Control Report

| Analyte | Result | MDL | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch BK10606 - 3550B - 8015B** | | | | | | | | | | | |
| **Blank (BK10606-BLK1)** | | | | | Prepared: 11/12/202 Analyzed: 11/13/202 | | | | | | |
| Diesel range organics | ND | 1.00 | 10.0 | mg/kg | | | | | | | |
| Oil Range Organics | ND | 17.0 | 50.0 | " | | | | | | | |
| *Surrogate: Chlorobenzene* | *92.9* | | | *mg/L* | *100* | | *92.9* | *70-120* | | | |
| **LCS (BK10606-BS1)** | | | | | Prepared: 11/12/202 Analyzed: 11/13/202 | | | | | | |
| Diesel range organics | 551 | | | mg/L | 500 | | 110 | 75-120 | | | |
| *Surrogate: Chlorobenzene* | *106* | | | *"* | *100* | | *106* | *70-120* | | | |
| **LCS Dup (BK10606-BSD1)** | | | | | Prepared: 11/12/202 Analyzed: 11/13/202 | | | | | | |
| Diesel range organics | 558 | | | mg/L | 500 | | 112 | 75-120 | 1.20 | 20 | |
| *Surrogate: Chlorobenzene* | *105* | | | *"* | *100* | | *105* | *70-120* | | | |
| **Matrix Spike (BK10606-MS1)** | | **Source: 2111096-10** | | | Prepared: 11/12/202 Analyzed: 11/13/202 | | | | | | |
| Diesel range organics | 547 | | | mg/L | 500 | 0.00 | 109 | 75-120 | | | |
| *Surrogate: Chlorobenzene* | *104* | | | *"* | *100* | | *104* | *70-120* | | | |
| **Matrix Spike Dup (BK10606-MSD1)** | | **Source: 2111096-10** | | | Prepared: 11/12/202 Analyzed: 11/13/202 | | | | | | |
| Diesel range organics | 550 | | | mg/L | 500 | 0.00 | 110 | 75-120 | 0.622 | 20 | |
| *Surrogate: Chlorobenzene* | *105* | | | *"* | *100* | | *105* | *70-120* | | | |

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| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

## Volatile Organic Compounds - Quality Control Report

| Analyte | Result | MDL | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch BK10607 - 5030A - 8260B** | | | | | | | | | | | |
| **Blank (BK10607-BLK1)** | | | | | Prepared: 11/11/202 Analyzed: 11/12/202 | | | | | | |
| Acetone | ND | 12.7 | 50.0 | ug/kg | | | | | | | |
| Benzene | ND | 0.930 | 2.00 | " | | | | | | | |
| Bromobenzene | ND | 3.39 | 10.0 | " | | | | | | | |
| Bromochloromethane | ND | 0.380 | 10.0 | " | | | | | | | |
| Bromodichloromethane | ND | 0.630 | 10.0 | " | | | | | | | |
| Bromoform | ND | 3.39 | 50.0 | " | | | | | | | |
| Bromomethane | ND | 2.75 | 30.0 | " | | | | | | | |
| 2-Butanone | ND | 5.83 | 50.0 | " | | | | | | | |
| n-Butylbenzene | ND | 2.05 | 10.0 | " | | | | | | | |
| sec-Butylbenzene | ND | 3.04 | 10.0 | " | | | | | | | |
| tert-Butylbenzene | ND | 1.34 | 10.0 | " | | | | | | | |
| Carbon disulfide | ND | 5.53 | 10.0 | " | | | | | | | |
| Carbon tetrachloride | ND | 2.48 | 10.0 | " | | | | | | | |
| Chlorobenzene | ND | 0.890 | 10.0 | " | | | | | | | |
| Chloroethane | ND | 2.15 | 30.0 | " | | | | | | | |
| 2-Chloroethylvinyl Ether | ND | 5.53 | 50.0 | " | | | | | | | |
| Chloroform | ND | 1.24 | 10.0 | " | | | | | | | |
| Chloromethane | ND | 1.74 | 30.0 | " | | | | | | | |
| 4-Chlorotoluene | ND | 1.34 | 10.0 | " | | | | | | | |
| 2-Chlorotoluene | ND | 2.35 | 10.0 | " | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 2.69 | 50.0 | " | | | | | | | |
| Dibromochloromethane | ND | 0.650 | 10.0 | " | | | | | | | |
| 1,2-Dibromoethane | ND | 2.75 | 10.0 | " | | | | | | | |
| Dibromomethane | ND | 2.30 | 10.0 | " | | | | | | | |
| 1,2-Dichlorobenzene | ND | 1.65 | 10.0 | " | | | | | | | |
| 1,3-Dichlorobenzene | ND | 1.03 | 10.0 | " | | | | | | | |
| 1,4-Dichlorobenzene | ND | 2.23 | 10.0 | " | | | | | | | |
| Dichlorodifluoromethane | ND | 2.07 | 30.0 | " | | | | | | | |
| 1,1-Dichloroethane | ND | 1.30 | 10.0 | " | | | | | | | |
| 1,2-Dichloroethane | ND | 1.57 | 10.0 | " | | | | | | | |
| 1,1-Dichloroethene | ND | 1.60 | 10.0 | " | | | | | | | |
| cis-1,2-Dichloroethene | ND | 2.16 | 10.0 | " | | | | | | | |
| trans-1,2-Dichloroethene | ND | 2.60 | 10.0 | " | | | | | | | |
| 1,1-Dichloropropene | ND | 0.660 | 10.0 | " | | | | | | | |
| 1,2-Dichloropropane | ND | 0.920 | 10.0 | " | | | | | | | |
| 1,3-Dichloropropane | ND | 1.36 | 10.0 | " | | | | | | | |
| 2,2-Dichloropropane | ND | 1.12 | 10.0 | " | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.980 | 10.0 | " | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.960 | 10.0 | " | | | | | | | |
| Ethylbenzene | ND | 1.00 | 2.00 | " | | | | | | | |
| Hexachlorobutadiene | ND | 2.77 | 30.0 | " | | | | | | | |

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## Volatile Organic Compounds - Quality Control Report

| Analyte | Result | MDL | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch BK10607 - 5030A - 8260B** | | | | | | | | | | | |
| **Blank (BK10607-BLK1)** | | | | | Prepared: 11/11/202 Analyzed: 11/12/202 | | | | | | |
| 2-Hexanone | ND | 3.18 | 50.0 | ug/kg | | | | | | | |
| Isopropylbenzene | ND | 1.42 | 10.0 | " | | | | | | | |
| p-Isopropyltoluene | ND | 3.86 | 10.0 | " | | | | | | | |
| Methyl tert-Butyl Ether (MTBE) | ND | 1.81 | 5.00 | " | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 3.14 | 50.0 | " | | | | | | | |
| Methylene chloride | ND | 3.31 | 50.0 | " | | | | | | | |
| Naphthalene | ND | 1.14 | 10.0 | " | | | | | | | |
| n-Propylbenzene | ND | 1.14 | 10.0 | " | | | | | | | |
| Styrene | ND | 0.800 | 10.0 | " | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.28 | 10.0 | " | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 3.25 | 10.0 | " | | | | | | | |
| Tetrachloroethene | ND | 0.930 | 10.0 | " | | | | | | | |
| Toluene | ND | 1.00 | 2.00 | " | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.23 | 10.0 | " | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 2.82 | 10.0 | " | | | | | | | |
| 1,1,1-Trichloroethane | ND | 2.03 | 10.0 | " | | | | | | | |
| 1,1,2-Trichloroethane | ND | 1.74 | 10.0 | " | | | | | | | |
| Trichloroethene | ND | 1.15 | 10.0 | " | | | | | | | |
| Trichlorofluoromethane | ND | 3.15 | 10.0 | " | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.74 | 10.0 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 3.19 | 10.0 | " | | | | | | | |
| 1,3,5- Trimethylbenzene | ND | 1.23 | 10.0 | " | | | | | | | |
| Vinyl acetate | ND | 10.8 | 50.0 | " | | | | | | | |
| Vinyl chloride | ND | 2.79 | 30.0 | " | | | | | | | |
| m,p-Xylenes | ND | 1.80 | 4.00 | " | | | | | | | |
| o-Xylene | ND | 1.00 | 2.00 | " | | | | | | | |
| **LCS (BK10607-BS1)** | | | | | Prepared: 11/11/202 Analyzed: 11/12/202 | | | | | | |
| Benzene | 53.4 | | | ug/L | 50.0 | | 107 | 75-120 | | | |
| Chlorobenzene | 50.2 | | | " | 50.0 | | 100 | 75-120 | | | |
| 1,1-Dichloroethene | 55.5 | | | " | 50.0 | | 111 | 75-120 | | | |
| Methyl tert-Butyl Ether (MTBE) | 44.4 | | | " | 50.0 | | 88.8 | 75-120 | | | |
| Toluene | 44.7 | | | " | 50.0 | | 89.5 | 75-120 | | | |
| Trichloroethene | 43.8 | | | " | 50.0 | | 87.6 | 75-120 | | | |

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## Volatile Organic Compounds - Quality Control Report

| Analyte | Result | MDL | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch BK10607 - 5030A - 8260B** | | | | | | | | | | | |
| **LCS Dup (BK10607-BSD1)** | | | | | Prepared: 11/11/202 Analyzed: 11/12/202 | | | | | | |
| Benzene | 55.4 | | | ug/L | 50.0 | | 111 | 75-120 | 3.77 | 20 | |
| Chlorobenzene | 50.4 | | | " | 50.0 | | 101 | 75-120 | 0.438 | 20 | |
| 1,1-Dichloroethene | 60.1 | | | " | 50.0 | | 120 | 75-120 | 7.87 | 15 | |
| Methyl tert-Butyl Ether (MTBE) | 45.5 | | | " | 50.0 | | 91.0 | 75-120 | 2.47 | 15 | |
| Toluene | 43.1 | | | " | 50.0 | | 86.2 | 75-120 | 3.73 | 15 | |
| Trichloroethene | 45.0 | | | " | 50.0 | | 89.9 | 75-120 | 2.64 | 20 | |
| **Matrix Spike (BK10607-MS1)** | | **Source: 2111096-10** | | | Prepared: 11/11/202 Analyzed: 11/12/202 | | | | | | |
| Benzene | 49.4 | | | ug/L | 50.0 | 0.00 | 98.9 | 75-120 | | | |
| Chlorobenzene | 47.8 | | | " | 50.0 | 0.00 | 95.5 | 75-120 | | | |
| 1,1-Dichloroethene | 51.7 | | | " | 50.0 | 0.00 | 103 | 75-120 | | | |
| Methyl tert-Butyl Ether (MTBE) | 38.5 | | | " | 50.0 | 0.00 | 77.0 | 75-120 | | | |
| Toluene | 40.7 | | | " | 50.0 | 0.00 | 81.4 | 75-120 | | | |
| Trichloroethene | 40.6 | | | " | 50.0 | 0.00 | 81.1 | 75-120 | | | |
| **Matrix Spike Dup (BK10607-MSD1)** | | **Source: 2111096-10** | | | Prepared: 11/11/202 Analyzed: 11/12/202 | | | | | | |
| Benzene | 53.4 | | | ug/L | 50.0 | 0.00 | 107 | 75-120 | 7.80 | 15 | |
| Chlorobenzene | 49.6 | | | " | 50.0 | 0.00 | 99.1 | 75-120 | 3.72 | 15 | |
| 1,1-Dichloroethene | 56.1 | | | " | 50.0 | 0.00 | 112 | 75-120 | 8.09 | 15 | |
| Methyl tert-Butyl Ether (MTBE) | 43.8 | | | " | 50.0 | 0.00 | 87.7 | 75-120 | 12.9 | 15 | |
| Toluene | 43.5 | | | " | 50.0 | 0.00 | 87.0 | 75-120 | 6.65 | 15 | |
| Trichloroethene | 43.9 | | | " | 50.0 | 0.00 | 87.7 | 75-120 | 7.84 | 15 | |

