APPENDIX J

Soil Vapor Survey and Human Health Risk Screening

Assessor's Parcel Number 644-040-01
517 Shinohara Lane, Chula Vista, CA 91911

Presented to:

VWP-OP Shinohara Owner, LLC
2390 East Camelback Road, Suite 305
Phoenix, Arizona 85016

SCS ENGINEERS

01221156.01 | August 5, 2021

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

August 5, 2021
Number: 01221156.01

Mr. Steven Schwarz
WP-OP Shinohara Owner, LLC
2390 East Camelback Road, Suite 305
Phoenix, Arizona 85016

RE: **Soil Vapor Survey and Human Health Risk Screening (Assessment)**

Site: **Assessor's Parcel Number (APN) 644-040-01**
517 Shinohara Lane, Chula Vista, California 91911

Dear Mr. Schwarz

SCS Engineers (SCS) is pleased to present this report (Report) of the Assessment 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 01 that was executed on July 9, 2021, and the Assignment and Assumptions of Contracts provided by VWP-OP Shinohara Owner, LLC (Client).

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,

Alissa Barrow, PE
Project Manager
SCS ENGINEERS

Luke Montague, MESM, PG 8071
Vice President
SCS ENGINEERS

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1 BACKGROUND

SCS Engineers (SCS) understands that 517 Shinohara Lane, Chula Vista, California 91911 (Site), consists of one approximately 9.56-acre parcel of land (Figure 1). The Site is currently a vacant and undeveloped lot. The Client is proposing to purchase the Site and develop it into an industrial land use.

SCS prepared a report titled *Phase I Environmental Site Assessment* (Phase I ESA) for the Site dated June 15, 2021. This Phase I ESA provided the following conclusions and recommendations regarding a possible recognized environmental condition at the Site:

> Omar Rendering facility located at 1886 Auto Park Place (Approximately 1,500 feet to the east)
>
> In May 1996, groundwater was found to be impacted by volatile organic compounds (VOCs) at the property located adjacent to the east of the Site at the Brandywine Distribution Center at 1670 & 1690 Brandywine Avenue. Groundwater results indicated the presence of VOCs above laboratory reporting limits, primarily with trichloroethene (TCE) at 720 micrograms per liter (ug/L), and also with tetrachloroethene (PCE) at 56 ug/L, and methylene chloride (MEC) at 79 ug/L in MW-04.
>
> It was determined that the property was not the source of the pollutants and that the likely source is the former Omar Rendering facility located at 1886 Auto Park Place, a property that stored hazardous waste in evaporation ponds from 1959 to 1978, which were situated to the east and cross- to up-gradient of the Brandywine Distribution Center.
>
> The Regional Water Quality Control Board (RWQCB) closed the case administratively in 2017, noting the Brandywine Distribution Center was not the source of the contamination and that the samples collected at the property suggest a potential threat to indoor air. The RWQCB recommended more recent groundwater data.
>
> Omar Rendering facility is approximately 1,500 feet to the east and cross- to up-gradient of the Site and began remediation circa 1980, with removal of the waste ponds and their disposal at a permitted location. In 1981, the impacted soil beneath the waste ponds was placed in a lined and capped waste cell in the northwest corner of the property. Subsequently, the waste cell has been maintained and monitored by the RWQCB.
>
> In January 2021, during the most recent sampling event at the former Omar Rendering facility, the monitoring well closest to the Site, well MW-18, situated approximately 1,500 feet to the east of the Site, indicated results for TCE at 4.3 ug/L. No additional recent well data was available for wells closer to the Site to indicate whether or not the TCE plume may still be in the immediate vicinity of or beneath the Site.
>
> Based on the concentrations of VOCs at the east-adjacent property indicated in 1996 (up to 720 ug/L TCE), the cross- to up-gradient position of the source with respect to the groundwater flow direction to the Site (southwest), that the presence of TCE was reported to be present in the monitoring well closest to the Site from the source in the most recent groundwater monitoring report from January 2021, and that no additional, more recent data is available to indicate whether or not the TCE plume may still be in the immediate vicinity of or beneath the Site, there is a low to moderate likelihood that a recognized environmental

condition exists at the Site in connection with the former release from the Omar Rendering facility. Additional assessment (e.g., soil vapor sampling) would be necessary to evaluate the potential associated releases.

Based on the Phase I ESA conclusions and recommendations and conversations with the Client, SCS completed a soil vapor survey and human health risk screening at the Site to assess the potential recognized environmental condition associated with the historical Site release from the nearby Omar Rendering facility.

2 OBJECTIVES

The objectives of the scope of services were to:

- Assess the possible presence and concentrations of VOCs in the shallow soil vapor beneath the Site in connection with an unauthorized release of VOCs from the Omar Rendering facility located at 1886 Auto Park Place, which were detected in groundwater at the east adjacent facility located at 1670 & 1690 Brandywine Avenue.

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

3 ASSESSMENT

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 July 8, 2021, as required by state law, prior to drilling and sampling activities and was issued ticket number B211890779-00B. 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. The soil vapor locations were adjusted as necessary to avoid conflicts with identified subsurface features.

[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.

