

LIMITED SITE INVESTIGATION

Proposed Senior Living Development - HB
4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647

June 1, 2021

Terracon Project No. 60207228



Prepared for:

Hines Interest LP
Newport Beach, California

Prepared by:

Terracon Consultants, Inc.
Tustin, California

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June 1, 2021

Hines Interest LP
4000 MacArthur Boulevard, Suite 110
Newport Beach, California 92660

Attn: Mr. Tom Lawless
P: (949) 313-2213
E: tom.lawless@hines.com

Re: Limited Site Investigation and Regulatory Agency Interaction
Proposed Senior Living Development - HB
4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647
Terracon Project No. 60217228

Dear Mr. Lawless:

Terracon Consultants, Inc. (Terracon) is pleased to submit this Limited Site Investigation (LSI) report for the above referenced site. This investigation was performed in accordance with Terracon's *Proposal for Limited Site Investigation and Regulatory Agency Interaction* dated April 20, 2021 (Terracon's Proposal Number P60217228).

We appreciate the opportunity to perform these services for Hines Interests LP. Please contact Fabio Minervini at (949) 261.0051 if you have questions regarding the information provided in the report.

Sincerely,
Terracon Consultants, Inc.

Prepared by:

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TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	Site Description	1
1.2	Site Background and Objective	1
1.3	Standard of Care	2
1.4	Additional Scope Limitations	2
1.5	Reliance	3
2.0	FIELD ACTIVITIES.....	3
2.1	Pre-Mobilization	3
2.2	Geophysical Survey	3
2.3	Soil Borings Advancement	3
2.3.1	Soil Boring Advancement and Soil Sampling	4
2.4	Vapor Probes installation	4
2.5	Soil Gas Sampling Procedure	5
2.6	Soil and Soil Gas Sampling Program	6
2.7	Investigation Derived Waste.....	6
3.0	LABORATORY ANALYTICAL METHODS	7
4.0	DATA EVALUATION	7
4.1	Soil Samples	7
4.2	Soil Gas Samples.....	8
5.0	FINDINGS AND CONCLUSIONS.....	9
6.0	RECOMMENDATIONS	10

APPENDICES

APPENDIX A	Exhibits
APPENDIX B	Drilling Permit
APPENDIX C	Boring Logs
APPENDIX D	Tables
APPENDIX E	Laboratory Data Sheets and Chain-of-Custody Forms

**LIMITED SITE INVESTIGATION REPORT
PROPOSED SENIOR LIVING DEVELOPMENT - HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA 92647
Terracon Project No. 60217228
June 1, 2021**

1.0 INTRODUCTION

1.1 Site Description

The property is located at 4952 and 4972 Warner Avenue in Huntington Beach, Orange County, California, Orange County, California (Assessor Parcel Numbers [APNs] 163-281-01 and 163-281-02, the site); and consists of two contiguous parcels totaling approximately 2.80 acres. The site is improved with two buildings: an approximately 7,285-square-foot (SF) two-story multi-tenant retail building on the northeastern portion of the site and an approximately 47,488-SF three-story multi-tenant office building located on the western and southern portions of the site. Other site improvements include asphalt-paved parking lot, landscaped areas, and utilities. The 4972 Warner Avenue building is occupied by The OC Spa and Wellness Center, Electric Jiu Jitsu, Little Caesars, The Colour Attic and Kim R. Goyle CPA. The 4952 Warner Avenue building was occupied by multi-tenant offices; insurance, travel agency, accounting, brokerage, attorneys, therapists, marketing, engineering, and finances. Operations on-site consist of general administration, restaurant, beauty, and recreational. A topographic map and site diagram are included as Exhibits 1 and 2 of Appendix A, respectively.

1.2 Site Background and Objective

The scope of work conducted at your request, was to assess potential environmental impacts that may be present as a result of the below-listed recognized environmental conditions (RECs) and controlled REC (CREC) identified in Terracon's *Phase I Environmental Site Assessment* (Phase I ESA) report, draft dated April 2, 2021 (Terracon Project No. 60217144).

- **On-site former service station (4972 Warner Avenue) represents a CREC** - Based on the exceedances in soil and groundwater above the applicable current screening levels and the reported regulatory closed LUST¹ status.
- **Potential for Vapor Intrusion associated with on-site former service station (4972 Warner Avenue) represents a REC** - Due to changes in the soil vapor and indoor air screening levels since closure was obtained for the former service station and based on absence of soil vapor investigation.

¹ Leaking Underground Storage Tank

- **Off-site former Lewis Cleaners (4945 Warner Avenue) represents a REC** - Based on the facility's proximity and hydrogeologic up-gradient position relative to the site, facility's duration of operations (~25 years) and operations identified to utilize PCE² as a dry-cleaning solvent.

Based on the aforementioned RECs and at the client's request, Terracon proposed conducting a limited site investigation (LSI) to evaluate subsurface conditions associated with the identified RECs and client's concerns. The LSI scope of work was conducted in accordance with Terracon's *Proposal for Limited Site Investigation*, dated April 20, 2021 (Terracon's Proposal Number P60217228).

Terracon understands that the site buildings will be demolished, and the proposed future development will include the construction of a new five-story senior living facility, which will include a 1-level subterranean parking garage extending beneath the footprint of the proposed living facility/onsite building(s).

1.3 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These LSI services were performed in accordance with the scope of work agreed with you, our client, as reflected in our proposal and were not restricted by ASTM E1903-97.

1.4 Additional Scope Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this LSI. Subsurface conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations, or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

² Tetrachloroethene

1.5 Reliance

This report has been prepared for the exclusive use of Hines Interests LP (client) and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Hines Interest LP and Terracon. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, LSI report, and Terracon's Proposal Number P60217228, dated April 20, 2021. The limitation of liability defined in the proposal is the aggregate limit of Terracon's liability to the client and all relying parties unless otherwise agreed in writing.

2.0 FIELD ACTIVITIES

Terracon's field activities were conducted on May 05, 2021, by an environmental professional under the oversight of a California-licensed Professional Geologist (P.G.) with Terracon. A site-specific health and safety plan was followed by Terracon during field activities for all phases of this investigation.

2.1 Pre-Mobilization

Prior to drilling activities, the soil boring locations were marked and Underground Service Alert (Dig Alert Ticket No: B211190404-00B) service was requested by Terracon personnel for clearance of public underground utilities.

In addition, a Well Construction Permit (drilling permit) was obtained from the Orange County Health Care Agency (OCHCA), Environmental Health Division, to conduct drilling and sampling activities at the site. A copy of the drilling permit (Permit No. 21-05-03) is provided in Appendix B.

2.2 Geophysical Survey

To further evaluate the underground utilities at the site, a geophysical survey was performed in the vicinity of each of the boring locations where mechanical drilling was to be performed. The geophysical survey was performed by SoCal Locators before drilling commenced on May 5, 2021.

2.3 Soil Borings Advancement

Per the approved scope of work, on May 5, 2021, 11 soil borings (VP-1 through VP-10 and B-11) were advanced to a depth of approximately 15 feet below grade surface (bgs) for collection of soil samples. In addition, soil borings VP-1 through VP-10 were converted into vapor probes for collection of soil gas samples. Soil borings VP-10 and B-11 were advanced in the asphalt paved parking lot of the 4972 Warner Avenue parcel, in the approximate area of the former underground storage tanks (USTs). The approximate boring locations are shown on Exhibit 2 of Appendix A.

2.3.1 Soil Boring Advancement and Soil Sampling

Drilling services were performed by Strongarm Environmental Field Services, Inc. (Strongarm), a State-of-California C-57 licensed driller, using a truck-mounted direct-push technology (DPT) drill rig, under the supervision of a Terracon environmental professional and the oversight of a California-licensed P.G. Soil samples were collected using single-use acetate sleeves. Drilling and sampling equipment were cleaned using an Alconox® wash and potable water rinse prior to the beginning of the project and before collecting each soil sample.

Soil samples were collected continuously and observed to document soil lithology, color, moisture content, and sensory evidence of impairment. The soil samples were field-screened using a photoionization detector (PID – miniRAE) to indicate the presence of total organic vapors (TOV). Staining, odors, or PID readings above background level of 1.0 part per million by volume (ppmv) were not recorded in the soil samples collected from the borings. The PID readings were recorded on the soil boring logs provided in Appendix C.

The general lithology of materials encountered during sample collection consisted of silt, silty clay, and clay from surface to a depth ranging between approximately 9 and 12 feet bgs, underlain by poorly graded sand to the maximum depth explored of 15 feet bgs. Detailed lithologic descriptions are presented on the soil boring logs provided in Appendix C.

2.4 Vapor Probes installation

In accordance with the approved scope of work, to evaluate the soil gas conditions beneath the site, on May 5, 2021, Strongarm completed 10 shallow soil borings (VP-1 through VP-10) as vapor probes set at a depth of approximately 15 feet for the collection of soil gas samples. Vapor probe locations are shown on Exhibit 2 of Appendix A.

Terracon's vapor probe installation and soil gas sampling were conducted in general accordance of the California Environmental Protection Agency (Cal-EPA), Department of Toxic Substance Control (DTSC), and the Los Angeles Regional Water Quality Control Board (LA-RWQCB) and the San Francisco Bay RWQCB (SFB-RWQCB) guidance document *Advisory - Active Soil Gas Investigations*, dated July 2015 (the Advisory Guidelines); CAL-EPA/DTSC, July 2015), as described below:

- At the vapor probe location, a ½-inch diameter probe tip approximately 1-inch long was installed at the target depth of 15 feet bgs. The probe tip was designed to be placed approximately halfway through a 1-foot sand pack extending from ½-foot above to ½-foot below the probe tip. Therefore, approximately ½-foot of sand was added to the soil boring prior to installing the probe tip.
- The sampling line connected to the probe tip was comprised of new dedicated 0.25-inch outer-diameter Nylaflow® tubing cut to length leaving approximately one foot of tubing extending from the surface at each probe. A gas tight three-way in-line check valve was

fitted to the up-hole end of the tubing to prevent ambient air from infiltrating the probe installation through the sample line. The sample tubing was marked at the ground surface to indicate the probe location, depth, and time of installation.

- Approximately ½-foot of sand was added after the installation of the probe tip to create a 1-foot sand pack surrounding the probe tip at the bottom of the boring. Approximately 1-foot of dry granular bentonite chips were used to fill the borehole annular space around the Nylaflow® sampling line, from the top of the sand pack to approximately 3.0 feet below grade. Hydrated granular bentonite chips were added from the top of the dry granular bentonite chips to the surface. Sufficient water was added to hydrate the bentonite to ensure proper sealing, and care used in placement of the bentonite to prevent post-emplacement expansion which might compromise the probe seal.

2.5 Soil Gas Sampling Procedure

Soil gas sampling was performed a minimum of 2 hours following installation of the vapor probes to allow subsurface conditions to equilibrate and for the bentonite to properly hydrate and provide a seal in the 15-foot vapor probes. Terracon's soil gas sampling program was conducted in general accordance with the Advisory Guidelines (CAL-EPA/DTSC, July 2015), using the following procedures:

- Prior to purging or sampling of each vapor probe, a shut-in test was conducted to check for leaks in the above-ground sampling system. The test was conducted by assembling the above-ground valves, lines, and fittings downstream from the top of the probe Nylaflow® tubing and evacuating it using a purge pump to a minimum measured vacuum of approximately 100 inches of water column (inWC). The test was conducted while the sampling canister was attached with its valve in the closed position. The vacuum gauge connected to the system was calibrated to be sensitive enough to indicate a water pressure change of 0.5 inWC and was observed for at least one minute or longer. If any observable loss of vacuum was noted, the fittings would have been adjusted until the vacuum in the sample train did not noticeably dissipate. After a successful shut-in test, the sampling train was not altered.
- Each vapor probe was purged prior to sample collection. The purge volume of each probe was estimated as the summation of the volumes of the Nylaflow® tubing sample line and the sand pack around the screen portion of the probe. The sampling assembly was purged a standard three volumes by drawing the soil gas from the probe using a portable vacuum pump. The flow rate during purging and sampling was moderated to between 100 and 200 milliliters per minute (mL/min) to limit stripping of chemical compounds, to prevent ambient air from diluting the soil gas samples, and to reduce the variability of purging and sampling rates.
- A leak test was performed in conjunction with each collected soil gas sample during purging and sampling activities, to verify that ambient air was not diluting the sample or compromising it with external contaminants. The sampling train and soil gas sampling

point were tested for leaks using a shroud filled with 1,1-difluoroethane (1,1-DFA).

- Once the sampling assembly was purged, the samples were collected from the sample line using laboratory provided 1-Liter Summa™ stainless-steel canisters fitted with a particulate filter regulated at a flow rate of 150 mL/min.

Upon completion of the soil gas sampling activities, the vapor probe tubing was removed, and the boreholes closed in-place with hydrated bentonite chips and the surface was patched to match the existing condition of the floor.

2.6 Soil and Soil Gas Sampling Program

Terracon's soil and soil gas sampling program consisted of the following:

- Submitting a total of 11 depth-discrete soil samples for laboratory analysis (VP-1 through VP-10 and B-11). Soil samples were collected from the interval of most likely environmental impact based on the judgment of the environmental professional in the field and discussion with the Terracon P.G. Soil sample intervals for each boring are presented with the soil sample analytical results (Table 1 of Appendix D) and are provided on the lithologic boring logs included in Appendix C.
- Submittal of four (4) composite soil samples for laboratory analysis collected from four selected soil borings (VP-3, VP-4, VP-8, and VP-11). The composite soil samples were collected from these selected borings to be representative of the area that will be excavated when constructing the proposed subterranean parking garage.
- Collection and submittal of one (1) soil gas sample from each of the 10 vapor probes (VP-1 through VP-10, 10 soil gas samples total).

Soil samples were collected in laboratory-provided glassware, sealed, properly labeled and placed on ice in an insulated container for transportation to the laboratory. The soil gas samples were collected in laboratory-provided, labeled, dedicated 1-Liter Summa stainless steel canisters. The sample cooler and completed chain-of-custody forms were relinquished to Sunstar Laboratories, Inc. (Sunstar), Lake Forest, California, a California certified laboratory for analysis. Samples were submitted for analysis on a standard, 5 to 7 days, turnaround time (TAT).

2.7 Investigation Derived Waste

Soil cuttings and other waste generated during the investigation activities were temporarily stored in a 5-gallon plastic bucket. Due to the relatively small quantity of investigation derived waste (less than 5 gallons) and the absence of field evidence of impairment, the soil cuttings were transported offsite by the drilling contractor to be disposed at a later date under their general disposal permit.

3.0 LABORATORY ANALYTICAL METHODS

The soil and soil gas samples were analyzed by Sunstar. The 11 depth-discrete soil samples were analyzed for volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260B and for total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), and oil range organics (ORO) by USEPA Method 8015M; and the four (4) composite soil samples were analyzed for California Title 22 CAM-17 metals (CAM-17 Metals) by USEPA Method 6010B/7471. The soil gas samples were analyzed for VOCs and for the tracer gas 1,1-DFA by USEPA Method TO-15.

The laboratory analytical results for the soil and soil gas samples are summarized in Tables 1, 2, and 3 of Appendix D. The corresponding laboratory analytical report and executed chain-of-custody forms are provided in Appendix E.

4.0 DATA EVALUATION

4.1 Soil Samples

Laboratory analytical results for the soil samples collected from borings VP-1 through VP-10 and B-11 indicate that TPH and VOC concentrations were not detected above their respective laboratory reporting limits (RLs), with the exception of a TPH-ORO concentration of 22 milligrams per kilogram (mg/kg) detected in the soil sample collected from boring VP-5 at a depth of 2 to 3 feet bgs (VP-5-3).

The TPH-ORO concentration detected in soil sample VP-5-3 was compared to the environmental screening level (ESL) established by the SFB-RWQCB (SFB-RWQCB, 2019 Rev.2). Comparison of the TPH-ORO concentration detected in VP-5-3 (22 mg/kg) to the ESL indicates that the detected concentration is significantly lower than the ESL of 1,600 mg/kg. A summary of the soil sample analytical results for TPH and VOCs is presented in Table 1 of Appendix D, together with the applicable ESLs. The complete laboratory analytical report and chain of custody forms are provided in Appendix E.

CAM-17 Metals (barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc) were detected at concentrations above their respective RLs in one or more composite soil samples. However, the detected CAM-17 Metals concentrations do not exceed their respective residential and commercial ESLs, or DTSC-established regional background value of 12 mg/kg in the case of arsenic, and appear to be representative of naturally occurring background concentrations. It should be noted that the RLs for thallium are above the residential ESL of 0.78 mg/kg but below the commercial ESL of 12 mg/kg. Soil sample analytical results for CAM-17 Metals are presented in Table 2 of Appendix C.

4.2 Soil Gas Samples

Laboratory analytical results for the soil gas samples collected from vapor probes VP-1 through VP-10 indicate that various concentrations of VOCs [tetrachloroethene (PCE), trichloroethene (TCE), acetone, 1,3-butadiene carbon disulfide, isopropyl alcohol, chloroform, chloromethane, cyclohexane, heptane, hexane, 1,3-dichlorobenzene, 4-ethyltoluene, tetrahydrofuran, styrene, 1,2,4-trimethylbenzene, 2-butanone (MEK), methyl isobutyl ketone, benzene, toluene, ethylbenzene, m,p-xylene, o-xylene, and 1,1-DFA (tracer gas)] were detected above their respective laboratory method detection limits (MDLs) in the soil gas samples (Table 3 of Appendix D).

The soil gas sample analytical results were compared to the ESLs for residential and commercial land use scenarios (SFB-RWQCB, 2019 Rev.2). The soil gas sample analytical results were compared to both residential and commercial ESLs, in accordance with the planned use of the land redevelopment into mix residential and commercial/retail use. Comparison of the detected VOC concentrations to their respective ESLs reveals the following:

- PCE was detected above the laboratory MDL in seven (7) of the 10 soil gas samples. The PCE concentrations detected in the soil gas samples VP-6 through VP-11, ranging from 72 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in VP-6 to 900 $\mu\text{g}/\text{m}^3$ in VP-8, exceed the ESLs for residential and commercial land use of 15 and 67 $\mu\text{g}/\text{m}^3$, respectively. The PCE concentration detected in soil gas sample VP-2 (21 $\mu\text{g}/\text{m}^3$) is above the ESL for residential land use of 15 $\mu\text{g}/\text{m}^3$ but below the commercial ESL of 67 $\mu\text{g}/\text{m}^3$. In addition, PCE was not detected above the laboratory MDL of 19 $\mu\text{g}/\text{m}^3$ in soil gas sample VP-5; however, this reporting limit is higher than the ESL for residential land use of 15 $\mu\text{g}/\text{m}^3$.
- Benzene was detected above the laboratory MDL in six (6) of the 10 soil gas samples. The benzene concentrations detected in the soil gas samples VP-3 and VP-6 (22 and 16 $\mu\text{g}/\text{m}^3$, respectively), exceed the ESLs for residential and commercial land use of 3.2 and 14 $\mu\text{g}/\text{m}^3$, respectively. The benzene concentrations detected in soil gas samples VP-1, VP-2, VP-7 and VP-8, ranging from 3.5 $\mu\text{g}/\text{m}^3$ in VP-1 to 7.1 $\mu\text{g}/\text{m}^3$ in VP-2 and VP-7, are above the ESL for residential land use of 3.2 $\mu\text{g}/\text{m}^3$ but below the commercial ESL of 14 $\mu\text{g}/\text{m}^3$. In addition, benzene was not detected above the laboratory MDL of 4.9 $\mu\text{g}/\text{m}^3$ in soil gas sample VP-5; however, this reporting limit is higher than the ESL for residential land use of 3.2 $\mu\text{g}/\text{m}^3$.
- The chloroform concentrations detected in soil gas sample VP-6 and VP-9 (8.4 and 8.7 $\mu\text{g}/\text{m}^3$, respectively) exceed the residential ESL of 4.1 $\mu\text{g}/\text{m}^3$ but not the commercial ESL of 18 $\mu\text{g}/\text{m}^3$. Chloroform was not detected above the laboratory MDL of 9.4 $\mu\text{g}/\text{m}^3$ in soil gas sample VP-5; however, this reporting limit is higher than the ESL for residential land use of 4.1 $\mu\text{g}/\text{m}^3$.

The tracer gas 1,1-DFA was detected in soil gas samples VP-1 and VP-4, at concentrations of 3.5 and 7.3 $\mu\text{g}/\text{m}^3$, respectively. These detected 1,1-DFA concentrations are within the acceptable level according to the Advisory Guidelines; therefore, the samples collected from each vapor probe passed the QA/QC shut-in/leak tests and are considered representative of subsurface soil gas conditions. A summary of the soil gas analytical results is presented in Table 3 of Appendix D. The complete laboratory analytical report and chain of custody forms provided by Sunstar are included in Appendix E.

5.0 FINDINGS AND CONCLUSIONS

The findings of this LSI are as follows:

- Laboratory analytical results for the depth-discrete soil samples collected from borings VP-1 through VP-10 and B-11 indicate that TPH and VOC concentrations were not detected above their respective laboratory RLs, with the exception of a concentration of 22 mg/kg of TPH-ORO detected in the soil sample collected from boring VP-5 at a depth of 2 to 3 feet bgs (VP-5-3).
- Laboratory analytical results for the composite soil samples collected from borings VP-3, VP-4, VP-8, and VP-11 indicate that CAM-17 Metals were detected at concentrations above their respective RLs in one. However, the detected CAM-17 Metals concentrations do not exceed their respective residential and commercial ESLs, or DTSC-established regional background value of 12 mg/kg in the case of arsenic, and appear to be representative of naturally occurring background concentrations.
- Laboratory analytical results for the soil gas samples collected from vapor probes VP-1 through VP-10 indicate that PCE, benzene, and chloroform were detected at concentrations above their respective ESLs, as detailed below:
 - The PCE concentrations detected in the soil gas samples VP-6 through VP-11, ranging from 72 $\mu\text{g}/\text{m}^3$ to 900 $\mu\text{g}/\text{m}^3$, exceed the ESLs for residential and commercial land use of 15 and 67 $\mu\text{g}/\text{m}^3$, respectively. In addition, the PCE concentration detected in soil gas sample VP-2 (21 $\mu\text{g}/\text{m}^3$) is above the ESL for residential land use of 15 $\mu\text{g}/\text{m}^3$ but below the commercial ESL of 67 $\mu\text{g}/\text{m}^3$.
 - The benzene concentrations detected in the soil gas samples VP-3 (22 $\mu\text{g}/\text{m}^3$) and VP-6 (16 $\mu\text{g}/\text{m}^3$) exceed the ESLs for residential and commercial land use of 3.2 and 14 $\mu\text{g}/\text{m}^3$, respectively. The benzene concentrations detected in soil gas samples VP-1, VP-2, VP-7 and VP-8, ranging from 3.5 $\mu\text{g}/\text{m}^3$ to 7.1 $\mu\text{g}/\text{m}^3$, are above the ESL for residential land use of 3.2 $\mu\text{g}/\text{m}^3$ but below the commercial ESL of 14 $\mu\text{g}/\text{m}^3$.
 - The chloroform concentrations detected in soil gas sample VP-6 and VP-9, 8.4 and 8.7 $\mu\text{g}/\text{m}^3$, respectively, exceeds the residential ESL of 4.1 $\mu\text{g}/\text{m}^3$ but not the commercial ESL of 18 $\mu\text{g}/\text{m}^3$.