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## 8270 PAH SIM - Quality Control Report

| Analyte | Result | MDL | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch BK10609 - 3550 SV - 8270C** | | | | | | | | | | | |
| **Blank (BK10609-BLK1)** | | | | | Prepared & Analyzed: 11/15/202 | | | | | | |
| Acenaphthene | ND | 1.38 | 5.00 | ug/kg | | | | | | | |
| Acenaphthylene | ND | 1.38 | 5.00 | " | | | | | | | |
| Anthracene | ND | 1.24 | 5.00 | " | | | | | | | |
| Benzo(a)anthracene | ND | 0.849 | 5.00 | " | | | | | | | |
| Benzo[a]pyrene | ND | 2.30 | 5.00 | " | | | | | | | |
| Benzo[b]fluoranthene | ND | 2.31 | 5.00 | " | | | | | | | |
| Benzo(ghi)perylene | ND | 5.00 | 5.00 | " | | | | | | | |
| Benzo[k]fluoranthene | ND | 2.43 | 5.00 | " | | | | | | | |
| Chrysene | ND | 1.42 | 5.00 | " | | | | | | | |
| Dibenz(a,h)anthracene | ND | 4.73 | 5.00 | " | | | | | | | |
| Fluoranthene | ND | 1.04 | 5.00 | " | | | | | | | |
| Fluorene | ND | 1.25 | 5.00 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 4.42 | 5.00 | " | | | | | | | |
| Naphthalene | ND | 1.58 | 5.00 | " | | | | | | | |
| Phenanthrene | ND | 1.45 | 5.00 | " | | | | | | | |
| Pyrene | ND | 1.03 | 5.00 | " | | | | | | | |
| **LCS (BK10609-BS1)** | | | | | Prepared & Analyzed: 11/15/202 | | | | | | |
| Acenaphthene | 19.5 | 1.38 | 5.00 | ug/kg | 33.3 | | 58.5 | 43-118 | | | |
| Pyrene | 18.3 | 1.03 | 5.00 | " | 33.3 | | 55.0 | 26-127 | | | |
| **LCS Dup (BK10609-BSD1)** | | | | | Prepared & Analyzed: 11/15/202 | | | | | | |
| Acenaphthene | 19.0 | 1.38 | 5.00 | ug/kg | 33.3 | | 57.0 | 43-118 | 2.60 | 30 | |
| Pyrene | 18.7 | 1.03 | 5.00 | " | 33.3 | | 56.0 | 26-127 | 1.80 | 30 | |
| **Matrix Spike (BK10609-MS1)** | | **Source: 2111096-13** | | | Prepared & Analyzed: 11/15/202 | | | | | | |
| Acenaphthene | 24.5 | 1.38 | 5.00 | ug/kg | 33.3 | ND | 73.5 | 43-118 | | | |
| Pyrene | 26.3 | 1.03 | 5.00 | " | 33.3 | ND | 79.0 | 26-127 | | | |

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| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

## 8270 PAH SIM - Quality Control Report

| Analyte | Result | MDL | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch BK10609 - 3550 SV - 8270C** | | | | | | | | | | | |
| **Matrix Spike Dup (BK10609-MSD1)** | | **Source: 2111096-13** | | | Prepared & Analyzed: 11/15/202 | | | | | | |
| Acenaphthene | 21.8 | 1.38 | 5.00 | ug/kg | 33.3 | ND | 65.5 | 43-118 | 11.5 | 30 | |
| Pyrene | 24.0 | 1.03 | 5.00 | " | 33.3 | ND | 72.0 | 26-127 | 9.27 | 30 | |

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

Amolk Brar, Lab Director

American Scientific Laboratories, LLC
*Environmental Testing Services*
*2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500*

| | | |
|---|---|---|
| SCS Engineers | Project: Nirvana Properties | Work Order No: 2111096 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 11/17/2021 12:58 |

## Notes and Definitions

| | |
|---|---|
| J | Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag). |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the practical quantitation limit (PQL) |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |

Mobile
Geochemistry Inc.

16 November 2021

Luke Montague
SCS Engineers - San Diego
8799 Balboa Avenue, Suite 290
San Diego, CA 92123

H&P Project: SCS111221-11
Client Project: 01221156.00/ 821 Main Street

Dear Luke Montague:

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 11-Nov-21 which were analyzed in accordance with the attached Chain of Custody record(s).

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

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

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

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

Sincerely,

Lisa Eminhizer
Laboratory Director

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

H&P Mobile
Geochemistry Inc.

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

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|---|---|---|
| SCS Engineers - San Diego | Project: SCS111221-11 | |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00/ 821 Main Street | Reported: |
| San Diego, CA 92123 | Project Manager: Luke Montague | 16-Nov-21 15:37 |

**ANALYTICAL REPORT FOR SAMPLES**

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| SV3-3 | E111044-01 | Vapor | 11-Nov-21 | 11-Nov-21 |
| SV3-3 Rep | E111044-02 | Vapor | 11-Nov-21 | 11-Nov-21 |
| SV2-2 | E111044-03 | Vapor | 11-Nov-21 | 11-Nov-21 |
| SV1-4 | E111044-04 | Vapor | 11-Nov-21 | 11-Nov-21 |

The percent recoveries for 2-Butanone, 2 Hexanone and 1,2,4-Trichlorobenzene fell below the method criteria in the continuing calibration verification. Any results for these analytes may be biased low.

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

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| San Diego, CA 92123 | Project Manager: Luke Montague | 16-Nov-21 15:37 |

## DETECTIONS SUMMARY

Sample ID: **SV3-3** Laboratory ID: **E111044-01**

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| **Toluene** | **9.8** | 3.8 | ug/m3 | EPA TO-15 | |
| **m,p-Xylene** | **9.2** | 8.8 | ug/m3 | EPA TO-15 | |

Sample ID: **SV3-3 Rep** Laboratory ID: **E111044-02**

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| **Toluene** | **8.8** | 3.8 | ug/m3 | EPA TO-15 | |

Sample ID: **SV2-2** Laboratory ID: **E111044-03**

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| **Carbon disulfide** | **47** | 6.3 | ug/m3 | EPA TO-15 | |
| **Toluene** | **19** | 3.8 | ug/m3 | EPA TO-15 | |
| **m,p-Xylene** | **26** | 8.8 | ug/m3 | EPA TO-15 | |
| **o-Xylene** | **7.2** | 4.4 | ug/m3 | EPA TO-15 | |
| **1,2,4-Trimethylbenzene** | **12** | 5.0 | ug/m3 | EPA TO-15 | |

Sample ID: **SV1-4** Laboratory ID: **E111044-04**

| Analyte | Result | Reporting Limit | Units | Method | Notes |
|---|---|---|---|---|---|
| **Chloroform** | **9.0** | 4.9 | ug/m3 | EPA TO-15 | |

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| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00/ 821 Main Street | Reported: |
| San Diego, CA 92123 | Project Manager: Luke Montague | 16-Nov-21 15:37 |

## Volatile Organic Compounds by EPA TO-15

## H&P Mobile Geochemistry, Inc.

**SV3-3 (E111044-01) Vapor Sampled: 11-Nov-21 Received: 11-Nov-21**

| Analyte | Result | Reporting Limit | Units | Dilution Factor | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Difluoroethane (LCC) | ND | 5.5 | ug/m3 | 1 | EK11508 | 15-Nov-21 | 15-Nov-21 | EPA TO-15 | |
| Dichlorodifluoromethane (F12) | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 2.1 | " | " | " | " | " | " | |
| Dichlorotetrafluoroethane (F114) | ND | 7.1 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 2.6 | " | " | " | " | " | " | |
| Bromomethane | ND | 16 | " | " | " | " | " | " | |
| Chloroethane | ND | 8.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane (F11) | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.0 | " | " | " | " | " | " | |
| 1,1,2-Trichlorotrifluoroethane (F113) | ND | 7.7 | " | " | " | " | " | " | |
| Methylene chloride (Dichloromethane) | ND | 3.5 | " | " | " | " | " | " | |
| Carbon disulfide | ND | 6.3 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 8.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.1 | " | " | " | " | " | " | |
| 2-Butanone (MEK) | ND | 30 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.0 | " | " | " | " | " | " | |
| Chloroform | ND | 4.9 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.5 | " | " | " | " | " | " | |
| 1,2-Dichloroethane (EDC) | ND | 4.1 | " | " | " | " | " | " | |
| Benzene | ND | 3.2 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 6.4 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.5 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 9.4 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.8 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 4.6 | " | " | " | " | " | " | |
| 4-Methyl-2-pentanone (MIBK) | ND | 8.3 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 4.6 | " | " | " | " | " | " | |
| **Toluene** | **9.8** | 3.8 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.5 | " | " | " | " | " | " | |
| 2-Hexanone (MBK) | ND | 8.3 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 8.6 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 6.9 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 7.8 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 7.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.7 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| **m,p-Xylene** | **9.2** | 8.8 | " | " | " | " | " | " | |
| Styrene | ND | 4.3 | " | " | " | " | " | " | |

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2470 Impala Drive
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760-804-9678 Phone
760-804-9159 Fax

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| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00/ 821 Main Street | Reported: |
| San Diego, CA 92123 | Project Manager: Luke Montague | 16-Nov-21 15:37 |