FIELD ACTIVITIES

Soil Vapor Sampling and Analysis

On July 13, 2021, SCS oversaw the drilling and installation of four soil vapor probes (SV1 through SV4) (Figure 2) in representative portions of the Site to assess the possible presence and concentrations of VOCs in the soil vapor in connection with the historical nearby release from the Omar Rendering facility. The Site was divided into quadrants and one soil vapor sample was collected from each quadrant.

The soil vapor sample borings were advanced with a direct-push drilling rig to a depth of approximately 5 feet below grade. 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, and 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 handed to an on-Site state-certified, mobile laboratory (H&P Mobile Geochemistry) and analyzed for VOCs in general accordance with U.S. Environmental Protection Agency (EPA) Method 8260SV. In accordance with the DTSC guidance, one replicate sample was analyzed (SV3-5 Rep). Chain-of-custody procedures were implemented for sample tracking.

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	150 to 240 feet above mean sea level
Reported Slope Direction	Slopes down to the south
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	Old alluvial flood-plain deposits (Qoa), undivided late to middle Pleistocene aged
Reported Description	Fluvial sediments deposited on canyon floors. Consists of moderately well consolidated, poorly sorted, permeable, commonly slightly dissected gravel, sand, silt, and 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	Adjacent to the east of the Site
Reported Depth to Groundwater	52.6 to 76.3 feet below grade
Reported Groundwater Flow Direction	Southwest
Source	*Soil and Groundwater Investigation, Brandywine Distribution Center, 1670 and 1690 Brandywine Avenue, Chula Vista, California*, prepared by Ogden Environmental and dated May 1996

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

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 five soil vapor samples, identified as SV1-5, SV2-5, SV3-5, SV3-5 Rep, and SV4-5, were analyzed for VOCs in general accordance with EPA Method 8260SV.

Benzene was reported to be present in three of the five soil vapor samples at concentrations of 0.021 micrograms per liter (µg/L) (SV1-5 and SV3-5) and 0.24 µg/L (SV3-5 Rep).

Trichloroethene (TCE) was reported to be present in one of the five soil vapor samples (SV4-5) at a concentration of 0.032 µg/L.

m,p-Xylenes were reported to be present in one of the five soil vapor samples (SV4-5) at a concentration of 0.10 µg/L.

All other VOCs analyzed were reported to be below the respective laboratory reporting limits. Please refer to the analytical laboratory report 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 VOCs. See the "Vapor Intrusion Risk Screening (VIRS)" section below.

5 DISCUSSION

VOCS IN SOIL VAPOR

The VOCs reported to be present in soil vapor beneath the Site included benzene, xylenes, and TCE. Benzene and xylenes are typical constituents of petroleum hydrocarbons, likely from the former Omar Rendering facility plume. TCE is a solvent used in many industrial applications and is also likely from the Omar Rendering facility plume. Based on the low concentrations at which they were detected at the Site, 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 Omar Rendering facility 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 future occupants of the proposed industrial Site building due to the upward migration of CVOCs 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 a release from the nearby Omar Rendering facility, 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 industrial building at the Site. The estimate of the theoretical indoor air concentrations were then compared against the most recently published screening levels[2,3] to assess the potential for Significant human health risk posed to industrial users of the Site due to the upward migration of CVOCs in soil vapor.

The VIRS was conducted using the DTSC default Attenuation Factor[4] (AF) of 0.0005 for future commercial/ industrial buildings. To be conservative, the AF was applied to the highest reported concentration of each constituent (benzene, m,p-xylenes, and TCE) 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], or, for chemicals not listed in HHRA Note 3 (m,p-xylenes), the USEPA Regional Screening Levels (RSLs)[6].

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 Concentration[1]	DTSC/EPA Screening Levels[2,3]
	($\mu g/m^3$)		
TCE	32	0.016	2.0
Benzene	24	0.012	0.42
m,p-Xylenes	100	0.05	440

Notes:
$\mu g/m^3$ = micrograms per cubic meter
TCE = Trichloroethene
1 Soil vapor concentration multiplied by the attenuation factor (AF) of 0.0005 for future commercial/ industrial 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
3 For constituents which do not have a DTSC-SL established (m,p-xylenes), the Environmental Protection Agency (EPA) Regional Screening Level (RSL) dated May 2021, was used.

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

2 Human Health Risk Assessment Note 3 - DTSC-Modified Screening Levels (DTSC-SLs), Table 3. Screening Levels for Ambient Air, June 2020 Update.
3 Regional Screening Level (RSL) provided by the United States Environmental Protection Agency (EPA) and updated as of May 2021.
4 Department of Toxic Substances Control (DTSC), State of California Vapor Intrusion Guidance Document - Final, dated October 2011.

(TCE, benzene, and m,p-xylenes), the maximum theoretical concentrations of VOCs in indoor air at the Site are below the commercial/ industrial screening levels (DTSC-SLs or RSLs). [5]

6 CONCLUSIONS

Based on the data obtained and reviewed as part of this Assessment, laboratory results, and current regulatory guidelines, and SCS' experience and professional judgment, SCS concludes the following:

Background

- SCS performed an Assessment consisting of the following to assess possible vapor intrusion impacts to the Site from an unauthorized release of volatile organic compounds (VOCs) from the Omar Rendering facility located at 1886 Auto Park Place:
    - Advancement and sampling of four soil vapor probes (identified as SV1-5, SV2-5, SV3-5, and SV4-5), and the collection of five soil vapor samples (including a replicate sample, SV3 Rep) from 5 feet below grade for analysis of VOCs.