- Overall, the distribution of VOCs in soil gas beneath the site suggests that the PCE may be originating from an off-site source located north of the site, such as the former Lewis Cleaners, formerly located across Warner Avenue from the site (4945 Warner Avenue) and identified as a REC in Terracon's Phase I ESA. PCE was detected at its highest concentrations in the three northernmost soil gas samples, VP-8 through VP-10, located along the northern property boundary; and not detected above the laboratory RL of 0.21 $\mu\text{g}/\text{m}^3$ in VP-3 and V-4, located in the southern portion of the site.
- The distribution of benzene in soil gas beneath the site is not conclusive; however, it appears to occur at higher concentrations in the central and southern portions of the site (VP-3 and VP-6), and possibly related to the documented release that occurred at the former on-site service station (4972 Warner Avenue), which was identified as a CREC in Terracon's Phase I ESA.

6.0 RECOMMENDATIONS

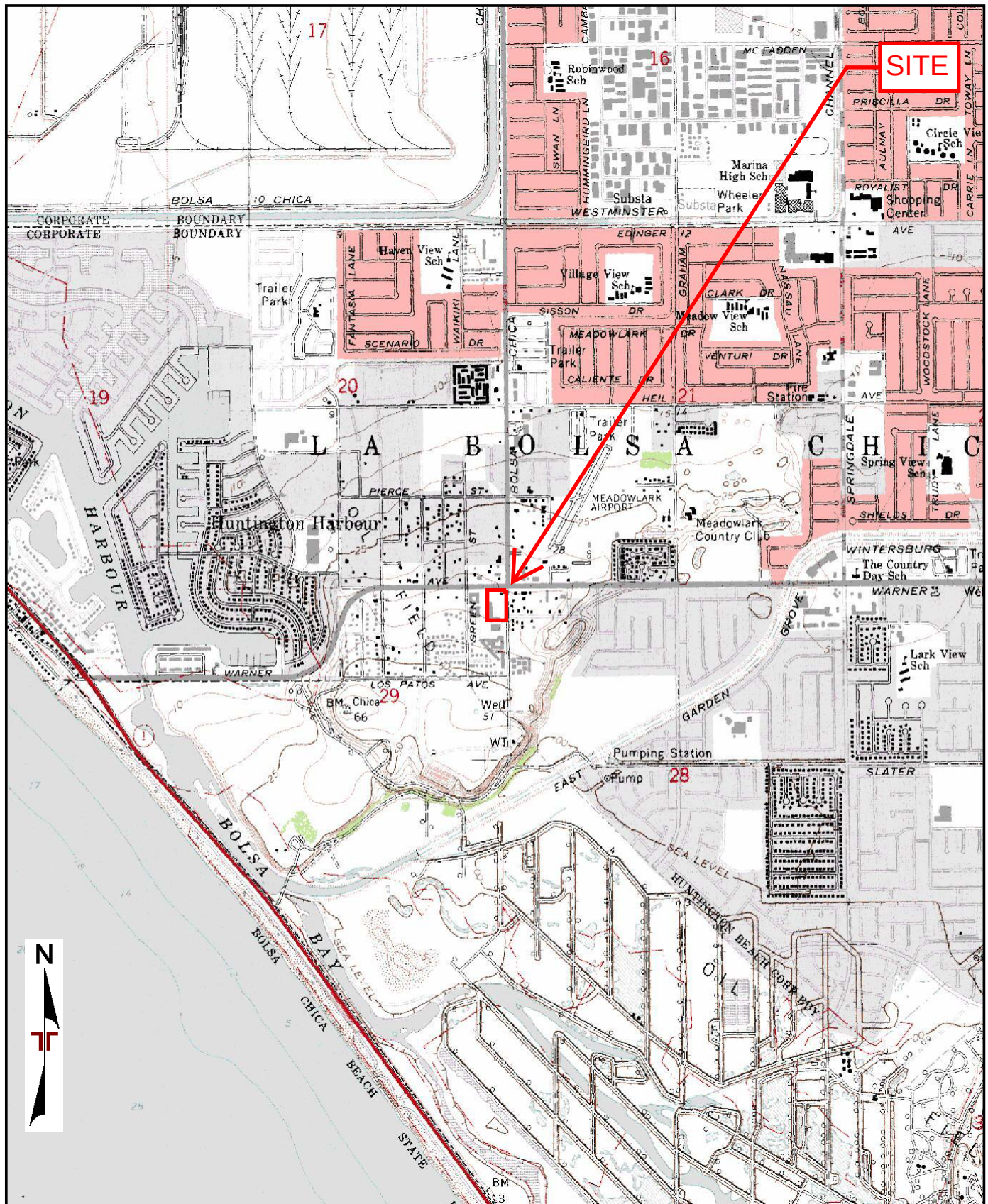
It is Terracon's understanding that the site is intended to be redeveloped for mixed residential/commercial use and will involve significant grading activities, which will involve the excavation and export of soil to a depth of approximately 12 to 13 feet bgs, including the entire footprint of the proposed living facility/onsite building(s), to accommodate a 1-level subterranean parking garage.

Based on the above findings and conclusions, including the detection of VOCs in soil gas (specifically PCE, benzene, and chloroform) at concentrations above their respective ESLs for residential and/or commercial land use scenarios, Terracon recommends the following:

- Additional investigation of on-site soil or soil gas does not appear to be warranted at this time.
- Notify the OCHCA of the planned change of land use from commercial to residential, as required in the OCHCA Case Closure letter dated March 16, 2004 (OCHCA Case No. 02UT018); provide the environmental documentation obtained through the "Due Diligence" process, and seek oversight through the voluntary cleanup program (VCP) to obtain a "no further action" (NFA) letter for the site.
- If soil or groundwater are to be disturbed in the future or planned future redevelopment, Terracon recommends that proper procedures should be followed with respect to worker health and safety. In addition, although impacted soil was identified, if encountered at a future time, such soils should be properly characterized, treated, and/or disposed in accordance with applicable local, state or federal regulations. A soil and groundwater management plan (SGWMP) will assist in ensuring that these issues are addressed.

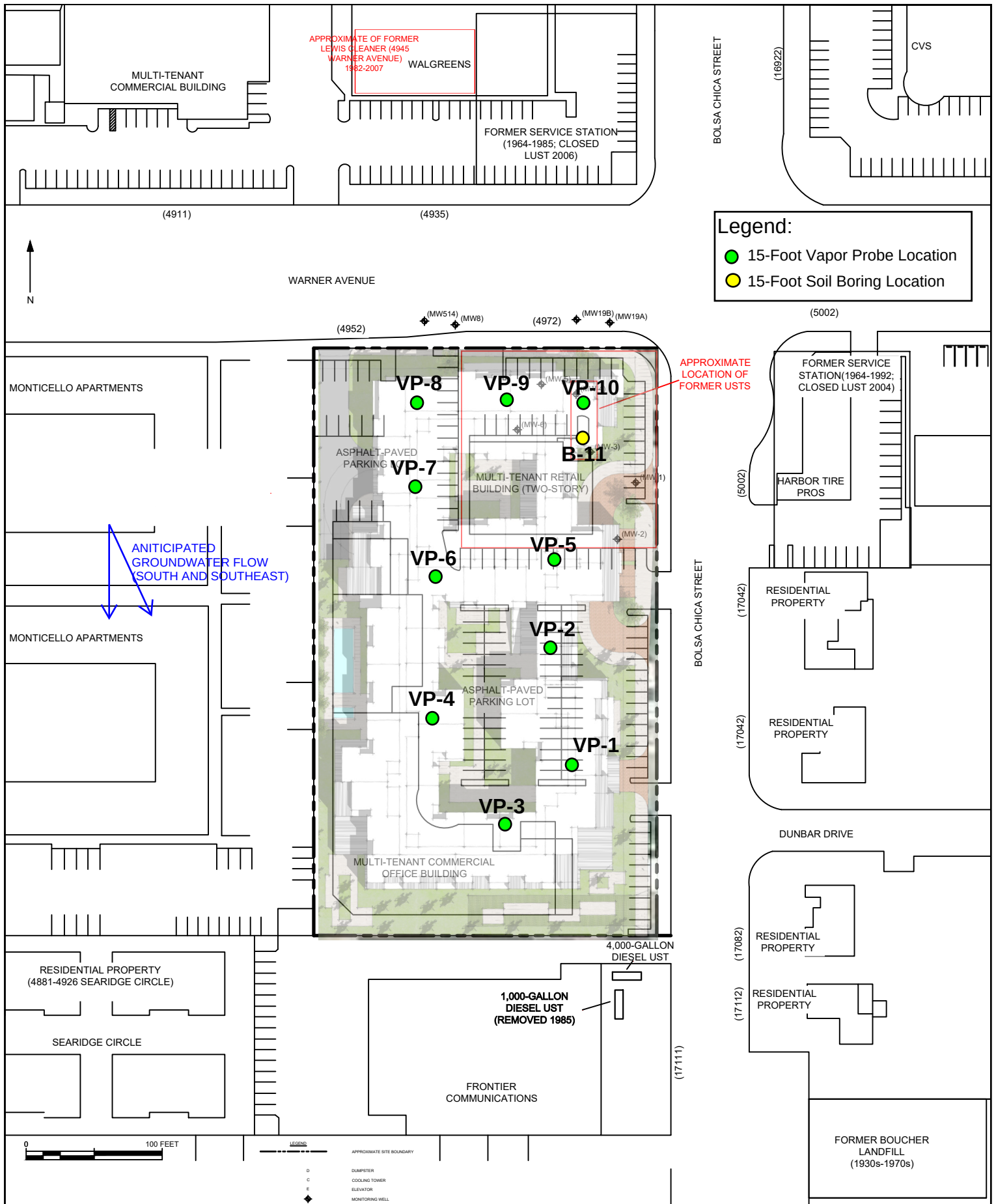
APPENDIX A

Exhibits



TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
 QUADRANGLES INCLUDE: SEAL BEACH, CA (1/1/1981).

Project Manager: FMM	Project No. 60217228	 <p>1421 Edinger Avenue, Suite C Tustin, California 92780-6287</p>	TOPOGRAPHIC MAP	EXHIBIT
Drawn by: MMH	Scale: 1"=2,000'		PROPOSED SENIOR LIVING DEVELOPMENT - HB 4952 AND 4972 WARNER AVENUE HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA	1
Checked by: JTY	File Name: N/A			
Approved by: FMM	Date: 06-01-2021			



<p>DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES</p> <p>AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS</p>	<p>Project Mgr: FMM</p>		<p>Project No. 60217228</p>		<p>Terracon</p> <p>Consulting Engineers and Scientists</p> <p>1421 EDINGER AVENUE, SUITE C TUSTIN, CA 92780 PH. 949.261.0051 FAX. 949.261.6110</p>	<p>SITE DIAGRAM</p>			<p>EXHIBIT</p> <p>2</p>
	<p>Drawn By: MMH</p>		<p>Scale: AS SHOWN</p>			<p>PROPOSED SENIOR LIVING DEVELOPMENT-HB</p> <p>4952 AND 4972 WARNER AVENUE</p> <p>HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA</p>			
	<p>Checked By: JTY</p>		<p>File No. 60217144.DWG</p>						
	<p>Approved By: FMM</p>		<p>Date: 06/01/2021</p>						

APPENDIX B

Drilling Permit

APPLICATION FOR WELL CONSTRUCTION PERMIT

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION

1241 E. DYER ROAD, SUITE 120
SANTA ANA, CA 92705-5611

(714) 433-6000
FAX: (714) 433-6481

CITY Huntington Beach		DATE 4/29/21		
WELL LOCATION (ADDRESS IF AVAILABLE) 4952 and 4972 Warner Avenue, Huntington Beach, Orange County, CA				
NAME OF WELL OWNER Hines Interest LP		TYPE OF WELL (CHECK) PROBE SURVEY ☒ PRIVATE DOMESTIC ☐ MONITORING ☐ PUBLIC DOMESTIC ☐ SOIL BORING ☐ IRRIGATION ☐ OTHER ☐ CATHODIC ☐ TOTAL NUMBER <u>11</u>		
ADDRESS 4000 MacArthur Boulevard, Suite 110				
CITY Huntington Beach	ZIP 92647			TELEPHONE (949) 313-2213
NAME OF CONSULTING FIRM Terracon Consultants, Inc				
BUSINESS ADDRESS 1421 Edinger Ave. Unit C				
CITY Tustin	ZIP 92780-6287	TELEPHONE (949) 864 2077		
NAME OF DRILLING CO. Strongarm Environmental Field Services		C-57 LICENSE NO. 766463		
CITY Fullerton	ZIP 92832	TELEPHONE (562) 404-6656		
DIAGRAM OF WELL SITE (Use additional sheets and/or attachments)		I hereby agree to comply in every respect with all requirements of the Health Care Agency and with all ordinances and laws of the County of Orange and of the State of California pertaining to well construction, reconstruction and destruction, including the requirements to maintain the integrity of all significant confining zones.		
		<i>Fabio M. Minervini</i> 05/04/21 APPLICANT'S SIGNATURE DATE		
		Fabio M. Minervini PRINT NAME		
		(949) 383-1984 PHONE NUMBER FAX NUMBER		
☒ SITE PLAN ATTACHED				
FOR ACCOUNTING USE ONLY: HSO NO. <u>411387</u> CHECK NO. <u>16901</u> DATE <u>05.04.2021</u> AMOUNT <u>\$382.00</u> INTL. <u>BN</u> CK: <u>05.03.2021</u>		DISPOSITION OF PERMIT (DO NOT FILL IN): ☒ APPROVED SUBJECT TO THE FOLLOWING CONDITIONS: A. NOTIFY THIS AGENCY AT LEAST 48 HOURS ☒ PRIOR TO START. <i>Notice of any changes.</i> ☐ PRIOR TO SEALING THE ANNULAR SPACE OR FILLING OF THE CONDUCTOR CASING. B. ☐ SUBMIT TO THE AGENCY WITHIN 30 DAYS AFTER COMPLETION OF WORK, A WELL COMPLETION REPORT AND/OR DRILLING LOGS. PLEASE REFERENCE PERMIT NO. C. ☐ SECURE ALL MONITORING WELLS TO PREVENT TAMPERING. D. ☒ OTHER <i>Notify when all work is complete and include the depth to 1st water.</i> ☐ DENIED		
APPROVAL BY OTHER AGENCIES: JURISDICTION _____ REMARKS <i>Remove all SVPS completely by 05.18.2021.</i> _____ _____ _____ _____		PERMIT ISSUED BY <i>Luano Ingora</i> DATE <u>05.04.2021</u> <i>Luano Ingora</i> 7144336287 PRINT NAME PHONE NUMBER		
AUTHORIZED SIGNATURE _____ DATE _____				

WELL PERMIT NUMBER

21-05-03

Permit expires on 05.05.2022.

WHEN SIGNED BY ORANGE COUNTY HEALTH CARE AGENCY REPRESENTATIVE, THIS APPLICATION IS A PERMIT.

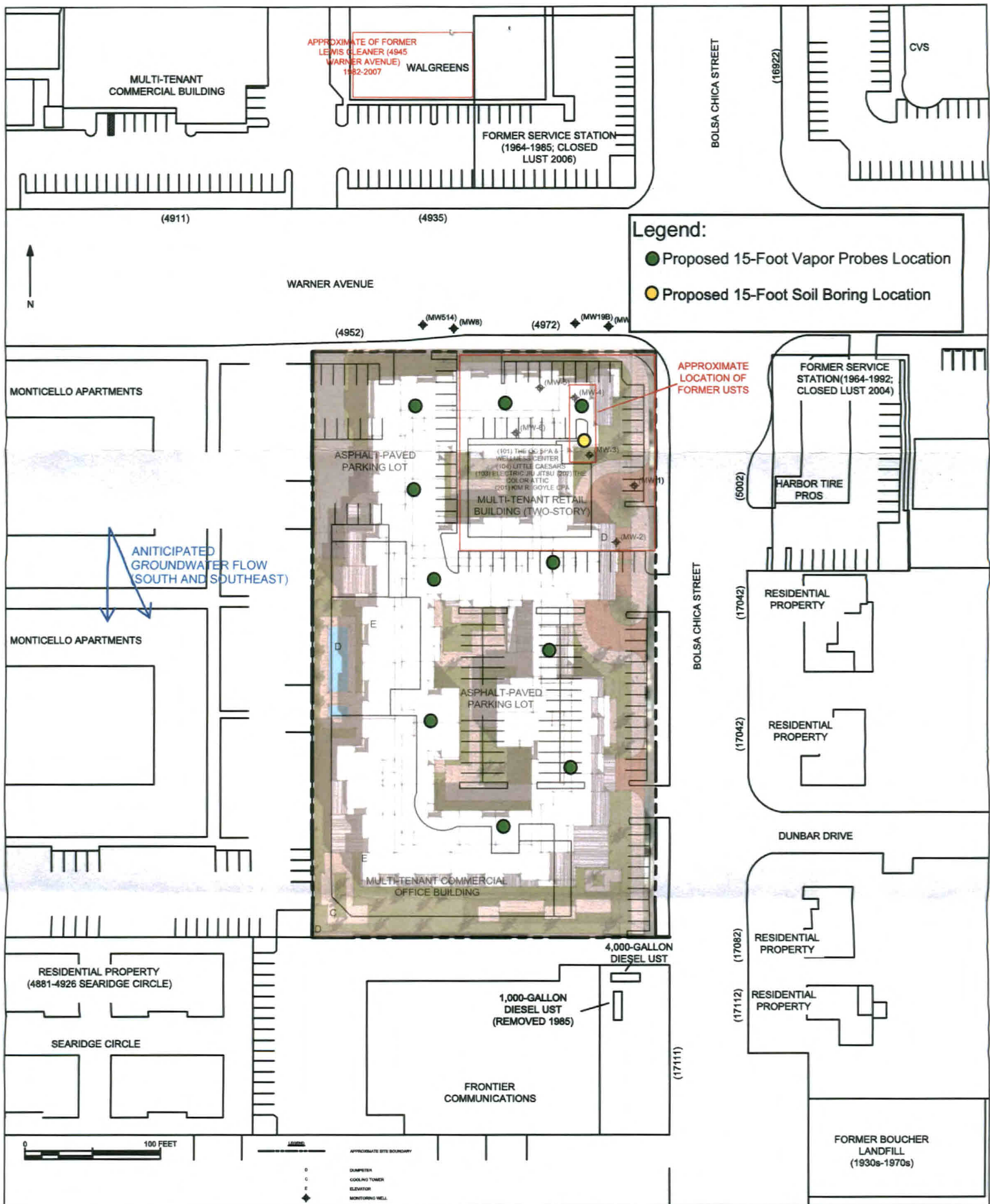


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

Project Mgr:	JSV	Project No.	60217144
Drawn By:	MMH	Scale:	AS SHOWN
Checked By:	JSV	File No.	60217144.DWG
Approved By:	IRN	Date:	03/18/2021

Terracon
Consulting Engineers and Scientists

1421 EDINGER AVENUE, SUITE C TUSTIN, CA 92780
PH. 949.281.0051 FAX. 949.281.6110

SITE DIAGRAM

PROPOSED SENIOR LIVING DEVELOPMENT-HB
4952 AND 4972 WARNER AVENUE
HUNTINGTON BEACH, ORANGE COUNTY, CALIFORNIA

EXHIBIT

2

Scope of Service

Proposed Senior Housing ■ Huntington Beach, California
05/03/21 ■ 60217228



SCOPE OF SERVICE

A total of eleven (11) soil borings will be advanced at the site to a maximum depth of approximately 15 feet below ground surface (bgs) or refusal, whichever occurs first, to evaluate soil beneath the site. 10 of the 11 borings will be converted into temporary vapor probes (VP) for collection of soil gas samples. Proposed boring/VP locations are shown on the attached Site Diagram

The drilling services will be performed by a State-of-California C-57 licensed driller using a truck-mounted direct-push technology (DPT) drilling rig, under the supervision of a Terracon environmental professional and the oversight of a California-licensed Professional Geologist (P.G.).

Following completion of soil sampling activities, the vapor probes materials will be removed, and soil borings will be closed in place using bentonite grout.