## Volatile Organic Compounds by EPA TO-15

## H&P Mobile Geochemistry, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution Factor | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SV3-3 (E111044-01) Vapor Sampled: 11-Nov-21 Received: 11-Nov-21** | | | | | | | | | |
| o-Xylene | ND | 4.4 | ug/m3 | 1 | EK11508 | 15-Nov-21 | 15-Nov-21 | EPA TO-15 | |
| Bromoform | ND | 10 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 7.0 | " | " | " | " | " | " | |
| 4-Ethyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 12 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 12 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 12 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 38 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 54 | " | " | " | " | " | " | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *107 %* | | *76-134* | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *102 %* | | *78-125* | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *85.8 %* | | *77-127* | " | " | " | " | |
| **SV3-3 Rep (E111044-02) Vapor Sampled: 11-Nov-21 Received: 11-Nov-21** | | | | | | | | | |
| 1,1-Difluoroethane (LCC) | ND | 5.5 | ug/m3 | 1 | EK11508 | 15-Nov-21 | 15-Nov-21 | EPA TO-15 | |
| Dichlorodifluoromethane (F12) | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 2.1 | " | " | " | " | " | " | |
| Dichlorotetrafluoroethane (F114) | ND | 7.1 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 2.6 | " | " | " | " | " | " | |
| Bromomethane | ND | 16 | " | " | " | " | " | " | |
| Chloroethane | ND | 8.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane (F11) | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.0 | " | " | " | " | " | " | |
| 1,1,2-Trichlorotrifluoroethane (F113) | ND | 7.7 | " | " | " | " | " | " | |
| Methylene chloride (Dichloromethane) | ND | 3.5 | " | " | " | " | " | " | |
| Carbon disulfide | ND | 6.3 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 8.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.1 | " | " | " | " | " | " | |
| 2-Butanone (MEK) | ND | 30 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.0 | " | " | " | " | " | " | |
| Chloroform | ND | 4.9 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.5 | " | " | " | " | " | " | |
| 1,2-Dichloroethane (EDC) | ND | 4.1 | " | " | " | " | " | " | |
| Benzene | ND | 3.2 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 6.4 | " | " | " | " | " | " | |

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| San Diego, CA 92123 | Project Manager: Luke Montague | 16-Nov-21 15:37 |

## Volatile Organic Compounds by EPA TO-15

## H&P Mobile Geochemistry, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution Factor | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SV3-3 Rep (E111044-02) Vapor Sampled: 11-Nov-21 Received: 11-Nov-21** | | | | | | | | | |
| Trichloroethene | ND | 5.5 | ug/m3 | 1 | EK11508 | 15-Nov-21 | 15-Nov-21 | EPA TO-15 | |
| 1,2-Dichloropropane | ND | 9.4 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.8 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 4.6 | " | " | " | " | " | " | |
| 4-Methyl-2-pentanone (MIBK) | ND | 8.3 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 4.6 | " | " | " | " | " | " | |
| **Toluene** | **8.8** | 3.8 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.5 | " | " | " | " | " | " | |
| 2-Hexanone (MBK) | ND | 8.3 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 8.6 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 6.9 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 7.8 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 7.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.7 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 8.8 | " | " | " | " | " | " | |
| Styrene | ND | 4.3 | " | " | " | " | " | " | |
| o-Xylene | ND | 4.4 | " | " | " | " | " | " | |
| Bromoform | ND | 10 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 7.0 | " | " | " | " | " | " | |
| 4-Ethyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 12 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 12 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 12 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 38 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 54 | " | " | " | " | " | " | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *107 %* | | *76-134* | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *102 %* | | *78-125* | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *84.4 %* | | *77-127* | " | " | " | " | |

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## Volatile Organic Compounds by EPA TO-15

## H&P Mobile Geochemistry, Inc.

**SV2-2 (E111044-03) Vapor Sampled: 11-Nov-21 Received: 11-Nov-21**

| Analyte | Result | Reporting Limit | Units | Dilution Factor | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Difluoroethane (LCC) | ND | 5.5 | ug/m3 | 1 | EK11508 | 15-Nov-21 | 15-Nov-21 | EPA TO-15 | |
| Dichlorodifluoromethane (F12) | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 2.1 | " | " | " | " | " | " | |
| Dichlorotetrafluoroethane (F114) | ND | 7.1 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 2.6 | " | " | " | " | " | " | |
| Bromomethane | ND | 16 | " | " | " | " | " | " | |
| Chloroethane | ND | 8.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane (F11) | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.0 | " | " | " | " | " | " | |
| 1,1,2-Trichlorotrifluoroethane (F113) | ND | 7.7 | " | " | " | " | " | " | |
| Methylene chloride (Dichloromethane) | ND | 3.5 | " | " | " | " | " | " | |
| **Carbon disulfide** | **47** | 6.3 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 8.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.1 | " | " | " | " | " | " | |
| 2-Butanone (MEK) | ND | 30 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.0 | " | " | " | " | " | " | |
| Chloroform | ND | 4.9 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.5 | " | " | " | " | " | " | |
| 1,2-Dichloroethane (EDC) | ND | 4.1 | " | " | " | " | " | " | |
| Benzene | ND | 3.2 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 6.4 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.5 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 9.4 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.8 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 4.6 | " | " | " | " | " | " | |
| 4-Methyl-2-pentanone (MIBK) | ND | 8.3 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 4.6 | " | " | " | " | " | " | |
| **Toluene** | **19** | 3.8 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.5 | " | " | " | " | " | " | |
| 2-Hexanone (MBK) | ND | 8.3 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 8.6 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 6.9 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 7.8 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 7.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.7 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| **m,p-Xylene** | **26** | 8.8 | " | " | " | " | " | " | |
| Styrene | ND | 4.3 | " | " | " | " | " | " | |

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| San Diego, CA 92123 | Project Manager: Luke Montague | 16-Nov-21 15:37 |

## Volatile Organic Compounds by EPA TO-15

## H&P Mobile Geochemistry, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution Factor | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SV2-2 (E111044-03) Vapor Sampled: 11-Nov-21 Received: 11-Nov-21** | | | | | | | | | |
| **o-Xylene** | **7.2** | 4.4 | ug/m3 | 1 | EK11508 | 15-Nov-21 | 15-Nov-21 | EPA TO-15 | |
| Bromoform | ND | 10 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 7.0 | " | " | " | " | " | " | |
| 4-Ethyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| **1,2,4-Trimethylbenzene** | **12** | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 12 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 12 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 12 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 38 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 54 | " | " | " | " | " | " | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *109 %* | | *76-134* | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *102 %* | | *78-125* | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *87.2 %* | | *77-127* | " | " | " | " | |
| **SV1-4 (E111044-04) Vapor Sampled: 11-Nov-21 Received: 11-Nov-21** | | | | | | | | | |
| 1,1-Difluoroethane (LCC) | ND | 5.5 | ug/m3 | 1 | EK11508 | 15-Nov-21 | 15-Nov-21 | EPA TO-15 | |
| Dichlorodifluoromethane (F12) | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 2.1 | " | " | " | " | " | " | |
| Dichlorotetrafluoroethane (F114) | ND | 7.1 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 2.6 | " | " | " | " | " | " | |
| Bromomethane | ND | 16 | " | " | " | " | " | " | |
| Chloroethane | ND | 8.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane (F11) | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.0 | " | " | " | " | " | " | |
| 1,1,2-Trichlorotrifluoroethane (F113) | ND | 7.7 | " | " | " | " | " | " | |
| Methylene chloride (Dichloromethane) | ND | 3.5 | " | " | " | " | " | " | |
| Carbon disulfide | ND | 6.3 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 8.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.1 | " | " | " | " | " | " | |
| 2-Butanone (MEK) | ND | 30 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.0 | " | " | " | " | " | " | |
| **Chloroform** | **9.0** | 4.9 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.5 | " | " | " | " | " | " | |
| 1,2-Dichloroethane (EDC) | ND | 4.1 | " | " | " | " | " | " | |
| Benzene | ND | 3.2 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 6.4 | " | " | " | " | " | " | |

H&P Mobile
Geochemistry Inc.

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

| | | |
|---|---|---|
| SCS Engineers - San Diego | Project: SCS111221-11 | |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00/ 821 Main Street | Reported: |
| San Diego, CA 92123 | Project Manager: Luke Montague | 16-Nov-21 15:37 |

## Volatile Organic Compounds by EPA TO-15

## H&P Mobile Geochemistry, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution Factor | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **SV1-4 (E111044-04) Vapor Sampled: 11-Nov-21 Received: 11-Nov-21** | | | | | | | | | |
| Trichloroethene | ND | 5.5 | ug/m3 | 1 | EK11508 | 15-Nov-21 | 15-Nov-21 | EPA TO-15 | |
| 1,2-Dichloropropane | ND | 9.4 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.8 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 4.6 | " | " | " | " | " | " | |
| 4-Methyl-2-pentanone (MIBK) | ND | 8.3 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 4.6 | " | " | " | " | " | " | |
| Toluene | ND | 3.8 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.5 | " | " | " | " | " | " | |
| 2-Hexanone (MBK) | ND | 8.3 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 8.6 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 6.9 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 7.8 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 7.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.7 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 8.8 | " | " | " | " | " | " | |
| Styrene | ND | 4.3 | " | " | " | " | " | " | |
| o-Xylene | ND | 4.4 | " | " | " | " | " | " | |
| Bromoform | ND | 10 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 7.0 | " | " | " | " | " | " | |
| 4-Ethyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 12 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 12 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 12 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 38 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 54 | " | " | " | " | " | " | |
| *Surrogate: 1,2-Dichloroethane-d4* | | *107 %* | | *76-134* | " | " | " | " | |
| *Surrogate: Toluene-d8* | | *104 %* | | *78-125* | " | " | " | " | |
| *Surrogate: 4-Bromofluorobenzene* | | *82.7 %* | | *77-127* | " | " | " | " | |

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2470 Impala Drive
Carlsbad, CA 92010
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|---|---|---|
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| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00/ 821 Main Street | Reported: |
| San Diego, CA 92123 | Project Manager: Luke Montague | 16-Nov-21 15:37 |