VOCs in Soil Vapor

- The VOCs benzene, m,p-xylenes, and trichloroethene (TCE) were reported to be present in soil vapor beneath the Site.
    - Benzene and xylenes are typical constituents of petroleum hydrocarbons, likely from the former Omar Rendering facility plume.
    - TCE is a solvent used in many industrial applications and is also likely from the Omar Rendering facility plume.
    - Based on the low concentrations at which they were observed, 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 Omar Rendering 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

[5] 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 benzene concentration at the Site exceed commercial DTSC 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.

potential for Significant[6] vapor intrusion risk posed to the future 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 (TCE, benzene, and m,p-xylenes), 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).

7 RECOMMENDATION

Based on the data obtained during this Assessment and our conclusions, current regulatory guidelines, and our experience and professional judgment, SCS recommends no further action for the Site based related to soil vapor intrusion at this time.

8 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 Assessment was in general conformance with the requirements of the Client and the specifications and limitations presented in the Consulting 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.

[6] 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.

Although this Assessment 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 Assessment; 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 Assessment, the environmental professional, and SCS.

Table

Table 1
Soil Vapor Sample Analytical Results for VOCs and Vapor Intrusion Risk Screening
517 Shinohara Lane
Chula Vista, California

Sample	Depth	Date	Benzene	Trichloroethene (TCE)	m,p-Xylenes	Other VOCs
			(µg/L)			
SV1-5	5	7/13/2021	**0.021**	< 0.020	< 0.10	ND
SV2-5	5	7/13/2021	< 0.020	< 0.020	< 0.10	ND
SV3-5	5	7/13/2021	**0.021**	< 0.020	< 0.10	ND
SV3-5 Rep	5	7/13/2021	**0.024**	< 0.020	< 0.10	ND
SV4-5	5	7/13/2021	< 0.020	**0.032**	**0.10**	ND
Maximum Site Concentration (µg/L)			**0.024**	**0.032**	**0.10**	NA
Maximum Site Concentration (µg/m^3)			**24**	**32**	**100**	NA
Predicted Indoor Air Concentration for Future Commercial Use[1]			**0.012**	**0.016**	**0.05**	NA
DTSC-SLs[2] - Commercial			**0.42**	**2.0**	**440^**	NA

Notes :

Soil vapor samples collected by SCS Engineers on July 13, 2021 and analyzed for Volatile Organic Compounds (VOCs) in general accordance with EPA Method 8260SV.

Results provided in µg/L= micrograms per liter, converted to micrograms per cubic meter (µg/m^3) using the following conversion factor: 1 µg/L = 1,000 µg/m^3

< : less than the laboratory reporting limit.

ND: Not detected above the laboratory reporting limit.

Bold = detection above the laboratory limits.

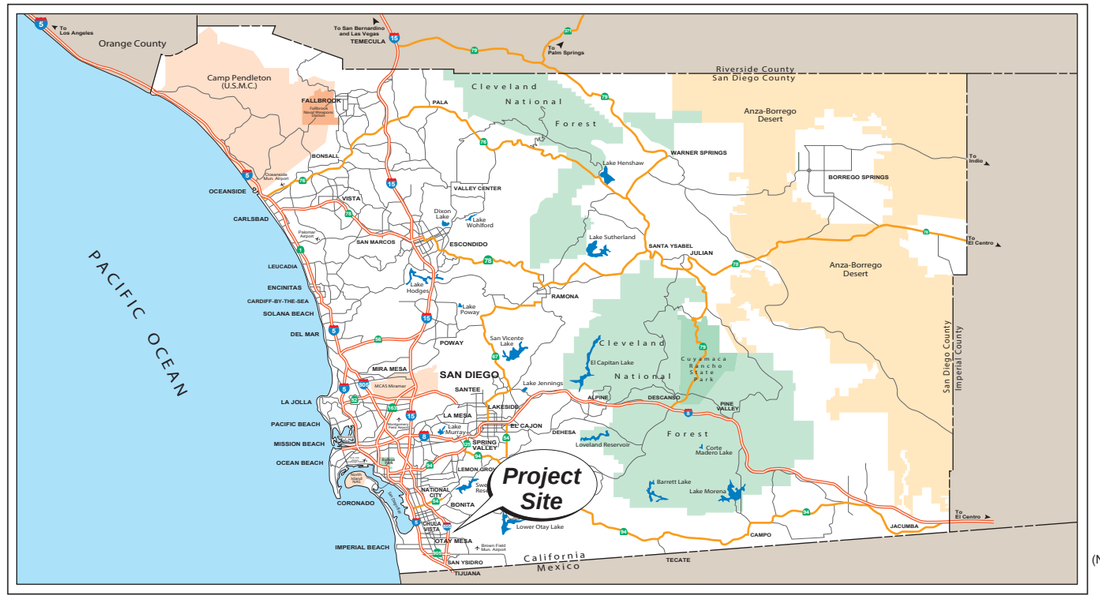
1: Maximum soil vapor concentration multiplied by the default Department of Substances Control (DTSC) attenuation factor of 0.0005 for a future commercial building, per Table 2 Attenuation Factors for Preliminary Screening Evaluations of the Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance), prepared by the DTSC and dated October 2011.