ORANGE COUNTY HEALTH CARE AGENCY
ENVIRONMENTAL HEALTH DIVISION
HEALTH SERVICE ORDER

B47304

411337

Date 05-04-21 Initials bv

Client Name Hines Interest LP

Address 4000 MacArthur Blvd, Ste 110

Huntington Beach, 92647

Paid By Jose Marin

Address 1200 Cabrillo Park Dr Apt G

Santa Ana, 92701 Ph#

Please circle the respective service code(s)

- | | | |
|----|---|------------------|
| 01 | CEQ/HSF (Acct/Bat# _____) | \$ _____ |
| 02 | CEQ Plan Check/Foods (PC# _____) | \$ _____ |
| 03 | CEQ Plan Check/Pools (PC# _____) | \$ _____ |
| 04 | Food Vehicles Cat _____ | \$ _____ |
| | Decal No(s) _____ | |
| 05 | CEQ/Court Restitution/Judgment | \$ _____ |
| | Name _____ | |
| | Case# _____ | |
| 06 | Hotels/Motels (Acct/Bat# _____) | \$ _____ |
| 07 | Massage Parlor (Acct/Bat# _____) | \$ _____ |
| 08 | Noise | \$ _____ |
| 09 | Liquid Waste Hauler | \$ _____ |
| 10 | Farm Labor Camp Registration | \$ _____ |
| 11 | Aboveground Petroleum Storage Act | \$ _____ |
| 12 | Hazardous Waste (Acct/Bat# _____) | \$ _____ |
| 13 | Hazardous Waste Fines | \$ _____ |
| 14 | Hazardous Waste Restitution/Judgment | \$ _____ |
| | Name _____ | |
| | Case# _____ | |
| 15 | Hazardous Waste Clean-up | \$ _____ |
| 16 | Medical Waste/Body Art | \$ _____ |
| 17 | UST/HSF (Acct/Bat# _____) | \$ _____ |
| 18 | UST Plan Check (PC# _____) | \$ _____ |
| 19 | UST State Surcharge | \$ _____ |
| 20 | UST Restitution/Judgment | \$ _____ |
| | Name _____ | |
| | Case# _____ | |
| 21 | Wells (Const ☒ Recon _____ Destr _____) | \$ <u>382.00</u> |
| | Water _____ Cath _____ Init. Monit. _____) | |
| | Add. Monit. _____ #Wells _____ | |
| | Driller _____ | |
| | Consultant _____ | |
| 22 | Backflow/Cross Connection | \$ _____ |
| | Client(s) _____ | |
| 23 | Small Water Systems | \$ _____ |
| 24 | CUPA - Base Fee | \$ _____ |
| 25 | CUPA - CalArp | \$ _____ |
| 26 | FOG- OC Sanitation District | \$ _____ |
| 27 | Tiered Permitting | \$ _____ |
| | OTHER _____ | \$ _____ |
| | OTHER _____ | \$ _____ |
| | OTHER _____ | \$ _____ |
| | OTHER _____ | \$ _____ |

PAID BY CHECK NO: 6901

dated: 5/3/21

APPENDIX C

Boring Logs

BORING LOG NO. VP-1

Page 1 of 1

PROJECT: Proposed Senior Living Development - HB

CLIENT: Hines Interest LP
4000 MacArthur Boulevard, Suite 110
Newport Beach, California 92660

SITE: 4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647

GRAPHIC LOG	LOCATION	See Exhibit A-2		DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
	DEPTH	MATERIAL DESCRIPTION						
	0.3	<u>ASPHALT</u> , 4" of Asphalt					100	<1.0
		<u>SILT (ML)</u> , w/clay, brown to reddish brown, dry, no odor, no staining					100	<1.0
							100	<1.0
							100	<1.0
	5.0	<u>SILT (ML)</u> , some clay, brown to light brown, dry, no odor, no staining		5			100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
	12.0	<u>SILT (ML)</u> , w/clay, light brown, dry, no odor, no staining					100	<1.0
							100	<1.0
							100	<1.0
	14.0	<u>POORLY GRADED SAND (SP)</u> , fine to medium grained, reddish brown, dry, no odor, no staining					100	<1.0
	15.0	Boring Terminated at 15 Feet		15			100	<1.0

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method: Direct-Push Technology (DPT)	See Appendices for description of field procedures. See Appendices for description of laboratory procedures and additional data (if any). See Appendices for explanation of symbols and abbreviations.	Notes:	
Abandonment Method: Boring backfilled with bentonite Surface capped with asphalt			
WATER LEVEL OBSERVATIONS		Boring Started: 05-05-2021	Boring Completed: 05-05-2021
		Drill Rig: Truck-mounted	Driller: Strongarm
		Project No.: 60217228	Exhibit: B-1

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228.SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

BORING LOG NO. VP-2

Page 1 of 1

PROJECT: Proposed Senior Living Development - HB

CLIENT: Hines Interest LP
4000 MacArthur Boulevard, Suite 110
Newport Beach, California 92660

SITE: 4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647

GRAPHIC LOG	LOCATION See Exhibit A-2		DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
	DEPTH	MATERIAL DESCRIPTION					
<div>0.3</div> <div>5.0</div> <div>8.0</div> <div>12.0</div> <div>15.0</div>	0.3	ASPHALT , 4" of Asphalt	5			100	<1.0
		SILT (ML) , w/clay, brown to light brown, dry, no odor, no staining				100	<1.0
						100	<1.0
						100	<1.0
						100	<1.0
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		100	<1.0				

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

See Appendices for description of field procedures.

Notes:

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

Terracon

Boring Started: 05-05-2021

Boring Completed: 05-05-2021

Drill Rig: Truck-mounted

Driller: Strongarm

Project No.: 60217228

Exhibit: B-2

BORING LOG NO. VP-3

Page 1 of 1

PROJECT: Proposed Senior Living Development - HB

CLIENT: Hines Interest LP
4000 MacArthur Boulevard, Suite 110
Newport Beach, California 92660

SITE: 4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228 SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

GRAPHIC LOG	LOCATION See Exhibit A-2	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
DEPTH	MATERIAL DESCRIPTION					
0.3	ASPHALT , 4" of Asphalt				100	<1.0
	CLAY (CL) , dark brown to light brown, dry, no odor, no staining				100	<1.0
					100	<1.0
					100	<1.0
4.0	CLAY (CL) , w/silt, brown to dark brown, dry, no odor, no staining	5			100	<1.0
					100	<1.0
					100	<1.0
					100	<1.0
					100	<1.0
10.0	SILTY CLAY (CL) , light brown to brown, dry, no odor, no staining	10			100	<1.0
					100	<1.0
12.0	POORLY GRADED SAND (SP) , fine to medium grained, light brown, dry, no odor, no staining				100	<1.0
					100	<1.0
15.0	Boring Terminated at 15 Feet	15			100	<1.0

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method: Direct-Push Technology (DPT)	See Appendices for description of field procedures. See Appendices for description of laboratory procedures and additional data (if any). See Appendices for explanation of symbols and abbreviations.	Notes:	
Abandonment Method: Boring backfilled with bentonite Surface capped with asphalt			
WATER LEVEL OBSERVATIONS		Boring Started: 05-05-2021	Boring Completed: 05-05-2021
		Drill Rig: Truck-mounted	Driller: Strongarm
		Project No.: 60217228	Exhibit: B-3

BORING LOG NO. VP-4

Page 1 of 1

PROJECT: Proposed Senior Living Development - HB

CLIENT: Hines Interest LP
4000 MacArthur Boulevard, Suite 110
Newport Beach, California 92660

SITE: 4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647

GRAPHIC LOG	LOCATION	See Exhibit A-2		DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PIID (ppm)
	DEPTH	MATERIAL DESCRIPTION						
	0.3	ASPHALT , 4" of Asphalt					100	<1.0
		SILTY CLAY (CL) , dark brown to brown, dry, no odor, no staining					100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
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							100	<1.0
							100	<1.0

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method: Direct-Push Technology (DPT)	See Appendices for description of field procedures.	Notes:	
Abandonment Method: Boring backfilled with bentonite Surface capped with asphalt	See Appendices for description of laboratory procedures and additional data (if any). See Appendices for explanation of symbols and abbreviations.		
WATER LEVEL OBSERVATIONS		Boring Started: 05-05-2021	Boring Completed: 05-05-2021
		Drill Rig: Truck-mounted	Driller: Strongarm
		Project No.: 60217228	Exhibit: B-4

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228 SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

BORING LOG NO. VP-5

Page 1 of 1

PROJECT: Proposed Senior Living Development - HB

CLIENT: Hines Interest LP
4000 MacArthur Boulevard, Suite 110
Newport Beach, California 92660

SITE: 4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647

GRAPHIC LOG	LOCATION	See Exhibit A-2		DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
	DEPTH	MATERIAL DESCRIPTION						
	0.3	ASPHALT , 4" of Asphalt					100	<1.0
		SILTY CLAY (CL) , brown to dark brown, dry, no odor, no staining					100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
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							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
	8.0	CLAY (CL) , brown to dark brown, dry, no odor, no staining					100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
	15.0	Boring Terminated at 15 Feet						

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method: Direct-Push Technology (DPT)	See Appendices for description of field procedures.	Notes:	
Abandonment Method: Boring backfilled with bentonite Surface capped with asphalt	See Appendices for description of laboratory procedures and additional data (if any). See Appendices for explanation of symbols and abbreviations.		
WATER LEVEL OBSERVATIONS		Boring Started: 05-05-2021	Boring Completed: 05-05-2021
		Drill Rig: Truck-mounted	Driller: Strongarm
		Project No.: 60217228	Exhibit: B-5

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228.SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

BORING LOG NO. VP-6

Page 1 of 1

PROJECT: Proposed Senior Living Development - HB

CLIENT: Hines Interest LP
4000 MacArthur Boulevard, Suite 110
Newport Beach, California 92660

SITE: 4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228 SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

GRAPHIC LOG	LOCATION See Exhibit A-2		DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PIID (ppm)
	DEPTH	MATERIAL DESCRIPTION					
	0.3	ASPHALT , 4" of Asphalt	5			100	<1.0
		SILTY CLAY (CL) , brown to light brown, dry, no odor, no staining				100	<1.0
						100	<1.0
						100	<1.0
	4.0	CLAY (CL) , brown, dry, no odor, no staining				100	<1.0
						100	<1.0
	6.0	SILT (ML) , w/clay, light brown, dry, no odor, no staining				100	<1.0
						100	<1.0
						100	<1.0
	9.0	POORLY GRADED SAND (SP) , fine to medium grained, light brown, dry, no odor, no staining				100	<1.0
						100	<1.0
	11.0	LEAN CLAY (CL) , light brown, dry, no odor, no staining				100	<1.0
						100	<1.0
	12.0	POORLY GRADED SAND (SP) , fine to medium grained, light brown, dry, no odor, no staining				100	<1.0
						100	<1.0
	15.0	Boring Terminated at 15 Feet					

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

See Appendices for description of field procedures.

Notes:

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

Terracon

Boring Started: 05-05-2021

Boring Completed: 05-05-2021

Drill Rig: Truck-mounted

Driller: Strongarm

Project No.: 60217228

Exhibit: B-6

BORING LOG NO. VP-7

Page 1 of 1

PROJECT: Proposed Senior Living Development - HB

CLIENT: Hines Interest LP

4000 MacArthur Boulevard, Suite 110
Newport Beach, California 92660

SITE: 4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647

GRAPHIC LOG	LOCATION	See Exhibit A-2		DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
	DEPTH	MATERIAL DESCRIPTION						
	0.3	ASPHALT , 4" of Asphalt					100	<1.0
		CLAY (CL) , w/silt, some pebbles, light brown to brown, dry, no odor, no staining					100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
	7.0	SILTY CLAY (CL) , some sand, light brown to brown, dry, no odor, no staining					100	<1.0
							100	<1.0
	9.0	POORLY GRADED SAND (SP) , fine to medium grained, reddish brown, dry, no odor, no staining					100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
	15.0	Boring Terminated at 15 Feet						

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

See Appendices for description of field procedures.

Notes:

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of laboratory procedures and additional data (if any).

See Appendices for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

Terracon

Boring Started: 05-05-2021

Boring Completed: 05-05-2021

Drill Rig: Truck-mounted

Driller: Strongarm

Project No.: 60217228

Exhibit: B-7

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228.SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

BORING LOG NO. VP-8

Page 1 of 1

PROJECT: Proposed Senior Living Development - HB

CLIENT: Hines Interest LP
4000 MacArthur Boulevard, Suite 110
Newport Beach, California 92660

SITE: 4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647

GRAPHIC LOG	LOCATION	See Exhibit A-2		DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PIID (ppm)
	DEPTH	MATERIAL DESCRIPTION						
	0.3	ASPHALT , 4" of Asphalt					100	<1.0
		LEAN CLAY (CL) , some silt, brown, dry, no odor, no staining					100	<1.0
							100	<1.0
							100	<1.0
	5.0	SILTY CLAY (CL) , brown to light brown, dry, no odor, no staining		5			100	<1.0
							100	<1.0
							100	<1.0
	8.0	SILTY SAND (SM) , fine to medium grained, light brown, dry, no odor, no staining					100	<1.0
							100	<1.0
							100	<1.0
							100	<1.0
	13.0	POORLY GRADED SAND (SP) , fine to medium grained, light brown, dry, no odor, no staining					100	<1.0
							100	<1.0
	15.0	Boring Terminated at 15 Feet		15				

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

See Appendices for description of field procedures.

Notes:

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of laboratory procedures and additional data (if any).
See Appendices for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

Terracon

Boring Started: 05-05-2021

Boring Completed: 05-05-2021

Drill Rig: Truck-mounted

Driller: Strongarm

Project No.: 60217228

Exhibit: B-8

BORING LOG NO. VP-9

Page 1 of 1

PROJECT: Proposed Senior Living Development - HB

CLIENT: Hines Interest LP
4000 MacArthur Boulevard, Suite 110
Newport Beach, California 92660

SITE: 4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647

GRAPHIC LOG	LOCATION See Exhibit A-2	DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PIID (ppm)
DEPTH	MATERIAL DESCRIPTION					
0.1	ASPHALT , 1" of Asphalt					
0.4	CONCRETE , 4" of Concrete				100	<1.0
	CLAY (CL) , dark brown to reddish brown, dry, no odor, no staining				100	<1.0
					100	<1.0
					100	<1.0
		5			100	<1.0
					100	<1.0
					100	<1.0
					100	<1.0
9.0	POORLY GRADED SAND (SP) , fine to medium grained, brown to reddish brown, dry, no odor, no staining				100	<1.0
		10			100	<1.0
11.0	CLAY (CL) , light brown, dry, no odor, no staining				100	<1.0
					100	<1.0
13.0	POORLY GRADED SAND (SP) , fine to medium grained, brown to reddish brown, dry, no odor, no staining				100	<1.0
					100	<1.0
15.0	Boring Terminated at 15 Feet	15				

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct-Push Technology (DPT)

See Appendices for description of field procedures.

Notes:

Abandonment Method:
Boring backfilled with bentonite
Surface capped with asphalt

See Appendices for description of laboratory procedures and additional data (if any).
See Appendices for explanation of symbols and abbreviations.

WATER LEVEL OBSERVATIONS

Terracon

Boring Started: 05-05-2021

Boring Completed: 05-05-2021

Drill Rig: Truck-mounted

Driller: Strongarm

Project No.: 60217228

Exhibit: B-9

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228 SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

BORING LOG NO. VP-10

Page 1 of 1

PROJECT: Proposed Senior Living Development - HB

CLIENT: Hines Interest LP
4000 MacArthur Boulevard, Suite 110
Newport Beach, California 92660

SITE: 4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647

GRAPHIC LOG	LOCATION See Exhibit A-2		DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PIID (ppm)
	DEPTH	MATERIAL DESCRIPTION					
	0.1	ASPHALT , 1" of Asphalt	5			100	<1.0
	0.4	CONCRETE , 4" of Concrete					
		CLAY (CL) , dark brown to black, dry, no odor, no staining					
	9.0	POORLY GRADED SAND (SP) , fine to medium grained, brown to light brown, dry, no odor, no staining					
	11.0	CLAY (CL) , dark brown to black, dry, no odor, no staining					
	12.0	POORLY GRADED SAND (SP) , fine to medium grained, brown to light brown, dry, no odor, no staining					
	15.0	Boring Terminated at 15 Feet					

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method: Direct-Push Technology (DPT)	See Appendices for description of field procedures. See Appendices for description of laboratory procedures and additional data (if any). See Appendices for explanation of symbols and abbreviations.	Notes:	
Abandonment Method: Boring backfilled with bentonite Surface capped with asphalt			
WATER LEVEL OBSERVATIONS		Boring Started: 05-05-2021	Boring Completed: 05-05-2021
		Drill Rig: Truck-mounted	Driller: Strongarm
		Project No.: 60217228	Exhibit: B-10

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228 SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

BORING LOG NO. B-11

Page 1 of 1

PROJECT: Proposed Senior Living Development - HB

CLIENT: Hines Interest LP
4000 MacArthur Boulevard, Suite 110
Newport Beach, California 92660

SITE: 4952 and 4972 Warner Avenue
Huntington Beach, Orange County, California 92647

GRAPHIC LOG	LOCATION See Exhibit A-2		DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PIID (ppm)
	DEPTH	MATERIAL DESCRIPTION					
	0.1	ASPHALT , 1" of Asphalt	5			100	<1.0
	0.4	CONCRETE , 4" of Concrete					
		SILTY CLAY (CL) , dark brown, dry, no odor, no staining					
	5.0	CLAY (CL) , w/cobbles, dark brown, dry, no odor, no staining					
	9.0	CLAY WITH SILT (CL) , dark brown, dry, no odor, no staining					
	11.0	POORLY GRADED SAND (SP) , fine to medium grained, brown to light brown, dry, no odor, no staining					
	12.0	CLAY (CL) , w/cobbles, dark brown, dry, no odor, no staining					
	13.0	POORLY GRADED SAND (SP) , fine to medium grained, brown to light brown, dry, no odor, no staining					
	14.0	CLAY (CL) , dark brown, dry, no odor, no staining					
	15.0	Boring Terminated at 15 Feet	15			100	<1.0

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method: Direct-Push Technology (DPT)	See Appendices for description of field procedures. See Appendices for description of laboratory procedures and additional data (if any). See Appendices for explanation of symbols and abbreviations.	Notes:	
Abandonment Method: Boring backfilled with bentonite Surface capped with asphalt			
WATER LEVEL OBSERVATIONS		Boring Started: 05-05-2021	Boring Completed: 05-05-2021
		Drill Rig: Truck-mounted	Driller: Strongarm
		Project No.: 60217228	Exhibit: B-11

THIS BORING LOG IS NOT VALID IF SEPARATED FROM ORIGINAL REPORT. ENVIRONMENTAL SMART LOG 60217228.SOILBORINGS.GPJ TERRACON_DATATEMPLATE.GDT 5/21/21

APPENDIX D

Tables

TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS - TPH & VOCs Proposed Senior Living Development - HB 4952 and 4972 Warner Avenue Huntington Beach, Orange County, California 92647 Terracon Project No. 60217228						
Sample I.D.	Sample Depth (feet bgs)	Sample Date	VOCs	Total Petroleum Hydrocarbons		
			USEPA Method 8260B	TPH-GRO	TPH-DRO	TPH-ORO
				USEPA Method 8015M		
				(mg/kg)		
VP-1-11	10 to 11	05/05/21	ND	<10	<10	<10
VP-2-9	8 to 9	05/05/21	ND	<10	<10	<10
VP-3-7	6 to 7	05/05/21	ND	<10	<10	<10
VP-4-3	2 to 3	05/05/21	ND	<10	<10	<10
VP-5-3	2 to 3	05/05/21	ND	<10	<10	22
VP-6-6	5 to 6	05/05/21	ND	<10	<10	<10
VP-7-10	9 to 10	05/05/21	ND	<10	<10	<10
VP-8-2	1 to 2	05/05/21	ND	<10	<10	<10
VP-9-5	4 to 5	05/05/21	ND	<10	<10	<10
VP-10-15	14 to 15	05/05/21	ND	<10	<10	<10
VP-11-15	14 to 15	05/05/21	ND	<10	<10	<10
ESLs ⁽¹⁾			NA	100	260	1,600

NOTES:

All units are in milligrams per kilograms (mg/kg)

bgs= below ground surface

USEPA = United States Environmental Protection Agency

VOCs = Volatile Organic Compounds

TPH-GRO = total petroleum hydrocarbons in gasoline carbon range (C6-C12)

TPH-DRO = total petroleum hydrocarbons in diesel carbon range (C13-C22)

TPH-ORO = total petroleum hydrocarbons in waste oil carbon range (C23-C32)

"<" = not detected above the laboratory reporting limit specified

ND = not detected above the laboratory reporting limit

NA = Not Applicable

⁽¹⁾ ESLs = Environmental Screening Levels, established by the San Francisco Bay Regional Water Quality Control Board, 2019 Rev.2

TABLE 2 SOIL SAMPLE ANALYTICAL RESULTS - METALS Proposed Senior Living Development - HB 4952 and 4972 Warner Avenue Huntington Beach, Orange County, California 92647 Terracon Project No. 60217228																				
Sample I.D.	Sample Location	Sample Depth (feet bgs)	Sample Date	Antimony	*Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	**Mercury	Molybdenum	Nickel	Selenium	Silver	***Thallium	Vanadium	Zinc
				EPA Method 6010B																
				(mg/kg)																
COMP-1	VP-3	Composite	05/05/21	<3.0	<5.0	72	<1.0	<2.0	19.0	7.2	11	4.8	<0.10	<5.0	11	<5.0	<2.0	<5.0	27	51
COMP-2	VP-4	Composite		<3.0	<5.0	26	<1.0	<2.0	5.2	2.5	5.9	<3.0	<0.10	<5.0	4.1	<5.0	<2.0	<5.0	15	14
COMP-3	VP-8	Composite		<3.0	<5.0	31	<1.0	<2.0	8.3	4.4	5.8	<3.0	<0.10	<5.0	6.5	<5.0	<2.0	<5.0	20	22
COMP-4	VP-11	Composite		<3.0	<5.0	33	<1.0	<2.0	12	4.9	7.7	8.3	<0.10	<5.0	8.2	<5.0	<2.0	<5.0	27	590
⁽¹⁾ ESLs (Residential)				11	12*	15,000	16	78	120,000	23	3,100	80	13	390	820	390	390	0.78	390	23,000
⁽¹⁾ ESLs (Commercial)				160	12*	220,000	230	1,100	1,800,000	350	47,000	320	190	5,800	11,000	5,800	5,800	12	5,800	350,000

NOTES:

* Background Metals = The Department of Toxic Substances Control (DTSC) established a regional background arsenic concentration in soil that can be used as a screening tool for sites throughout southern California. The term "background" collectively refers to both naturally occurring and anthropogenic concentrations in shallow soil. Statistical analysis of a large data set from school sites in Los Angeles County gave an upper-bound background arsenic concentration of 12 mg/kg. The analysis for 5 counties in southern California also gave an upper-bound background arsenic concentration of 12 mg/kg.