## Volatile Organic Compounds by EPA TO-15 - Quality Control

## H&P Mobile Geochemistry, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch EK11508 - TO-15** | | | | | | | | | | |
| **Blank (EK11508-BLK1)** | | | | Prepared & Analyzed: 15-Nov-21 | | | | | | |
| 1,1-Difluoroethane (LCC) | ND | 5.5 | ug/m3 | | | | | | | |
| Dichlorodifluoromethane (F12) | ND | 5.0 | " | | | | | | | |
| Chloromethane | ND | 2.1 | " | | | | | | | |
| Dichlorotetrafluoroethane (F114) | ND | 7.1 | " | | | | | | | |
| Vinyl chloride | ND | 2.6 | " | | | | | | | |
| Bromomethane | ND | 16 | " | | | | | | | |
| Chloroethane | ND | 8.0 | " | | | | | | | |
| Trichlorofluoromethane (F11) | ND | 5.6 | " | | | | | | | |
| 1,1-Dichloroethene | ND | 4.0 | " | | | | | | | |
| 1,1,2-Trichlorotrifluoroethane (F113) | ND | 7.7 | " | | | | | | | |
| Methylene chloride (Dichloromethane) | ND | 3.5 | " | | | | | | | |
| Carbon disulfide | ND | 6.3 | " | | | | | | | |
| trans-1,2-Dichloroethene | ND | 8.0 | " | | | | | | | |
| 1,1-Dichloroethane | ND | 4.1 | " | | | | | | | |
| 2-Butanone (MEK) | ND | 30 | " | | | | | | | |
| cis-1,2-Dichloroethene | ND | 4.0 | " | | | | | | | |
| Chloroform | ND | 4.9 | " | | | | | | | |
| 1,1,1-Trichloroethane | ND | 5.5 | " | | | | | | | |
| 1,2-Dichloroethane (EDC) | ND | 4.1 | " | | | | | | | |
| Benzene | ND | 3.2 | " | | | | | | | |
| Carbon tetrachloride | ND | 6.4 | " | | | | | | | |
| Trichloroethene | ND | 5.5 | " | | | | | | | |
| 1,2-Dichloropropane | ND | 9.4 | " | | | | | | | |
| Bromodichloromethane | ND | 6.8 | " | | | | | | | |
| cis-1,3-Dichloropropene | ND | 4.6 | " | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 8.3 | " | | | | | | | |
| trans-1,3-Dichloropropene | ND | 4.6 | " | | | | | | | |
| Toluene | ND | 3.8 | " | | | | | | | |
| 1,1,2-Trichloroethane | ND | 5.5 | " | | | | | | | |
| 2-Hexanone (MBK) | ND | 8.3 | " | | | | | | | |
| Dibromochloromethane | ND | 8.6 | " | | | | | | | |
| Tetrachloroethene | ND | 6.9 | " | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 7.8 | " | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 7.0 | " | | | | | | | |

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2470 Impala Drive
Carlsbad, CA 92010
760-804-9678 Phone
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| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00/ 821 Main Street | Reported: |
| San Diego, CA 92123 | Project Manager: Luke Montague | 16-Nov-21 15:37 |

## Volatile Organic Compounds by EPA TO-15 - Quality Control

## H&P Mobile Geochemistry, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch EK11508 - TO-15** | | | | | | | | | | |
| **Blank (EK11508-BLK1)** | | | | Prepared & Analyzed: 15-Nov-21 | | | | | | |
| Chlorobenzene | ND | 4.7 | ug/m3 | | | | | | | |
| Ethylbenzene | ND | 4.4 | " | | | | | | | |
| m,p-Xylene | ND | 8.8 | " | | | | | | | |
| Styrene | ND | 4.3 | " | | | | | | | |
| o-Xylene | ND | 4.4 | " | | | | | | | |
| Bromoform | ND | 10 | " | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 7.0 | " | | | | | | | |
| 4-Ethyltoluene | ND | 5.0 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | | | | | | | |
| 1,3-Dichlorobenzene | ND | 12 | " | | | | | | | |
| 1,4-Dichlorobenzene | ND | 12 | " | | | | | | | |
| 1,2-Dichlorobenzene | ND | 12 | " | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 38 | " | | | | | | | |
| Hexachlorobutadiene | ND | 54 | " | | | | | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *229* | | *"* | *214* | | *107* | *76-134* | | | |
| *Surrogate: Toluene-d8* | *202* | | *"* | *208* | | *97.0* | *78-125* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *298* | | *"* | *363* | | *82.0* | *77-127* | | | |
| **LCS (EK11508-BS1)** | | | | Prepared & Analyzed: 15-Nov-21 | | | | | | |
| Dichlorodifluoromethane (F12) | 140 | 5.0 | ug/m3 | 101 | | 136 | 59-128 | | | QL-1H |
| Vinyl chloride | 73 | 2.6 | " | 52.0 | | 141 | 64-127 | | | QL-1H |
| Chloroethane | 72 | 8.0 | " | 53.6 | | 134 | 63-127 | | | QL-1H |
| Trichlorofluoromethane (F11) | 120 | 5.6 | " | 113 | | 108 | 62-126 | | | |
| 1,1-Dichloroethene | 69 | 4.0 | " | 80.8 | | 85.0 | 61-133 | | | |
| 1,1,2-Trichlorotrifluoroethane (F113) | 160 | 7.7 | " | 155 | | 103 | 66-126 | | | |
| Methylene chloride (Dichloromethane) | 60 | 3.5 | " | 70.8 | | 84.2 | 62-115 | | | |
| trans-1,2-Dichloroethene | 60 | 8.0 | " | 80.8 | | 74.2 | 67-124 | | | |
| 1,1-Dichloroethane | 67 | 4.1 | " | 82.4 | | 81.3 | 68-126 | | | |
| cis-1,2-Dichloroethene | 61 | 4.0 | " | 80.0 | | 76.2 | 70-121 | | | |
| Chloroform | 97 | 4.9 | " | 99.2 | | 98.0 | 68-123 | | | |
| 1,1,1-Trichloroethane | 120 | 5.5 | " | 111 | | 104 | 68-125 | | | |
| 1,2-Dichloroethane (EDC) | 80 | 4.1 | " | 82.4 | | 97.3 | 65-128 | | | |

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Geochemistry Inc.

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

| | | |
|---|---|---|
| SCS Engineers - San Diego | Project: SCS111221-11 | |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00/ 821 Main Street | Reported: |
| San Diego, CA 92123 | Project Manager: Luke Montague | 16-Nov-21 15:37 |

## Volatile Organic Compounds by EPA TO-15 - Quality Control

## H&P Mobile Geochemistry, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch EK11508 - TO-15** | | | | | | | | | | |
| **LCS (EK11508-BS1)** | | | | Prepared & Analyzed: 15-Nov-21 | | | | | | |
| Benzene | 52 | 3.2 | ug/m3 | 64.8 | | 80.3 | 69-119 | | | |
| Carbon tetrachloride | 140 | 6.4 | " | 128 | | 110 | 68-132 | | | |
| Trichloroethene | 100 | 5.5 | " | 110 | | 95.6 | 71-123 | | | |
| Toluene | 74 | 3.8 | " | 76.8 | | 96.2 | 66-119 | | | |
| 1,1,2-Trichloroethane | 96 | 5.5 | " | 111 | | 86.8 | 73-119 | | | |
| Tetrachloroethene | 130 | 6.9 | " | 138 | | 96.2 | 66-124 | | | |
| 1,1,1,2-Tetrachloroethane | 140 | 7.0 | " | 140 | | 101 | 67-129 | | | |
| Ethylbenzene | 84 | 4.4 | " | 88.4 | | 95.5 | 70-124 | | | |
| m,p-Xylene | 89 | 8.8 | " | 88.4 | | 101 | 61-134 | | | |
| o-Xylene | 95 | 4.4 | " | 88.4 | | 108 | 67-125 | | | |
| 1,1,2,2-Tetrachloroethane | 110 | 7.0 | " | 140 | | 77.3 | 65-127 | | | |
| *Surrogate: 1,2-Dichloroethane-d4* | *234* | | *"* | *214* | | *110* | *76-134* | | | |
| *Surrogate: Toluene-d8* | *204* | | *"* | *208* | | *98.0* | *78-125* | | | |
| *Surrogate: 4-Bromofluorobenzene* | *360* | | *"* | *363* | | *99.1* | *77-127* | | | |

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|---|---|---|
| SCS Engineers - San Diego | Project: SCS111221-11 | |
| 8799 Balboa Avenue, Suite 290 | Project Number: 01221156.00/ 821 Main Street | Reported: |
| San Diego, CA 92123 | Project Manager: Luke Montague | 16-Nov-21 15:37 |

## Notes and Definitions

| | |
|---|---|
| QL-1H | The LCS and/or LCSD recoveries fell above the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased high. |
| LCC | Leak Check Compound |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| MDL | Method Detection Limit |
| %REC | Percent Recovery |
| RPD | Relative Percent Difference |

All soil results are reported in wet weight.

## Appendix

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

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 & 2745.

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

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

Mobile Geochemistry, Inc.
2470 Impala Drive, Carlsbad, CA 92010
& Field Office - Signal Hill, CA
W handpmg.com E info@handpmg.com
P 760.804.9678 F 760.804.9159

# VAPOR / AIR Chain of Custody

DATE: 11/11/21
Page 1 of 1

## Lab Client and Project Information

| | |
|---|---|
| Lab Client/Consultant: SCS Engineers | Project Name / #: 01221156.00 |
| Lab Client Project Manager: Luke Montague | Project Location: 821 Main Street |
| Lab Client Address: 8799 Balboa Ave #290 | Report E-Mail(s): Chula Vista, CA |
| Lab Client City, State, Zip: San Diego CA 92123 | lmontague@scsengineers.com |
| Phone Number: 858 571 5500 | aoneal@scsengineers.com |

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

### Turnaround Time
- [ ] Standard (7 days for preliminary report, 10 days for final report) results by 11/17/21 SM 11.12
- [x] Rush (specify): ~~3-day TAT~~

### Sampler Information
Sampler(s):
Signature: Mike Hesford
Date: 11-11-21

## Sample Receipt (Lab Use Only)

| | |
|---|---|
| Date Rec'd: 11/11 | Control #: 210762.02 |
| H&P Project # SCS111221-11 | |
| Lab Work Order # E111044 | |
| Sample Intact: [x] Yes [ ] No [ ] See Notes Below | |
| Receipt Gauge ID: 60206 | Temp: RT |
| Outside Lab: | |
| Receipt Notes/Tracking #: | |
| Lab PM Initials: SM | |

## Additional Instructions to Laboratory:

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

| SAMPLE NAME | FIELD POINT NAME (if applicable) | DATE mm/dd/yy | TIME 24hr clock | SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV) | CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc. | CONTAINER ID (###) | Lab use only: Receipt Vac | VOCs Standard Full List [ ] 8260SV [x] TO-15 | VOCs Short List / Project List [ ] 8260SV [ ] TO-15 | Oxygenates [ ] 8260SV [ ] TO-15 | Naphthalene [ ] 8260SV [ ] TO-15 | TPHv as Gas [ ] 8260SVm [ ] TO-15m | Aromatic/Aliphatic Fractions [ ] 8260SVm [ ] TO-15m | Leak Check Compound [x] DFA [ ] IPA [ ] He | Methane by EPA 8015m | Fixed Gases by ASTM D1945 [ ] CO2 [ ] O2 [ ] N2 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SV3-3 | | 11-11-21 | 656 | SV | 450ml Summa | 778 | -0.78 | X | | | | | | X | | | | | |
| SV3-3Dup | | | 601 | | | 774 | -1.43 | X | | | | | | X | | | | | |
| SV2-2 | | | 611 | | | 4800 | -0.90 | X | | | | | | X | | | | | |
| SV1-4 | | | 626 | | | 5336 | -0.30 | X | | | | | | X | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Approved/Relinquished by: | Company: SCS | Date: 11/11/21 | Time: 1650 | Received by: | Company: H&P | Date: 11-11-21 | Time: 1650 |
| Approved/Relinquished by: | Company: | Date: | Time: | Received by: | Company: | Date: | Time: |
| Approved/Relinquished by: | Company: | Date: | Time: | Received by: | Company: | Date: | Time: |

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

H&P Mobile Geochemistry Inc.