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

NA = Not applicable.

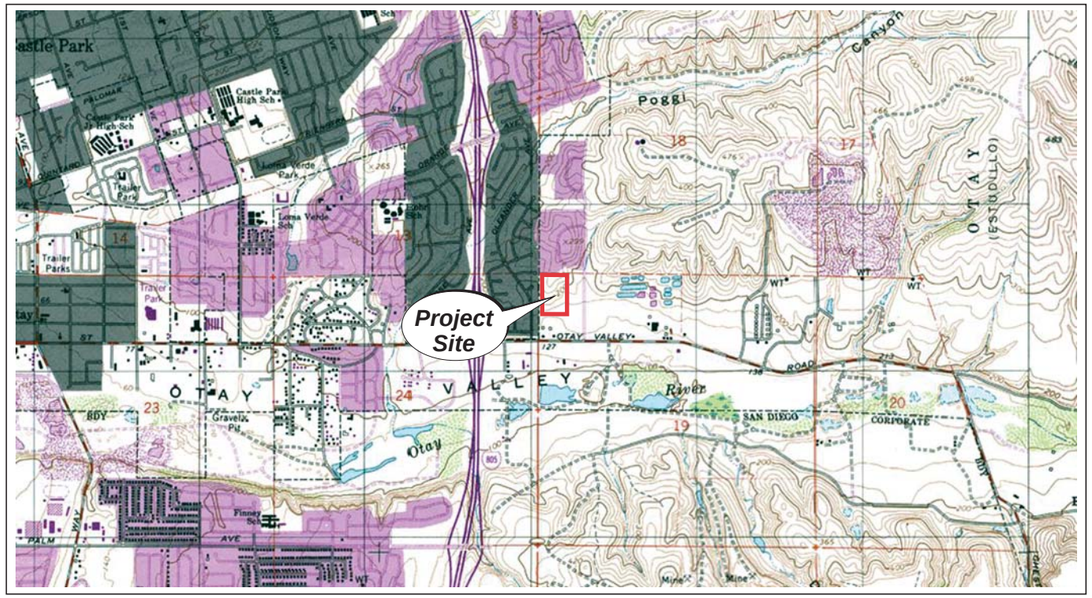
^ A DTSC-SL has not been established for this constituent. The Environmental Protection Agency (EPA) Regional Screening Level (RSL) dated May 2021, was used for this constituent.

Figures



North (Not to scale)

REGIONAL SITE LOCATION



North (Not to scale)

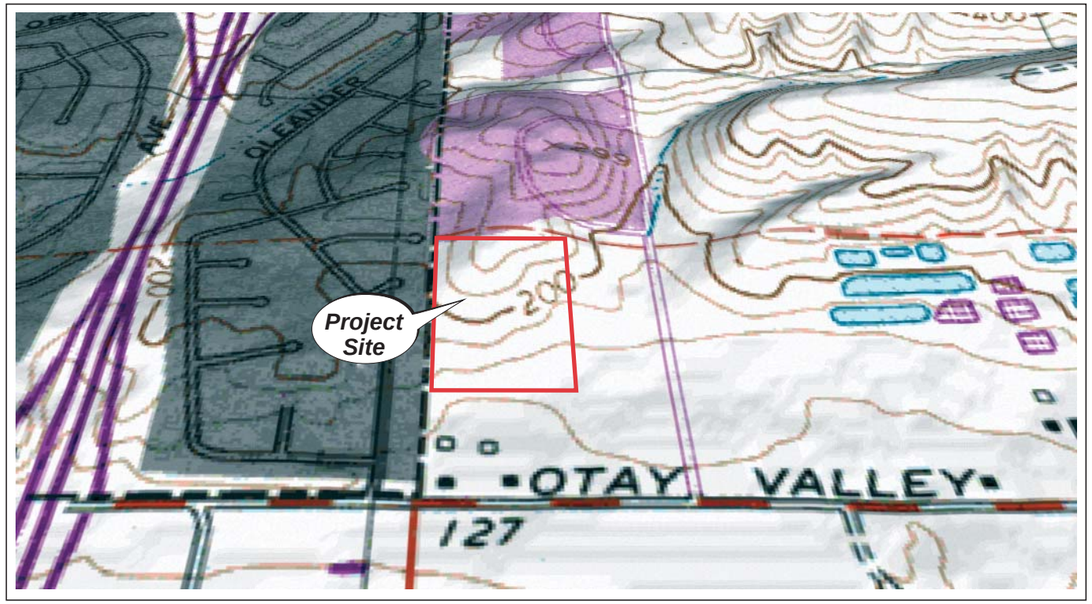
Reference:
U.S.G.S. 7.5 Minute Quadrangle Map
Imperial Beach, California

2-DIMENSIONAL SITE LOCATION

North (Not to scale)