** Mercury analyzed using EPA Method 7470/7471

*** Thallium laboratory reporting limit is above the residential ESL of 0.78 mg/kg.

⁽¹⁾ ESLs for Soil established by the San Francisco Regional Water Quality Control Board, 2019 (Rev. 2)

All units are in milligrams per kilograms (mg/kg)

bgs= below ground surface

EPA = United States Environmental Protection Agency

TABLE 3 SOIL GAS SAMPLE ANALYTICAL RESULTS - VOCs Proposed Senior Living Development - HB 4952 and 4972 Warner Avenue Huntington Beach , Orange County, California 92647 Terracon Project No. 60217228																										
Sample I.D.	Sample Date	Tetrachloroethene (PCE)	Trichloroethene (TCE)	Acetone	1,3-Butadiene	Carbon Disulfide	Isopropyl Alcohol	Chloroform	Chloromethane	Cyclohexane	Heptane	Hexane	1,3-Dichlorobenzene	4-Ethyltoluene	Tetrahydrofuran	Styrene	1,2,4-Trimethylbenzene	2-Butanone (MEK)	Methyl isobutyl ketone	Benzene	Toluene	Ethylbenzene	m,p-Xylene	o-Xylene	Other VOCs	1,1-DFA (Tracer Gas)
		USEPA Method TO-15 (µg/m3)																								
15-Foot Vapor Probes																										
VP-1	05/05/21	5.9 J	<0.21	110	10	<0.22	15	<0.15	<0.46	<0.16	<0.15	5.4	12 J	<0.25	<0.25	<0.19	<0.33	22	7.6 J	3.5	11	<0.14	8.7 J	<0.085	ND	3.5
VP-2	05/05/21	21	<0.21	130	22	3.4	16	<0.15	3.8 J	<0.16	<0.15	5.5	19 J	<0.25	<0.25	<0.19	<0.33	41	23 J	7.1	21	<0.14	11	<0.085	ND	0.0
VP-3	05/05/21	<0.21	<0.21	190	6.0	13	8.9 J	<0.15	3.2 J	<0.16	4.6	31	9.5 J	1.3 J	<0.25	4.9	<0.33	56	10 J	22	190	15	42	12	ND	0.0
VP-4	05/05/21	<0.21	<0.21	96	6.3	3.5	12 J	<0.15	<0.46	<0.16	<0.15	19	12 J	<0.25	33	<0.19	9.4	88	31 J	<0.14	74	9.4	38	12	ND	7.3
VP-5	05/05/21	<19	<8.7	<17	<8.3	<11	<22	<9.4	<7.4	<12	<21	<10	<24	<15	<15	<13	<15	<11	<50	<4.9	91 J	<10	<15	<9.3	ND	0.0
VP-6	05/05/21	72	7.7	170	88	9.1	10 J	8.4	<0.46	5.9	7.8	27	8.5 J	<0.25	40	2.0 J	<0.33	120	<0.14	16	21	5.1	10	4.2 J	ND	0.0
VP-7	05/05/21	200	7.4	170	19	3.2	26	<0.15	<0.46	<0.16	<0.15	8.0	7.8 J	<0.25	50	<0.19	<0.33	180	60	7.1	8.9	<0.14	<0.20	<0.085	ND	0.0
VP-8	05/05/21	900	<0.21	100	7.1	<0.22	10 J	<0.15	<0.46	<0.16	<0.15	13	7.4 J	<0.25	25	<0.19	<0.33	91	22 J	3.7	100	7.7	27	7.9	ND	0.0
VP-9	05/05/21	860	14	120	7.1	<0.22	9.5 J	8.7	<0.46	<0.16	<0.15	<0.43	5.7 J	<0.25	11	<0.19	<0.33	52	13 J	<0.14	<0.14	<0.14	<0.20	<0.085	ND	0.0
VP-10	05/05/21	500	<0.21	91	5.1	15	8.7 J	<0.15	<0.46	<0.16	<0.15	6.9	<0.43	<0.25	13	<0.19	<0.33	59	14 J	<0.14	3.4 J	<0.14	<0.20	<0.085	ND	0.0
Environmental Screening Levels (ESLs) ⁽¹⁾ (Tier 1 / Residential)		15	16	1,100,000	NE	NE	NE	4.1	3,100	NE	NE	NE	NE	NE	NE	31,000	NE	170,000	100,000	3.2	10,000	37	3,500	3,500	NA	NE
Environmental Screening Levels (ESLs) ⁽¹⁾ (Commercial)		67	100	4,500,000	NE	NE	NE	18	13,000	NE	NE	NE	NE	NE	NE	130,000	NE	730,000	440,000	14	44,000	160	15,000	15,000	NA	NE

NOTES:
All units are in micrograms per cubic meter (µg/m³)
1,1-DFA = 1,1-Difluoroethane
NA = not applicable
NE = not established
ND = not detected above the method detection limit
"c" = not detected above the method detection limit value specified
J = The identification of the detected analyte is accurate, the reported value is an estimated concentrations between the laboratory detection limit and reporting limit
USEPA = United States Environmental Protection Agency
VOCs = volatile organic compounds
Blue Concentration- indicates concentration above residential ESL
Red Concentration- indicates concentration above commercial ESL

⁽¹⁾ ESLs = Environmental Screening Levels, established by the San Francisco Bay Regional Water Quality Control Board, January 2019 (Rev. 2)
⁽²⁾ Indicates a non-detect concentration at a laboratory reporting limit higher than the respective residential ESL.

APPENDIX E

Laboratory Data Sheets and Chain-of-Custody Form



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

18 May 2021

Fabio Minervini
Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin, CA 92780
RE: Proposed Senior Living

Enclosed are the results of analyses for samples received by the laboratory on 05/06/21 13:47. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jeff Lee
Project Manager

Terracon - Tustin

1421 Edinger Avenue, Suite C

Tustin CA, 92780

Project: Proposed Senior Living

Project Number: 60217228

Project Manager: Fabio Minervini

Reported:

05/18/21 17:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
VP-1-11	T211549-01	Soil	05/05/21 08:50	05/06/21 13:47
VP-2-9	T211549-02	Soil	05/05/21 09:40	05/06/21 13:47
VP-3-7	T211549-03	Soil	05/05/21 10:35	05/06/21 13:47
COMP-1	T211549-04	Soil	05/05/21 10:40	05/06/21 13:47
VP-4-3	T211549-05	Soil	05/05/21 11:05	05/06/21 13:47
COMP-2	T211549-06	Soil	05/05/21 11:40	05/06/21 13:47
VP-5-3	T211549-07	Soil	05/05/21 12:00	05/06/21 13:47
VP-6-6	T211549-08	Soil	05/05/21 13:25	05/06/21 13:47
VP-7-10	T211549-09	Soil	05/05/21 14:30	05/06/21 13:47
VP-8-2	T211549-10	Soil	05/05/21 14:50	05/06/21 13:47
COMP-3	T211549-11	Soil	05/05/21 15:15	05/06/21 13:47
VP-9-5	T211549-12	Soil	05/05/21 15:30	05/06/21 13:47
VP-10-15	T211549-14	Soil	05/05/21 16:55	05/06/21 13:47
B-11-15	T211549-16	Soil	05/05/21 17:50	05/06/21 13:47
COMP-4	T211549-17	Soil	05/05/21 17:55	05/06/21 13:47

Per client's email request on 5/18/21, sample "VP-11-15" will be changed to "B-11-15". JL 5/18/21

SunStar Laboratories, Inc.

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.



Jeff Lee, Project Manager

Terracon - Tustin

1421 Edinger Avenue, Suite C

Tustin CA, 92780

Project: Proposed Senior Living

Project Number: 60217228

Project Manager: Fabio Minervini

Reported:

05/18/21 17:17

DETECTIONS SUMMARY

Sample ID: VP-1-11

Laboratory ID: T211549-01

No Results Detected

Sample ID: VP-2-9

Laboratory ID: T211549-02

No Results Detected

Sample ID: VP-3-7

Laboratory ID: T211549-03

No Results Detected

Sample ID: COMP-1

Laboratory ID: T211549-04

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	72	1.0	mg/kg	EPA 6010b	
Chromium	19	2.0	mg/kg	EPA 6010b	
Cobalt	7.2	2.0	mg/kg	EPA 6010b	
Copper	11	1.0	mg/kg	EPA 6010b	
Lead	4.8	3.0	mg/kg	EPA 6010b	
Nickel	11	2.0	mg/kg	EPA 6010b	
Vanadium	27	5.0	mg/kg	EPA 6010b	
Zinc	51	1.0	mg/kg	EPA 6010b	

Sample ID: VP-4-3

Laboratory ID: T211549-05

No Results Detected

SunStar Laboratories, Inc.

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.



Jeff Lee, Project Manager

Terracon - Tustin

1421 Edinger Avenue, Suite C

Tustin CA, 92780

Project: Proposed Senior Living

Project Number: 60217228

Project Manager: Fabio Minervini

Reported:

05/18/21 17:17

Sample ID: COMP-2

Laboratory ID: T211549-06

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	26	1.0	mg/kg	EPA 6010b	
Chromium	5.2	2.0	mg/kg	EPA 6010b	
Cobalt	2.5	2.0	mg/kg	EPA 6010b	
Copper	5.9	1.0	mg/kg	EPA 6010b	
Nickel	4.1	2.0	mg/kg	EPA 6010b	
Vanadium	15	5.0	mg/kg	EPA 6010b	
Zinc	14	1.0	mg/kg	EPA 6010b	

Sample ID: VP-5-3

Laboratory ID: T211549-07

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
C23-C32 (MORO)	22	10	mg/kg	EPA 8015B	

Sample ID: VP-6-6

Laboratory ID: T211549-08

No Results Detected

Sample ID: VP-7-10

Laboratory ID: T211549-09

No Results Detected

Sample ID: VP-8-2

Laboratory ID: T211549-10

No Results Detected

Sample ID: COMP-3

Laboratory ID: T211549-11

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	31	1.0	mg/kg	EPA 6010b	

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Jeff Lee, Project Manager

Terracon - Tustin

1421 Edinger Avenue, Suite C

Tustin CA, 92780

Project: Proposed Senior Living

Project Number: 60217228

Project Manager: Fabio Minervini

Reported:

05/18/21 17:17

Sample ID: COMP-3

Laboratory ID: T211549-11

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Chromium	8.3	2.0	mg/kg	EPA 6010b	
Cobalt	4.4	2.0	mg/kg	EPA 6010b	
Copper	5.8	1.0	mg/kg	EPA 6010b	
Nickel	6.5	2.0	mg/kg	EPA 6010b	
Vanadium	20	5.0	mg/kg	EPA 6010b	
Zinc	22	1.0	mg/kg	EPA 6010b	

Sample ID: VP-9-5

Laboratory ID: T211549-12

No Results Detected

Sample ID: VP-10-15

Laboratory ID: T211549-14

No Results Detected

Sample ID: B-11-15

Laboratory ID: T211549-16

No Results Detected

Sample ID: COMP-4

Laboratory ID: T211549-17

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Barium	33	1.0	mg/kg	EPA 6010b	
Chromium	12	2.0	mg/kg	EPA 6010b	
Cobalt	4.9	2.0	mg/kg	EPA 6010b	
Copper	7.7	1.0	mg/kg	EPA 6010b	
Lead	8.3	3.0	mg/kg	EPA 6010b	
Nickel	8.2	2.0	mg/kg	EPA 6010b	
Vanadium	27	5.0	mg/kg	EPA 6010b	
Zinc	590	1.0	mg/kg	EPA 6010b	

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Terracon - Tustin

Project: Proposed Senior Living

1421 Edinger Avenue, Suite C

Project Number: 60217228

Tustin CA, 92780

Project Manager: Fabio Minervini

Reported:

05/18/21 17:17

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-1-11
T211549-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1050635	05/06/21	05/08/21	EPA 8015B	
C13-C22 (DRO)	ND	10	"	"	"	"	"	"	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		102 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Bromochloromethane	ND	0.0025	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0025	"	"	"	"	"	"	
Bromoform	ND	0.0025	"	"	"	"	"	"	
Bromomethane	ND	0.0025	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0025	"	"	"	"	"	"	
Chlorobenzene	ND	0.0025	"	"	"	"	"	"	
Chloroethane	ND	0.0025	"	"	"	"	"	"	
Chloroform	ND	0.0025	"	"	"	"	"	"	
Chloromethane	ND	0.0025	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0025	"	"	"	"	"	"	
Dibromomethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0025	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-1-11
T211549-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,2-Dichloroethene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B
trans-1,2-Dichloroethene	ND	0.0025	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,3-Dichloropropane	ND	0.0025	"	"	"	"	"	"
2,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,1-Dichloropropene	ND	0.0025	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
Hexachlorobutadiene	ND	0.0025	"	"	"	"	"	"
Isopropylbenzene	ND	0.0025	"	"	"	"	"	"
p-Isopropyltoluene	ND	0.0025	"	"	"	"	"	"
Methylene chloride	ND	0.010	"	"	"	"	"	"
Naphthalene	ND	0.0025	"	"	"	"	"	"
n-Propylbenzene	ND	0.0025	"	"	"	"	"	"
Styrene	ND	0.0025	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
Tetrachloroethene	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.0025	"	"	"	"	"	"
Trichloroethene	ND	0.0025	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.0025	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
Vinyl chloride	ND	0.0025	"	"	"	"	"	"
Benzene	ND	0.0025	"	"	"	"	"	"
Toluene	ND	0.0025	"	"	"	"	"	"
Ethylbenzene	ND	0.0025	"	"	"	"	"	"
m,p-Xylene	ND	0.0050	"	"	"	"	"	"

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Terracon - Tustin
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Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-1-11
T211549-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

o-Xylene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	98.2 %	75.4-139			"	"	"	"	
Surrogate: Dibromofluoromethane	101 %	73.1-125			"	"	"	"	
Surrogate: Toluene-d8	97.1 %	82.6-117			"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-2-9
T211549-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1050635	05/06/21	05/08/21	EPA 8015B	
C13-C22 (DRO)	ND	10	"	"	"	"	"	"	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		103 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Bromochloromethane	ND	0.0025	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0025	"	"	"	"	"	"	
Bromoform	ND	0.0025	"	"	"	"	"	"	
Bromomethane	ND	0.0025	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0025	"	"	"	"	"	"	
Chlorobenzene	ND	0.0025	"	"	"	"	"	"	
Chloroethane	ND	0.0025	"	"	"	"	"	"	
Chloroform	ND	0.0025	"	"	"	"	"	"	
Chloromethane	ND	0.0025	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0025	"	"	"	"	"	"	
Dibromomethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0025	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-2-9
T211549-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,2-Dichloroethene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B
trans-1,2-Dichloroethene	ND	0.0025	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,3-Dichloropropane	ND	0.0025	"	"	"	"	"	"
2,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,1-Dichloropropene	ND	0.0025	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
Hexachlorobutadiene	ND	0.0025	"	"	"	"	"	"
Isopropylbenzene	ND	0.0025	"	"	"	"	"	"
p-Isopropyltoluene	ND	0.0025	"	"	"	"	"	"
Methylene chloride	ND	0.010	"	"	"	"	"	"
Naphthalene	ND	0.0025	"	"	"	"	"	"
n-Propylbenzene	ND	0.0025	"	"	"	"	"	"
Styrene	ND	0.0025	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
Tetrachloroethene	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.0025	"	"	"	"	"	"
Trichloroethene	ND	0.0025	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.0025	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
Vinyl chloride	ND	0.0025	"	"	"	"	"	"
Benzene	ND	0.0025	"	"	"	"	"	"
Toluene	ND	0.0025	"	"	"	"	"	"
Ethylbenzene	ND	0.0025	"	"	"	"	"	"
m,p-Xylene	ND	0.0050	"	"	"	"	"	"

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Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-2-9

T211549-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

o-Xylene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	92.9 %	75.4-139			"	"	"	"	
Surrogate: Dibromofluoromethane	100 %	73.1-125			"	"	"	"	
Surrogate: Toluene-d8	91.9 %	82.6-117			"	"	"	"	

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-3-7
T211549-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1050635	05/06/21	05/08/21	EPA 8015B	
C13-C22 (DRO)	ND	10	"	"	"	"	"	"	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		107 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Bromochloromethane	ND	0.0025	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0025	"	"	"	"	"	"	
Bromoform	ND	0.0025	"	"	"	"	"	"	
Bromomethane	ND	0.0025	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0025	"	"	"	"	"	"	
Chlorobenzene	ND	0.0025	"	"	"	"	"	"	
Chloroethane	ND	0.0025	"	"	"	"	"	"	
Chloroform	ND	0.0025	"	"	"	"	"	"	
Chloromethane	ND	0.0025	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0025	"	"	"	"	"	"	
Dibromomethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0025	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-3-7
T211549-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,2-Dichloroethene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B
trans-1,2-Dichloroethene	ND	0.0025	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,3-Dichloropropane	ND	0.0025	"	"	"	"	"	"
2,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,1-Dichloropropene	ND	0.0025	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
Hexachlorobutadiene	ND	0.0025	"	"	"	"	"	"
Isopropylbenzene	ND	0.0025	"	"	"	"	"	"
p-Isopropyltoluene	ND	0.0025	"	"	"	"	"	"
Methylene chloride	ND	0.010	"	"	"	"	"	"
Naphthalene	ND	0.0025	"	"	"	"	"	"
n-Propylbenzene	ND	0.0025	"	"	"	"	"	"
Styrene	ND	0.0025	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
Tetrachloroethene	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.0025	"	"	"	"	"	"
Trichloroethene	ND	0.0025	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.0025	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
Vinyl chloride	ND	0.0025	"	"	"	"	"	"
Benzene	ND	0.0025	"	"	"	"	"	"
Toluene	ND	0.0025	"	"	"	"	"	"
Ethylbenzene	ND	0.0025	"	"	"	"	"	"
m,p-Xylene	ND	0.0050	"	"	"	"	"	"

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-3-7

T211549-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

o-Xylene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	97.8 %	75.4-139			"	"	"	"	
Surrogate: Dibromofluoromethane	100 %	73.1-125			"	"	"	"	
Surrogate: Toluene-d8	98.9 %	82.6-117			"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin

1421 Edinger Avenue, Suite C

Tustin CA, 92780

Project: Proposed Senior Living

Project Number: 60217228

Project Manager: Fabio Minervini

Reported:

05/18/21 17:17

COMP-1

T211549-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1050640	05/06/21	05/07/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	72	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	05/07/21	"	
Cadmium	ND	2.0	"	"	"	"	05/07/21	"	
Chromium	19	2.0	"	"	"	"	"	"	
Cobalt	7.2	2.0	"	"	"	"	"	"	
Copper	11	1.0	"	"	"	"	"	"	
Lead	4.8	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	11	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	27	5.0	"	"	"	"	"	"	
Zinc	51	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1050641	05/06/21	05/10/21	EPA 7471A Soil	
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SunStar Laboratories, Inc.



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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-4-3
T211549-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1050635	05/06/21	05/08/21	EPA 8015B	
C13-C22 (DRO)	ND	10	"	"	"	"	"	"	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		104 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Bromochloromethane	ND	0.0025	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0025	"	"	"	"	"	"	
Bromoform	ND	0.0025	"	"	"	"	"	"	
Bromomethane	ND	0.0025	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0025	"	"	"	"	"	"	
Chlorobenzene	ND	0.0025	"	"	"	"	"	"	
Chloroethane	ND	0.0025	"	"	"	"	"	"	
Chloroform	ND	0.0025	"	"	"	"	"	"	
Chloromethane	ND	0.0025	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0025	"	"	"	"	"	"	
Dibromomethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0025	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-4-3

T211549-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,2-Dichloroethene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B
trans-1,2-Dichloroethene	ND	0.0025	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,3-Dichloropropane	ND	0.0025	"	"	"	"	"	"
2,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,1-Dichloropropene	ND	0.0025	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
Hexachlorobutadiene	ND	0.0025	"	"	"	"	"	"
Isopropylbenzene	ND	0.0025	"	"	"	"	"	"
p-Isopropyltoluene	ND	0.0025	"	"	"	"	"	"
Methylene chloride	ND	0.010	"	"	"	"	"	"
Naphthalene	ND	0.0025	"	"	"	"	"	"
n-Propylbenzene	ND	0.0025	"	"	"	"	"	"
Styrene	ND	0.0025	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
Tetrachloroethene	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.0025	"	"	"	"	"	"
Trichloroethene	ND	0.0025	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.0025	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
Vinyl chloride	ND	0.0025	"	"	"	"	"	"
Benzene	ND	0.0025	"	"	"	"	"	"
Toluene	ND	0.0025	"	"	"	"	"	"
Ethylbenzene	ND	0.0025	"	"	"	"	"	"
m,p-Xylene	ND	0.0050	"	"	"	"	"	"

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-4-3

T211549-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

o-Xylene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	96.8 %	75.4-139			"	"	"	"	
Surrogate: Dibromofluoromethane	97.1 %	73.1-125			"	"	"	"	
Surrogate: Toluene-d8	95.1 %	82.6-117			"	"	"	"	

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Jeff Lee, Project Manager



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Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

COMP-2
T211549-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1050640	05/06/21	05/07/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	26	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	05/07/21	"	
Cadmium	ND	2.0	"	"	"	"	05/07/21	"	
Chromium	5.2	2.0	"	"	"	"	"	"	
Cobalt	2.5	2.0	"	"	"	"	"	"	
Copper	5.9	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	4.1	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	15	5.0	"	"	"	"	"	"	
Zinc	14	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1050641	05/06/21	05/10/21	EPA 7471A Soil	
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SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-5-3
T211549-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1050635	05/06/21	05/08/21	EPA 8015B	
C13-C22 (DRO)	ND	10	"	"	"	"	"	"	
C23-C32 (MORO)	22	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		101 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Bromochloromethane	ND	0.0025	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0025	"	"	"	"	"	"	
Bromoform	ND	0.0025	"	"	"	"	"	"	
Bromomethane	ND	0.0025	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0025	"	"	"	"	"	"	
Chlorobenzene	ND	0.0025	"	"	"	"	"	"	
Chloroethane	ND	0.0025	"	"	"	"	"	"	
Chloroform	ND	0.0025	"	"	"	"	"	"	
Chloromethane	ND	0.0025	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0025	"	"	"	"	"	"	
Dibromomethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0025	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-5-3
T211549-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,2-Dichloroethene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B
trans-1,2-Dichloroethene	ND	0.0025	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,3-Dichloropropane	ND	0.0025	"	"	"	"	"	"
2,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,1-Dichloropropene	ND	0.0025	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
Hexachlorobutadiene	ND	0.0025	"	"	"	"	"	"
Isopropylbenzene	ND	0.0025	"	"	"	"	"	"
p-Isopropyltoluene	ND	0.0025	"	"	"	"	"	"
Methylene chloride	ND	0.010	"	"	"	"	"	"
Naphthalene	ND	0.0025	"	"	"	"	"	"
n-Propylbenzene	ND	0.0025	"	"	"	"	"	"
Styrene	ND	0.0025	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
Tetrachloroethene	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.0025	"	"	"	"	"	"
Trichloroethene	ND	0.0025	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.0025	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
Vinyl chloride	ND	0.0025	"	"	"	"	"	"
Benzene	ND	0.0025	"	"	"	"	"	"
Toluene	ND	0.0025	"	"	"	"	"	"
Ethylbenzene	ND	0.0025	"	"	"	"	"	"
m,p-Xylene	ND	0.0050	"	"	"	"	"	"

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-5-3

T211549-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

o-Xylene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	95.9 %	75.4-139			"	"	"	"	
Surrogate: Dibromofluoromethane	100 %	73.1-125			"	"	"	"	
Surrogate: Toluene-d8	99.1 %	82.6-117			"	"	"	"	

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-6-6
T211549-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1050635	05/06/21	05/08/21	EPA 8015B	
C13-C22 (DRO)	ND	10	"	"	"	"	"	"	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		105 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Bromochloromethane	ND	0.0025	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0025	"	"	"	"	"	"	
Bromoform	ND	0.0025	"	"	"	"	"	"	
Bromomethane	ND	0.0025	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0025	"	"	"	"	"	"	
Chlorobenzene	ND	0.0025	"	"	"	"	"	"	
Chloroethane	ND	0.0025	"	"	"	"	"	"	
Chloroform	ND	0.0025	"	"	"	"	"	"	
Chloromethane	ND	0.0025	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0025	"	"	"	"	"	"	
Dibromomethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0025	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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.



Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-6-6
T211549-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,2-Dichloroethene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B
trans-1,2-Dichloroethene	ND	0.0025	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,3-Dichloropropane	ND	0.0025	"	"	"	"	"	"
2,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,1-Dichloropropene	ND	0.0025	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
Hexachlorobutadiene	ND	0.0025	"	"	"	"	"	"
Isopropylbenzene	ND	0.0025	"	"	"	"	"	"
p-Isopropyltoluene	ND	0.0025	"	"	"	"	"	"
Methylene chloride	ND	0.010	"	"	"	"	"	"
Naphthalene	ND	0.0025	"	"	"	"	"	"
n-Propylbenzene	ND	0.0025	"	"	"	"	"	"
Styrene	ND	0.0025	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
Tetrachloroethene	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.0025	"	"	"	"	"	"
Trichloroethene	ND	0.0025	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.0025	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
Vinyl chloride	ND	0.0025	"	"	"	"	"	"
Benzene	ND	0.0025	"	"	"	"	"	"
Toluene	ND	0.0025	"	"	"	"	"	"
Ethylbenzene	ND	0.0025	"	"	"	"	"	"
m,p-Xylene	ND	0.0050	"	"	"	"	"	"

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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1421 Edinger Avenue, Suite C
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Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-6-6
T211549-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

o-Xylene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		101 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		97.8 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		96.4 %	82.6-117		"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-7-10
T211549-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1050635	05/06/21	05/08/21	EPA 8015B	
C13-C22 (DRO)	ND	10	"	"	"	"	"	"	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	

Surrogate: *p*-Terphenyl 104 % 65-135 " " " "

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Bromochloromethane	ND	0.0025	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0025	"	"	"	"	"	"	
Bromoform	ND	0.0025	"	"	"	"	"	"	
Bromomethane	ND	0.0025	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0025	"	"	"	"	"	"	
Chlorobenzene	ND	0.0025	"	"	"	"	"	"	
Chloroethane	ND	0.0025	"	"	"	"	"	"	
Chloroform	ND	0.0025	"	"	"	"	"	"	
Chloromethane	ND	0.0025	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0025	"	"	"	"	"	"	
Dibromomethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0025	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-7-10
T211549-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,2-Dichloroethene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B
trans-1,2-Dichloroethene	ND	0.0025	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,3-Dichloropropane	ND	0.0025	"	"	"	"	"	"
2,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,1-Dichloropropene	ND	0.0025	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
Hexachlorobutadiene	ND	0.0025	"	"	"	"	"	"
Isopropylbenzene	ND	0.0025	"	"	"	"	"	"
p-Isopropyltoluene	ND	0.0025	"	"	"	"	"	"
Methylene chloride	ND	0.010	"	"	"	"	"	"
Naphthalene	ND	0.0025	"	"	"	"	"	"
n-Propylbenzene	ND	0.0025	"	"	"	"	"	"
Styrene	ND	0.0025	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
Tetrachloroethene	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.0025	"	"	"	"	"	"
Trichloroethene	ND	0.0025	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.0025	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
Vinyl chloride	ND	0.0025	"	"	"	"	"	"
Benzene	ND	0.0025	"	"	"	"	"	"
Toluene	ND	0.0025	"	"	"	"	"	"
Ethylbenzene	ND	0.0025	"	"	"	"	"	"
m,p-Xylene	ND	0.0050	"	"	"	"	"	"

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Terracon - Tustin
1421 Edinger Avenue, Suite C
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Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-7-10
T211549-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

o-Xylene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	95.8 %	75.4-139			"	"	"	"	
Surrogate: Dibromofluoromethane	98.0 %	73.1-125			"	"	"	"	
Surrogate: Toluene-d8	93.8 %	82.6-117			"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

**VP-8-2
T211549-10 (Soil)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1050635	05/06/21	05/08/21	EPA 8015B	
C13-C22 (DRO)	ND	10	"	"	"	"	"	"	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	

Surrogate: *p*-Terphenyl 105 % 65-135 " " " "

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Bromochloromethane	ND	0.0025	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0025	"	"	"	"	"	"	
Bromoform	ND	0.0025	"	"	"	"	"	"	
Bromomethane	ND	0.0025	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0025	"	"	"	"	"	"	
Chlorobenzene	ND	0.0025	"	"	"	"	"	"	
Chloroethane	ND	0.0025	"	"	"	"	"	"	
Chloroform	ND	0.0025	"	"	"	"	"	"	
Chloromethane	ND	0.0025	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0025	"	"	"	"	"	"	
Dibromomethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0025	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-8-2
T211549-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,2-Dichloroethene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B
trans-1,2-Dichloroethene	ND	0.0025	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,3-Dichloropropane	ND	0.0025	"	"	"	"	"	"
2,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,1-Dichloropropene	ND	0.0025	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
Hexachlorobutadiene	ND	0.0025	"	"	"	"	"	"
Isopropylbenzene	ND	0.0025	"	"	"	"	"	"
p-Isopropyltoluene	ND	0.0025	"	"	"	"	"	"
Methylene chloride	ND	0.010	"	"	"	"	"	"
Naphthalene	ND	0.0025	"	"	"	"	"	"
n-Propylbenzene	ND	0.0025	"	"	"	"	"	"
Styrene	ND	0.0025	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
Tetrachloroethene	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.0025	"	"	"	"	"	"
Trichloroethene	ND	0.0025	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.0025	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
Vinyl chloride	ND	0.0025	"	"	"	"	"	"
Benzene	ND	0.0025	"	"	"	"	"	"
Toluene	ND	0.0025	"	"	"	"	"	"
Ethylbenzene	ND	0.0025	"	"	"	"	"	"
m,p-Xylene	ND	0.0050	"	"	"	"	"	"

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-8-2
T211549-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

o-Xylene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene	96.3 %	75.4-139			"	"	"	"	
Surrogate: Dibromofluoromethane	99.2 %	73.1-125			"	"	"	"	
Surrogate: Toluene-d8	94.2 %	82.6-117			"	"	"	"	

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Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

COMP-3
T211549-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1050640	05/06/21	05/07/21	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	31	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	05/07/21	"	
Cadmium	ND	2.0	"	"	"	"	05/07/21	"	
Chromium	8.3	2.0	"	"	"	"	"	"	
Cobalt	4.4	2.0	"	"	"	"	"	"	
Copper	5.8	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	6.5	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	5.0	"	"	"	"	"	"	
Vanadium	20	5.0	"	"	"	"	"	"	
Zinc	22	1.0	"	"	"	"	"	"	

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1050641	05/06/21	05/10/21	EPA 7471A Soil	
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SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-9-5
T211549-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1050635	05/06/21	05/08/21	EPA 8015B	
C13-C22 (DRO)	ND	10	"	"	"	"	"	"	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		104 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Bromochloromethane	ND	0.0025	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0025	"	"	"	"	"	"	
Bromoform	ND	0.0025	"	"	"	"	"	"	
Bromomethane	ND	0.0025	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0025	"	"	"	"	"	"	
Chlorobenzene	ND	0.0025	"	"	"	"	"	"	
Chloroethane	ND	0.0025	"	"	"	"	"	"	
Chloroform	ND	0.0025	"	"	"	"	"	"	
Chloromethane	ND	0.0025	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0025	"	"	"	"	"	"	
Dibromomethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0025	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-9-5
T211549-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,2-Dichloroethene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B
trans-1,2-Dichloroethene	ND	0.0025	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,3-Dichloropropane	ND	0.0025	"	"	"	"	"	"
2,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,1-Dichloropropene	ND	0.0025	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
Hexachlorobutadiene	ND	0.0025	"	"	"	"	"	"
Isopropylbenzene	ND	0.0025	"	"	"	"	"	"
p-Isopropyltoluene	ND	0.0025	"	"	"	"	"	"
Methylene chloride	ND	0.010	"	"	"	"	"	"
Naphthalene	ND	0.0025	"	"	"	"	"	"
n-Propylbenzene	ND	0.0025	"	"	"	"	"	"
Styrene	ND	0.0025	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
Tetrachloroethene	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.0025	"	"	"	"	"	"
Trichloroethene	ND	0.0025	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.0025	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
Vinyl chloride	ND	0.0025	"	"	"	"	"	"
Benzene	ND	0.0025	"	"	"	"	"	"
Toluene	ND	0.0025	"	"	"	"	"	"
Ethylbenzene	ND	0.0025	"	"	"	"	"	"
m,p-Xylene	ND	0.0050	"	"	"	"	"	"

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Terracon - Tustin
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Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-9-5
T211549-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

o-Xylene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		95.1 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		98.2 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		95.0 %	82.6-117		"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-10-15
T211549-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1050635	05/06/21	05/08/21	EPA 8015B	
C13-C22 (DRO)	ND	10	"	"	"	"	"	"	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	

Surrogate: *p*-Terphenyl 101 % 65-135 " " " "

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Bromochloromethane	ND	0.0025	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0025	"	"	"	"	"	"	
Bromoform	ND	0.0025	"	"	"	"	"	"	
Bromomethane	ND	0.0025	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0025	"	"	"	"	"	"	
Chlorobenzene	ND	0.0025	"	"	"	"	"	"	
Chloroethane	ND	0.0025	"	"	"	"	"	"	
Chloroform	ND	0.0025	"	"	"	"	"	"	
Chloromethane	ND	0.0025	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0025	"	"	"	"	"	"	
Dibromomethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0025	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-10-15
T211549-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,2-Dichloroethene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
trans-1,2-Dichloroethene	ND	0.0025	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0025	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0025	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0025	"	"	"	"	"	"	
Isopropylbenzene	ND	0.0025	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0025	"	"	"	"	"	"	
Methylene chloride	ND	0.010	"	"	"	"	"	"	
Naphthalene	ND	0.0025	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0025	"	"	"	"	"	"	
Styrene	ND	0.0025	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0025	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0025	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0025	"	"	"	"	"	"	
Trichloroethene	ND	0.0025	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0025	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0025	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"	
Vinyl chloride	ND	0.0025	"	"	"	"	"	"	
Benzene	ND	0.0025	"	"	"	"	"	"	
Toluene	ND	0.0025	"	"	"	"	"	"	
Ethylbenzene	ND	0.0025	"	"	"	"	"	"	
m,p-Xylene	ND	0.0050	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

VP-10-15
T211549-14 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

o-Xylene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		95.7 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		101 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		95.6 %	82.6-117		"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

B-11-15
T211549-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Extractable Petroleum Hydrocarbons by 8015B

C6-C12 (GRO)	ND	10	mg/kg	1	1050635	05/06/21	05/08/21	EPA 8015B	
C13-C22 (DRO)	ND	10	"	"	"	"	"	"	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: <i>p</i> -Terphenyl		115 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Bromochloromethane	ND	0.0025	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0025	"	"	"	"	"	"	
Bromoform	ND	0.0025	"	"	"	"	"	"	
Bromomethane	ND	0.0025	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0025	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.0025	"	"	"	"	"	"	
Chlorobenzene	ND	0.0025	"	"	"	"	"	"	
Chloroethane	ND	0.0025	"	"	"	"	"	"	
Chloroform	ND	0.0025	"	"	"	"	"	"	
Chloromethane	ND	0.0025	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0025	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0025	"	"	"	"	"	"	
Dibromomethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0025	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0025	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0025	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Terracon - Tustin
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Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

B-11-15
T211549-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

cis-1,2-Dichloroethene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B
trans-1,2-Dichloroethene	ND	0.0025	"	"	"	"	"	"
1,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,3-Dichloropropane	ND	0.0025	"	"	"	"	"	"
2,2-Dichloropropane	ND	0.0025	"	"	"	"	"	"
1,1-Dichloropropene	ND	0.0025	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	0.0025	"	"	"	"	"	"
Hexachlorobutadiene	ND	0.0025	"	"	"	"	"	"
Isopropylbenzene	ND	0.0025	"	"	"	"	"	"
p-Isopropyltoluene	ND	0.0025	"	"	"	"	"	"
Methylene chloride	ND	0.010	"	"	"	"	"	"
Naphthalene	ND	0.0025	"	"	"	"	"	"
n-Propylbenzene	ND	0.0025	"	"	"	"	"	"
Styrene	ND	0.0025	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	0.0025	"	"	"	"	"	"
Tetrachloroethene	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	0.0025	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.0025	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.0025	"	"	"	"	"	"
Trichloroethene	ND	0.0025	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.0025	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	0.0025	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	0.0025	"	"	"	"	"	"
Vinyl chloride	ND	0.0025	"	"	"	"	"	"
Benzene	ND	0.0025	"	"	"	"	"	"
Toluene	ND	0.0025	"	"	"	"	"	"
Ethylbenzene	ND	0.0025	"	"	"	"	"	"
m,p-Xylene	ND	0.0050	"	"	"	"	"	"

SunStar Laboratories, Inc.

Jeff Lee, Project Manager

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Terracon - Tustin
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Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

B-11-15

T211549-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

o-Xylene	ND	0.0025	mg/kg	1	1050707	05/07/21	05/08/21	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		95.9 %	75.4-139		"	"	"	"	
Surrogate: Dibromofluoromethane		99.3 %	73.1-125		"	"	"	"	
Surrogate: Toluene-d8		94.2 %	82.6-117		"	"	"	"	

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin

1421 Edinger Avenue, Suite C

Tustin CA, 92780

Project: Proposed Senior Living

Project Number: 60217228

Project Manager: Fabio Minervini

Reported:

05/18/21 17:17

COMP-4

T211549-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Metals by EPA 6010B

Antimony	ND	3.0	mg/kg	1	1050640	05/06/21	05/07/21	EPA 6010b
Silver	ND	2.0	"	"	"	"	"	"
Arsenic	ND	5.0	"	"	"	"	"	"
Barium	33	1.0	"	"	"	"	"	"
Beryllium	ND	1.0	"	"	"	"	"	"
Cadmium	ND	2.0	"	"	"	"	"	"
Chromium	12	2.0	"	"	"	"	"	"
Cobalt	4.9	2.0	"	"	"	"	"	"
Copper	7.7	1.0	"	"	"	"	"	"
Lead	8.3	3.0	"	"	"	"	"	"
Molybdenum	ND	5.0	"	"	"	"	"	"
Nickel	8.2	2.0	"	"	"	"	"	"
Selenium	ND	5.0	"	"	"	"	"	"
Thallium	ND	5.0	"	"	"	"	"	"
Vanadium	27	5.0	"	"	"	"	"	"
Zinc	590	1.0	"	"	"	"	"	"

Cold Vapor Extraction EPA 7470/7471

Mercury	ND	0.10	mg/kg	1	1050641	05/06/21	05/10/21	EPA 7471A Soil
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SunStar Laboratories, Inc.



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.

Jeff Lee, Project Manager

Terracon - Tustin

1421 Edinger Avenue, Suite C

Tustin CA, 92780

Project: Proposed Senior Living

Project Number: 60217228

Project Manager: Fabio Minervini

Reported:

05/18/21 17:17

Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050635 - EPA 3550B GC

Blank (1050635-BLK1)

Prepared: 05/06/21 Analyzed: 05/08/21

C6-C12 (GRO)	ND	10	mg/kg							
C13-C22 (DRO)	ND	10	"							
C23-C32 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	105		"	100		105	65-135			

LCS (1050635-BS1)

Prepared: 05/06/21 Analyzed: 05/08/21

C13-C22 (DRO)	410	10	mg/kg	500		81.1	75-125			
Surrogate: <i>p</i> -Terphenyl	108		"	100		108	65-135			

LCS Dup (1050635-BSD1)

Prepared: 05/06/21 Analyzed: 05/08/21

C13-C22 (DRO)	400	10	mg/kg	500		80.4	75-125	0.887	20	
Surrogate: <i>p</i> -Terphenyl	107		"	100		107	65-135			

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050640 - EPA 3050B

Blank (1050640-BLK1)

Prepared: 05/06/21 Analyzed: 05/07/21

Antimony	ND	3.0	mg/kg
Silver	ND	2.0	"
Arsenic	ND	5.0	"
Barium	ND	1.0	"
Beryllium	ND	1.0	"
Cadmium	ND	2.0	"
Chromium	ND	2.0	"
Cobalt	ND	2.0	"
Copper	ND	1.0	"
Lead	ND	3.0	"
Molybdenum	ND	5.0	"
Nickel	ND	2.0	"
Selenium	ND	5.0	"
Thallium	ND	5.0	"
Vanadium	ND	5.0	"
Zinc	ND	1.0	"

LCS (1050640-BS1)

Prepared: 05/06/21 Analyzed: 05/07/21

Arsenic	95.8	5.0	mg/kg	100	95.8	75-125
Barium	100	1.0	"	100	100	75-125
Cadmium	99.9	2.0	"	100	99.9	75-125
Chromium	99.5	2.0	"	100	99.5	75-125
Lead	96.4	3.0	"	100	96.4	75-125

Matrix Spike (1050640-MS1)

Source: T211549-04

Prepared: 05/06/21 Analyzed: 05/07/21

Arsenic	63.4	5.0	mg/kg	92.6	1.30	67.0	75-125	QM-05
Barium	131	1.0	"	92.6	71.6	64.6	75-125	QM-05
Cadmium	58.7	2.0	"	92.6	0.401	63.0	75-125	QM-05
Chromium	75.9	2.0	"	92.6	19.2	61.2	75-125	QM-05
Lead	60.4	3.0	"	92.6	4.78	60.1	75-125	QM-05

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin

Project: Proposed Senior Living

1421 Edinger Avenue, Suite C

Project Number: 60217228

Reported:

Tustin CA, 92780

Project Manager: Fabio Minervini

05/18/21 17:17

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050640 - EPA 3050B

Matrix Spike Dup (1050640-MSD1)

Source: T211549-04

Prepared: 05/06/21 Analyzed: 05/07/21

Arsenic	60.9	4.5	mg/kg	90.9	1.30	65.6	75-125	3.91	20	QM-05
Barium	132	0.91	"	90.9	71.6	66.3	75-125	0.344	20	QM-05
Cadmium	58.3	1.8	"	90.9	0.401	63.7	75-125	0.670	20	QM-05
Chromium	77.8	1.8	"	90.9	19.2	64.4	75-125	2.48	20	QM-05
Lead	59.4	2.7	"	90.9	4.78	60.1	75-125	1.58	20	QM-05

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050641 - EPA 7471A Soil

Blank (1050641-BLK1)

Prepared: 05/06/21 Analyzed: 05/10/21

Mercury	ND	0.10	mg/kg							
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LCS (1050641-BS1)

Prepared: 05/06/21 Analyzed: 05/10/21

Mercury	0.335	0.10	mg/kg	0.385		87.1	80-120			
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Matrix Spike (1050641-MS1)

Source: T211549-04

Prepared: 05/06/21 Analyzed: 05/10/21

Mercury	0.378	0.10	mg/kg	0.385	ND	98.2	75-125			
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Matrix Spike Dup (1050641-MSD1)

Source: T211549-04

Prepared: 05/06/21 Analyzed: 05/10/21

Mercury	0.349	0.10	mg/kg	0.385	ND	90.8	75-125	7.78	20	
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SunStar Laboratories, Inc.

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.

Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050707 - EPA 5030 GCMS

Blank (1050707-BLK1)

Prepared & Analyzed: 05/07/21

Bromobenzene	ND	0.0025	mg/kg
Bromochloromethane	ND	0.0025	"
Bromodichloromethane	ND	0.0025	"
Bromoform	ND	0.0025	"
Bromomethane	ND	0.0025	"
n-Butylbenzene	ND	0.0025	"
sec-Butylbenzene	ND	0.0025	"
tert-Butylbenzene	ND	0.0025	"
Carbon tetrachloride	ND	0.0025	"
Chlorobenzene	ND	0.0025	"
Chloroethane	ND	0.0025	"
Chloroform	ND	0.0025	"
Chloromethane	ND	0.0025	"
2-Chlorotoluene	ND	0.0025	"
4-Chlorotoluene	ND	0.0025	"
Dibromochloromethane	ND	0.0025	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane (EDB)	ND	0.0025	"
Dibromomethane	ND	0.0025	"
1,2-Dichlorobenzene	ND	0.0025	"
1,3-Dichlorobenzene	ND	0.0025	"
1,4-Dichlorobenzene	ND	0.0025	"
Dichlorodifluoromethane	ND	0.0025	"
1,1-Dichloroethane	ND	0.0025	"
1,2-Dichloroethane	ND	0.0025	"
1,1-Dichloroethene	ND	0.0025	"
cis-1,2-Dichloroethene	ND	0.0025	"
trans-1,2-Dichloroethene	ND	0.0025	"
1,2-Dichloropropane	ND	0.0025	"
1,3-Dichloropropane	ND	0.0025	"
2,2-Dichloropropane	ND	0.0025	"
1,1-Dichloropropene	ND	0.0025	"
cis-1,3-Dichloropropene	ND	0.0025	"
trans-1,3-Dichloropropene	ND	0.0025	"
Hexachlorobutadiene	ND	0.0025	"
Isopropylbenzene	ND	0.0025	"

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager



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Lake Forest, California 92630
949.297.5020 Phone
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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050707 - EPA 5030 GCMS

Blank (1050707-BLK1)

Prepared & Analyzed: 05/07/21

p-Isopropyltoluene	ND	0.0025	mg/kg							
Methylene chloride	0.0121	0.010	"							B-03
Naphthalene	ND	0.0025	"							
n-Propylbenzene	ND	0.0025	"							
Styrene	ND	0.0025	"							
1,1,2,2-Tetrachloroethane	ND	0.0025	"							
1,1,1,2-Tetrachloroethane	ND	0.0025	"							
Tetrachloroethene	ND	0.0025	"							
1,2,3-Trichlorobenzene	ND	0.0025	"							
1,2,4-Trichlorobenzene	ND	0.0025	"							
1,1,2-Trichloroethane	ND	0.0025	"							
1,1,1-Trichloroethane	ND	0.0025	"							
Trichloroethene	ND	0.0025	"							
Trichlorofluoromethane	ND	0.0025	"							
1,2,3-Trichloropropane	ND	0.0025	"							
1,3,5-Trimethylbenzene	ND	0.0025	"							
1,2,4-Trimethylbenzene	ND	0.0025	"							
Vinyl chloride	ND	0.0025	"							
Benzene	ND	0.0025	"							
Toluene	ND	0.0025	"							
Ethylbenzene	ND	0.0025	"							
m,p-Xylene	ND	0.0050	"							
o-Xylene	ND	0.0025	"							

Surrogate: 4-Bromofluorobenzene	0.0486		"	0.0500	97.2	75.4-139
Surrogate: Dibromofluoromethane	0.0484		"	0.0500	96.7	73.1-125
Surrogate: Toluene-d8	0.0487		"	0.0500	97.4	82.6-117

LCS (1050707-BS1)

Prepared & Analyzed: 05/07/21

Chlorobenzene	0.0546	0.0025	mg/kg	0.0500	109	65.2-124
1,1-Dichloroethene	0.0485	0.0025	"	0.0500	97.0	60.9-131
Trichloroethene	0.0484	0.0025	"	0.0500	96.9	62.1-126
Benzene	0.0456	0.0025	"	0.0500	91.3	65.3-127
Toluene	0.0436	0.0025	"	0.0500	87.1	64.3-122
Surrogate: 4-Bromofluorobenzene	0.0526		"	0.0500	105	75.4-139
Surrogate: Dibromofluoromethane	0.0485		"	0.0500	97.1	73.1-125
Surrogate: Toluene-d8	0.0482		"	0.0500	96.4	82.6-117

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/18/21 17:17

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1050707 - EPA 5030 GCMS

Matrix Spike (1050707-MS1)		Source: T211557-06			Prepared & Analyzed: 05/07/21					
Chlorobenzene	0.0505	0.0025	mg/kg	0.0491	ND	103	65.2-125			
1,1-Dichloroethene	0.0457	0.0025	"	0.0491	ND	93.0	60.9-131			
Trichloroethene	0.0446	0.0025	"	0.0491	ND	90.7	62.1-126			
Benzene	0.0438	0.0025	"	0.0491	ND	89.2	65.3-127			
Toluene	0.0411	0.0025	"	0.0491	ND	83.7	64.3-125			
Surrogate: 4-Bromofluorobenzene	0.0501		"	0.0491		102	75.4-139			
Surrogate: Dibromofluoromethane	0.0473		"	0.0491		96.2	73.1-125			
Surrogate: Toluene-d8	0.0474		"	0.0491		96.6	82.6-117			
Matrix Spike Dup (1050707-MSD1)		Source: T211557-06			Prepared: 05/07/21 Analyzed: 05/10/21					
Chlorobenzene	0.0352	0.0025	mg/kg	0.0493	ND	71.3	65.2-125	35.9	20	QM-07
1,1-Dichloroethene	0.0314	0.0025	"	0.0493	ND	63.6	60.9-131	37.2	20	QM-07
Trichloroethene	0.0322	0.0025	"	0.0493	ND	65.3	62.1-126	32.2	20	QM-07
Benzene	0.0311	0.0025	"	0.0493	ND	63.0	65.3-127	34.1	20	QM-07
Toluene	0.0302	0.0025	"	0.0493	ND	61.3	64.3-125	30.5	20	QM-07
Surrogate: 4-Bromofluorobenzene	0.0492		"	0.0493		99.8	75.4-139			
Surrogate: Dibromofluoromethane	0.0502		"	0.0493		102	73.1-125			
Surrogate: Toluene-d8	0.0474		"	0.0493		96.2	82.6-117			

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon - Tustin

Project: Proposed Senior Living

1421 Edinger Avenue, Suite C

Project Number: 60217228

Tustin CA, 92780

Project Manager: Fabio Minervini

Reported:

05/18/21 17:17

Notes and Definitions

QM-07	The spike recovery and or RPD was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within acceptance criteria. The data is acceptable as no negative impact on data is expected.
B-03	Analyte present in blank due to being a common laboratory contaminant.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

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Jeff Lee, Project Manager

Terracon

Consulting Engineers & Scientists

Office Location 1421 EdingerAve Suite C TustinProject Manager Foster M

Sample's Name

Sampler's Signature

PO/SO #:

Laboratory: SunStar

Address:

Contact:

Phone:

Proj. No.

Project Name

No/Type of Containers

60217 228

Revised Series Living Development - 48Box Jars

Matrix	Date	Time	Com p	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1L	250 ml	P/O
S	5-5-21	0850	X	VP-1-11						
		0940	X	VP-2-9						
		1035	X	VP-3-7						
		1040	X	COMP-1						
		1105	X	VP-4-3						
		1140	X	BOHP-2						
		1200	X	VP-5-3						
		1325	X	VP-6-6						
		1430	X	VP-7-10						
		1450	X	VP-8-2						

Turn around time

☒ Normal☐ 25% Rush☐ 50% Rush☐ 100% Rush

Relinquished by (Signature)	Date: <u>5/6/21</u>	Time: <u>12:58</u>	Received by: (Signature)	Date: <u>5/6/21</u>	Time: <u>12:58</u>
Relinquished by (Signature)	Date: <u>5/6/21</u>	Time: <u>13:47</u>	Received by: (Signature)	Date: <u>5/6/21</u>	Time: <u>13:47</u>
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

Relinquished by (Signature)

Date:

Time:

Received by: (Signature)

Date:

Time:

Matrix Container

W - Wastewater
VCA - 40 ml vialW - Water
A/G - Amber / Or Glass 1 LiterS - Soil
SD - Solid
L - Liquid
250 ml - Glass wide mouth

A - Air Bag

C - Charcoal tube
P/O - Plastic or other

SL - Sludge

O - Oil

Orange County Office

1421 Edinger Ave, Suite C

Tustin, California 92780

Office (949) 261-0051
Fax (949) 261-6110

ANALYSIS REQUESTED

VOCs - 926013
TPH - 8015 B
CAM-17 Metals - 6010R/7431
Holo

Lab use only
Due Date:Temp. of coolers
When received (C°): 4.10

1 2 3 4 5

Page _____ of _____

T211549

Lab Sample ID (Lab Use Only)

Temperature recorded 41.0° QR 4/11/21

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #:

Client Name:

Terracon - Tustin

Project: proposed senior living development + - HB

Delivered by:

☐ Client ☒ SunStar Courier ☐ GLS ☐ FedEx ☐ Other

If Courier, Received by:

Paul

Date/Time Courier

Received:

5/6/21

12:58

Lab Received by:

JB

Date/Time Lab

Received:

5/6/21

13:47

Total number of coolers received: 1

Thermometer ID: SC-GUN

Calibration due: 8/17/21

Temperature: Cooler #1	<u>4.3</u> °C +/- the CF (-0.2°C) = <u>4.1</u> °C corrected temperature
Temperature: Cooler #2	°C +/- the CF (-0.2°C) = °C corrected temperature
Temperature: Cooler #3	°C +/- the CF (-0.2°C) = °C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)	Within criteria? ☒ Yes ☐ No ☐ N/A
If NO:	
Samples received on ice?	☐ Yes ☐ No → Complete Non-Conformance Sheet
If on ice, samples received same day collected?	☐ Yes → Acceptable ☐ No → Complete Non-Conformance Sheet

Custody seals intact on cooler/sample

☐ Yes ☐ No* ☒ N/A

Sample containers intact

☒ Yes ☐ No*

Sample labels match Chain of Custody IDs

☒ Yes ☐ No*

Total number of containers received match COC

☒ Yes ☐ No*

Proper containers received for analyses requested on COC

☒ Yes ☐ No*

Proper preservative indicated on COC/containers for analyses requested

☐ Yes ☐ No* ☒ N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times

☒ Yes ☐ No*

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date:

PD 5/6/21

Comments:

Jeff Lee

From: Marin, Jose <Jose.Marin@terracon.com>
Sent: Tuesday, May 18, 2021 5:11 PM
To: Jeff Lee; Minervini, Fabio M
Cc: Cathy Hartman; Rebecca Traficanto
Subject: RE: Final Report and Invoice for Proposed Senior Living Development (T211549)

Jeff,

For this report can we change the ID for the last boring from VP-11 to B-11. Let me know if you would like me to send an updated COC on my end. Thank You in advance.

Jose Marin
Assistant Geologist
Terracon Consultants Inc.
1421 Edinger Avenue, Suite C | Tustin, CA 92780
Direct: 949.864.2077 | Cell: 714.604.3017
Jose.Marin@Terracon.com \ www.terracon.com

From: Jeff Lee <jefflee@sunstarlabs.com>
Sent: Wednesday, May 12, 2021 8:58 AM
To: Minervini, Fabio M <Fabio.Minervini@terracon.com>; Marin, Jose <Jose.Marin@terracon.com>
Cc: Cathy Hartman <accounting@sunstarlabs.com>; Rebecca Traficanto <rebecca@sunstarlabs.com>
Subject: Final Report and Invoice for Proposed Senior Living Development (T211549)

Hello Fabio and Jose,

Please find attached the final report and invoice for the following:

Project: **Proposed Senior Living Development**
Project Number: **60217228**

If I can provide any additional information, please let me know.

We appreciate your business!

Best regards,

Jeff Lee
Project Manager



25712 Commonwealth Dr., Lake Forest, CA 92650
CH (949) 297-5020
EAP Accreditation: 2250 State of Nevada Accreditation: CA012842619-1
SC/EC 17025 Accreditation: A7-2342 CA State Business Certification: 01511

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WORK ORDER

Printed: 5/6/2021 3:06:30PM

T211549

SunStar Laboratories, Inc.

Client: Terracon - Tustin
Project: Proposed Senior Living

Project Manager: Jeff Lee
Project Number: 60217228

Report To:

Terracon - Tustin
 Fabio Minervini
 1421 Edinger Avenue, Suite C
 Tustin, CA 92780
 Phone: (949) 383-1984
 Fax: (949) 660-9732

Invoice To:

Terracon - Tustin
 Fabio Minervini
 1421 Edinger Avenue, Suite C
 Tustin, CA 92780
 Phone : (949) 383-1984
 Fax: (949) 660-9732

Date Due: 05/13/21 17:00 (5 day TAT)

Received By: Jennifer Berger

Logged In By: Jeff Lee

Date Received: 05/06/21 13:47

Date Logged In: 05/06/21 14:59

Samples Received at: 4.1°C

Custody Seals No Received On Ice Yes
 Containers Intact Yes
 COC/Labels Agree Yes
 Preservation Confir No

Analysis	Due	TAT	Expires	Comments
----------	-----	-----	---------	----------

T211549-01 VP-1-11 [Soil] Sampled 05/05/21 08:50 (GMT-08:00) Pacific Time
 (US &

8260	05/11/21 15:00	3	05/19/21 08:50	
8015 CC (6-12)(13-22)(23-32)	05/11/21 15:00	3	05/19/21 08:50	

T211549-02 VP-2-9 [Soil] Sampled 05/05/21 09:40 (GMT-08:00) Pacific Time
 (US &

8015 CC (6-12)(13-22)(23-32)	05/11/21 15:00	3	05/19/21 09:40	
8260	05/11/21 15:00	3	05/19/21 09:40	

T211549-03 VP-3-7 [Soil] Sampled 05/05/21 10:35 (GMT-08:00) Pacific Time
 (US &

8015 CC (6-12)(13-22)(23-32)	05/11/21 15:00	3	05/19/21 10:35	
8260	05/11/21 15:00	3	05/19/21 10:35	

T211549-04 COMP-1 [Soil] Sampled 05/05/21 10:40 (GMT-08:00) Pacific Time
 (US &

6010 Title 22	05/13/21 15:00	5	11/01/21 10:40	
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T211549-05 VP-4-3 [Soil] Sampled 05/05/21 11:05 (GMT-08:00) Pacific Time
 (US &

8015 CC (6-12)(13-22)(23-32)	05/11/21 15:00	3	05/19/21 11:05	
8260	05/11/21 15:00	3	05/19/21 11:05	

WORK ORDER

Printed: 5/6/2021 3:06:30PM

T211549

SunStar Laboratories, Inc.

Client: Terracon - Tustin
Project: Proposed Senior Living

Project Manager: Jeff Lee
Project Number: 60217228

Analysis	Due	TAT	Expires	Comments
T211549-06 COMP-2 [Soil] Sampled 05/05/21 11:40 (GMT-08:00) Pacific Time				
(US & 6010 Title 22	05/13/21 15:00	5	11/01/21 11:40	
T211549-07 VP-5-3 [Soil] Sampled 05/05/21 12:00 (GMT-08:00) Pacific Time				
(US & 8015 CC (6-12)(13-22)(23-32)	05/11/21 15:00	3	05/19/21 12:00	
8260	05/11/21 15:00	3	05/19/21 12:00	
T211549-08 VP-6-6 [Soil] Sampled 05/05/21 13:25 (GMT-08:00) Pacific Time				
(US & 8015 CC (6-12)(13-22)(23-32)	05/11/21 15:00	3	05/19/21 13:25	
8260	05/11/21 15:00	3	05/19/21 13:25	
T211549-09 VP-7-10 [Soil] Sampled 05/05/21 14:30 (GMT-08:00) Pacific Time				
(US & 8260	05/11/21 15:00	3	05/19/21 14:30	
8015 CC (6-12)(13-22)(23-32)	05/11/21 15:00	3	05/19/21 14:30	
T211549-10 VP-8-2 [Soil] Sampled 05/05/21 14:50 (GMT-08:00) Pacific Time				
(US & 8015 CC (6-12)(13-22)(23-32)	05/11/21 15:00	3	05/19/21 14:50	
8260	05/11/21 15:00	3	05/19/21 14:50	
T211549-11 COMP-3 [Soil] Sampled 05/05/21 15:15 (GMT-08:00) Pacific Time				
(US & 6010 Title 22	05/13/21 15:00	5	11/01/21 15:15	
T211549-12 VP-9-5 [Soil] Sampled 05/05/21 15:30 (GMT-08:00) Pacific Time				
(US & 8260	05/11/21 15:00	3	05/19/21 15:30	
8015 CC (6-12)(13-22)(23-32)	05/11/21 15:00	3	05/19/21 15:30	
T211549-13 VP-10-5 [Soil] Sampled 05/05/21 16:40 (GMT-08:00) Pacific Time				
(US & [NO ANALYSES]				HOLD
T211549-14 VP-10-15 [Soil] Sampled 05/05/21 16:55 (GMT-08:00) Pacific Time				
(US & 8015 CC (6-12)(13-22)(23-32)	05/11/21 15:00	3	05/19/21 16:55	
8260	05/11/21 15:00	3	05/19/21 16:55	

WORK ORDER

Printed: 5/6/2021 3:06:30PM

T211549

SunStar Laboratories, Inc.

Client: Terracon - Tustin
Project: Proposed Senior Living

Project Manager: Jeff Lee
Project Number: 60217228

Analysis	Due	TAT	Expires	Comments
T211549-15 VP-11-10 [Soil] Sampled 05/05/21 17:44 (GMT-08:00) Pacific Time HOLD				
(US &				
[NO ANALYSES]				
T211549-16 VP-11-15 [Soil] Sampled 05/05/21 17:50 (GMT-08:00) Pacific Time				
(US &				
8015 CC (6-12)(13-22)(23-32)	05/11/21 15:00	3	05/19/21 17:50	
8260	05/11/21 15:00	3	05/19/21 17:50	
T211549-17 COMP-4 [Soil] Sampled 05/05/21 17:55 (GMT-08:00) Pacific Time				
(US &				
6010 Title 22	05/13/21 15:00	5	11/01/21 17:55	

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By _____

Date _____



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

17 May 2021

Fabio Minervini
Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin, CA 92780
RE: Proposed Senior Living

Enclosed are the results of analyses for samples received by the laboratory on 05/06/21 13:47. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jeff Lee', is shown on a light gray background.

Jeff Lee
Project Manager

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
VP-1	T211558-01	Air	05/06/21 11:18	05/06/21 13:47
VP-2	T211558-02	Air	05/06/21 11:50	05/06/21 13:47
VP-3	T211558-03	Air	05/06/21 13:28	05/06/21 13:47
VP-4	T211558-04	Air	05/06/21 13:48	05/06/21 13:47
VP-5	T211558-05	Air	05/06/21 14:28	05/06/21 13:47
VP-6	T211558-06	Air	05/06/21 15:39	05/06/21 13:47
VP-7	T211558-07	Air	05/06/21 16:46	05/06/21 13:47
VP-8	T211558-08	Air	05/06/21 17:24	05/06/21 13:47
VP-9	T211558-09	Air	05/06/21 18:29	05/06/21 13:47
VP-10	T211558-10	Air	05/06/21 19:07	05/06/21 13:47

Sample #5 "VP-5" was analyzed by the due to instrumentation issues, the data was unreportable and all samples are used.
TO-15 screening data is reported for sample #5. JL 5/17/21

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

DETECTIONS SUMMARY

Sample ID: VP-1

Laboratory ID: T211558-01

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
1,1-Difluoroethane (Freon 152)	3.5		ug/m ³ Air	TO-15	
Acetone	110	12	ug/m ³ Air	TO-15	
1,3-Butadiene	10	4.5	ug/m ³ Air	TO-15	
Isopropyl alcohol	15	13	ug/m ³ Air	TO-15	
Hexane	5.4	3.6	ug/m ³ Air	TO-15	
1,3-Dichlorobenzene	12	31	ug/m ³ Air	TO-15	J
Tetrachloroethene	5.9	6.9	ug/m ³ Air	TO-15	J
2-Butanone (MEK)	22	15	ug/m ³ Air	TO-15	
Methyl isobutyl ketone	7.6	42	ug/m ³ Air	TO-15	J
Benzene	3.5	3.3	ug/m ³ Air	TO-15	
Toluene	11	3.8	ug/m ³ Air	TO-15	
m,p-Xylene	8.7	8.8	ug/m ³ Air	TO-15	J

Sample ID: VP-2

Laboratory ID: T211558-02

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	130	12	ug/m ³ Air	TO-15	
1,3-Butadiene	22	4.5	ug/m ³ Air	TO-15	
Carbon Disulfide	3.4	3.2	ug/m ³ Air	TO-15	
Isopropyl alcohol	16	13	ug/m ³ Air	TO-15	
Chloromethane	3.8	11	ug/m ³ Air	TO-15	J
Hexane	5.5	3.6	ug/m ³ Air	TO-15	
1,3-Dichlorobenzene	19	31	ug/m ³ Air	TO-15	J
Tetrachloroethene	21	6.9	ug/m ³ Air	TO-15	
2-Butanone (MEK)	41	15	ug/m ³ Air	TO-15	
Methyl isobutyl ketone	23	42	ug/m ³ Air	TO-15	J
Benzene	7.1	3.3	ug/m ³ Air	TO-15	
Toluene	21	3.8	ug/m ³ Air	TO-15	
m,p-Xylene	11	8.8	ug/m ³ Air	TO-15	

SunStar Laboratories, Inc.

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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

Sample ID: VP-3

Laboratory ID: T211558-03

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	190	12	ug/m ³ Air	TO-15	
1,3-Butadiene	6.0	4.5	ug/m ³ Air	TO-15	
Carbon Disulfide	13	3.2	ug/m ³ Air	TO-15	
Isopropyl alcohol	8.9	13	ug/m ³ Air	TO-15	J
Chloromethane	3.2	11	ug/m ³ Air	TO-15	J
Heptane	4.6	4.2	ug/m ³ Air	TO-15	
Hexane	31	3.6	ug/m ³ Air	TO-15	
1,3-Dichlorobenzene	9.5	31	ug/m ³ Air	TO-15	J
4-Ethyltoluene	1.3	5.0	ug/m ³ Air	TO-15	J
Styrene	4.9	4.3	ug/m ³ Air	TO-15	
2-Butanone (MEK)	56	15	ug/m ³ Air	TO-15	
Methyl isobutyl ketone	10	42	ug/m ³ Air	TO-15	J
Benzene	22	3.3	ug/m ³ Air	TO-15	
Toluene	190	3.8	ug/m ³ Air	TO-15	
Ethylbenzene	15	4.4	ug/m ³ Air	TO-15	
m,p-Xylene	42	8.8	ug/m ³ Air	TO-15	
o-Xylene	12	4.4	ug/m ³ Air	TO-15	

Sample ID: VP-4

Laboratory ID: T211558-04

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
1,1-Difluoroethane (Freon 152)	7.3		ug/m ³ Air	TO-15	
Acetone	96	12	ug/m ³ Air	TO-15	
1,3-Butadiene	6.3	4.5	ug/m ³ Air	TO-15	
Carbon Disulfide	3.5	3.2	ug/m ³ Air	TO-15	
Isopropyl alcohol	12	13	ug/m ³ Air	TO-15	J
Hexane	19	3.6	ug/m ³ Air	TO-15	
1,3-Dichlorobenzene	12	31	ug/m ³ Air	TO-15	J
Tetrahydrofuran	33	3.0	ug/m ³ Air	TO-15	
1,2,4-Trimethylbenzene	9.4	5.0	ug/m ³ Air	TO-15	
2-Butanone (MEK)	88	15	ug/m ³ Air	TO-15	
Methyl isobutyl ketone	31	42	ug/m ³ Air	TO-15	J
Toluene	74	3.8	ug/m ³ Air	TO-15	
Ethylbenzene	9.4	4.4	ug/m ³ Air	TO-15	
m,p-Xylene	38	8.8	ug/m ³ Air	TO-15	
o-Xylene	12	4.4	ug/m ³ Air	TO-15	

SunStar Laboratories, Inc.

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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

Sample ID: VP-5

Laboratory ID: T211558-05

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Toluene	91	190	ug/m ³ Air	TO-15	J

Sample ID: VP-6

Laboratory ID: T211558-06

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	170	12	ug/m ³ Air	TO-15	
1,3-Butadiene	88	4.5	ug/m ³ Air	TO-15	
Carbon Disulfide	9.1	3.2	ug/m ³ Air	TO-15	
Isopropyl alcohol	10	13	ug/m ³ Air	TO-15	J
Chloroform	8.4	5.0	ug/m ³ Air	TO-15	
Cyclohexane	5.9	3.5	ug/m ³ Air	TO-15	
Heptane	7.8	4.2	ug/m ³ Air	TO-15	
Hexane	27	3.6	ug/m ³ Air	TO-15	
1,3-Dichlorobenzene	8.5	31	ug/m ³ Air	TO-15	J
Styrene	2.0	4.3	ug/m ³ Air	TO-15	J
Tetrahydrofuran	40	3.0	ug/m ³ Air	TO-15	
Tetrachloroethene	72	6.9	ug/m ³ Air	TO-15	
Trichloroethene	7.7	5.5	ug/m ³ Air	TO-15	
2-Butanone (MEK)	120	15	ug/m ³ Air	TO-15	
Benzene	16	3.3	ug/m ³ Air	TO-15	
Toluene	21	3.8	ug/m ³ Air	TO-15	
Ethylbenzene	5.1	4.4	ug/m ³ Air	TO-15	
m,p-Xylene	10	8.8	ug/m ³ Air	TO-15	
o-Xylene	4.2	4.4	ug/m ³ Air	TO-15	J

Sample ID: VP-7

Laboratory ID: T211558-07

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	170	12	ug/m ³ Air	TO-15	
1,3-Butadiene	19	4.5	ug/m ³ Air	TO-15	
Carbon Disulfide	3.2	3.2	ug/m ³ Air	TO-15	
Isopropyl alcohol	26	13	ug/m ³ Air	TO-15	
Hexane	8.0	3.6	ug/m ³ Air	TO-15	
1,3-Dichlorobenzene	7.8	31	ug/m ³ Air	TO-15	J
Tetrahydrofuran	50	3.0	ug/m ³ Air	TO-15	

SunStar Laboratories, Inc.

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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

Sample ID: VP-7 **Laboratory ID:** T211558-07

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Tetrachloroethene	200	6.9	ug/m ³ Air	TO-15	
Trichloroethene	7.4	5.5	ug/m ³ Air	TO-15	
2-Butanone (MEK)	180	15	ug/m ³ Air	TO-15	
Methyl isobutyl ketone	60	42	ug/m ³ Air	TO-15	
Benzene	7.1	3.3	ug/m ³ Air	TO-15	
Toluene	8.9	3.8	ug/m ³ Air	TO-15	

Sample ID: VP-8 **Laboratory ID:** T211558-08

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	100	12	ug/m ³ Air	TO-15	
1,3-Butadiene	7.1	4.5	ug/m ³ Air	TO-15	
Isopropyl alcohol	10	13	ug/m ³ Air	TO-15	J
Hexane	13	3.6	ug/m ³ Air	TO-15	
1,3-Dichlorobenzene	7.4	31	ug/m ³ Air	TO-15	J
Tetrahydrofuran	25	3.0	ug/m ³ Air	TO-15	
Tetrachloroethene	900	6.9	ug/m ³ Air	TO-15	
2-Butanone (MEK)	91	15	ug/m ³ Air	TO-15	
Methyl isobutyl ketone	22	42	ug/m ³ Air	TO-15	J
Benzene	3.7	3.3	ug/m ³ Air	TO-15	
Toluene	100	3.8	ug/m ³ Air	TO-15	
Ethylbenzene	7.7	4.4	ug/m ³ Air	TO-15	
m,p-Xylene	27	8.8	ug/m ³ Air	TO-15	
o-Xylene	7.9	4.4	ug/m ³ Air	TO-15	

Sample ID: VP-9 **Laboratory ID:** T211558-09

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	120	12	ug/m ³ Air	TO-15	
1,3-Butadiene	7.1	4.5	ug/m ³ Air	TO-15	
Isopropyl alcohol	9.5	13	ug/m ³ Air	TO-15	J
Chloroform	8.7	5.0	ug/m ³ Air	TO-15	
1,3-Dichlorobenzene	5.7	31	ug/m ³ Air	TO-15	J
Tetrahydrofuran	11	3.0	ug/m ³ Air	TO-15	
Tetrachloroethene	860	6.9	ug/m ³ Air	TO-15	

SunStar Laboratories, Inc.

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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

Sample ID: VP-9

Laboratory ID: T211558-09

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Trichloroethene	14	5.5	ug/m ³ Air	TO-15	
2-Butanone (MEK)	52	15	ug/m ³ Air	TO-15	
Methyl isobutyl ketone	13	42	ug/m ³ Air	TO-15	J

Sample ID: VP-10

Laboratory ID: T211558-10

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Acetone	91	12	ug/m ³ Air	TO-15	
1,3-Butadiene	5.1	4.5	ug/m ³ Air	TO-15	
Carbon Disulfide	15	3.2	ug/m ³ Air	TO-15	
Isopropyl alcohol	8.7	13	ug/m ³ Air	TO-15	J
Hexane	6.9	3.6	ug/m ³ Air	TO-15	
Tetrahydrofuran	13	3.0	ug/m ³ Air	TO-15	
Tetrachloroethene	500	6.9	ug/m ³ Air	TO-15	
2-Butanone (MEK)	59	15	ug/m ³ Air	TO-15	
Methyl isobutyl ketone	14	42	ug/m ³ Air	TO-15	J
Toluene	3.4	3.8	ug/m ³ Air	TO-15	J

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-1

T211558-01(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

1,1-Difluoroethane (Freon 152)	3.5			ug/m ³ Air	1.75	1051034	05/10/21	05/12/21	TO-15	
Acetone	110	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	10	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	15	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
Hexane	5.4	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	12	0.43	31	"	"	"	"	"	"	J
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-1

T211558-01(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	0.079	27	ug/m³ Air	1.75	1051034	05/10/21	05/12/21	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
Tetrachloroethene	5.9	0.21	6.9	"	"	"	"	"	"	J
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
2-Butanone (MEK)	22	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	7.6	0.14	42	"	"	"	"	"	"	J
Benzene	3.5	0.14	3.3	"	"	"	"	"	"	
Toluene	11	0.14	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	0.14	4.4	"	"	"	"	"	"	
m,p-Xylene	8.7	0.20	8.8	"	"	"	"	"	"	J
o-Xylene	ND	0.085	4.4	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			99.2 %	59.2-130	"	"	"	"	"	

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-2

T211558-02(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

1,1-Difluoroethane (Freon 152)	0.0			ug/m ³ Air	1.97	1051034	05/10/21	05/12/21	TO-15	
Acetone	130	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	22	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	3.4	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	16	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	3.8	0.46	11	"	"	"	"	"	"	J
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
Hexane	5.5	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	19	0.43	31	"	"	"	"	"	"	J
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	
Methylene chloride	ND	0.079	27	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-2

T211558-02(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Styrene	ND	0.19	4.3	ug/m ³ Air	1.97	1051034	05/10/21	05/12/21	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
Tetrachloroethene	21	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
2-Butanone (MEK)	41	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	23	0.14	42	"	"	"	"	"	"	J
Benzene	7.1	0.14	3.3	"	"	"	"	"	"	
Toluene	21	0.14	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	0.14	4.4	"	"	"	"	"	"	
m,p-Xylene	11	0.20	8.8	"	"	"	"	"	"	
o-Xylene	ND	0.085	4.4	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			99.6 %	59.2-130	"	"	"	"	"	

Terracon - Tustin
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Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-3

T211558-03(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

1,1-Difluoroethane (Freon 152)	0.0			ug/m ³ Air	1.68	1051034	05/10/21	05/12/21	TO-15	
Acetone	190	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	6.0	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	13	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	8.9	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	3.2	0.46	11	"	"	"	"	"	"	J
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
Heptane	4.6	0.15	4.2	"	"	"	"	"	"	
Hexane	31	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	9.5	0.43	31	"	"	"	"	"	"	J
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	1.3	0.25	5.0	"	"	"	"	"	"	J
Methylene chloride	ND	0.079	27	"	"	"	"	"	"	

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1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-3

T211558-03(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Styrene	4.9	0.19	4.3	ug/m ³ Air	1.68	1051034	05/10/21	05/12/21	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	0.25	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
2-Butanone (MEK)	56	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	10	0.14	42	"	"	"	"	"	"	J
Benzene	22	0.14	3.3	"	"	"	"	"	"	
Toluene	190	0.14	3.8	"	"	"	"	"	"	
Ethylbenzene	15	0.14	4.4	"	"	"	"	"	"	
m,p-Xylene	42	0.20	8.8	"	"	"	"	"	"	
o-Xylene	12	0.085	4.4	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			97.6 %	59.2-130		"	"	"	"	

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-4

T211558-04(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

1,1-Difluoroethane (Freon 152)	7.3			ug/m ³ Air	1.95	1051034	05/10/21	05/12/21	TO-15	
Acetone	96	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	6.3	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	3.5	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	12	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
Hexane	19	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	12	0.43	31	"	"	"	"	"	"	J
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	
Methylene chloride	ND	0.079	27	"	"	"	"	"	"	

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Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-4

T211558-04(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Styrene	ND	0.19	4.3	ug/m ³ Air	1.95	1051034	05/10/21	05/12/21	TO-15	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	33	0.25	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	9.4	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
2-Butanone (MEK)	88	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	31	0.14	42	"	"	"	"	"	"	J
Benzene	ND	0.14	3.3	"	"	"	"	"	"	
Toluene	74	0.14	3.8	"	"	"	"	"	"	
Ethylbenzene	9.4	0.14	4.4	"	"	"	"	"	"	
m,p-Xylene	38	0.20	8.8	"	"	"	"	"	"	
o-Xylene	12	0.085	4.4	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			93.2 %	59.2-130		"	"	"	"	

Terracon - Tustin
1421 Edinger Avenue, Suite C
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Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-5

T211558-05(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15									AO-1, TO-15 High	
1,1-Difluoroethane (Freon 152)	0.0			ug/m ³ Air	1.89	1051034	05/10/21	05/10/21	TO-15	
Acetone	ND	17	120	"	"	"	"	"	"	
1,3-Butadiene	ND	8.3	110	"	"	"	"	"	"	
Carbon Disulfide	ND	11	160	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	20	390	"	"	"	"	"	"	
Isopropyl alcohol	ND	22	130	"	"	"	"	"	"	
Bromodichloromethane	ND	15	340	"	"	"	"	"	"	
Bromoform	ND	26	530	"	"	"	"	"	"	
Bromomethane	ND	15	200	"	"	"	"	"	"	
Carbon tetrachloride	ND	12	320	"	"	"	"	"	"	
Chlorobenzene	ND	5.6	230	"	"	"	"	"	"	
Chloroethane	ND	11	130	"	"	"	"	"	"	
Chloroform	ND	9.4	250	"	"	"	"	"	"	
Chloromethane	ND	7.4	110	"	"	"	"	"	"	
Cyclohexane	ND	12	170	"	"	"	"	"	"	
Heptane	ND	21	210	"	"	"	"	"	"	
Hexane	ND	10	180	"	"	"	"	"	"	
Dibromochloromethane	ND	24	430	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	13	390	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	18	310	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	24	310	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	22	310	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	15	250	"	"	"	"	"	"	
1,1-Dichloroethane	ND	10	210	"	"	"	"	"	"	
1,2-Dichloroethane	ND	14	210	"	"	"	"	"	"	
1,1-Dichloroethene	ND	6.5	200	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	9.7	200	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	13	200	"	"	"	"	"	"	
1,2-Dichloropropane	ND	24	240	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	13	230	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	8.3	230	"	"	"	"	"	"	
4-Ethyltoluene	ND	15	250	"	"	"	"	"	"	

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Terracon - Tustin
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Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-5

T211558-05(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15									AO-1, TO-15 High
Methylene chloride	ND	17	180	ug/m ³ Air	1.89	1051034	05/10/21	05/10/21	TO-15
Styrene	ND	13	220	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	19	350	"	"	"	"	"	"
Tetrahydrofuran	ND	15	150	"	"	"	"	"	"
Tetrachloroethene	ND	19	350	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	12	280	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	11	280	"	"	"	"	"	"
Trichloroethene	ND	8.7	270	"	"	"	"	"	"
Trichlorofluoromethane	ND	13	290	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	15	250	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	15	250	"	"	"	"	"	"
Vinyl acetate	ND	9.7	180	"	"	"	"	"	"
Vinyl chloride	ND	9.6	130	"	"	"	"	"	"
1,4-Dioxane	ND	59	180	"	"	"	"	"	"
2-Butanone (MEK)	ND	11	150	"	"	"	"	"	"
Methyl isobutyl ketone	ND	50	210	"	"	"	"	"	"
Benzene	ND	4.9	160	"	"	"	"	"	"
Toluene	91	11	190	"	"	"	"	"	" J
Ethylbenzene	ND	10	220	"	"	"	"	"	"
m,p-Xylene	ND	15	220	"	"	"	"	"	"
o-Xylene	ND	9.3	220	"	"	"	"	"	"

Surrogate: 4-Bromofluorobenzene 97.3 % 59.2-130 " " " "

SunStar Laboratories, Inc.

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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-6

T211558-06(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

1,1-Difluoroethane (Freon 152)	0.0			ug/m ³ Air	1.76	1051034	05/10/21	05/13/21	TO-15	
Acetone	170	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	88	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	9.1	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	10	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	8.4	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	5.9	0.16	3.5	"	"	"	"	"	"	
Heptane	7.8	0.15	4.2	"	"	"	"	"	"	
Hexane	27	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	8.5	0.43	31	"	"	"	"	"	"	J
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	
Methylene chloride	ND	0.079	27	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-6

T211558-06(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Styrene	2.0	0.19	4.3	ug/m ³ Air	1.76	1051034	05/10/21	05/13/21	TO-15	J
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	40	0.25	3.0	"	"	"	"	"	"	
Tetrachloroethene	72	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	7.7	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
2-Butanone (MEK)	120	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	0.14	42	"	"	"	"	"	"	
Benzene	16	0.14	3.3	"	"	"	"	"	"	
Toluene	21	0.14	3.8	"	"	"	"	"	"	
Ethylbenzene	5.1	0.14	4.4	"	"	"	"	"	"	
m,p-Xylene	10	0.20	8.8	"	"	"	"	"	"	
o-Xylene	4.2	0.085	4.4	"	"	"	"	"	"	J
<i>Surrogate: 4-Bromofluorobenzene</i>			99.7 %	59.2-130	"	"	"	"	"	

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-7

T211558-07(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

1,1-Difluoroethane (Freon 152)	0.0			ug/m ³ Air	1.94	1051034	05/10/21	05/13/21	TO-15	
Acetone	170	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	19	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	3.2	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	26	0.55	13	"	"	"	"	"	"	
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
Hexane	8.0	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	7.8	0.43	31	"	"	"	"	"	"	J
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	

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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-7

T211558-07(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	0.079	27	ug/m ³ Air	1.94	1051034	05/10/21	05/13/21	TO-15
Styrene	ND	0.19	4.3	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"
Tetrahydrofuran	50	0.25	3.0	"	"	"	"	"	"
Tetrachloroethene	200	0.21	6.9	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"
Trichloroethene	7.4	0.21	5.5	"	"	"	"	"	"
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	0.33	5.0	"	"	"	"	"	"
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"
2-Butanone (MEK)	180	0.45	15	"	"	"	"	"	"
Methyl isobutyl ketone	60	0.14	42	"	"	"	"	"	"
Benzene	7.1	0.14	3.3	"	"	"	"	"	"
Toluene	8.9	0.14	3.8	"	"	"	"	"	"
Ethylbenzene	ND	0.14	4.4	"	"	"	"	"	"
m,p-Xylene	ND	0.20	8.8	"	"	"	"	"	"
o-Xylene	ND	0.085	4.4	"	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene			97.2 %	59.2-130	"	"	"	"	"

SunStar Laboratories, Inc.

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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-8

T211558-08(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

1,1-Difluoroethane (Freon 152)	0.0			ug/m ³ Air	1.86	1051034	05/10/21	05/13/21	TO-15	
Acetone	100	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	7.1	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	10	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
Hexane	13	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	7.4	0.43	31	"	"	"	"	"	"	J
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	

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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-8

T211558-08(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	0.079	27	ug/m ³ Air	1.86	1051034	05/10/21	05/13/21	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	25	0.25	3.0	"	"	"	"	"	"	
Tetrachloroethene	900	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
2-Butanone (MEK)	91	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	22	0.14	42	"	"	"	"	"	"	J
Benzene	3.7	0.14	3.3	"	"	"	"	"	"	
Toluene	100	0.14	3.8	"	"	"	"	"	"	
Ethylbenzene	7.7	0.14	4.4	"	"	"	"	"	"	
m,p-Xylene	27	0.20	8.8	"	"	"	"	"	"	
o-Xylene	7.9	0.085	4.4	"	"	"	"	"	"	

Surrogate: 4-Bromofluorobenzene

98.5 %

59.2-130

"

"

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"

SunStar Laboratories, Inc.

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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-9

T211558-09(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

1,1-Difluoroethane (Freon 152)	0.0			ug/m ³ Air	1.83	1051034	05/10/21	05/13/21	TO-15	
Acetone	120	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	7.1	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	9.5	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	8.7	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
Hexane	ND	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	5.7	0.43	31	"	"	"	"	"	"	J
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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.



Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-9

T211558-09(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	0.079	27	ug/m ³ Air	1.83	1051034	05/10/21	05/13/21	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	11	0.25	3.0	"	"	"	"	"	"	
Tetrachloroethene	860	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	14	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
2-Butanone (MEK)	52	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	13	0.14	42	"	"	"	"	"	"	J
Benzene	ND	0.14	3.3	"	"	"	"	"	"	
Toluene	ND	0.14	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	0.14	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	0.20	8.8	"	"	"	"	"	"	
o-Xylene	ND	0.085	4.4	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene			97.3 %	59.2-130		"	"	"	"	

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-10

T211558-10(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

1,1-Difluoroethane (Freon 152)	0.0			ug/m ³ Air	1.72	1051034	05/10/21	05/13/21	TO-15	
Acetone	91	0.49	12	"	"	"	"	"	"	
1,3-Butadiene	5.1	0.29	4.5	"	"	"	"	"	"	
Carbon Disulfide	15	0.22	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"	"	"	"	"	"	
Isopropyl alcohol	8.7	0.55	13	"	"	"	"	"	"	J
Bromodichloromethane	ND	0.16	6.8	"	"	"	"	"	"	
Bromoform	ND	0.23	11	"	"	"	"	"	"	
Bromomethane	ND	0.55	20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.055	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	0.098	4.7	"	"	"	"	"	"	
Chloroethane	ND	0.35	2.7	"	"	"	"	"	"	
Chloroform	ND	0.15	5.0	"	"	"	"	"	"	
Chloromethane	ND	0.46	11	"	"	"	"	"	"	
Cyclohexane	ND	0.16	3.5	"	"	"	"	"	"	
Heptane	ND	0.15	4.2	"	"	"	"	"	"	
Hexane	6.9	0.43	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	0.26	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.36	31	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.43	31	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.44	31	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.18	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.23	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.16	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.28	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.25	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.22	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.13	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.21	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	0.25	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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.



Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

VP-10

T211558-10(Air)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

TO-15

Methylene chloride	ND	0.079	27	ug/m ³ Air	1.72	1051034	05/10/21	05/13/21	TO-15	
Styrene	ND	0.19	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"	"	"	"	"	"	
Tetrahydrofuran	13	0.25	3.0	"	"	"	"	"	"	
Tetrachloroethene	500	0.21	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.19	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.24	5.6	"	"	"	"	"	"	
Trichloroethene	ND	0.21	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.24	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.33	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	0.18	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	0.052	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	0.97	18	"	"	"	"	"	"	
2-Butanone (MEK)	59	0.45	15	"	"	"	"	"	"	
Methyl isobutyl ketone	14	0.14	42	"	"	"	"	"	"	J
Benzene	ND	0.14	3.3	"	"	"	"	"	"	
Toluene	3.4	0.14	3.8	"	"	"	"	"	"	J
Ethylbenzene	ND	0.14	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	0.20	8.8	"	"	"	"	"	"	
o-Xylene	ND	0.085	4.4	"	"	"	"	"	"	
<hr/>										
Surrogate: 4-Bromofluorobenzene			99.6 %	59.2-130		"	"	"	"	

SunStar Laboratories, Inc.

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.



Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

TO-15 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1051034 - Canister Analysis

Blank (1051034-BLK1)

Prepared: 05/10/21 Analyzed: 05/12/21

Surrogate: 4-Bromofluorobenzene	355			ug/m ³ Air	362		98.0	59.2-130			
1,1-Difluoroethane (Freon 152)	0.00			"							
Acetone	ND	0.49	12	"							
1,3-Butadiene	ND	0.29	4.5	"							
Carbon Disulfide	ND	0.22	3.2	"							
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"							
Isopropyl alcohol	ND	0.55	13	"							
Bromodichloromethane	ND	0.16	6.8	"							
Bromoform	ND	0.23	11	"							
Bromomethane	ND	0.55	20	"							
Carbon tetrachloride	ND	0.055	6.4	"							
Chlorobenzene	ND	0.098	4.7	"							
Chloroethane	ND	0.35	2.7	"							
Chloroform	ND	0.15	5.0	"							
Chloromethane	ND	0.46	11	"							
Cyclohexane	ND	0.16	3.5	"							
Heptane	ND	0.15	4.2	"							
Hexane	ND	0.43	3.6	"							
Dibromochloromethane	ND	0.26	8.7	"							
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"							
1,2-Dichlorobenzene	ND	0.36	31	"							
1,3-Dichlorobenzene	ND	0.43	31	"							
1,4-Dichlorobenzene	ND	0.44	31	"							
Dichlorodifluoromethane	ND	0.18	5.0	"							
1,1-Dichloroethane	ND	0.23	4.1	"							
1,2-Dichloroethane	ND	0.16	4.1	"							

SunStar Laboratories, Inc.

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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

TO-15 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1051034 - Canister Analysis

Blank (1051034-BLK1)

Prepared: 05/10/21 Analyzed: 05/12/21

1,1-Dichloroethene	ND	0.28	4.0	ug/m³ Air
cis-1,2-Dichloroethene	ND	0.25	4.0	"
trans-1,2-Dichloroethene	ND	0.22	4.0	"
1,2-Dichloropropane	ND	0.13	4.7	"
cis-1,3-Dichloropropene	ND	0.21	4.6	"
trans-1,3-Dichloropropene	ND	0.21	4.6	"
4-Ethyltoluene	ND	0.25	5.0	"
Methylene chloride	ND	0.079	27	"
Styrene	ND	0.19	4.3	"
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"
Tetrahydrofuran	ND	0.25	3.0	"
Tetrachloroethene	ND	0.21	6.9	"
1,1,2-Trichloroethane	ND	0.19	5.6	"
1,1,1-Trichloroethane	ND	0.24	5.6	"
Trichloroethene	ND	0.21	5.5	"
Trichlorofluoromethane	ND	0.24	5.7	"
1,3,5-Trimethylbenzene	ND	0.49	5.0	"
1,2,4-Trimethylbenzene	ND	0.33	5.0	"
Vinyl acetate	ND	0.18	3.6	"
Vinyl chloride	ND	0.052	2.6	"
1,4-Dioxane	ND	0.97	18	"
2-Butanone (MEK)	ND	0.45	15	"
Methyl isobutyl ketone	ND	0.14	42	"
Benzene	ND	0.14	3.3	"
Toluene	ND	0.14	3.8	"
Ethylbenzene	ND	0.14	4.4	"
m,p-Xylene	ND	0.20	8.8	"

SunStar Laboratories, Inc.

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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

TO-15 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1051034 - Canister Analysis

Blank (1051034-BLK1)

Prepared: 05/10/21 Analyzed: 05/12/21

o-Xylene ND 0.085 4.4 ug/m³ Air

Duplicate (1051034-DUP1)

Source: T211558-01

Prepared: 05/10/21 Analyzed: 05/12/21

Surrogate: 4-Bromofluorobenzene	342			ug/m ³ Air	362		94.6	59.2-130			
1,1-Difluoroethane (Freon 152)	4.09			"		3.51			15.2	30	
Acetone	113	0.49	12	"		108			4.78	30	
1,3-Butadiene	10.7	0.29	4.5	"		10.3			4.49	30	
Carbon Disulfide	ND	0.22	3.2	"		ND				30	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	0.26	7.7	"		ND				30	
Isopropyl alcohol	13.7	0.55	13	"		14.5			6.21	30	
Bromodichloromethane	ND	0.16	6.8	"		ND				30	
Bromoform	ND	0.23	11	"		ND				30	
Bromomethane	ND	0.55	20	"		ND				30	
Carbon tetrachloride	ND	0.055	6.4	"		ND				30	
Chlorobenzene	ND	0.098	4.7	"		ND				30	
Chloroethane	ND	0.35	2.7	"		ND				30	
Chloroform	ND	0.15	5.0	"		ND				30	
Chloromethane	ND	0.46	11	"		ND				30	
Cyclohexane	ND	0.16	3.5	"		ND				30	
Heptane	ND	0.15	4.2	"		ND				30	
Hexane	5.20	0.43	3.6	"		5.39			3.55	30	
Dibromochloromethane	ND	0.26	8.7	"		ND				30	
1,2-Dibromoethane (EDB)	ND	0.18	7.8	"		ND				30	
1,2-Dichlorobenzene	ND	0.36	31	"		ND				30	
1,3-Dichlorobenzene	12.4	0.43	31	"		12.4			0.00	30	J
1,4-Dichlorobenzene	ND	0.44	31	"		ND				30	
Dichlorodifluoromethane	ND	0.18	5.0	"		ND				30	

SunStar Laboratories, Inc.

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25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

TO-15 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1051034 - Canister Analysis

Duplicate (1051034-DUP1)		Source: T211558-01			Prepared: 05/10/21		Analyzed: 05/12/21				
1,1-Dichloroethane	ND	0.23	4.1	ug/m³ Air		ND				30	
1,2-Dichloroethane	ND	0.16	4.1	"		ND				30	
1,1-Dichloroethene	ND	0.28	4.0	"		ND				30	
cis-1,2-Dichloroethene	ND	0.25	4.0	"		ND				30	
trans-1,2-Dichloroethene	ND	0.22	4.0	"		ND				30	
1,2-Dichloropropane	ND	0.13	4.7	"		ND				30	
cis-1,3-Dichloropropene	ND	0.21	4.6	"		ND				30	
trans-1,3-Dichloropropene	ND	0.21	4.6	"		ND				30	
4-Ethyltoluene	ND	0.25	5.0	"		ND				30	
Methylene chloride	ND	0.079	27	"		ND				30	
Styrene	ND	0.19	4.3	"		ND				30	
1,1,2,2-Tetrachloroethane	ND	0.54	7.0	"		ND				30	
Tetrahydrofuran	ND	0.25	3.0	"		ND				30	
Tetrachloroethene	6.16	0.21	6.9	"		5.92			4.00	30	J
1,1,2-Trichloroethane	ND	0.19	5.6	"		ND				30	
1,1,1-Trichloroethane	ND	0.24	5.6	"		ND				30	
Trichloroethene	ND	0.21	5.5	"		ND				30	
Trichlorofluoromethane	ND	0.24	5.7	"		ND				30	
1,3,5-Trimethylbenzene	ND	0.49	5.0	"		ND				30	
1,2,4-Trimethylbenzene	ND	0.33	5.0	"		ND				30	
Vinyl acetate	ND	0.18	3.6	"		ND				30	
Vinyl chloride	ND	0.052	2.6	"		ND				30	
1,4-Dioxane	ND	0.97	18	"		ND				30	
2-Butanone (MEK)	21.8	0.45	15	"		22.3			2.62	30	
Methyl isobutyl ketone	6.92	0.14	42	"		7.65			10.0	30	J
Benzene	3.70	0.14	3.3	"		3.53			4.72	30	
Toluene	10.3	0.14	3.8	"		10.7			3.82	30	

SunStar Laboratories, Inc.

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25712 Commercentre Drive
Lake Forest, California 92630
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Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

TO-15 - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1051034 - Canister Analysis

Duplicate (1051034-DUP1)		Source: T211558-01			Prepared: 05/10/21 Analyzed: 05/12/21						
Ethylbenzene	ND	0.14	4.4	ug/m³ Air	ND					30	
m,p-Xylene	8.43	0.20	8.8	"	8.74				3.60	30	J
o-Xylene	ND	0.085	4.4	"	ND					30	

SunStar Laboratories, Inc.

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.

Terracon - Tustin
1421 Edinger Avenue, Suite C
Tustin CA, 92780

Project: Proposed Senior Living
Project Number: 60217228
Project Manager: Fabio Minervini

Reported:
05/17/21 17:23

Notes and Definitions

TO-15 High TO-15 analysis of sample was analyzed using an elevated calibration range due to high analyte and/or background concentrations. The reporting limit has been adjusted accordingly.

J Detected but below the Standard Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

AO-1 Due to instrument computer issues, TO-15 high level run cannot be reported, reporting sample results form TO-15 high level instead

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the Method Detection Limit (MDL)

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Terracon

Consulting Engineers & Scientists

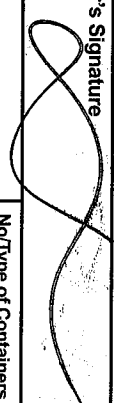
Office Location 1421 Edinger AveAt Tustin CAProject Manager Tom XSampler's Name Joe MartinLaboratory: Sunstar

Address: _____

Contact: _____

Phone: _____

PO/ISO #: _____

Sampler's Signature Proj. No. 00217228Project Name Proposed Senior Living Development 1421No./Type of Containers 480

Matrix	Date	Time	C o m p	G f a b	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1L	250 ml	P/O
S6	S-6-11	11:18		X	VP-1						
		11:50			VP-2						
		13:29			VP-3						
		13:48			VP-4						
		14:28			VP-5						
		15:39			VP-6						
		16:46			VP-7						
		17:29			VP-8						
		18:21			VP-9						
		19:07			VP-10						

Lab Sample ID (Lab Use Only)

SSAT 0744 -36

SSAT 0486 -36

0874 -29

022 -36

0431 -29

0489 -30

0624 -30

0784 -29

0796 -29

0415 -29

ANALYSIS REQUESTED

Lab use only

Due Date:

TZ 11558

Temp. of coolers when received (C°):

1	2	3	4	5
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Page 1 of 1

Turn around time ☐ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)

Date: 5/6/21 Time: 12:58Received by: (Signature) Joe MartinDate: 5/6/21 Time: 12:58

NOTES:

Relinquished by (Signature)

Date: 5/6/21 Time: 13:47Received by: (Signature) Joe MartinDate: 5/6/21 Time: 13:47

Relinquished by (Signature)

Date: _____ Time: _____

Received by: (Signature)

Date: _____ Time: _____

Relinquished by (Signature)

Date: _____ Time: _____

Received by: (Signature)

Date: _____ Time: _____

Matrix Container WW - Wastewater VOA - 40 ml Vial

W - Water A/G - Amber / Or Glass 1 Liter

S - Soil SD - Solid L - Liquid 250 ml - Glass wide mouth

A - Air Bag C - Charcoal tube P/O - Plastic or other

SL - Sludge

O - Oil

500 1 Liter Sun -

Orange County Office

S-6 S-Soil

1421 Edinger Ave, Suite C Tustin, California 92780

Office (949) 261-0051 Fax (949) 261-6110

Temperature returned 4:10 PM 5/6/21 DR



SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #:

Client Name:

Terracon

Project:

Proposed Senior Living
Development - HB

Delivered by:

☐ Client

☒ SunStar Courier

☐ GLS

☐ FedEx

☐ Other

If Courier, Received by:

Date/Time Courier

Received:

Lab Received by:

JB

Date/Time Lab

Received:

5/6/21 13:47

Total number of coolers received: N/A Thermometer ID: SC-GUN Calibration due: 8/17/21

Temperature: Cooler #1	°C +/- the CF (-0.2°C) =	°C corrected temperature
Temperature: Cooler #2	°C +/- the CF (-0.2°C) =	°C corrected temperature
Temperature: Cooler #3	°C +/- the CF (-0.2°C) =	°C corrected temperature
Temperature criteria = $\leq 6^{\circ}\text{C}$ (no frozen containers)		Within criteria? ☐ Yes ☐ No ☒ N/A
If NO:		
Samples received on ice?	☐ Yes	☐ No → Complete Non-Conformance Sheet
If on ice, samples received same day collected?	☐ Yes → Acceptable	☐ No → Complete Non-Conformance Sheet

Custody seals intact on cooler/sample

☐ Yes ☐ No* ☒ N/A

Sample containers intact

☒ Yes ☐ No*

Sample labels match Chain of Custody IDs

☒ Yes ☐ No*

Total number of containers received match COC

☒ Yes ☐ No*

Proper containers received for analyses requested on COC

☒ Yes ☐ No*

Proper preservative indicated on COC/containers for analyses requested

☐ Yes ☐ No* ☒ N/A

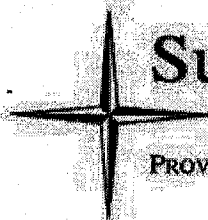
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times

☒ Yes ☐ No*

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date:

Comments:



SunStar Laboratories, Inc.

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

Project Name: HINES PROPOSED SENIOR LIVING CENTER				Rebecca	
Company: TERRACON-TUSTIN					
Name: ERIC					
Item	Quantity	Unit			
2 oz Jars 24/CS					
4 oz Jars 24/CS					
8 oz Jars 12/CS					
40 ml unpreserved VOAs 100/box					
40 ml HCL-preserved VOAs 72/box					
250 ml Poly 24/CS					
500 ml Poly 16/CS					
1 Liter Poly 12/CS					
500 ml Amber Bottle Wide 12/CS					
1 Liter Amber Bottle 12/CS					
1 Gallon Poly 4/box					
5035 kits:(2)Sodium Bisulfate VOAs 72/box					
(1) Methanol VOA 72/box					
(1)Syringe 50/pack					
Lock-N-Load Handle 1/ea					
Tedlar Bags 10/pack					
Sub Slab Insert w/ washer & N/F					
Soil Gas SS 16" Drop Tubes					
Gas Extraction Fittings					
Soil Gas Filters					
Volume of Summa	# Sent	Used	Unused	Unreturned	
Batch Certified Summa Canisters	400cc				
1L	10+1	CHARGE-10	1	0	
3L					
6L					
Purge cans					
Nitrogen cans	1L	3	NO CHARGE	?	3
Ind. Cerified Summa Cannisters	1L				
3L					
6L					
63/153 Manifolds, Var. Sampler, etc. Calibrated Correctly - Gauge Reads at 0					DB
Manifolds: Inst. Sampler, Variable Sampler, Shut In Set Ups, 150ml/mn, 63ml/mn	2 MANIFOLDS (150)		CHARGE-1		
Swagelok Fittings: Nuts/Ferrules, Ts	10 N/F		CHARGE-10		
Cooler (Sm, Med, Lrg) Number & Quantity					
Other: Poly Tube, Valves, Silicon Tape, etc.					
Prepared By:		Date: 4/14/21			
Reviewed By:		Date:			
Comments:					
Cooler Policy: Failure to return cooler(s) within 30 days of receipt or if the returned cooler(s) are in unusable condition, will result in a \$50 per cooler fee for replacement costs.					

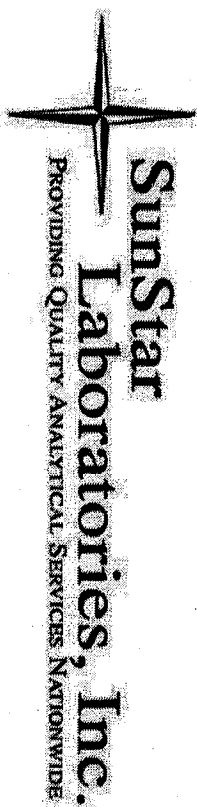
Asset Check-In Receipt

SunStar Laboratories Inc.

Check-In Date: 5/6/2021

User Name: Berner, Paul

Asset Tag	Asset Type	Serial No	Location	Customer No.	Customer Name
0278	1000cc: 1000cc Summa	0278	Sunstar Labs, Lake Forest Air Lab	Terracon-Eric	Eric J. St Michel
0415	1000cc: 1000cc Summa	0415	Sunstar Labs, Tustin Air Lab	Terracon-Eric	Eric J. St Michel
0431	1000cc: 1000cc Summa	0431	Sunstar Labs, Tustin Air Lab	Terracon-Eric	Eric J. St Michel
0486	1000cc: 1000cc Summa	0486	Sunstar Labs, Lake Forest Air Lab	Terracon-Eric	Eric J. St Michel
0489	1000cc: 1000cc Summa	0489	Sunstar Labs, Lake Forest Air Lab	Terracon-Eric	Eric J. St Michel
0744	1000cc: 1000cc Summa	0744	Sunstar Labs, SunStar Labs - South	Terracon-Eric	Eric J. St Michel
0784	1000cc: 1000cc Summa	0784	Sunstar Labs, SunStar Labs - South	Terracon-Eric	Eric J. St Michel
0796	1000cc: 1000cc Summa	0796	Sunstar Labs, SunStar Labs - South	Terracon-Eric	Eric J. St Michel
0847	1000cc: 1000cc Summa	0847	Sunstar Labs, SunStar Labs - South	Terracon-Eric	Eric J. St Michel
0863 Vapor	1000cc: 1000cc Summa	0863	Sunstar Labs, SunStar Labs - South	Terracon-Eric	Eric J. St Michel
2015	Vapor Manifold: Vapor Manifold	2015	Sunstar Labs, SunStar Labs - South	Terracon-Eric	Eric J. St Michel
3038	Vapor Manifold: Vapor Manifold	3038	Sunstar Labs, SunStar Labs - South	Terracon-Eric	Eric J. St Michel
622	1000cc: 1000cc Summa		Sunstar Labs, Tustin Air Lab	Terracon-Eric	Eric J. St Michel



Canister Data Sheet

Client: **RACON-TUSTIN ERIC** 4-30-21 14+2 HINES PROPOSED SENIOR LIVING CENTER

Vacuum Gauge: REC-3		Used to Verify:	X	SN: 145026	Calibrated On:	2/5/2020	Next Calibration Due:	2/5/2021
Vacuum Gauge: REC-4		Used to Verify:		SN: 145025	Calibrated On:	2/5/2020	Next Calibration Due:	2/5/2021
Canister Serial #	CHECK Date	Pressure (-28 to -30 InHg)	Sample ID	Sample Date	Initial Pressure	Final Pressure	Sample Start Time	Sample Finish Time
SSAT: 0431	4/30/2021	-30						
SSAT: 0744	4/30/2021	-30						
SSAT: 0784	4/30/2021	-30						
SSAT: 0486	4/30/2021	-30						
SSAT: 0847	4/30/2021	-30						
SSAT: 0622	4/30/2021	-30						
SSAT: 0796	4/30/2021	-30						
SSAT: 0489	4/30/2021	-30						
SSAT: 0278	4/30/2021	-30						
SSAT: 0415	4/30/2021	-30						
SSAT: 0184	4/30/2021	30	NITROGEN CAN					
SSAT: 0462	4/30/2021	30	NITROGEN CAN					
SSAT: 0403	4/30/2021	30	NITROGEN CAN					
SSAT: 2015	4/30/2021	N.A.	MANIFOLD (150)					
SSAT: 3038	4/30/2021	N.A.	MANIFOLD (150)					

1874

T211558

SunStar Laboratories, Inc.

Client: Terracon - Tustin
Project: Proposed Senior Living

Project Manager: Jeff Lee
Project Number: 60217228

Report To:

Terracon - Tustin
 Fabio Minervini
 1421 Edinger Avenue, Suite C
 Tustin, CA 92780
 Phone: (949) 383-1984
 Fax: (949) 660-9732

Invoice To:

Terracon - Tustin
 Fabio Minervini
 1421 Edinger Avenue, Suite C
 Tustin, CA 92780
 Phone : (949) 383-1984
 Fax: (949) 660-9732

Date Due: 05/17/21 17:00 (7 day TAT)

Received By: Jennifer Berger

Logged In By: Jeff Lee

Date Received: 05/06/21 13:47

Date Logged In: 05/07/21 10:17

Samples Received at:

Custody Seals	No	Received On Ice	No
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confir	No		

Analysis	Due	TAT	Expires	Comments
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T211558-01 VP-1 [Air] Sampled 05/06/21 11:18 (GMT-08:00) Pacific Time (US &

TO-15	05/17/21 15:00	7	06/05/21 11:18	+1,1-DFA
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T211558-02 VP-2 [Air] Sampled 05/06/21 11:50 (GMT-08:00) Pacific Time (US &

TO-15	05/17/21 15:00	7	06/05/21 11:50	+1,1-DFA
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T211558-03 VP-3 [Air] Sampled 05/06/21 13:28 (GMT-08:00) Pacific Time (US &

TO-15	05/17/21 15:00	7	06/05/21 13:28	+1,1-DFA
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T211558-04 VP-4 [Air] Sampled 05/06/21 13:48 (GMT-08:00) Pacific Time (US &

TO-15	05/17/21 15:00	7	06/05/21 13:48	+1,1-DFA
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T211558-05 VP-5 [Air] Sampled 05/06/21 14:28 (GMT-08:00) Pacific Time (US &

TO-15	05/17/21 15:00	7	06/05/21 14:28	+1,1-DFA
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T211558-06 VP-6 [Air] Sampled 05/06/21 15:39 (GMT-08:00) Pacific Time (US &

TO-15	05/17/21 15:00	7	06/05/21 15:39	+1,1-DFA
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T211558-07 VP-7 [Air] Sampled 05/06/21 16:46 (GMT-08:00) Pacific Time (US &

TO-15	05/17/21 15:00	7	06/05/21 16:46	+1,1-DFA
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WORK ORDER

Printed: 5/7/2021 10:20:33AM

T211558

SunStar Laboratories, Inc.

Client: Terracon - Tustin
Project: Proposed Senior Living

Project Manager: Jeff Lee
Project Number: 60217228

Analysis	Due	TAT	Expires	Comments
T211558-08 VP-8 [Air] Sampled 05/06/21 17:24 (GMT-08:00) Pacific Time (US &				
TO-15	05/17/21 15:00	7	06/05/21 17:24	+1,1-DFA
T211558-09 VP-9 [Air] Sampled 05/06/21 18:29 (GMT-08:00) Pacific Time (US &				
TO-15	05/17/21 15:00	7	06/05/21 18:29	+1,1-DFA
T211558-10 VP-10 [Air] Sampled 05/06/21 19:07 (GMT-08:00) Pacific Time (US &				
TO-15	05/17/21 15:00	7	06/05/21 19:07	+1,1-DFA

Reviewed By

Date