FMS005
Revision: 3
Revised: 1/15/16
Effective: 1/25/16
Page 1 of 1

# Log Sheet: Soil Vapor Sampling with Summa

H&P Project #: SCS111121 - Tech
Date: 11-11-21
Site Address: 821 Main St Chula Vista
Page: 1 of 1
Consultant: SCS
H&P Rep(s): Mike, Hannford
Reviewed: EC
Consultant Rep(s): Allison O'Neal
Scanned: TBMS

**Equipment Info**
Inline Gauge ID#: T38
Pump ID#:

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

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

| | Sample and Summa Information | | | | | | | Probe Specs | | | | | | | Purge & Collection Information | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Point ID | Summa ID # | Sample Kit ID # | Start Time | Initial Vac (" Hg) | End / Sample Time | End Vac (" Hg) | Probe Depth (ft) | Tubing Length (ft) | Tubing OD (in.) | Sand Ht (in.) | Sand Dia (in.) | Dry Bent. Ht (in.) | Dry Bent. Dia (in.) | Shut In Test 60 sec (✓) | Leak Check (✓) | Purge Vol (mL) | Purge Flow Rate (mL/min) | Pump Time (min:sec) | Sample Flow Rate (mL/min) | ProbeVac ☒ Hg ☐ $H_2O$ |
| 1 | SV3-3 | 778 | 300 | 1553 | -29 | 1556 | 0 | 3 | 7 | 1/4 | 12 | .75 | 6 | .75 | ✓ | ✓ | 189 | <200 | - | <200 | 0 |
| 2 | SV3-3 Rep | 774 | 306 | 1558 | -28 | 1601 | 0 | 3 | 7 | 1/4 | 12 | .75 | 6 | .75 | ✓ | ✓ | 189 | <200 | - | <200 | 0 |
| 3 | SV2-2 | 4180 | 210 | 1409 | -28 | 1611 | 0 | 2 | 7 | 1/4 | 12 | .75 | 6 | .75 | ✓ | ✓ | 189 | <200 | - | <200 | 0 |
| 4 | SV1-4 | 538 | 154 | 1423 | -36 | 1626 | 0 | 4 | 7 | 1/4 | 12 | .75 | 6 | .75 | ✓ | ✓ | 189 | <200 | - | <200 | -1 |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
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| 12 | | | | | | | | | | | | | | | | | | | | | |

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

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15 July 2021

Luke Montague

SCS Engineers

8799 Balboa Avenue, Suite 290

San Diego, CA 92123

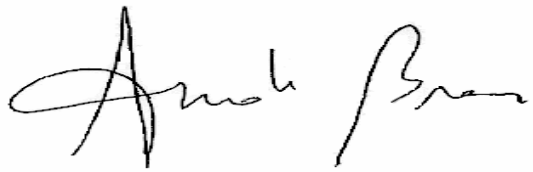
**Work Order #: 2107069**

**Project Name: 821 Main Street**

**Project ID: 1221156.00**

**Site Address: 821 Main Street Chula Vista, Ca**

Enclosed are the results of analyses for samples received by the laboratory on July 13, 2021. If you have any questions concerning this report, please feel free to contact us.



**Molky Brar**

**Laboratory Director**

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies , omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

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# CHAIN OF CUSTODY RECORD

COC# № 86337 GLOBAL ID _____ E REPORT: ☒ PDF ☐ EDF ☐ EDD ASL JOB# 2107069

| | |
|---|---|
| Company: SCS Engineers | Report To: |
| Address: 8799 Balboa Ave | Project Name: 821 Main Street |
| San Diego CA 92123 | Site Address: 821 Main Street |
| Telephone: Fax: 760.585.8548 | Chula Vista, CA |
| Special Instruction: ★ Results by Rush 2-day TAT 7/15/21 (pm) | Project ID: 01221156.00 |
| E-mail: lmontague@scsengineers.com dsneal@scsengineers.com | Project Manager: Luke Montague |
| Address: | Invoice To: |
| Address: | P.O.#: |

ANALYSIS REQUESTED

| ITEM | LAB USE ONLY Lab ID | SAMPLE DESCRIPTION Sample ID | Date | Time | Container(s) # | Container(s) Type | Matrix | Preservation | TPH (8015) | VOCs (8260B) | Title 22 metals (6010B) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2107069-01 | SB1 | 7/13/21 | 1015 | 1 | 4oz glass jar | soil | ice | X | X | X | |
| | 2107069-02 | SB2 | ↓ | 1003 | ↓ | ↓ | ↓ | ↓ | X | X | X | |
| | 2107069-03 | SB3 | ↓ | 9:51 | ↓ | ↓ | ↓ | ↓ | X | X | X | |

| | | | | | |
|---|---|---|---|---|---|
| Collected By: [signature] | Date 7/13/21 | Time 1015 | Relinquished By: | Date | Time |
| Relinquished By: [signature] | Date 7/13/21 | Time 1028 | Received For Laboratory [signature] | Date 7/13/21 | Time 1:45 |
| Received By: | Date | Time | Condition of Sample: | | |

TAT ☐ Normal ☒ Rush 2-day

White - Report, Yellow - Laboratory, Pink - Client

Job# 2107069

# ASL Sample Receipt Form

Client: SCS Engineers

Date: 7-13-2021

## Sample Information:

Temperature: 5.3 °C ☐ Blank ☒ Sample

Custody Seal: ☐ Yes ☒ No ☐ Not Available

Received Within Holding Time: ☒ Yes ☐ No

## Container:

Proper Containers and Sufficient Volume: ☒ Yes ☐ No

Soil: 3 ☒ 4oz ☐ 8oz ☐ Sleeve ☐ VOA

Water: ☐ 500AG ☐ 1AG ☐ 125PB ☐ 250PB ☐ 500PB ☐ VOA ☐ Other _____

Air: ☐ Tedlar®

Sample Containers Intact: ☒ Yes ☐ No

Trip Blank ☐ Yes ☒ No

## Chain-of-Custody (COC):

Received: ☒ Yes ☐ No

Samplers Name: ☒ Yes ☐ No

Container Labels match COC: ☒ Yes ☐ No

COC documents received complete: ☒ Yes ☐ No

Proper Preservation Noted: ☐ Yes ☐ No NA

Completed By: Janet Chin

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| | | |
|---|---|---|
| SCS Engineers | Project: 821 Main Street | Work Order No: 2107069 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 1221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 07/15/2021 16:39 |

## ANALYTICAL SUMMARY REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---|---|---|---|---|
| SB1 | 2107069-01 | Solid | 07/13/2021 10:15 | 07/13/2021 13:45 |
| SB2 | 2107069-02 | Solid | 07/13/2021 10:03 | 07/13/2021 13:45 |
| SB3 | 2107069-03 | Solid | 07/13/2021 09:51 | 07/13/2021 13:45 |

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Amolk Brar, Lab Director

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| | | |
|---|---|---|
| SCS Engineers | Project: 821 Main Street | Work Order No: 2107069 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 1221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 07/15/2021 16:39 |

## Analytical Results

### Client Sample ID: SB1

### Laboratory Sample ID: 2107069-01 (Solid)

| Analyte | Result | Notes | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Total Mercury (CVAA)** | | | | Batch ID: | BG10379 | | Prepared: 07/14/2021 11:08 | | |
| Mercury | ND | | 0.0500 | mg/kg | 1 | 7471A | 07/14/2021 16:45 | LVE | 7471A |
| **Total ICP Metals** | | | | Batch ID: | BG10378 | | Prepared: 07/14/2021 11:04 | | |
| **Antimony** | **0.699** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Arsenic** | **5.10** | | 0.250 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Barium** | **111** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| Beryllium | ND | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Cadmium** | **1.43** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Chromium** | **16.9** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Cobalt** | **4.73** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Copper** | **22.5** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Lead** | **33.6** | | 0.250 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Molybdenum** | **1.00** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Nickel** | **7.77** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| Selenium | ND | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| Silver | ND | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| Thallium | ND | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Vanadium** | **39.6** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Zinc** | **170** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Total Petroleum Hydrocarbons(TPH-g)** | | | | Batch ID: | BG10371 | | Prepared: 07/14/2021 09:00 | | |
| Gasoline Range Organics | ND | | 500 | ug/kg | 1 | 5030A | 07/14/2021 13:34 | SA | 8015B |
| *Surrogate: Bromofluorobenzene* | | | *117 %* | | *70-120* | 5030A | 07/14/2021 13:34 | SA | *8015B* |
| **Total Petroleum Hydrocarbons(TPH DROORO)** | | | | Batch ID: | BG10373 | | Prepared: 07/14/2021 09:00 | | |
| **Diesel range organics** | **74.0** | | 10.0 | mg/kg | 1 | 3550B | 07/14/2021 16:11 | SL | 8015B |
| **Oil Range Organics** | **210** | | 50.0 | mg/kg | 1 | 3550B | 07/14/2021 16:11 | SL | 8015B |
| *Surrogate: Chlorobenzene* | | | *92.1 %* | | *70-120* | 3550B | 07/14/2021 16:11 | SL | *8015B* |

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| | | |
|---|---|---|
| SCS Engineers | Project: 821 Main Street | Work Order No: 2107069 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 1221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 07/15/2021 16:39 |