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

SITE AERIAL PHOTOGRAPH



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 Shinohara Owner, LLC
517 Shinohara Lane
Chula Vista, California

Project No.: 01221156.01

Figure 1

Date Drafted: 7/2/21

LEGEND

Approximate Site boundary

Approximate location of soil vapor samples collected by SCS Engineers on July 13, 2021

SV4	
Depth	*5′*
Benzene	<0.020
TCE	**0.032**
m,p-Xylenes	**0.10**
Other VOCs	ND

Soil vapor samples, with depth in feet below grade, analyzed for volatile organic compounds (VOCs) by EPA Method 8260SV. Results reported in micrograms per liter (µg/L). **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. TCE = trichloroethene

0 50 100 150
Approximate Graphic Scale in Feet
1 inch = 100 feet

North

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

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

SITE MAP WITH SOIL VAPOR DATA

VWP-OP Shinohara Owner, LLC
517 Shinohara Lane
Chula Vista, California

Project No.: 01221156.01

Figure 2

Date Drafted: 7/21/21

Appendix

Laboratory Analytical Report

H&P Mobile Geochemistry Inc.

20 July 2021

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

H&P Project: SCS071321-SB1A
Client Project: 01221156.01/ Shinohara Ln

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 13-Jul-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
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760-804-9159 Fax

SCS Engineers - San Diego	Project: SCS071321-SB1A	
8799 Balboa Avenue, Suite 290	Project Number: 01221156.01/ Shinohara Ln	Reported:
San Diego, CA 92123	Project Manager: Luke Montague	20-Jul-21 08:16

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV4-5	E107035-01	Vapor	13-Jul-21	13-Jul-21
SV3-5	E107035-02	Vapor	13-Jul-21	13-Jul-21
SV3-5 REP	E107035-03	Vapor	13-Jul-21	13-Jul-21
SV1-5	E107035-04	Vapor	13-Jul-21	13-Jul-21
SV2-5	E107035-05	Vapor	13-Jul-21	13-Jul-21

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SCS Engineers - San Diego	Project: SCS071321-SB1A	
8799 Balboa Avenue, Suite 290	Project Number: 01221156.01/ Shinohara Ln	Reported:
San Diego, CA 92123	Project Manager: Luke Montague	20-Jul-21 08:16

DETECTIONS SUMMARY

Sample ID: **SV4-5** Laboratory ID: **E107035-01**

Analyte	Result	Reporting Limit	Units	Method	Notes
Trichloroethene	**0.032**	0.020	ug/l	H&P 8260SV	
m,p-Xylene	**0.10**	0.10	ug/l	H&P 8260SV	

Sample ID: **SV3-5** Laboratory ID: **E107035-02**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**0.021**	0.020	ug/l	H&P 8260SV	

Sample ID: **SV3-5 REP** Laboratory ID: **E107035-03**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**0.024**	0.020	ug/l	H&P 8260SV	

Sample ID: **SV1-5** Laboratory ID: **E107035-04**

Analyte	Result	Reporting Limit	Units	Method	Notes
Benzene	**0.021**	0.020	ug/l	H&P 8260SV	

Sample ID: **SV2-5** Laboratory ID: **E107035-05**

Analyte	Result	Reporting Limit	Units	Method	Notes
No Detections Reported					

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San Diego, CA 92123	Project Manager: Luke Montague	20-Jul-21 08:16

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV4-5 (E107035-01) Vapor Sampled: 13-Jul-21 Received: 13-Jul-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EG11307	13-Jul-21	13-Jul-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	**0.032**	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	**0.10**	0.10	"	"	"	"	"	"	

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8799 Balboa Avenue, Suite 290	Project Number: 01221156.01/ Shinohara Ln	Reported:
San Diego, CA 92123	Project Manager: Luke Montague	20-Jul-21 08:16

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV4-5 (E107035-01) Vapor Sampled: 13-Jul-21 Received: 13-Jul-21									
o-Xylene	ND	0.10	ug/l	0.01	EG11307	13-Jul-21	13-Jul-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.9 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*94.0 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*		*75-125*	"	"	"	"	

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San Diego, CA 92123	Project Manager: Luke Montague	20-Jul-21 08:16

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-5 (E107035-02) Vapor Sampled: 13-Jul-21 Received: 13-Jul-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EG11307	13-Jul-21	13-Jul-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	**0.021**	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-5 (E107035-02) Vapor Sampled: 13-Jul-21 Received: 13-Jul-21									
o-Xylene	ND	0.10	ug/l	0.01	EG11307	13-Jul-21	13-Jul-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*95.6 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*93.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.9 %*		*75-125*	"	"	"	"	

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8799 Balboa Avenue, Suite 290	Project Number: 01221156.01/ Shinohara Ln	Reported:
San Diego, CA 92123	Project Manager: Luke Montague	20-Jul-21 08:16

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

SV3-5 REP (E107035-03) Vapor Sampled: 13-Jul-21 Received: 13-Jul-21

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EG11307	13-Jul-21	13-Jul-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	**0.024**	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV3-5 REP (E107035-03) Vapor Sampled: 13-Jul-21 Received: 13-Jul-21									
o-Xylene	ND	0.10	ug/l	0.01	EG11307	13-Jul-21	13-Jul-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*96.6 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*93.6 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*75-125*	"	"	"	"	

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Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (E107035-04) Vapor Sampled: 13-Jul-21 Received: 13-Jul-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EG11307	13-Jul-21	13-Jul-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	**0.021**	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS071321-SB1A	
8799 Balboa Avenue, Suite 290	Project Number: 01221156.01/ Shinohara Ln	Reported:
San Diego, CA 92123	Project Manager: Luke Montague	20-Jul-21 08:16

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV1-5 (E107035-04) Vapor Sampled: 13-Jul-21 Received: 13-Jul-21									
o-Xylene	ND	0.10	ug/l	0.01	EG11307	13-Jul-21	13-Jul-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.9 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.8 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*93.5 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*107 %*		*75-125*	"	"	"	"	

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SCS Engineers - San Diego	Project: SCS071321-SB1A	
8799 Balboa Avenue, Suite 290	Project Number: 01221156.01/ Shinohara Ln	Reported:
San Diego, CA 92123	Project Manager: Luke Montague	20-Jul-21 08:16

Volatile Organic Compounds by H&P 8260SV

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5 (E107035-05) Vapor Sampled: 13-Jul-21 Received: 13-Jul-21									
1,1-Difluoroethane (LCC)	ND	0.10	ug/l	0.01	EG11307	13-Jul-21	13-Jul-21	H&P 8260SV	
Dichlorodifluoromethane (F12)	ND	0.10	"	"	"	"	"	"	
Chloromethane	ND	0.10	"	"	"	"	"	"	
Vinyl chloride	ND	0.010	"	"	"	"	"	"	
Bromomethane	ND	0.10	"	"	"	"	"	"	
Chloroethane	ND	0.10	"	"	"	"	"	"	
Trichlorofluoromethane (F11)	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"	"	"	"	"	"	
Methylene chloride (Dichloromethane)	ND	0.10	"	"	"	"	"	"	
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.10	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.10	"	"	"	"	"	"	
Chloroform	ND	0.020	"	"	"	"	"	"	
Bromochloromethane	ND	0.10	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.020	"	"	"	"	"	"	
1,2-Dichloroethane (EDC)	ND	0.020	"	"	"	"	"	"	
Benzene	ND	0.020	"	"	"	"	"	"	
Trichloroethene	ND	0.020	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Bromodichloromethane	ND	0.10	"	"	"	"	"	"	
Dibromomethane	ND	0.10	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.20	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.10	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.10	"	"	"	"	"	"	
Tetrachloroethene	ND	0.020	"	"	"	"	"	"	
Dibromochloromethane	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.020	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.10	"	"	"	"	"	"	

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8799 Balboa Avenue, Suite 290	Project Number: 01221156.01/ Shinohara Ln	Reported:
San Diego, CA 92123	Project Manager: Luke Montague	20-Jul-21 08:16

Volatile Organic Compounds by H&P 8260SV

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Analyte	Result	Reporting Limit	Units	Dilution Factor	Batch	Prepared	Analyzed	Method	Notes
SV2-5 (E107035-05) Vapor Sampled: 13-Jul-21 Received: 13-Jul-21									
o-Xylene	ND	0.10	ug/l	0.01	EG11307	13-Jul-21	13-Jul-21	H&P 8260SV	
Styrene	ND	0.10	"	"	"	"	"	"	
Bromoform	ND	0.10	"	"	"	"	"	"	
Isopropylbenzene (Cumene)	ND	0.10	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.10	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.10	"	"	"	"	"	"	
n-Propylbenzene	ND	0.10	"	"	"	"	"	"	
Bromobenzene	ND	0.10	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.10	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.10	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.10	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.10	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
n-Butylbenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.10	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.10	"	"	"	"	"	"	
Naphthalene	ND	0.020	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*		*75-125*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*97.5 %*		*75-125*	"	"	"	"	
Surrogate: Toluene-d8		*93.4 %*		*75-125*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.9 %*		*75-125*	"	"	"	"	

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San Diego, CA 92123	Project Manager: Luke Montague	20-Jul-21 08:16

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

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG11307 - EPA 5030										
Blank (EG11307-BLK1)				Prepared & Analyzed: 13-Jul-21						
1,1-Difluoroethane (LCC)	ND	0.10	ug/l							
Dichlorodifluoromethane (F12)	ND	0.10	"							
Chloromethane	ND	0.10	"							
Vinyl chloride	ND	0.010	"							
Bromomethane	ND	0.10	"							
Chloroethane	ND	0.10	"							
Trichlorofluoromethane (F11)	ND	0.10	"							
1,1-Dichloroethene	ND	0.10	"							
1,1,2 Trichlorotrifluoroethane (F113)	ND	0.10	"							
Methylene chloride (Dichloromethane)	ND	0.10	"							
Methyl tertiary-butyl ether (MTBE)	ND	0.10	"							
trans-1,2-Dichloroethene	ND	0.10	"							
1,1-Dichloroethane	ND	0.10	"							
2,2-Dichloropropane	ND	0.10	"							
cis-1,2-Dichloroethene	ND	0.10	"							
Chloroform	ND	0.020	"							
Bromochloromethane	ND	0.10	"							
1,1,1-Trichloroethane	ND	0.10	"							
1,1-Dichloropropene	ND	0.10	"							
Carbon tetrachloride	ND	0.020	"							
1,2-Dichloroethane (EDC)	ND	0.020	"							
Benzene	ND	0.020	"							
Trichloroethene	ND	0.020	"							
1,2-Dichloropropane	ND	0.10	"							
Bromodichloromethane	ND	0.10	"							
Dibromomethane	ND	0.10	"							
cis-1,3-Dichloropropene	ND	0.10	"							
Toluene	ND	0.20	"							
trans-1,3-Dichloropropene	ND	0.10	"							
1,1,2-Trichloroethane	ND	0.10	"							
1,2-Dibromoethane (EDB)	ND	0.10	"							
1,3-Dichloropropane	ND	0.10	"							
Tetrachloroethene	ND	0.020	"							
Dibromochloromethane	ND	0.10	"							