## Analytical Results

### Client Sample ID: SB1

### Laboratory Sample ID: 2107069-01 (Solid)

| Analyte | Result | Notes | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | Batch ID: | BG10372 | | Prepared: 07/14/2021 09:00 | | |
| Acetone | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Benzene | ND | | 2.00 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Bromobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Bromochloromethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Bromodichloromethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Bromoform | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Bromomethane | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 2-Butanone | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| n-Butylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| sec-Butylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| tert-Butylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Carbon disulfide | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Carbon tetrachloride | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Chlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Chloroethane | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 2-Chloroethylvinyl Ether | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Chloroform | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Chloromethane | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 4-Chlorotoluene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 2-Chlorotoluene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Dibromochloromethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,2-Dibromoethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Dibromomethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,2-Dichlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,3-Dichlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,4-Dichlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Dichlorodifluoromethane | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,1-Dichloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,2-Dichloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,1-Dichloroethene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| cis-1,2-Dichloroethene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| trans-1,2-Dichloroethene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,1-Dichloropropene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,2-Dichloropropane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,3-Dichloropropane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 2,2-Dichloropropane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| cis-1,3-Dichloropropene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| trans-1,3-Dichloropropene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Ethylbenzene | ND | | 2.00 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |

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| | | |
|---|---|---|
| SCS Engineers | Project: 821 Main Street | Work Order No: 2107069 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 1221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 07/15/2021 16:39 |

## Analytical Results

### Client Sample ID: SB1

### Laboratory Sample ID: 2107069-01 (Solid)

| Analyte | Result | Notes | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | Batch ID: | BG10372 | Prepared: | 07/14/2021 09:00 | | |
| Hexachlorobutadiene | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 2-Hexanone | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Isopropylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| p-Isopropyltoluene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Methyl tert-Butyl Ether (MTBE) | ND | | 5.00 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 4-Methyl-2-pentanone (MIBK) | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Methylene chloride | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Naphthalene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| n-Propylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Styrene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,1,1,2-Tetrachloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Tetrachloroethene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Toluene | ND | | 2.00 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,2,3-Trichlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,1,1-Trichloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,1,2-Trichloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Trichloroethene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Trichlorofluoromethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,2,3-Trichloropropane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,2,4-Trimethylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| 1,3,5- Trimethylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Vinyl acetate | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| Vinyl chloride | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| m,p-Xylenes | ND | | 4.00 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| o-Xylene | ND | | 2.00 | ug/kg | 1 | 5030A | 07/14/2021 15:41 | SA | 8260B |
| *Surrogate: 4-Bromofluorobenzene* | | | *115 %* | | *70-120* | 5030A | 07/14/2021 15:41 | SA | *8260B* |
| *Surrogate: Dibromofluoromethane* | | | *74.6 %* | | *70-120* | 5030A | 07/14/2021 15:41 | SA | *8260B* |
| *Surrogate: Toluene-d8* | | | *105 %* | | *70-120* | 5030A | 07/14/2021 15:41 | SA | *8260B* |

## Analytical Results

### Client Sample ID: SB2

### Laboratory Sample ID: 2107069-02 (Solid)

| Analyte | Result | Notes | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Total Mercury (CVAA)** | | | | Batch ID: | BG10379 | Prepared: | 07/14/2021 11:08 | | |
| Mercury | ND | | 0.0500 | mg/kg | 1 | 7471A | 07/14/2021 16:45 | LVE | 7471A |

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| | | |
|---|---|---|
| SCS Engineers | Project: 821 Main Street | Work Order No: 2107069 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 1221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 07/15/2021 16:39 |

## Analytical Results

### Client Sample ID: SB2

### Laboratory Sample ID: 2107069-02 (Solid)

| Analyte | Result | Notes | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Total ICP Metals** | | | | Batch ID: | BG10378 | | Prepared: 07/14/2021 11:04 | | |
| Antimony | ND | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Arsenic** | **3.73** | | 0.250 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Barium** | **55.0** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| Beryllium | ND | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Cadmium** | **1.13** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Chromium** | **12.7** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Cobalt** | **4.61** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Copper** | **25.3** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Lead** | **7.99** | | 0.250 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Molybdenum** | **1.69** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Nickel** | **5.20** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| Selenium | ND | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| Silver | ND | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| Thallium | ND | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Vanadium** | **35.3** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Zinc** | **58.1** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Total Petroleum Hydrocarbons(TPH-g)** | | | | Batch ID: | BG10371 | | Prepared: 07/14/2021 09:00 | | |
| Gasoline Range Organics | ND | | 500 | ug/kg | 1 | 5030A | 07/14/2021 14:03 | SA | 8015B |
| *Surrogate: Bromofluorobenzene* | | | *117 %* | | *70-120* | 5030A | 07/14/2021 14:03 | SA | *8015B* |
| **Total Petroleum Hydrocarbons(TPH DROORO)** | | | | Batch ID: | BG10373 | | Prepared: 07/14/2021 09:00 | | |
| **Diesel range organics** | **74.0** | | 10.0 | mg/kg | 1 | 3550B | 07/14/2021 15:28 | SL | 8015B |
| **Oil Range Organics** | **290** | | 50.0 | mg/kg | 1 | 3550B | 07/14/2021 15:28 | SL | 8015B |
| *Surrogate: Chlorobenzene* | | | *91.6 %* | | *70-120* | 3550B | 07/14/2021 15:28 | SL | *8015B* |

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Amolk Brar, Lab Director

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| | | |
|---|---|---|
| SCS Engineers | Project: 821 Main Street | Work Order No: 2107069 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 1221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 07/15/2021 16:39 |

## Analytical Results

### Client Sample ID: SB2

### Laboratory Sample ID: 2107069-02 (Solid)

| Analyte | Result | Notes | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | Batch ID: | BG10372 | Prepared: | 07/14/2021 09:00 | | |
| Acetone | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Benzene | ND | | 2.00 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Bromobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Bromochloromethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Bromodichloromethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Bromoform | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Bromomethane | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 2-Butanone | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| n-Butylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| sec-Butylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| tert-Butylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Carbon disulfide | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Carbon tetrachloride | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Chlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Chloroethane | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 2-Chloroethylvinyl Ether | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Chloroform | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Chloromethane | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 4-Chlorotoluene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 2-Chlorotoluene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Dibromochloromethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,2-Dibromoethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Dibromomethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,2-Dichlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,3-Dichlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,4-Dichlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Dichlorodifluoromethane | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,1-Dichloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,2-Dichloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,1-Dichloroethene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| cis-1,2-Dichloroethene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| trans-1,2-Dichloroethene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,1-Dichloropropene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,2-Dichloropropane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,3-Dichloropropane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 2,2-Dichloropropane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| cis-1,3-Dichloropropene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| trans-1,3-Dichloropropene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Ethylbenzene | ND | | 2.00 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |

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|---|---|---|
| SCS Engineers | Project: 821 Main Street | Work Order No: 2107069 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 1221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 07/15/2021 16:39 |

## Analytical Results

### Client Sample ID: SB2

### Laboratory Sample ID: 2107069-02 (Solid)

| Analyte | Result | Notes | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | Batch ID: | BG10372 | Prepared: | 07/14/2021 09:00 | | |
| Hexachlorobutadiene | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 2-Hexanone | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Isopropylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| p-Isopropyltoluene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Methyl tert-Butyl Ether (MTBE) | ND | | 5.00 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 4-Methyl-2-pentanone (MIBK) | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Methylene chloride | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Naphthalene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| n-Propylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Styrene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,1,1,2-Tetrachloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Tetrachloroethene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Toluene | ND | | 2.00 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,2,3-Trichlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,1,1-Trichloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,1,2-Trichloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Trichloroethene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Trichlorofluoromethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,2,3-Trichloropropane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,2,4-Trimethylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| 1,3,5- Trimethylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Vinyl acetate | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| Vinyl chloride | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| m,p-Xylenes | ND | | 4.00 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| o-Xylene | ND | | 2.00 | ug/kg | 1 | 5030A | 07/14/2021 16:10 | SA | 8260B |
| *Surrogate: 4-Bromofluorobenzene* | | | *98.5 %* | | *70-120* | 5030A | 07/14/2021 16:10 | SA | *8260B* |
| *Surrogate: Dibromofluoromethane* | | | *100 %* | | *70-120* | 5030A | 07/14/2021 16:10 | SA | *8260B* |
| *Surrogate: Toluene-d8* | | | *108 %* | | *70-120* | 5030A | 07/14/2021 16:10 | SA | *8260B* |

## Analytical Results

### Client Sample ID: SB3

### Laboratory Sample ID: 2107069-03 (Solid)

| Analyte | Result | Notes | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Total Mercury (CVAA)** | | | | Batch ID: | BG10379 | Prepared: | 07/14/2021 11:08 | | |
| Mercury | ND | | 0.0500 | mg/kg | 1 | 7471A | 07/14/2021 16:45 | LVE | 7471A |

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| | | |
|---|---|---|
| SCS Engineers | Project: 821 Main Street | Work Order No: 2107069 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 1221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 07/15/2021 16:39 |

**Analytical Results**

**Client Sample ID: SB3**

**Laboratory Sample ID: 2107069-03 (Solid)**

| Analyte | Result | Notes | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Total ICP Metals** | | | | Batch ID: | BG10378 | | Prepared: 07/14/2021 11:04 | | |
| Antimony | ND | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Arsenic** | **3.70** | | 0.250 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Barium** | **110** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| Beryllium | ND | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Cadmium** | **0.863** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Chromium** | **5.79** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Cobalt** | **3.82** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Copper** | **5.87** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Lead** | **7.33** | | 0.250 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| Molybdenum | ND | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Nickel** | **3.13** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| Selenium | ND | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| Silver | ND | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| Thallium | ND | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Vanadium** | **26.7** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Zinc** | **33.8** | | 0.500 | mg/kg | 1 | 3050B | 07/14/2021 16:15 | LVE | SW846 6010B |
| **Total Petroleum Hydrocarbons(TPH-g)** | | | | Batch ID: | BG10371 | | Prepared: 07/14/2021 09:00 | | |
| Gasoline Range Organics | ND | | 500 | ug/kg | 1 | 5030A | 07/14/2021 14:33 | SA | 8015B |
| *Surrogate: Bromofluorobenzene* | | | *108 %* | | *70-120* | 5030A | 07/14/2021 14:33 | SA | *8015B* |
| **Total Petroleum Hydrocarbons(TPH DROORO)** | | | | Batch ID: | BG10373 | | Prepared: 07/14/2021 09:00 | | |
| Diesel range organics | ND | | 10.0 | mg/kg | 1 | 3550B | 07/14/2021 14:45 | SL | 8015B |
| Oil Range Organics | ND | | 50.0 | mg/kg | 1 | 3550B | 07/14/2021 14:45 | SL | 8015B |
| *Surrogate: Chlorobenzene* | | | *90.7 %* | | *70-120* | 3550B | 07/14/2021 14:45 | SL | *8015B* |