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SCS Engineers - San Diego	Project: SCS071321-SB1A	
8799 Balboa Avenue, Suite 290	Project Number: 01221156.01/ Shinohara Ln	Reported:
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Volatile Organic Compounds by H&P 8260SV - Quality Control

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG11307 - EPA 5030										
Blank (EG11307-BLK1)				Prepared & Analyzed: 13-Jul-21						
Chlorobenzene	ND	0.020	ug/l							
Ethylbenzene	ND	0.10	"							
1,1,1,2-Tetrachloroethane	ND	0.10	"							
m,p-Xylene	ND	0.10	"							
o-Xylene	ND	0.10	"							
Styrene	ND	0.10	"							
Bromoform	ND	0.10	"							
Isopropylbenzene (Cumene)	ND	0.10	"							
1,1,2,2-Tetrachloroethane	ND	0.10	"							
1,2,3-Trichloropropane	ND	0.10	"							
n-Propylbenzene	ND	0.10	"							
Bromobenzene	ND	0.10	"							
1,3,5-Trimethylbenzene	ND	0.10	"							
2-Chlorotoluene	ND	0.10	"							
4-Chlorotoluene	ND	0.10	"							
tert-Butylbenzene	ND	0.10	"							
1,2,4-Trimethylbenzene	ND	0.10	"							
sec-Butylbenzene	ND	0.10	"							
p-Isopropyltoluene	ND	0.10	"							
1,3-Dichlorobenzene	ND	0.10	"							
1,4-Dichlorobenzene	ND	0.10	"							
n-Butylbenzene	ND	0.10	"							
1,2-Dichlorobenzene	ND	0.10	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	0.10	"							
Hexachlorobutadiene	ND	0.10	"							
Naphthalene	ND	0.020	"							
1,2,3-Trichlorobenzene	ND	0.10	"							
Surrogate: Dibromofluoromethane	*0.559*		"	*0.500*		*112*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*0.552*		"	*0.500*		*110*	*75-125*			
Surrogate: Toluene-d8	*0.496*		"	*0.500*		*99.2*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*0.548*		"	*0.500*		*110*	*75-125*			

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San Diego, CA 92123	Project Manager: Luke Montague	20-Jul-21 08:16

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

H&P Mobile Geochemistry, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG11307 - EPA 5030										
LCS (EG11307-BS1)				Prepared & Analyzed: 13-Jul-21						
Dichlorodifluoromethane (F12)	3.2	0.50	ug/l	5.00		64.5	70-130			QL-1L
Vinyl chloride	4.5	0.050	"	5.00		89.5	70-130			
Chloroethane	4.7	0.50	"	5.00		93.7	70-130			
Trichlorofluoromethane (F11)	4.7	0.50	"	5.00		93.2	70-130			
1,1-Dichloroethene	4.9	0.50	"	5.00		98.4	70-130			
1,1,2 Trichlorotrifluoroethane (F113)	4.8	0.50	"	5.00		96.5	70-130			
Methylene chloride (Dichloromethane)	4.9	0.50	"	5.00		97.9	70-130			
trans-1,2-Dichloroethene	5.1	0.50	"	5.00		102	70-130			
1,1-Dichloroethane	4.7	0.50	"	5.00		94.2	70-130			
cis-1,2-Dichloroethene	4.9	0.50	"	5.00		97.1	70-130			
Chloroform	4.6	0.10	"	5.00		92.7	70-130			
1,1,1-Trichloroethane	4.3	0.50	"	5.00		86.8	70-130			
Carbon tetrachloride	4.6	0.10	"	5.00		92.6	70-130			
1,2-Dichloroethane (EDC)	4.9	0.10	"	5.00		98.6	70-130			
Benzene	4.4	0.10	"	5.00		88.2	70-130			
Trichloroethene	4.5	0.10	"	5.00		89.2	70-130			
Toluene	4.4	1.0	"	5.00		87.1	70-130			
1,1,2-Trichloroethane	4.8	0.50	"	5.00		95.3	70-130			
Tetrachloroethene	4.6	0.10	"	5.00		92.5	70-130			
Ethylbenzene	4.6	0.50	"	5.00		92.3	70-130			
1,1,1,2-Tetrachloroethane	4.5	0.50	"	5.00		90.6	70-130			
m,p-Xylene	9.4	0.50	"	10.0		94.4	70-130			
o-Xylene	4.5	0.50	"	5.00		90.2	70-130			
1,1,2,2-Tetrachloroethane	5.1	0.50	"	5.00		102	70-130			
Surrogate: Dibromofluoromethane	*2.57*		*"*	*2.50*		*103*	*75-125*			
Surrogate: 1,2-Dichloroethane-d4	*2.46*		*"*	*2.50*		*98.6*	*75-125*			
Surrogate: Toluene-d8	*2.43*		*"*	*2.50*		*97.1*	*75-125*			
Surrogate: 4-Bromofluorobenzene	*2.62*		*"*	*2.50*		*105*	*75-125*			

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Notes and Definitions

QL-1L	The LCS and/or LCSD recoveries fell below the established control specifications for this analyte. Any result for this compound is qualified and should be considered biased low.
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.

H&P 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: 7/13/21
Page 1 of ____

Lab Client and Project Information

Lab Client/Consultant: SCS ENGINEERS	Project Name / #: 01221156.01
Lab Client Project Manager: Luke Montague	Project Location: 5175 Hinohara Lane
Lab Client Address: 8799 Balboa Ave #290	Report E-Mail(s): LMontague@scsengineers.com
Lab Client City, State, Zip: San Diego, CA 92123	
Phone Number: 858-287-0277	

Sample Receipt (Lab Use Only)

Date Rec'd: 7/13/21 Control #: 210470.01
H&P Project # SCS071321-SBIA
Lab Work Order # E107035
Sample Intact: ☐ Yes ☐ No ☐ See Notes Below
Receipt Gauge ID: Temp:
Outside Lab:
Receipt Notes/Tracking #:
Lab PM Initials:

Reporting Requirements

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

Turnaround Time

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

Sampler Information

Sampler(s): LOC NGU
Signature:
Date: 7/13/21

Additional Instructions to Laboratory:

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

SAMPLE NAME	FIELD POINT NAME (if applicable)	DATE mm/dd/yy	TIME 24hr clock	SAMPLE TYPE Indoor Air (IA), Ambient Air (AA), Subslab (SS), Soil Vapor (SV)	CONTAINER SIZE & TYPE 400mL/1L/6L Summa, Tedlar, Tube, etc.	CONTAINER ID (###)	Lab use only: Receipt Vac	VOCs Standard Full List ☑ 8260SV ☐ TO-15	VOCs Short List / Project List ☐ 8260SV ☐ TO-15	Oxygenates ☐ 8260SV ☐ TO-15	Naphthalene ☐ 8260SV ☐ TO-15	TPHv as Gas ☐ 8260SVm ☐ TO-15m	Aromatic/Aliphatic Fractions ☐ 8260SVm ☐ TO-15m	Leak Check Compound ☑ DFA ☐ IPA ☐ He	Methane by EPA 8015m	Fixed Gases by ASTM D1945 ☐ CO2 ☐ O2 ☐ N2				
SV4-5'		7/13/21	1002	S.V	6-S	316 331		X						X							
SV3-5		7/13/21	1026	S.V	6-S	317 296		X						X							
SV3-5 DUP		7/13/21	1047	S.V	6S	316 331		X						X							
SV1-5		7/13/21	1115	S.V	6-S	317 296		X						Y							
SV2-5		7/13/21	1140	S.V	6-S	316 339		X						X							

Approved/Relinquished by: Allie O'Neal	Company:	Date:	Time:	Received by: LOC NGU	Company: H&P	Date: 7/13/21	Time:
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

Mobile Geochemistry Inc.

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

Log Sheet: Soil Vapor Sampling with Syringe

H&P Project #: SCS07132|-SB1A Date: 7/15/21
Site Address: 517 Shinohara LANE Page: 1 of 1
Consultant: SCS ENGINEERS H&P Rep(s): LGC WGO Reviewed: EC
Consultant Rep(s): ALLISON O'Neal Scanned: Mons

Equipment Info
Inline Gauge ID#:
Pump ID#: 006

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

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

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

	Sample Information				Probe Specs							Purge & Collection Information						
	Point ID	Syringe ID	Sample Volume (cc)	Sample Time	Probe Depth (ft)	Tubing Length (ft)	Tubing OD (in.)	Sand Ht (in.)	Sand Dia (in.)	Dry Bent. Ht (in.)	Dry Bent. Dia (in.)	Shut In Test 60 sec (✓)	Leak Check (✓)	Purge Vol (mL)	Purge Flow Rate (mL/min)	Pump Time (min:sec)	Sample Flow Rate (mL/min)	ProbeVac ☐ Hg ☑ H_2O
1	SV4-5	316/331	100	1002	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	3:29	200	0
2	SV3-5	317/296	100	1026	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	3:29	200	0
3	SV3-5 rep	316/331	100	1047	5	7	1/8	12	1.5	6	1.5	✓	✓	797	"	—	200	0
4	SV1-5	317/296	100	1116	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	3:29	200	0
5	SV2-5	316/331	100	1140	5	7	1/8	12	1.5	6	1.5	✓	✓	697	200	3:29	200	0
6																		
7																		
8																		
9																		
10																		
11																		
12																		

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