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| | | |
|---|---|---|
| SCS Engineers | Project: 821 Main Street | Work Order No: 2107069 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 1221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 07/15/2021 16:39 |

**Analytical Results**

**Client Sample ID: SB3**

**Laboratory Sample ID: 2107069-03 (Solid)**

| Analyte | Result | Notes | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | Batch ID: | BG10372 | Prepared: | 07/14/2021 09:00 | | |
| Acetone | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Benzene | ND | | 2.00 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Bromobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Bromochloromethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Bromodichloromethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Bromoform | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Bromomethane | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 2-Butanone | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| n-Butylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| sec-Butylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| tert-Butylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Carbon disulfide | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Carbon tetrachloride | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Chlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Chloroethane | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 2-Chloroethylvinyl Ether | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Chloroform | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Chloromethane | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 4-Chlorotoluene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 2-Chlorotoluene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,2-Dibromo-3-chloropropane | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Dibromochloromethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,2-Dibromoethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Dibromomethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,2-Dichlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,3-Dichlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,4-Dichlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Dichlorodifluoromethane | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,1-Dichloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,2-Dichloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,1-Dichloroethene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| cis-1,2-Dichloroethene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| trans-1,2-Dichloroethene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,1-Dichloropropene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,2-Dichloropropane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,3-Dichloropropane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 2,2-Dichloropropane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| cis-1,3-Dichloropropene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| trans-1,3-Dichloropropene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Ethylbenzene | ND | | 2.00 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |

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| | | |
|---|---|---|
| SCS Engineers | Project: 821 Main Street | Work Order No: 2107069 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 1221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 07/15/2021 16:39 |

**Analytical Results**

**Client Sample ID: SB3**

**Laboratory Sample ID: 2107069-03 (Solid)**

| Analyte | Result | Notes | PQL | Units | Dilution | Prep Method | Analyzed | Analyst | Method |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organic Compounds** | | | | Batch ID: | BG10372 | Prepared: | 07/14/2021 09:00 | | |
| Hexachlorobutadiene | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 2-Hexanone | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Isopropylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| p-Isopropyltoluene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Methyl tert-Butyl Ether (MTBE) | ND | | 5.00 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 4-Methyl-2-pentanone (MIBK) | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Methylene chloride | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Naphthalene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| n-Propylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Styrene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,1,1,2-Tetrachloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,1,2,2-Tetrachloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Tetrachloroethene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Toluene | ND | | 2.00 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,2,3-Trichlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,2,4-Trichlorobenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,1,1-Trichloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,1,2-Trichloroethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Trichloroethene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Trichlorofluoromethane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,2,3-Trichloropropane | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,2,4-Trimethylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| 1,3,5- Trimethylbenzene | ND | | 10.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Vinyl acetate | ND | | 50.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| Vinyl chloride | ND | | 30.0 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| m,p-Xylenes | ND | | 4.00 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| o-Xylene | ND | | 2.00 | ug/kg | 1 | 5030A | 07/14/2021 16:38 | SA | 8260B |
| *Surrogate: 4-Bromofluorobenzene* | | | *107 %* | | *70-120* | 5030A | 07/14/2021 16:38 | SA | *8260B* |
| *Surrogate: Dibromofluoromethane* | | | *103 %* | | *70-120* | 5030A | 07/14/2021 16:38 | SA | *8260B* |
| *Surrogate: Toluene-d8* | | | *108 %* | | *70-120* | 5030A | 07/14/2021 16:38 | SA | *8260B* |

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| 8799 Balboa Avenue, Suite 290 | Project Number: 1221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 07/15/2021 16:39 |

## Total Mercury (CVAA) - Quality Control Report

| Analyte | Result | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch BG10379 - 7471A - 7471A** | | | | | | | | | | |
| **Blank (BG10379-BLK1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Mercury | ND | 0.0500 | mg/kg | | | | | | | |
| **LCS (BG10379-BS1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Mercury | 0.108 | 0.0500 | mg/kg | 0.100 | | 108 | 80-120 | | | |
| **LCS Dup (BG10379-BSD1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Mercury | 0.105 | 0.0500 | mg/kg | 0.100 | | 105 | 80-120 | 2.81 | 20 | |

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## Total ICP Metals - Quality Control Report

| Analyte | Result | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch BG10378 - 3050B - SW846 6010B** | | | | | | | | | | |
| **Blank (BG10378-BLK1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Antimony | ND | 0.500 | mg/kg | | | | | | | |
| Arsenic | ND | 0.250 | " | | | | | | | |
| Barium | ND | 0.500 | " | | | | | | | |
| Beryllium | ND | 0.500 | " | | | | | | | |
| Cadmium | ND | 0.500 | " | | | | | | | |
| Chromium | ND | 0.500 | " | | | | | | | |
| Cobalt | ND | 0.500 | " | | | | | | | |
| Copper | ND | 0.500 | " | | | | | | | |
| Lead | ND | 0.250 | " | | | | | | | |
| Molybdenum | ND | 0.500 | " | | | | | | | |
| Nickel | ND | 0.500 | " | | | | | | | |
| Selenium | ND | 0.500 | " | | | | | | | |
| Silver | ND | 0.500 | " | | | | | | | |
| Thallium | ND | 0.500 | " | | | | | | | |
| Vanadium | ND | 0.500 | " | | | | | | | |
| Zinc | ND | 0.500 | " | | | | | | | |
| **LCS (BG10378-BS1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Antimony | 0.993 | 0.0100 | mg/kg | 1.00 | | 99.3 | 80-120 | | | |
| Arsenic | 0.986 | 0.00500 | " | 1.00 | | 98.6 | 80-120 | | | |
| Barium | 1.04 | 0.0100 | " | 1.00 | | 104 | 80-120 | | | |
| Beryllium | 1.07 | 0.0100 | " | 1.00 | | 107 | 80-120 | | | |
| Cadmium | 0.969 | 0.0100 | " | 1.00 | | 96.9 | 80-120 | | | |
| Chromium | 1.05 | 0.0100 | " | 1.00 | | 105 | 80-120 | | | |
| Cobalt | 1.00 | 0.0100 | " | 1.00 | | 100 | 80-120 | | | |
| Copper | 1.07 | 0.0100 | " | 1.00 | | 107 | 80-120 | | | |
| Lead | 1.00 | 0.00500 | " | 1.00 | | 100 | 80-120 | | | |
| Molybdenum | 1.02 | 0.0100 | " | 1.00 | | 102 | 80-120 | | | |
| Nickel | 1.01 | 0.0100 | " | 1.00 | | 101 | 80-120 | | | |
| Selenium | 0.952 | 0.0100 | " | 1.00 | | 95.2 | 80-120 | | | |
| Silver | 1.00 | 0.0100 | " | 1.00 | | 100 | 80-120 | | | |
| Thallium | 0.975 | 0.0100 | " | 1.00 | | 97.5 | 80-120 | | | |
| Vanadium | 1.02 | 0.0100 | " | 1.00 | | 102 | 80-120 | | | |
| Zinc | 1.05 | 0.0100 | " | 1.00 | | 105 | 80-120 | | | |

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## Total ICP Metals - Quality Control Report

| Analyte | Result | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch BG10378 - 3050B - SW846 6010B** | | | | | | | | | | |
| **LCS Dup (BG10378-BSD1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Antimony | 0.853 | 0.0100 | mg/kg | 1.00 | | 85.3 | 80-120 | 15.1 | 20 | |
| Arsenic | 0.944 | 0.00500 | " | 1.00 | | 94.4 | 80-120 | 4.32 | 20 | |
| Barium | 0.983 | 0.0100 | " | 1.00 | | 98.3 | 80-120 | 5.39 | 20 | |
| Beryllium | 1.01 | 0.0100 | " | 1.00 | | 101 | 80-120 | 5.63 | 20 | |
| Cadmium | 0.940 | 0.0100 | " | 1.00 | | 94.0 | 80-120 | 3.06 | 20 | |
| Chromium | 0.996 | 0.0100 | " | 1.00 | | 99.6 | 80-120 | 5.69 | 20 | |
| Cobalt | 0.960 | 0.0100 | " | 1.00 | | 96.0 | 80-120 | 4.26 | 20 | |
| Copper | 1.01 | 0.0100 | " | 1.00 | | 101 | 80-120 | 6.01 | 20 | |
| Lead | 0.967 | 0.00500 | " | 1.00 | | 96.7 | 80-120 | 3.40 | 20 | |
| Molybdenum | 0.960 | 0.0100 | " | 1.00 | | 96.0 | 80-120 | 5.81 | 20 | |
| Nickel | 0.964 | 0.0100 | " | 1.00 | | 96.4 | 80-120 | 4.26 | 20 | |
| Selenium | 0.919 | 0.0100 | " | 1.00 | | 91.9 | 80-120 | 3.49 | 20 | |
| Silver | 0.966 | 0.0100 | " | 1.00 | | 96.6 | 80-120 | 3.73 | 20 | |
| Thallium | 0.954 | 0.0100 | " | 1.00 | | 95.4 | 80-120 | 2.09 | 20 | |
| Vanadium | 0.961 | 0.0100 | " | 1.00 | | 96.1 | 80-120 | 5.56 | 20 | |
| Zinc | 1.02 | 0.0100 | " | 1.00 | | 102 | 80-120 | 2.58 | 20 | |

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## Total Petroleum Hydrocarbons(TPH-g) - Quality Control Report

| Analyte | Result | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch BG10371 - 5030A - 8015B** | | | | | | | | | | |
| **Blank (BG10371-BLK1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Gasoline Range Organics | ND | 500 | ug/kg | | | | | | | |
| **LCS (BG10371-BS1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Gasoline Range Organics | 490 | | ug/L | 500 | | 98.1 | 75-120 | | | |
| **LCS Dup (BG10371-BSD1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Gasoline Range Organics | 494 | | ug/L | 500 | | 98.9 | 75-120 | 0.823 | 15 | |
| **Matrix Spike (BG10371-MS1)** | | **Source: 2107069-01** | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Gasoline Range Organics | 502 | | ug/L | 500 | 0.00 | 100 | 75-120 | | | |
| **Matrix Spike Dup (BG10371-MSD1)** | | **Source: 2107069-01** | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Gasoline Range Organics | 459 | | ug/L | 500 | 0.00 | 91.7 | 75-120 | 9.06 | 15 | |

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| 8799 Balboa Avenue, Suite 290 | Project Number: 1221156.00 | **Reported:** |
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## Total Petroleum Hydrocarbons(TPH DROORO) - Quality Control Report

| Analyte | Result | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch BG10373 - 3550B - 8015B** | | | | | | | | | | |
| **Blank (BG10373-BLK1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Diesel range organics | ND | 10.0 | mg/kg | | | | | | | |
| Oil Range Organics | ND | 50.0 | " | | | | | | | |
| *Surrogate: Chlorobenzene* | *89.3* | | *mg/L* | *100* | | *89.3* | *70-120* | | | |
| **LCS (BG10373-BS1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Diesel range organics | 528 | | mg/L | 500 | | 106 | 75-120 | | | |
| *Surrogate: Chlorobenzene* | *114* | | *"* | *100* | | *114* | *70-120* | | | |
| **LCS Dup (BG10373-BSD1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Diesel range organics | 493 | | mg/L | 500 | | 98.6 | 75-120 | 6.98 | 20 | |
| *Surrogate: Chlorobenzene* | *111* | | *"* | *100* | | *111* | *70-120* | | | |
| **Matrix Spike (BG10373-MS1)** | **Source: 2107069-01** | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Diesel range organics | 529 | | mg/L | 500 | 74.0 | 91.1 | 75-120 | | | |
| *Surrogate: Chlorobenzene* | *115* | | *"* | *100* | | *115* | *70-120* | | | |
| **Matrix Spike Dup (BG10373-MSD1)** | **Source: 2107069-01** | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Diesel range organics | 502 | | mg/L | 500 | 74.0 | 85.7 | 75-120 | 5.23 | 20 | |
| *Surrogate: Chlorobenzene* | *112* | | *"* | *100* | | *112* | *70-120* | | | |

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## Volatile Organic Compounds - Quality Control Report

| Analyte | Result | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch BG10372 - 5030A - 8260B** | | | | | | | | | | |
| **Blank (BG10372-BLK1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Acetone | ND | 50.0 | ug/kg | | | | | | | |
| Benzene | ND | 2.00 | " | | | | | | | |
| Bromobenzene | ND | 10.0 | " | | | | | | | |
| Bromochloromethane | ND | 10.0 | " | | | | | | | |
| Bromodichloromethane | ND | 10.0 | " | | | | | | | |
| Bromoform | ND | 50.0 | " | | | | | | | |
| Bromomethane | ND | 30.0 | " | | | | | | | |
| 2-Butanone | ND | 50.0 | " | | | | | | | |
| n-Butylbenzene | ND | 10.0 | " | | | | | | | |
| sec-Butylbenzene | ND | 10.0 | " | | | | | | | |
| tert-Butylbenzene | ND | 10.0 | " | | | | | | | |
| Carbon disulfide | ND | 10.0 | " | | | | | | | |
| Carbon tetrachloride | ND | 10.0 | " | | | | | | | |
| Chlorobenzene | ND | 10.0 | " | | | | | | | |
| Chloroethane | ND | 30.0 | " | | | | | | | |
| 2-Chloroethylvinyl Ether | ND | 50.0 | " | | | | | | | |
| Chloroform | ND | 10.0 | " | | | | | | | |
| Chloromethane | ND | 30.0 | " | | | | | | | |
| 4-Chlorotoluene | ND | 10.0 | " | | | | | | | |
| 2-Chlorotoluene | ND | 10.0 | " | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 50.0 | " | | | | | | | |
| Dibromochloromethane | ND | 10.0 | " | | | | | | | |
| 1,2-Dibromoethane | ND | 10.0 | " | | | | | | | |
| Dibromomethane | ND | 10.0 | " | | | | | | | |
| 1,2-Dichlorobenzene | ND | 10.0 | " | | | | | | | |
| 1,3-Dichlorobenzene | ND | 10.0 | " | | | | | | | |
| 1,4-Dichlorobenzene | ND | 10.0 | " | | | | | | | |
| Dichlorodifluoromethane | ND | 30.0 | " | | | | | | | |
| 1,1-Dichloroethane | ND | 10.0 | " | | | | | | | |
| 1,2-Dichloroethane | ND | 10.0 | " | | | | | | | |
| 1,1-Dichloroethene | ND | 10.0 | " | | | | | | | |
| cis-1,2-Dichloroethene | ND | 10.0 | " | | | | | | | |
| trans-1,2-Dichloroethene | ND | 10.0 | " | | | | | | | |
| 1,1-Dichloropropene | ND | 10.0 | " | | | | | | | |
| 1,2-Dichloropropane | ND | 10.0 | " | | | | | | | |
| 1,3-Dichloropropane | ND | 10.0 | " | | | | | | | |
| 2,2-Dichloropropane | ND | 10.0 | " | | | | | | | |
| cis-1,3-Dichloropropene | ND | 10.0 | " | | | | | | | |
| trans-1,3-Dichloropropene | ND | 10.0 | " | | | | | | | |
| Ethylbenzene | ND | 2.00 | " | | | | | | | |
| Hexachlorobutadiene | ND | 30.0 | " | | | | | | | |

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## Volatile Organic Compounds - Quality Control Report

| Analyte | Result | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch BG10372 - 5030A - 8260B** | | | | | | | | | | |
| **Blank (BG10372-BLK1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| 2-Hexanone | ND | 50.0 | ug/kg | | | | | | | |
| Isopropylbenzene | ND | 10.0 | " | | | | | | | |
| p-Isopropyltoluene | ND | 10.0 | " | | | | | | | |
| Methyl tert-Butyl Ether (MTBE) | ND | 5.00 | " | | | | | | | |
| 4-Methyl-2-pentanone (MIBK) | ND | 50.0 | " | | | | | | | |
| Methylene chloride | ND | 50.0 | " | | | | | | | |
| Naphthalene | ND | 10.0 | " | | | | | | | |
| n-Propylbenzene | ND | 10.0 | " | | | | | | | |
| Styrene | ND | 10.0 | " | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 10.0 | " | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 10.0 | " | | | | | | | |
| Tetrachloroethene | ND | 10.0 | " | | | | | | | |
| Toluene | ND | 2.00 | " | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 10.0 | " | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 10.0 | " | | | | | | | |
| 1,1,1-Trichloroethane | ND | 10.0 | " | | | | | | | |
| 1,1,2-Trichloroethane | ND | 10.0 | " | | | | | | | |
| Trichloroethene | ND | 10.0 | " | | | | | | | |
| Trichlorofluoromethane | ND | 10.0 | " | | | | | | | |
| 1,2,3-Trichloropropane | ND | 10.0 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 10.0 | " | | | | | | | |
| 1,3,5- Trimethylbenzene | ND | 10.0 | " | | | | | | | |
| Vinyl acetate | ND | 50.0 | " | | | | | | | |
| Vinyl chloride | ND | 30.0 | " | | | | | | | |
| m,p-Xylenes | ND | 4.00 | " | | | | | | | |
| o-Xylene | ND | 2.00 | " | | | | | | | |
| **LCS (BG10372-BS1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Benzene | 51.2 | | ug/L | 50.0 | | 102 | 75-120 | | | |
| Chlorobenzene | 54.1 | | " | 50.0 | | 108 | 80-120 | | | |
| 1,1-Dichloroethene | 51.5 | | " | 50.0 | | 103 | 75-120 | | | |
| Methyl tert-Butyl Ether (MTBE) | 46.7 | | " | 50.0 | | 93.3 | 75-120 | | | |
| Toluene | 42.2 | | " | 50.0 | | 84.3 | 75-120 | | | |
| Trichloroethene | 47.4 | | " | 50.0 | | 94.7 | 75-120 | | | |

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## Volatile Organic Compounds - Quality Control Report

| Analyte | Result | PQL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch BG10372 - 5030A - 8260B** | | | | | | | | | | |
| **LCS Dup (BG10372-BSD1)** | | | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Benzene | 51.1 | | ug/L | 50.0 | | 102 | 75-120 | 0.254 | 20 | |
| Chlorobenzene | 53.6 | | " | 50.0 | | 107 | 80-120 | 1.02 | 20 | |
| 1,1-Dichloroethene | 52.9 | | " | 50.0 | | 106 | 75-120 | 2.62 | 15 | |
| Methyl tert-Butyl Ether (MTBE) | 46.5 | | " | 50.0 | | 93.0 | 75-120 | 0.365 | 15 | |
| Toluene | 42.4 | | " | 50.0 | | 84.8 | 75-120 | 0.615 | 15 | |
| Trichloroethene | 47.2 | | " | 50.0 | | 94.3 | 75-120 | 0.466 | 20 | |
| **Matrix Spike (BG10372-MS1)** | | **Source: 2107056-01** | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Benzene | 52.4 | | ug/L | 50.0 | 0.140 | 104 | 75-120 | | | |
| Chlorobenzene | 54.7 | | " | 50.0 | 0.00 | 109 | 75-120 | | | |
| 1,1-Dichloroethene | 55.0 | | " | 50.0 | 0.00 | 110 | 75-120 | | | |
| Methyl tert-Butyl Ether (MTBE) | 54.7 | | " | 50.0 | 0.00 | 109 | 75-120 | | | |
| Toluene | 42.8 | | " | 50.0 | 0.00 | 85.7 | 75-120 | | | |
| Trichloroethene | 48.6 | | " | 50.0 | 0.00 | 97.3 | 75-120 | | | |
| **Matrix Spike Dup (BG10372-MSD1)** | | **Source: 2107056-01** | | Prepared & Analyzed: 07/14/202 | | | | | | |
| Benzene | 53.0 | | ug/L | 50.0 | 0.140 | 106 | 75-120 | 1.20 | 15 | |
| Chlorobenzene | 55.8 | | " | 50.0 | 0.00 | 112 | 75-120 | 1.97 | 15 | |
| 1,1-Dichloroethene | 59.4 | | " | 50.0 | 0.00 | 119 | 75-120 | 7.66 | 15 | |
| Methyl tert-Butyl Ether (MTBE) | 60.2 | | " | 50.0 | 0.00 | 120 | 75-120 | 9.54 | 15 | |
| Toluene | 43.4 | | " | 50.0 | 0.00 | 86.8 | 75-120 | 1.25 | 15 | |
| Trichloroethene | 49.1 | | " | 50.0 | 0.00 | 98.1 | 75-120 | 0.860 | 15 | |

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

Amolk Brar, Lab Director

American Scientific Laboratories, LLC
*Environmental Testing Services*
*2520 N. San Fernando Road, LA CA 90065 Tel: (323) 223-9700 • Fax: (323) 223-9500*

| | | |
|---|---|---|
| SCS Engineers | Project: 821 Main Street | Work Order No: 2107069 |
| 8799 Balboa Avenue, Suite 290 | Project Number: 1221156.00 | **Reported:** |
| San Diego CA, 92123 | Project Manager: Luke Montague | 07/15/2021 16:39 |

## Notes and Definitions

| | |
|---|---|
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the practical quantitation limit (PQL) |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |