

LIMITED PHASE II SUBSURFACE INVESTIGATION AND LIMITED METHANE INVESTIGATION REPORT

Lanting Land 9032 Merrill Avenue Ontario, California 91762

August 31, 2018 Partner Project Number: 18-221385.2

Prepared for:

Prologis

Pier 1, Bay 1 San Francisco, California 94111



Engineers who understand your business



August 31, 2018

Ms. Janet Frentzel Prologis Pier 1, Bay 1 San Francisco, California 94111

Subject: Limited Phase II Subsurface Investigation and Limited Methane Investigation Report Lanting Land 9032 Merrill Avenue Ontario, California 91762 Partner Project Number: 18-221385.2

Dear Ms. Frentzel:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the assessment performed on the above-referenced property. The following report describes the field activities, methods, and findings of the Limited Phase II Subsurface Investigation and Limited Methane Investigation conducted at the abovereferenced property.

This assessment was performed utilizing methods and procedures consistent with good commercial or customary practices designed to conform to acceptable industry standards. The independent conclusions represent Partner's best professional judgment based upon existing conditions and the information and data available to us during the course of this assignment.

We appreciate the opportunity to provide these services. If you have any questions concerning this report, or if we can assist you in any other matter, please contact Misty Ponce at (818) 337-1203.

Sincerely,

Partner Engineering and Science, Inc.

Kathy hehrs

Kathy Lehnus, PG, LEP Senior Project Manager

Misty Ponce Principal



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1.0 INTRODUCTION

1.1 Purpose

Partner Engineering and Science, Inc. (Partner) performed a Phase I Environmental Site Assessment (ESA) dated August 24, 2018, for the property at 9032 Merrill Avenue in the City of Ontario, California (the Site or the subject property). In the Phase I ESA, Partner identified the historical use of the subject property as a dairy farm and current use as a truck maintenance with fueling areas and recommended sampling. The purpose of this investigation was to investigate the soil vapor on the subject property for the presence of methane in the former dairy areas, as well as volatile organic compounds (VOCs) in the past and present truck maintenance areas. Primarily this work was conducted to evaluate the potential for methane in subgrade soil gas in order to provide support for the future commercial/industrial development. Prologis provided project authorization of Partner Proposal Number P18-221385 on August 21, 2018, and the work was conducted under the Master Services Agreement between Prologis and Partner dated April 18, 2013.

1.2 Limitations

This report presents a summary of work conducted by Partner. The work includes observations of site conditions encountered and the analytical results provided by an independent third party laboratory of samples collected during the course of the project. The number and location of samples were selected to provide the required information. However, it cannot be assumed that the limited available data are representative of subsurface conditions in areas not sampled.

Conclusions and/or recommendations are based on the observations, laboratory analyses, and the governing regulations. Conclusions and/or recommendations beyond those stated and reported herein should not be inferred from this document.

Partner warrants that the environmental consulting services contained herein were accomplished in accordance with generally-accepted practices in the environmental engineering, geology, and hydrogeology fields that existed at the time and location of work. No other warranties are implied or expressed.

1.3 User Reliance

Prologis engaged Partner to perform this assessment as set forth by the Master Services Agreement between Prologis and Partner dated April 18, 2013 governing the nature, scope, and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Prologis. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be



irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

This report has been completed under specific Terms and Conditions relating to scope, relying parties, limitations of liability, indemnification, dispute resolution, and other factors relevant to any reliance on this report. Any parties relying on this report do so having accepted the Terms and Conditions for which this report was completed.



2.0 SITE BACKGROUND

2.1 Site Description

The subject property is currently occupied by two tenanted single-family residences and multiple commercial/industrial structures used by Gardner Trucking (with associated business Lanting Hay) and Fleet Yards Inc. as truck storage centers. Gardner Trucking occupies the southern half of the subject property for truck and trailer storage and service at 9032 Merrill Avenue. Trucks carrying paper products and bottled water are stored on-site for short periods or overnight and are serviced and fueled as needed. Service operations include typical maintenance, which includes oil changes, repair, washing, tire changes, parts replacement. In addition, fiberglass repair and touch-up painting are conducted. No major body painting is performed on the subject property. Fleet Yards, Inc., at 8911 Eucalyptus Avenue occupies the northern portion of the subject property, also as a truck and trailer storage lot; however, no service or fueling is performed on this portion of the subject property.

Site improvements for Gardner Trucking and Lanting Hay include a single-story, steel-framed service building connected to a three-story, steel-framed office structure and single-story break room (Main Service/Office Building); a single-story, wood-framed residence converted to an administration building (Administration Building); three storage buildings consisting of the following: a single-story, concrete masonry unit (CMU) storage building (Tire Shop); a single-story, steel-framed storage building with corrugated iron siding (Tool Shop); and a single-story, steel-framed storage building (Fiberglass Repair Shop). In addition, at least three storage structures are present at Gardner Trucking/Lanting Hay lease space consisting of two single-story, steel-framed truck shelter structures and a steel-framed paper storage structure, as well as a single-story, wood-framed single-family residence leased to a private tenant. Site improvements for Fleet Yards, Inc. include a single-story, brick and concrete former dairy building (unoccupied and dilapidated), a single-story, wood-framed single-family residence leased to a private tenant. And a modular office trailer used by Fleet Yards, Inc. The remainder of the northern portion of the subject property is gravel-paved and used for truck and trailer storage. An aboveground storage tank (AST) fueling area and truck wash station are present on the southern portion of the subject porperty.

2.2 Site History

Partner completed a *Phase I Environmental Site Assessment Report* (Phase I) dated August 24, 2018, prepared on behalf of Prologis. According to the reviewed historical sources, the subject property was previously undeveloped land circa 1902 and was utilized as orchard and agricultural land from at least 1938 to 1967. The northern and central portions of the subject property were developed between 1967 and 1975 with a dairy and associated retention pond, which was active until 2009. The former dairy structures on the northern and central portions were demolished between 2012 and 2016, with the exception of the primary dairy building and the single-family residence.

The southern portion of the subject property was first developed in 1954 with a single-family residence and two of the current shop/storage buildings on the eastern half, with additional structures added as late as 2006. The dairy operations on the northern portion of the subject property extended onto the western half of southern portion of the subject property from the 1980s through the 2000s. The northern portion of the subject property was historically occupied by members of the Oosten family and also Double O' Dairy,



Majestic Farms #2, and Inland Empire Dairy. The southern portion of the subject property was occupied by private residences as well as Ted Terpstra in 1970 (later Terpstra Construction in 1985 and 1990), and Coastal Transport Co (unknown dates) before occupied by Gardener Trucking in 1993.

The former use of the subject property as a dairy farm was considered a recognized environmental condition (REC) in the Phase I due to the potential for the build-up of methane, nitrates, and ammonia in soil from animal waste. The City of Ontario has indicated that they require mitigation measures for methane on dairy farms during redevelopment activities. In addition, the former construction yard use and current truck maintenance were noted as environmental concerns for the subject property. This Limited Phase II Subsurface Investigation and Limited Methane Investigation Report serves to assess those concerns.

2.3 Geology and Hydrogeology

The subject property is situated within the Peninsular ranges of the geomorphic province of the State of California. The Peninsular range is a series of ranges separated by northwest-trending valleys and traversed by several major active faults. The Whittier-Elsinore, San Jacinto, Newport-Inglewood, and San Andreas faults are major active fault systems located in the vicinity of the subject property. Major tectonic activity associated with these and other faults within this regional tectonic framework are typically right-lateral strike-slip movements. The Peninsular ranges extend into lower California, are bound to the east by the Colorado River, and extend into the Los Angeles Basin and the island group surrounding the continental shelf.

Based on information obtained from the USDA Natural Resources Conservation Service Web Soil Survey online database, the subject property is mapped as Delhi fine sands. A typical profile of these soils is fine sands from 0 to 18 inches and sand from 18 to 60 inches. Soils are somewhat-excessively drained, with 0 to 2 percent slopes. During Partner's investigation activities, soils encountered at the subject property were observed to generally consist of poorly-graded, fine- and medium-grained sands with trace silt as deep as 15 feet bgs.

According to topographic map interpretation, the direction of groundwater in the vicinity of the subject property is inferred to flow toward the south. The nearest surface water in the vicinity of the subject property is the Cucamonga Creek, located approximately 0.47 miles east of the subject property. No settling ponds, lagoons, surface impoundments, wetlands, or natural catch basins were observed at the subject property during this assessment.

Water is supplied to the subject property via two on-site wells. The property owner reported that to the best of his knowledge the wells are not typically sampled for water quality; however, according to file materials, sampling was performed in 2017 related to a regional trichloroethene (TCE) plume that has impacted groundwater in the vicinity of the subject property. TCE was not detected above detection limits during the 2017 sampling round.

No depth to groundwater information was identified for the on-site wells at the subject property. The nearest well with available data from the California Department of Water Resources (CDWR) is identified as Well 339689N1176279W001, located approximately 1.1 miles southwest of the subject property. Depth to groundwater has been measured in this well at approximately 70 to 85 feet below ground surface (bgs).



3.0 FIELD ACTIVITIES

The scope of the Limited Methane Investigation included the advancement of 7 soil borings (B1 through B7) for sampling soil vapor to a maximum depth of 15 feet bgs for the collection of representative soil gas grab samples for laboratory analysis.

The scope of the Limited Phase II Subsurface Investigation included the advancement of 4 soil borings (SB-8 through SB-11) for sampling soil vapor to a maximum depth of 5 feet bgs using a Geoprobe for the collection of soil gas grab samples for laboratory analysis.

Refer to Tables 1 through 3 for a tabulated summary of the borings advanced, sampling schedule, and laboratory analyses for this investigation.

Refer to Figures 2 and 3 for sample point locations with analytical results.

3.1 Preparatory Activities

Prior to the initiation of fieldwork, Partner completed the following activities.

3.1.1 Utility Clearance

Partner contacted Underground Service Alert of Southern California (USA/SC) to clear public utility lines as required by law at least 48 hours prior to drilling activities (not including the day of notification). USA/SC issued ticket number A182290967-00A for the project. In addition, Partner advanced samples by hand to a depth of at least 3 feet bgs in order to avoid damaging any shallow utilities present.

3.1.2 Permitting

No specific permits were required by regulatory oversight agencies for this limited subsurface investigation.

3.1.3 Health and Safety Plan

Partner prepared and reviewed a site-specific Health and Safety Plan with on-site personnel involved in the project prior to the commencement of drilling activities.

3.2 Drilling Equipment

Partner subcontracted with Munoz Direct Push (Munoz) to provide and operate drilling equipment to advance the environmental soil borings at the subject property. Munoz, under the direction of Partner, advanced borings SB-1 through SB-11 with a Geoprobe direct push rig (truck-mounted and limited access). Non-dedicated sampling equipment was decontaminated between sample intervals and boring locations to prevent cross-contamination.

3.3 Boring Locations

Soil borings / temporary soil gas probes B1 through B7 were installed across the subject property spaced to allow for an overall assessment of methane distributed throughout the subject property. The soil gas sampling locations were targeted within areas suspected to have a high accumulation of methane (e.g. historical ponds and pen areas).



Borings B-8 through B-11 were advanced on the southern end of the subject property in and around building structures associated with truck maintenance and fiberglass/body repair activities.

Some boring placements may have been modified based on the presence of utilities and/or access limitations by the drill rig, although the overall objectives of the sampling event were still met.

3.4 Boring Depths

For the limited methane investigation, Borings B-1, B-2, B-4, B-5, and B-7 were advanced to 7 feet bgs. A duplicate sample was collected at Boring B7 at 7 feet. Borings B3 and B6 were advanced to a depth of 15 feet bgs to assess deeper methane zones.

For the Limited Phase II ESA, Borings B-8 through B-11 were all advanced to a depth of 5 feet bgs.

3.5 Soil Sampling

Soil samples were collected from Borings B-1 through B11 using a four-foot long by 1.5-inch diameter sampler with a four-foot long acetate liner and sampling point. The sampler was advanced by the direct-push drill rig using four-foot by 1.25-inch diameter hollow rods with the inner rods in place. At approximately one foot above the desired sampling depth, an inner rod was removed and the sampler was advanced to the desired sampling depth to allow undisturbed soil to enter the sampling liner. The sampler was retrieved from the subsurface and the soil-filled liner was removed.

Each acetate liner was marked with the depths and were opened using a pipe-cutter and visually inspected for discoloration, monitored for odors, classified in accordance with the Unified Soil Classification System (Modified). They were also field-screened with a photoionization detector (PID). None of the samples exhibited extreme discoloration or odor and no elevated PID readings were encountered.

This assessment did not include the analysis of physical soil but rather soil gas.

3.6 Soil Gas Sampling

Partner contracted Jones Environmental, Inc. (Jones) to collect soil gas samples from the temporary soil gas probes. Purging was completed using a pump set at approximately 200 cubic centimeters per minute (cc/min), except if noted on the chain of custody record. Three purge volumes were used, as recommended by July 2015 Department of Toxic Substances Control (DTSC)/Regional Water Quality Control Board (RWQCB) guidance documents.

Prior to purging and sampling, probe pressure was measured with a magnehelic gauge able to reach a limit of detection of 0.1 inches of H_2O and recorded in the field logs. No probes were found to be pressurized prior to purging and sampling. A shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system, and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then collected using a glass-tight syringe and containerizing into a Tedlar bag with a sampling rate of approximately 200 cc/min, except if noted differently on the chain of custody record.

A duplicate sample was collected from Boring B7 at 7 feet bgs for quality control.



3.7 Post-Sampling Activities

Probes were removed from the subsurface and the boreholes were backfilled with hydrated bentonite chips following sampling activities.

No significant amounts of derived wastes were generated during this investigation.



4.0 LABORATORY ANALYSIS

4.1 Laboratory Analysis

Jones Environmental Inc., under the direction of Partner, collected a total of 14 soil gas samples on August 24, 2018 (13 samples and one duplicate), which were transported in an iced cooler under proper chain-ofcustody protocol to Jones' state-certified laboratory (Environmental Laboratory Accreditation Program (ELAP) certificate number 2484) in the City of Santa Fe Springs, California, for analysis.

Ten soil gas samples were analyzed for methane using American Society of Testing Materials (ASTM) Method D1946. Four soil samples were analyzed using EPA Method 8260B Volatile Organics (VOCs) by GC/MS and Oxygenates/Gasoline Range Organics (GROs). A Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed with the soil gas samples. In addition, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. All samples were injected into the GC/MS system within 6 hours of sampling and no contamination was noted in the blanks.

4.2 Laboratory Analytical Results

Laboratory analytical results are included in Appendix B and discussed below.

4.2.1 Soil Gas Sample Analytical Results

Methane was detected in three soil gas samples located at Boring B4 at 7 feet (7,800 parts per million per volume (ppmV)), Boring B6 at 7 feet (900 ppmV), and Boring B6 at 15 feet (700 ppmV). Methane was not detected in the other samples above detection limits or in the duplicate sample at the subject property. Boring B4 is located along the middle east side of the subject property, and Boring B6 is located along the southern end of the subject property (in the vicinity of the former retention ponds).

Low concentrations of tetrachloroethene (TCE) was detected in each of samples collected from Borings B8 through B11 ranging in concentration from 0.045 micrograms per liter (ug/L) to 1.29 ug/L. Toluene was detected in one sample at Boring B10 at a concentration of 0.039 ug/L.

The laboratory analytical report is included in Appendix B. Refer to Tables 2 and 3 and Figures 2 and 3 for a summary of the soil sample laboratory analysis results.



5.0 DISCUSSION AND CONCLUSIONS

5.1 Regulatory Agency Guidance

Environmental Protection Agency Regional Screening Levels

Environmental Protection Agency Regional Screening Levels (EPA RSLs) (formerly Preliminary Remediation Goals or PRG) are generic, risk-based chemical concentrations developed by EPA Region 9 for use in initial screening-level evaluations. EPA RSLs combine human health toxicity values with standard exposure factors to estimate contaminant concentrations that are considered to be health protective of human exposures over a lifetime through direct-contact exposure pathways (e.g., via inhalation and/or ingestion of and/or dermal contact with impacted soil and/or indoor air). EPA RSLs are not legally enforceable standards, but rather are considered guidelines to evaluate if potential risks associated with encountered chemical impacts may warrant further evaluation.

EPA has not developed EPA RSLs for methane in environmental media. The EPA RSLs for VOCs are provided on Tables 3 and 4.

Department of Toxic Substances Control Attenuation Factor and Recommended Screening Levels

The DTSC Office of Human and Ecological Risk (HERO) developed California-Modified Recommended Screening Levels (DTSC RSLs) for soil and indoor air based on a review of 1) the differences in methodology between EPA PRGs/EPA RSLs 2) EPA RSL concentrations, and 3) recent toxicity values. Per DTSC, if a HERO value has not been developed, the EPA RSL can be used.

For soil gas, since soil gas detections are not immediately comparable to the indoor air quality guidelines within the RSLs, the DTSC issued recommended default attenuation factors of 0.05 (subslab sampling locations) and 0.002/0.001 (residential/commercial contaminant source sampling locations) for sites where the attenuation factor for the building slab is unknown or cannot be determined in the October 2011 document *Guidance for the Evaluation and Mitigation of Subsurface Gas Intrusion to Indoor Air.* With the subsurface contaminant concentrations and default attenuation factors, the associated contaminant concentrations in indoor air can be estimated as Calculated Residential and Commercial/Industrial Soil Gas Screening Levels (SGSLs). The calculated DTSC RSLs for VOCs are provide on Table 3.

DTSC has not developed RSLs for methane in environmental media. DTCS has developed two white papers on sampling of methane in California (*Evaluation of Biogenic Methane*, dated March 2012 and DTSC Advisory on Methane Assessment and Common Remedies at School Sites, dated June 2005). In addition, DTSC provides for soil gas sampling probe installation details in their Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance), dated October 2011. Partner adhered to all three of those documents when sampling the Site and evaluating the resulting data.

City of Ontario Building Department Regulations

The City of Ontario has published Methane Design Guidelines for "Projects in the New Model Colony". According to Building Department personnel, those guidelines are applicable to any building development on farm properties (including dairy farms) and is independent of the planned building use (i.e. residential or commercial/industrial). Therefore, Partner has confirmed that the City of Ontario *Methane Assessment for*



Projects in the New Model Colony document (Methane Design Document) is applicable to the subject property.

The Methane Design Document indicates that a Methane Site Assessment is required of any parcels used as animal farms or composting / fertilizer farms, and that the survey must be completed within "all lots in potential methane areas". The Methane Site Assessment must be completed within properties 30 days after building footprints have been put in place.

The Methane Design Document further indicates that all buildings are to be installed with 10-mil methane barrier with sealed penetrations, and that for properties with methane concentrations over 15,000 ppmV, is it additionally required that any remediation required by the engineer after the Methane Site Assessment is completed. A copy of the regulation is attached as Appendix C and a summary of the threshold criteria are presented in Table 2.

5.2 Discussion

The purpose of the investigation was to investigate the soil vapor on the subject property for releases at the southern end of the subject property associated with truck maintenance and for the presence of methane in order to provide support for the future commercial/industrial development.

No evidence of a significant release was detected in the truck maintenance area. Although VOCs and one gasoline-related VOC (toluene) were detected, the concentrations are well below applicable regulatory criteria.

Methane was not detected above state and local regulatory screening levels as discussed above in Section 5.1 at the subject property during this sampling event.

During redevelopment of the subject property, it is possible that the City of Ontario will require further methane evaluation when the footprints of the proposed buildings are confirmed and approved. At that time, the appropriate mitigation measures, if any, will be determined.

5.3 Conclusions and Recommendations

Based on the results of this subsurface investigation, no significant releases appear to have occurred at the truck maintenance area, and no significant concentrations of methane in soil gas appear to be present at the subject property.

Partner recommends no further subsurface assessment at the subject property at this time. However, since a release of solvent and gasoline-related VOCs has been detected in the southern portion of the subject property, Partner recommends that a site-specific Soil Management Plan is prepared for the subject property that provides procedures for the proper handling of any contaminated soil encountered during redevelopment activities.

Partner notes that further testing requirements may be required by the City of Ontario during site development.



TABLES



Table 1: Summary of Investigation Scope Lanting Land 9032 Merrill Avenue Ontario, California 91762 Partner Project Number 18-221385.2 August 2018

Boring	Location	Depth		Analysis	Rationale	
вогну	LOCATION	Depth	Methane	VOCs	TPH-G	Kationale
B1	Northeast corner of property, in gravel lot	7 feet	х			
B2	Northwest corner of property, in gravel lot	7 feet	Х			
B3	Western edge of gravel lot,	7 feet	Х			Vapor points advanced to assess former dairy farm
03	near fuel tank	15 feet	х			pastures
B4	Southeast corner of gravel lot, north of property fence	7 feet	х			
B5	Central lot, south of loading docks	7 feet	Х			
B6	Central lot, near truck wash	7 feet	Х			
DO	station	15 feet	х			Vapor points advanced to assessor former dairy
B7	Southwest corner, employee	7 feet	х			retention ponds
Б7	parking lot	7 feet (duplicate)	х			
B8	Northwest corner of auto workshop	5 feet		х	х	Vapor point advanced to assess maintenance building septic system
В9	Interior fiberglass/body shop	5 feet		х	х	Vapor point advanced to assess the body/fiberglass shop
B10	Auto shop, naer waste storage bins	5 feet		Х	Х	Vapor point advanced to
B11	Auto shop, near front degreaser	5 feet		Х	х	assess beneath the maintenance building

VOCs - Volatile Organic Compounds

TPH-G - Total Petroluem Hydrocarbons-Gasoline

Table 2: Soil Gas Sample Methane Laboratory Results Langting Land 9032 Merrill Avenue Ontario, California 91762 Partner Project Number 18-221385.2 August 2018

			Methane
Sample Identification	Sample Depth	Date Collected	Concentration
Units	(feet bgs)		(ppmV)
B1	7	8/24/2018	ND<100
B2	7	8/24/2018	ND<100
B3	7	8/24/2018	ND<100
B3	15	8/24/2018	ND<100
B4	7	8/24/2018	7,800
B5	7	8/24/2018	ND<100
B6	7	8/24/2018	900
B6	15	8/24/2018	700
B7	7	8/24/2018	ND<100
B7	7 (Duplicate)	8/24/2018	ND<100
Ambient Air		8/24/2018	ND<100
Ontario Metha	ne Design Guidelines (D	airy Farm)	15,000

Notes:

United States Environmental Protection Agency Method D1946 used to analyze samples

ppmV = parts per million by volume

ND = not detected above indicated laboratory practical quantitation limits (PQLs) (100 ppmV)

(Rep) = Replicate Sample

Table 3: Soil Gas Sample EPA Method 8260 Results Lanting Land 9032 Merrill Avenue Ontario, California 91762 Partner Project Number 18-221385.2 August 2018

			PCE	Toluene	TPH-G
Sample Identification	Sample Depth	Date Collected	Concentration	Concentration	Concentration
Units	(feet bgs)		(ug/L)	(ug/L)	(ug/L)
B8	5	8/24/2018	0.301	ND<0.020	ND<0.020
B9	5	8/24/2018	0.045	ND<0.020	ND<0.020
B10	5	8/24/2018	0.963	0.039	ND<0.020
B11	5	8/24/2018	1.29	ND<0.020	ND<0.020
Calculated Resid	dential Soil Gas D1	SC SLs (ug/L)	0.23	155	15.5*
	ed Commercial/Inc Gas DTSC SLs (ug/		2.0	1,300	130*

Notes:

DTSC SLs - Department of Toxic Substances Control Screening Levels

* Developed from United States Environmental Protection Agency Regional Screening Levels for Total Petroleum Hydrocarbons (Aromatic Low)

United States Environmental Protection Agency Method 8260B used to analyze samples

ug/L = microgram per Liter

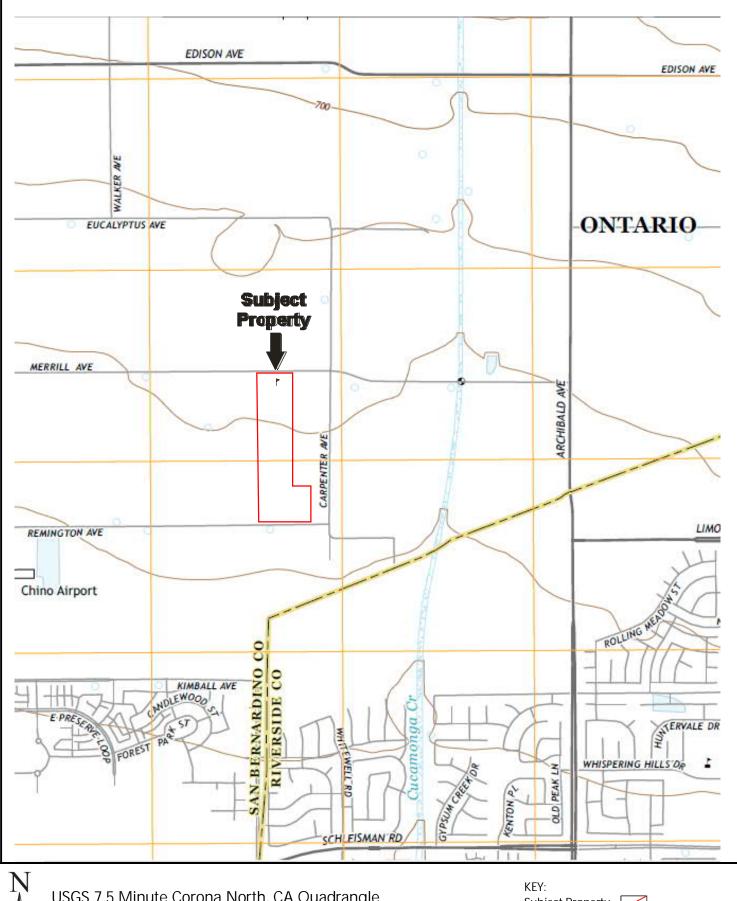
ND = not detected above laboratory practical quantitation limits (PQLs) (0.020 ug/L)

PCE = Tetrachloroethene

TPH-G - Total Petroluem Hydrocarbons-Gasoline

FIGURES



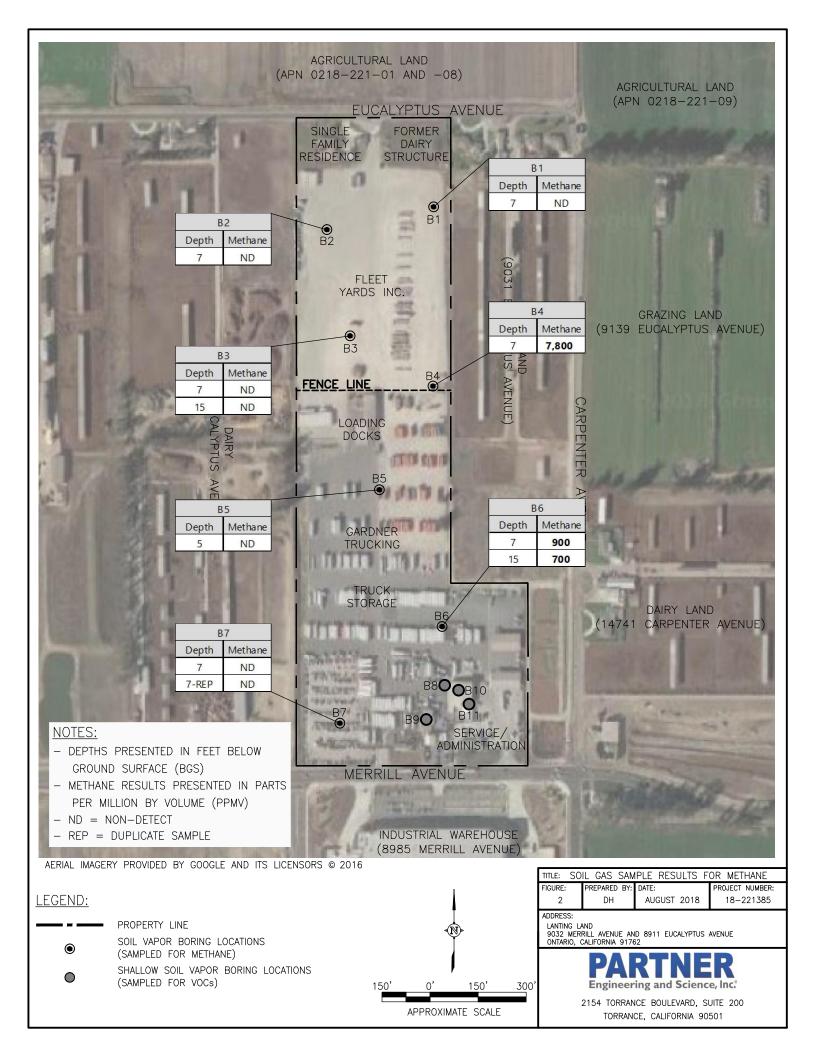


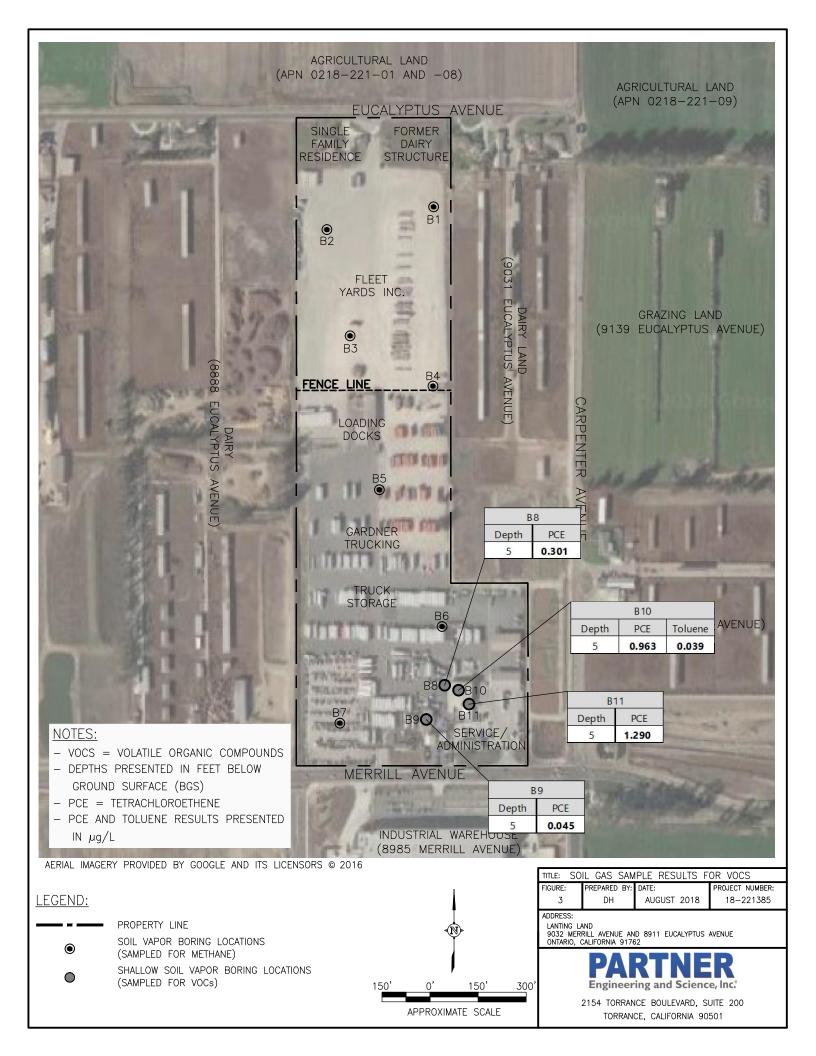
USGS 7.5 Minute Corona North, CA Quadrangle Created: 2012/Revised: 2015

FIGURE 1: TOPOGRAPHIC MAP Project No. 18-221385.2







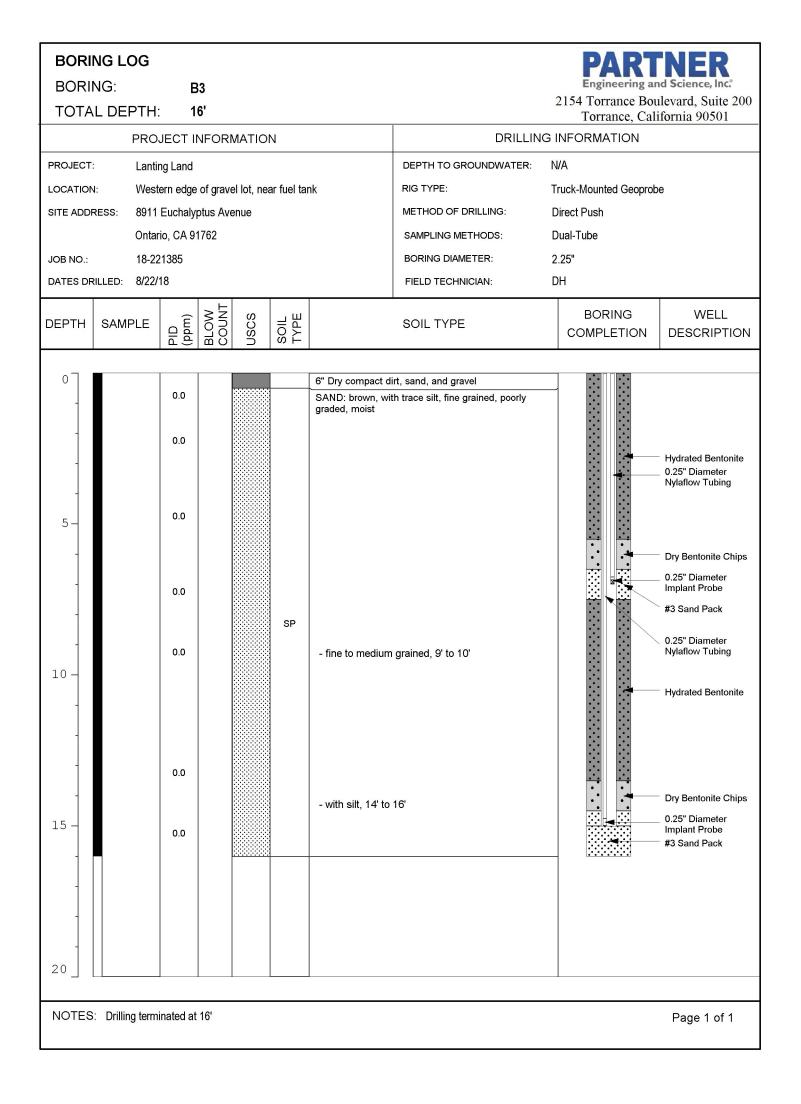


APPENDIX A: BORING LOGS



BORING: B1 Engineering and Science, Inc.* TOTAL DEPTH: 8' 2154 Torrance Boulevard, Suite 200 Torrance, California 90501 PROJECT INFORMATION DRILLING INFORMATION PROJECT: Lanting Land DEPTH TO GROUNDWATER: NA LOCATION: Northeast corner of property, in gravel lot RIG TYPE: Truck-Mounted Geoprobe SITE ADDRESS: 8911 Euchalyptus Avenue METHOD OF DRILLING: Direct Push Ontario, CA 91762 BAMPLING METHODS: Dual-Tube JOB NO.: 18-221385 BORING DIAMETER: 2.25" DATES DRILLED: 8/22/18 FIELD TECHNICIAN: DH	BORI	NG LOG								PART	NFR
Torrance, California 90501 Torrance, California 90501 PROJECT INFORMATION DRILLING INFORMATION PROJECT INFORMATION DEPTH TO GROUNDWATER NA PROJECT School (Stream) DEPTH TO GROUNDWATER NA Ontario, CA 91762 BORING MATHON Direct Push JOB NO: 18 22136 DepTH To GROUNDWATER DI DEPTH SAMPLE g g g g g g g g g g g g g g g g g g g	BORI	NG:	E	31						Engineering ar	nd Science, Inc.®
PROJECT INFORMATION DRILLING INFORMATION PROJECT INFORMATION Laning Land DEPTH TO GROUNDWATER: NA LOCATION: Kethesis Comer of properly, in gravel LOCATION: DEPTH TO OROUNDWATER: NA STE ADDRES: Bit Buildingbus Arenue Depth TO OROUNDWATER: Duration: Duration: JOB NO: 18 221365 STE ADDRES: DURATION: DURATION DEPTH DEPTH SAMPLE RG TYPE: DOING DUAKETER: 2.25' DEPTH SAMPLE RG TYPE: DOING CONFICTION DESCRIPTION DEPTH SAMPLE RG TYPE BORING OWELLING DESCRIPTION 0 a RG TYPE SOIL TYPE BORING DESCRIPTION DESCRIPTION 0 a RG TYPE RG TYPE BORING DOING DESCRIPTION DESCRIPTION 1 a RG TYPE SOIL TYPE BORING DOING DESCRIPTION DESCRIPTION 2 a RG TYPE SAMPLE RG TYPE BORING DESCRIPTION DESCRIPTION 2 a RG	ΤΟΤΑ	L DEPTH	H: 8	1					2		
LOCATION: Northeset corner of property, in gravel lot SITE ADDRESS: 8911 Euchalyptis Avenue Date: 0.6.81762 DATE: Tuck-Mounted Geoprobe METHOD OF DRILLING: Direct Push SAMPLED: 822178 DEPTH SAMPLE C C COMPLETION DESCRIPTION DEPTH SAMPLE C C C C C C C C C C C C C C C C C C C		PR	OJECT I	NFOR	MATIO	N		DRILLIN	IG II		
STE ADDRESS: 8011 Euchalyptus Avenue Ontario, CA 91762 JOB NO: 19.221385 DATES DRILES: 82218 DEPTH SAMPLE Q S JS S J J J J S SOIL TYPE DEPTH SAMPLE Q S JS S J J J J S SOIL TYPE DEPTH SAMPLE Q S JS S J J J J S SOIL TYPE DEPTH SAMPLE Q S JS S J J J J S SOIL TYPE DEPTH SAMPLE Q S JS S J J J J S SOIL TYPE DEPTH SAMPLE Q S JS S J J J S S SOIL TYPE DEPTH SAMPLE Q S JS S J J S S SOIL TYPE DEPTH SAMPLE Q S S SOIL TYPE DEPTH SAMPLE Q S S S S J S S J S S S S S S S S S S S	PROJECT:	: Lar	ting Land					DEPTH TO GROUNDWATER:	N/	A	
Ontario, CA 3762 SAMPLING METHODS: Dual-Tube JOB NO: 18221385 BORING DUAMETER: 2.25' DEPTH SAMPLE Q B Q D Q D 0 Q D Q D Q D Q D 0 Q D Q D Q D Q D 0 Q D Q D Q D Q D 0 Q D Q D Q D Q D 0 Q D Q D Q D Q D 0 Q D Q D Q D Q D 0 Q D Q D Q D Q D 0 Q D Q D Q D Q D 0 Q D Q D Q D Q D 0 Q D Q D Q D Q D 0 Q D Q D Q D Q D 0 Q D Q D Q D Q D 10 Q D Q D Q D Q D 11 Q D Q D Q D Q D 12 Q D Q D Q D Q D 13 Q D Q D Q D Q D 14 Q D Q D Q D Q D 15 Q D Q D <	LOCATION	I: Nor	theast cor	ner of pr	operty, ii	n gravel l	ot	RIG TYPE:	Tr	uck-Mounted Geoprob	e
JOB NO: 18-21385 BORING DAMETER: 2,25' DEPTH SAMPLE 0	SITE ADDF	RESS: 891	1 Euchaly	ptus Ave	enue			METHOD OF DRILLING:	Di	rect Push	
DATES DRILLED: 22/18 FIEL DECHNICIAN: DH DEPTH SAMPLE R S S S S S S S S S S S S S S S S S S S		Ont	ario, CA 9	1762				SAMPLING METHODS:	Dı	ual-Tube	
DEPTH SAMPLE E E E SOIL TYPE BORING COMPLETION WELL DESCRIPTION 0	JOB NO.:										
0 0.0 0.0 SAND: brown, with trace silt, fine grained, poorly 5- 0.0 SP - with trace gravel at 6' - With trace gravel at 6' 10- 0.0 0.0 0.0 - With trace gravel at 6' - With trace gravel at 6' 10- 0.0 0.0 0.0 0.0 0.0 - With trace gravel at 6' 10- 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10- 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10- 0.0	DATES DR	RILLED: 8/2	2/18					FIELD TECHNICIAN:	Dł	-	
10 0.0 SP	DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	nscs	SOIL TYPE		SOIL TYPE			
10 0.0 SP	~ 7										
5 0.0 0.0 sp -with trace gravel at 6' Dy Bentonite Chips 10 0.0 0.0 0.0 0.0 0.0 0.0 10 0.0 0.0 0.0 0.0 0.0 0.0 10 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 10 0.0	U						·				
5- 0.0 sP 10- 0.0 10-											
5 0.0 sp 10 - with trace gravel at 6' 10 - with trace gravel at 6'	-		0.0								
5- 0.0 - with trace gravel at 6' Dry Bertonite Chips. 10- 0.0 - with trace gravel at 6' 0.25' Diameter implements of the second	-										
5- 0.0 - with trace gravel at 6' Dry Bentonite Chips 10- - - - 15- - - - 20 - - -	-										
10	5_					SP					
10 0.25° Diameter 11 10 15 10 10 10	Ŭ									•	
10	-		0.0				- with trace grav	el at 6'			
	-										Implant Probe
	-										[∼] #3 Sand Pack
	10										
	-										
	-										
	15 -										
	-										
	201										
NOTES: Drilling terminated at 8' Page 1 of 1	20 <u> </u>										
	NOTES	: Drilling ter	minated at	: 8'							Page 1 of 1

BORI	NG LOG								PART	NER
BORI	NG:	E	32					_	Engineering ar	nd Science, Inc.®
ΤΟΤΑ	L DEPTH	: 8	!					4	2154 Torrance Bou Torrance, Cali	
	PRC	JECT I	NFORI	MATIO	N		DRILLIN	IG I	NFORMATION	
PROJECT:	Lant	ing Land					DEPTH TO GROUNDWATER:	N	/A	
LOCATION	: Nort	hwest cor	ner of p	roperty, i	n gravel	lot	RIG TYPE:	Tr	uck-Mounted Geoprob	e
SITE ADDF	RESS: 8911	l Euchaly	ptus Ave	enue			METHOD OF DRILLING:	D	irect Push	
	Onta	irio, CA 9	1762				SAMPLING METHODS:	D	ual-Tube	
JOB NO.:	18-2	21385					BORING DIAMETER:	2.	25"	
DATES DR	ILLED: 8/22	/18					FIELD TECHNICIAN:	D	Н	
DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	nscs	SOIL TYPE		SOIL TYPE		BORING COMPLETION	WELL DESCRIPTION
					-	-				
0		0.0			1	\	irt, sand, and gravel th trace silt, fine grained, poorly	_		
-						graded, moist	in face sit, the granea, poorly			
-		0.0								
1-						- with gravel to 3	çı.			 Hydrated Bentonite 0.25" Diameter
-						- with graver to c	,			Nylaflow Tubing
_		0.0			SP					
5 –										
-									· · ·	Dry Bentonite Chips
-										0.25" Diameter Implant Probe
_										#3 Sand Pack
1										
10 -										
-										
-										
1										
-										
15 -										
1										
1										
-										
20										
NOTES	: Drilling term	ninated at	: 8'							Page 1 of 1



BORI	NG LO	G							PART	NFR			
BORI	NG:	E	34						Engineering ar	nd Science, Inc.®			
ΤΟΤΑ	L DEP	TH: 8	3'					2	154 Torrance Bou Torrance, Cali	llevard, Suite 200			
	Р	ROJECT I	NFOR	MATIO	N		DRILLIN	IG IN	NFORMATION				
PROJECT	: L	anting Land					DEPTH TO GROUNDWATER:	N//	A				
LOCATION	۹: ٤	Southeast co	rner of gi	ravel lot,	north of	property fence	RIG TYPE:	Tru	uck-Mounted Geoprob	e			
SITE ADD	RESS: 8	911 Euchaly	ptus Ave	enue			METHOD OF DRILLING:	Di	rect Push				
	C	Ontario, CA 9	1762				SAMPLING METHODS:	Dι	ual-Tube				
JOB NO.:	1	8-221385					BORING DIAMETER:	2.2	25"				
DATES DRILLED: 8/22/18 FIELD TECHNICIAN: DH													
DEPTH	SAMPL	.E (mdd)	BLOW COUNT	USCS	SOIL TYPE		SOIL TYPE		BORING COMPLETION	WELL DESCRIPTION			
0						<u> </u>	irt, sand, and gravel th trace silt, fine grained, poorly	_					
-					SP	graded, moist	an nace sin, inte granica, poorty						
		0.0		////		Clayey SAND: da	rk brown, with organics and few						
-		1.8		///		rootlets, moist				 Hydrated Bentonite 0.25" Diameter 			
-				///	sc					Nylaflow Tubing			
5 –				///		- with gravel, 4' f	io 6'						
5-		1.2		///									
-							th trace silt, fine grained, poorly			Dry Bentonite Chips			
-		0.0			SP	graded, moist				0.25" Diameter Implant Probe			
-										[⊸] #3 Sand Pack			
1.0													
10 -													
-													
-													
-													
15 –													
-													
20													
20													
NOTES	: Drilling	terminated a	t 8'							Page 1 of 1			

BORI		G								PART	
BORI			В	5					214	Engineering ar	d Science, Inc. [®] Ilevard, Suite 200
ΤΟΤΑ	L DEF	PTH:	1	5.5'					21.	Torrance, Cali	
	F	PROJ		NFORM	NATIO	N		DRILLIN	ig inf	ORMATION	
PROJECT:		Lantin	g Land					DEPTH TO GROUNDWATER:	N/A		
LOCATION	l:	Centra	al lot, so	uth of lo	ading do	ocks		RIG TYPE:	Truc	k-Mounted Geoprob	e
SITE ADDF	RESS:	9032	Merrill A	venue				METHOD OF DRILLING:	Dire	ct Push	
		Ontari	o, CA 91	1762				SAMPLING METHODS:	Dual	l-Tube	
JOB NO.:		18-22						BORING DIAMETER:	2.25	n	
DATES DR	ILLED:	8/22/1	8					FIELD TECHNICIAN:	DH		
DEPTH	SAMP	LE	PID (ppm)	BLOW COUNT	nscs	SOIL		SOIL TYPE	0	BORING COMPLETION	WELL DESCRIPTION
						-	-				
0							<u>۸</u>	irt, sand, and gravel th trace silt, fine grained, poorly	_		
-							graded, moist	ar trace sit, the granieu, poony			
-			0.0								
-											 Hydrated Bentonite 0.25" Diameter
-											Nylaflow Tubing
5 –			0.0								
5-										•	
-											Dry Bentonite Chips
-						SP					0.25" Diameter Implant Probe
-											*3 Sand Pack
			0.0								
10 -											
-											
-											Hydrated Bentonite
-			0.2			SP		th trace silt, with trace gravel, fine f orly to medium graded, moist	to		
15 –			0.0			SP	SAND: brown, wit graded, more den	th silt, fine grained, poorly to mediu se, moist	um		
1											
-											
20											
	· Drilling	1 termir	nated at	15 5'		1			1		Doco 1 of 1
NOTES	. Drilling	, termir	iated at	15.5							Page 1 of 1

BORIN	IG LOG								PART	NER
BORIN	IG:	В	86					~	Engineering ar 2154 Torrance Bou	nd Science, Inc.®
TOTAL	. DEPTI	H: 1	6'					2	Torrance, Cali	
	PR	OJECT II	NFORM	MATIO	N		DRILLIN	IG I	NFORMATION	
PROJECT:	Lar	nting Land					DEPTH TO GROUNDWATER:	N	/Α	
LOCATION:	Cei	ntral lot, ne	ar truck	wash st	ation		RIG TYPE:	Li	mited-Access Geoprot)e
SITE ADDRE	ESS: 903	32 Merrill A	venue				METHOD OF DRILLING:	D	irect Push	
	Ont	ario, CA 9 ⁻	1762				SAMPLING METHODS:	М	acro-core	
JOB NO.:	18-	221385					BORING DIAMETER:		5"	
DATES DRIL	LED: 8/2	4/18			-		FIELD TECHNICIAN:	D	Н	
DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	nscs	SOIL TYPE		SOIL TYPE		BORING COMPLETION	WELL DESCRIPTION
0						5" Asphalt at surf	ace th trace silt, fine grained, poorly	\neg		
						graded, moist	in nace siit, inte granied, poony			 Hydrated Bentonite 0.25" Diameter Nylaflow Tubing
					SP					 Dry Bentonite Chips 0.25" Diameter Implant Probe #3 Sand Pack 0.25" Diameter Nylaflow Tubing Hydrated Bentonite
						- fine to coarse g	grained at 13'			 Dry Bentonite Chips 0.25" Diameter Implant Probe #3 Sand Pack
20										
NOTES:	Drilling ter	minated at	15.5'							Page 1 of 1

BORI	NG LOG								PART	NFR			
BORI	NG:	E	37						Engineering ar	nd Science, Inc.®			
ΤΟΤΑ	L DEPTH	l: 8						2	154 Torrance Bou Torrance, Cal	ilevard, Suite 200 ifornia 90501			
	PRC	JECT I	NFORI	MATIO	N		DRILLIN	IG II	NFORMATION				
PROJECT:	: Lant	ing Land					DEPTH TO GROUNDWATER:	N/	A				
LOCATION	l: Sou	thwest co	rner, em	iployee p	arking lot	ţ	RIG TYPE:	Tr	uck-Mounted Geoprob	e			
SITE ADDF	RESS: 9032	2 Merrill A	venue				METHOD OF DRILLING:	Di	rect Push				
	Onta	ario, CA 9	1762				SAMPLING METHODS:	Dı	ual-Tube				
JOB NO.:	18-2	21385					BORING DIAMETER:	2.3	25"				
DATES DRILLED: 8/22/18 FIELD TECHNICIAN: DH													
DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	USCS	SOIL TYPE		SOIL TYPE		BORING COMPLETION	WELL DESCRIPTION			
0		0.0			sw	SAND: brown, wii medium to well gr	h gravel, fine to coarse grained, aded, moist			- Hydrated Bentonite			
5 -		0.0			SP	SAND: brownish g poorly graded, mo	gray, with trace silt, fine grained, ist		2.25" Diameter Nylaflow Tubing				
-										 Dry Bentonite Chips 0.25" Diameter Implant Probe #3 Sand Pack 			
10 -													
-													
-													
15 -													
20]													
NOTES	: Drilling tern	ninated at	: 8'							Page 1 of 1			

						RTNER
BORING:	B8				Engineerin	ng and Science, Inc.®
TOTAL DEPTH:	8'					Boulevard, Suite 200 California 90501
PROJECT	INFORMATIO	N		DRILLING	G INFORMATION	
PROJECT: Lanting Land	Ł			DEPTH TO GROUNDWATER:	N/A	
LOCATION: Northwest c	orner of auto work	shop		RIG TYPE:	Truck-Mounted Ge	oprobe
SITE ADDRESS: 9032 Merrill	Avenue			METHOD OF DRILLING:	Direct Push	
Ontario, CA	91762			SAMPLING METHODS:	Macro-core	
JOB NO.: 18-221385				BORING DIAMETER:	1.5"	
DATES DRILLED: 8/22/18		1	1	FIELD TECHNICIAN:	DH	
		SOIL TYPE		SOIL TYPE	BORING COMPLETIC	WELL DN DESCRIPTION
			1			
0			6" Asphalt black to SAND: gravish br	op own, fine grained, poorly to medium		
0.0			graded, moist			Hydrated Bentonite
_						0.25" Diameter Nylaflow Tubing
0.0						Nylanow Tubing
-		SP				Dry Bentonite Chips
5-						0.25" Diameter Implant Probe
0.0						#3 Sand Pack
			- with medium s	and at 6.5'		—— Hydrated Bentonite
0.0						
-						
10 -						
15 -						
20						
NOTES: Drilling terminated	at 8'					Page 1 of 1

BORI	NG LOG						PART	'NER	
BORI	NG:	B9				Engineering and Science, Inc.®			
TOTAL DEPTH: 5.5'						2154 Torrance Boulevard, Su Torrance, California 905			
	PRC	JECT INF	FORMATIC	DΝ		DRILLIN	G INFORMATION		
PROJECT:	: Lanti	ng Land				DEPTH TO GROUNDWATER:	N/A		
LOCATION	ı: Inter	ior parts sho	ор			RIG TYPE:	Truck-Mounted Geoprob	e	
SITE ADDF	RESS: 9032	Merrill Ave	enue			METHOD OF DRILLING:	Direct Push		
	Onta	rio, CA 917	62			SAMPLING METHODS:	Macro-core		
JOB NO.:		21385				BORING DIAMETER:	1.5"		
DATES DR	RILLED: 8/22/					FIELD TECHNICIAN:	DH		
DEPTH	SAMPLE	PID (ppm)	BLOW COUNT USCS	SOIL		SOIL TYPE	BORING COMPLETION	WELL	
07				1	Ell Conservato et au	f			
-		0.0		< <u></u>	5" Concrete at su SAND: light brow graded, moist	face n, with trace silt, fine grained, poorl	y y	 Hydrated Bentonite 0.25" Diameter Nylaflow Tubing 	
- 5 -		0.0		SP				Dry Bentonite Chips 0.25" Diameter Implant Probe	
-		0.0						⁻ #3 Sand Pack	
10 -									
- 15 – -									
20									
NOTES	: Drilling term	inated at 5.	5'					Page 1 of 1	

BORIN	IG LOG	ì							PART	NER	
BORIN	IG:	E	310					-	Engineering an	d Science, Inc.®	
TOTAL DEPTH: 5.5'								2	2154 Torrance Bou Torrance, Cali		
	PR	OJECT I	NFORM	MATIO	N		DRILLIN	IG II	VFORMATION		
PROJECT:	La	nting Land					DEPTH TO GROUNDWATER: N/A				
LOCATION	: Au	to shop, ne	ear waste	e storage	bins		RIG TYPE:	Lir	Limited-Access Geoprobe		
SITE ADDR	ESS: 90	32 Merrill A	Venue				METHOD OF DRILLING:	Di	irect Push		
	On	tario, CA 9	1762				SAMPLING METHODS:	М	acro-core		
JOB NO.:		-221385					BORING DIAMETER:	1.			
DATES DRI	LLED: 8/2	24/18					FIELD TECHNICIAN:	DI	H		
DEPTH	SAMPLE	(mqq)	BLOW COUNT	nscs	SOIL TYPE		SOIL TYPE		BORING COMPLETION	WELL DESCRIPTION	
~ 7	-			~~~	9						
0						4" Concrete at sur Silty SAND: brow	face n, fine grained, poorly graded, mois	st			
										Hydrated Bentonite	
										0.25" Diameter Nylaflow Tubing	
-					SM						
-										Dry Bentonite Chips	
5 —										0.25" Diameter Implant Probe	
					1					#3 Sand Pack	
-											
-											
-											
10 -											
-											
-											
-											
1 -											
15 -											
_ 1											
20]											
NOTES:	Drilling te	rminated a	t 5.5'							Page 1 of 1	

BORIN	IG LOG								PART	NFR	
BORIN	NG:	E	811						Engineering an	d Science, Inc.	
TOTAL DEPTH: 5.5'								215	4 Torrance Bou Torrance, Cali	llevard, Suite 200 ifornia 90501	
	PRO	JECT I	NFORM	MATIO	N		DRILLIN	G INF	ORMATION		
PROJECT:	Lanti	ng Land					DEPTH TO GROUNDWATER:	N/A			
LOCATION	: Auto	shop, ne	ar front o	de-greas	ser		RIG TYPE:	Limite	ed-Access Geoprob	e	
SITE ADDR	ESS: 9032	Merrill A	venue				METHOD OF DRILLING:	Direc	Direct Push		
	Onta	rio, CA 9	1762				SAMPLING METHODS:	Macro	Macro-core		
JOB NO.:		21385					BORING DIAMETER:	1.5"			
DATES DRI	lled: 8/24/	/18			1		FIELD TECHNICIAN:	DH		I	
DEPTH	SAMPLE	PID (ppm)	BLOW COUNT	nscs	SOIL TYPE		SOIL TYPE	с	BORING OMPLETION	WELL DESCRIPTION	
07				~~~~	1	4" Concrete at su	faco		•••		
Ĭ							n, fine grained, poorly graded, mois	st			
										Hydrated Bentonite	
										0.25" Diameter Nylaflow Tubing	
-					SM						
-										Dry Bentonite Chips	
5 –										0.25" Diameter Implant Probe	
-				• • • • •						#3 Sand Pack	
-											
-											
10 -											
-											
-											
15 -											
-											
20											
NOTES:	Drilling term	inated at	5.5'							Page 1 of 1	

APPENDIX B: LABORATORY ANALYICAL REPORTS





11007 FOREST PLACE Santa FE Springs, ca 90670 WWW.Jonesenv.com

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Client Address:	Partner Engineering & Science, Inc. 1761 E. Garry Ave. Santa Ana, CA 92705	Report date: JEL Ref. No.: Client Ref. No.:	8/27/2018 ST-12534 18-221385
Attn:	Kathy Lehnus	Date Sampled:	8/24/2018
		Date Received:	8/24/2018
Project Name:	Lanting Land	Date Analyzed:	8/24/2018
Project Address:	9032 Merrit Ave.	Physical State:	Soil Gas
-	Ontario, CA 91762		

ANALYSES REQUESTED

1. EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sampling – Soil Gas samples were collected in Tedlar bags.

A tracer gas mixture of n-pentane, n-hexane, and n-heptane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No n-pentane, n-hexane, or n-heptane was found in any of the samples reported herein.

The sampling rate was approximately 200 cc/min, except if noted differently on the chain of custody record, using a Tedlar Bag. Purging was completed using a pump set at approximately 200 cc/min, except if noted differently on the chain of custody record. A default of 3 purge volumes was used as recommended by July 2015 DTSC/RWQCB guidance documents.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

No flow conditions occur when a sampling rate greater than 10 mL/min cannot be maintained without applying a vacuum greater than 100 inches of water to the sampling train. The sampling train is left at a vacuum for no less than three minutes. If the vacuum does not subside appreciably after three minutes, the sample location is determined to be a no flow sample.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, a Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity. All samples were injected into the GC/MS system within 6 hours of sampling.

2. ASTM D1946 – Fixed Gases

Analytical – Soil Gas samples were analyzed using ASTM D1946 by GC/TCD. A duplicate/replicate sample was analyzed each day of the sampling activity. All samples were injected into the GC/MS system within 6 hours of sampling.

Approval:

Male

David Mirakian, M.S. Stationary Lab Chemist



JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	Report date:	8/27/2018
Client Address:	2154 Torrance Blvd., Suite 200	Jones Ref. No.:	ST-12534
	Torrance, CA 90501	Client Ref. No.:	18-221385
Attn:	Kathy Lehnus	Date Sampled:	8/24/2018
		Date Received:	8/24/2018
Project:	Lanting Land	Date Analyzed:	8/24/2018
Project Address:	9032 Merrill	Physical State:	Soil Gas
	Ontario, CA 91762		

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B8-5	B9-5	B10-5	B11-5		
Jones ID:	ST-12534-07	ST-12534-08	ST-12534-13	ST-12534-14	<u>Reporting Limit</u>	<u>Units</u>
Analytes:						
Benzene	ND	ND	ND	ND	0.020	μg/L
Bromobenzene	ND	ND	ND	ND	0.020	μg/L
Bromodichloromethane	ND	ND	ND	ND	0.020	μg/L
Bromoform	ND	ND	ND	ND	0.020	μg/L
n-Butylbenzene	ND	ND	ND	ND	0.020	μg/L
sec-Butylbenzene	ND	ND	ND	ND	0.020	μg/L
tert-Butylbenzene	ND	ND	ND	ND	0.020	μg/L
Carbon tetrachloride	ND	ND	ND	ND	0.020	μg/L
Chlorobenzene	ND	ND	ND	ND	0.020	μg/L
Chloroform	ND	ND	ND	ND	0.020	μg/L
2-Chlorotoluene	ND	ND	ND	ND	0.020	μg/L
4-Chlorotoluene	ND	ND	ND	ND	0.020	μg/L
Dibromochloromethane	ND	ND	ND	ND	0.020	μg/L
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	0.020	μg/L
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	0.020	μg/L
Dibromomethane	ND	ND	ND	ND	0.020	μg/L
1,2- Dichlorobenzene	ND	ND	ND	ND	0.020	μg/L
1,3-Dichlorobenzene	ND	ND	ND	ND	0.020	μg/L
1,4-Dichlorobenzene	ND	ND	ND	ND	0.020	μg/L
Dichlorodifluoromethane	ND	ND	ND	ND	0.020	μg/L
1,1-Dichloroethane	ND	ND	ND	ND	0.020	μg/L
1,2-Dichloroethane	ND	ND	ND	ND	0.020	μg/L
1,1-Dichloroethene	ND	ND	ND	ND	0.020	μg/L
cis-1,2-Dichloroethene	ND	ND	ND	ND	0.020	μg/L
trans-1,2-Dichloroethene	ND	ND	ND	ND	0.020	μg/L
1,2-Dichloropropane	ND	ND	ND	ND	0.020	μg/L
1,3-Dichloropropane	ND	ND	ND	ND	0.020	μg/L
2,2-Dichloropropane	ND	ND	ND	ND	0.020	μg/L
1,1-Dichloropropene	ND	ND	ND	ND	0.020	μg/L

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

<u>Sample ID:</u>	B8-5	B9-5	B10-5	B11-5		
Jones ID:	ST-12534-07	ST-12534-08	ST-12534-13	ST-12534-14	<u>Reporting Limit</u>	<u>nits</u>
Analytes:						
cis-1,3-Dichloropropene	ND	ND	ND	ND		g/L
trans-1,3-Dichloropropene	ND	ND	ND	ND		g/L
Ethylbenzene	ND	ND	ND	ND		g/L
Freon 113	ND	ND	ND	ND		g/L
Hexachlorobutadiene	ND	ND	ND	ND		g/L
Isopropylbenzene	ND	ND	ND	ND	0.020 μ	g/L
4-Isopropyltoluene	ND	ND	ND	ND		g/L
Methylene chloride	ND	ND	ND	ND	0.100 μ	g/L
Naphthalene	ND	ND	ND	ND	0.100 μ	g/L
n-Propylbenzene	ND	ND	ND	ND	0.020 μ	g/L
Styrene	ND	ND	ND	ND	0.020 μ	g/L
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	0.020 μ	g/L
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	0.020 µ	g/L
Tetrachloroethene	0.301	0.045	0.963	1.29	0.020 µ	g/L
Toluene	ND	ND	0.039	ND	0.020 µ	g/L
1,2,3-Trichlorobenzene	ND	ND	ND	ND		g/L
1,2,4-Trichlorobenzene	ND	ND	ND	ND		g/L
1,1,1-Trichloroethane	ND	ND	ND	ND		g/L
1,1,2-Trichloroethane	ND	ND	ND	ND		g/L
Trichloroethene	ND	ND	ND	ND		g/L
Trichlorofluoromethane	ND	ND	ND	ND		g/L
1,2,3-Trichloropropane	ND	ND	ND	ND		g/L
1,2,4-Trimethylbenzene	ND	ND	ND	ND		g/L
1,3,5-Trimethylbenzene	ND	ND	ND	ND		g/L
Vinyl chloride	ND	ND	ND	ND		g/L
m,p-Xylene	ND	ND	ND	ND	•	g/L
o-Xylene	ND	ND	ND	ND	•	g/L
MTBE	ND	ND	ND	ND		g/L
Ethyl-tert-butylether	ND	ND	ND	ND		g/L
Di-isopropylether	ND	ND	ND	ND	0.100 µ	g/L
tert-amylmethylether	ND	ND	ND	ND		g/L
tert-Butylalcohol	ND	ND	ND	ND	•	g/L
Gasoline Range Organics (C4-C12)	ND	ND	ND	ND		g/L
Dilution Factor	1	1	1	1		82
Dilution Factor	1	1	1	1		
Surrogate Recoveries:					<u>QC Limits</u>	
Dibromofluoromethane	101%	100%	103%	103%	60 - 140	
Toluene-d ₈	100%	97%	96%	97%	60 - 140	
4-Bromofluorobenzene	97%	92%	95%	98%	60 - 140	
	E2-082418-	E2-082418-	E2-082418-	E2-082418-		
	01	01	01	01		
ND- Value less than reporting						

ND= Value less than reporting limit



JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	Report date:	8/27/2018
Client Address:	2154 Torrance Blvd., Suite 200	Jones Ref. No.:	ST-12534
	Torrance, CA 90501	Client Ref. No.:	18-221385
Attn:	Kathy Lehnus	Date Sampled:	8/24/2018
		Date Received:	8/24/2018
Project:	Lanting Land	Date Analyzed:	8/24/2018
Project Address:	9032 Merrill	Physical State:	Soil Gas
	Ontario, CA 91762		

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	METHOD BLANK	SAMPLING BLANK		
Jones ID:	082418- E2MB1	082418- E2SB1	Reporting Limit	<u>Un</u>
Analytes:				
Benzene	ND	ND	0.020	μg
Bromobenzene	ND	ND	0.020	μg
Bromodichloromethane	ND	ND	0.020	μg
Bromoform	ND	ND	0.020	μg
n-Butylbenzene	ND	ND	0.020	μg
sec-Butylbenzene	ND	ND	0.020	μg
tert-Butylbenzene	ND	ND	0.020	μg
Carbon tetrachloride	ND	ND	0.020	μg
Chlorobenzene	ND	ND	0.020	μg
Chloroform	ND	ND	0.020	μg
2-Chlorotoluene	ND	ND	0.020	μg
4-Chlorotoluene	ND	ND	0.020	μg
Dibromochloromethane	ND	ND	0.020	μg
1,2-Dibromo-3-chloropropane	ND	ND	0.020	μg
1,2-Dibromoethane (EDB)	ND	ND	0.020	μg
Dibromomethane	ND	ND	0.020	μg
1,2- Dichlorobenzene	ND	ND	0.020	μg
1,3-Dichlorobenzene	ND	ND	0.020	μg
1,4-Dichlorobenzene	ND	ND	0.020	μg
Dichlorodifluoromethane	ND	ND	0.020	μg
1,1-Dichloroethane	ND	ND	0.020	μg
1,2-Dichloroethane	ND	ND	0.020	μg
1,1-Dichloroethene	ND	ND	0.020	μg
cis-1,2-Dichloroethene	ND	ND	0.020	μg
trans-1,2-Dichloroethene	ND	ND	0.020	μg
1,2-Dichloropropane	ND	ND	0.020	μg
1,3-Dichloropropane	ND	ND	0.020	μg
2,2-Dichloropropane	ND	ND	0.020	μg
1,1-Dichloropropene	ND	ND	0.020	μg/

		0 1	• •	0 0	
Sample ID:	METHOD BLANK	SAMPLING BLANK			
Jones ID:	082418- E2MB1	082418- E2SB1		<u>Reporting Limit</u>	<u>Units</u>
Analytes:					
cis-1,3-Dichloropropene	ND	ND		0.020	μg/L
trans-1,3-Dichloropropene	ND	ND		0.020	μg/L
Ethylbenzene	ND	ND		0.020	μg/L
Freon 113	ND	ND		0.100	μg/L
Hexachlorobutadiene	ND	ND		0.020	μg/L
Isopropylbenzene	ND	ND		0.020	μg/L
4-Isopropyltoluene	ND	ND		0.020	μg/L
Methylene chloride	ND	ND		0.100	μg/L
Naphthalene	ND	ND		0.100	μg/L
n-Propylbenzene	ND	ND		0.020	μg/L
Styrene	ND	ND		0.020	μg/L
1,1,1,2-Tetrachloroethane	ND	ND		0.020	μg/L
1,1,2,2-Tetrachloroethane	ND	ND		0.020	μg/L
Tetrachloroethene	ND	ND		0.020	μg/L
Toluene	ND	ND		0.020	μg/L
1,2,3-Trichlorobenzene	ND	ND		0.100	μg/L
1,2,4-Trichlorobenzene	ND	ND		0.020	μg/L
1,1,1-Trichloroethane	ND	ND		0.020	μg/L
1,1,2-Trichloroethane	ND	ND		0.020	μg/L
Trichloroethene	ND	ND		0.020	μg/L
Trichlorofluoromethane	ND	ND		0.020	μg/L
1,2,3-Trichloropropane	ND	ND		0.020	μg/L
1,2,4-Trimethylbenzene	ND	ND		0.020	μg/L
1,3,5-Trimethylbenzene	ND	ND		0.020	μg/L
Vinyl chloride	ND	ND		0.020	μg/L
m,p-Xylene	ND	ND		0.040	μg/L
o-Xylene	ND	ND		0.020	μg/L
MTBE	ND	ND		0.100	μg/L
Ethyl-tert-butylether	ND	ND		0.100	μg/L
Di-isopropylether	ND	ND		0.100	μg/L
tert-amylmethylether	ND	ND		0.100	μg/L
tert-Butylalcohol	ND	ND		1.000	μg/L
Gasoline Range Organics (C4-C12)	ND	ND		5.00	μg/L
Dilution Factor	1	1			
Surrogate Recoveries:				<u>QC Limit</u>	<u>s</u>
Dibromofluoromethane	99%	100%		60 - 140	
Toluene-d ₈	100%	98%		60 - 140	
4-Bromofluorobenzene	91%	98%		60 - 140	
		E2-082418-			
	01	01			

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

ND= Value less than reporting limit



JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Client Address:	Partner Engineering & Science, Inc. 2154 Torrance Blvd., Suite 200 Torrance, CA 90501	Report date: Jones Ref. No.: Client Ref. No.:	8/27/2018 ST-12534 18-221385
Attn:	Kathy Lehnus	Date Sampled:	8/24/2018
		Date Received:	8/24/2018
Project:	Lanting Land	Date Analyzed:	8/24/2018
Project Address:	9032 Merrill	Physical State:	Soil Gas
	Ontario, CA 91762		

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Batch ID:	E2-0824						
Jones ID:	082418-E2LCS1	082418-E2LCSD1		08	2418-E2CCV1		
	LCS	LCSD		Acceptability		Acceptability	
Parameter	Recovery (%)	Recovery (%)	<u>RPD</u>	Range (%)	<u>CCV</u>	Range (%)	
Vinyl chloride	81%	70%	14.5%	70 - 130	101%	80 - 120	
1,1-Dichloroethene	102%	103%	1.5%	70 - 130	102%	80 - 120	
Cis-1,2-Dichloroethene	105%	114%	7.6%	70 - 130	109%	80 - 120	
1,1,1-Trichloroethane	104%	108%	3.8%	70 - 130	113%	80 - 120	
Benzene	111%	108%	2.5%	70 - 130	117%	80 - 120	
Trichloroethene	103%	106%	2.1%	70 - 130	114%	80 - 120	
Toluene	103%	105%	2.0%	70 - 130	110%	80 - 120	
Tetrachloroethene	104%	108%	4.2%	70 - 130	113%	80 - 120	
Chlorobenzene	104%	106%	1.6%	70 - 130	111%	80 - 120	
Ethylbenzene	103%	108%	4.2%	70 - 130	111%	80 - 120	
1,2,4 Trimethylbenzene	101%	103%	2.4%	70 - 130	108%	80 - 120	
Gasoline Range Organics (C4-C12)	104%	106%	1.5%	70 - 130			
Surrogate Recovery:							
Dibromofluoromethane	103%	104%		60 - 140	97%	60 - 140	
Toluene-d ₈	99%	101%		60 - 140	98%	60 - 140	
4-Bromofluorobenzene	102%	103%		60 - 140	98%	60 - 140	

LCS = Laboratory Control Sample

LCSD = Laboratory Control Sample Duplicate

CCV = Continuing Calibration Verification

RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$



SANTA FE SPRINGS, CA 90670

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	Report date:	8/27/2018				
Client Address:	2154 Torrance Blvd., Suite 200	Jones Ref. No.:	ST-12534				
	Torrance, CA 90501	Client Ref. No.:	18-221385				
Attn:	Kathy Lehnus	Date Sampled:	8/24/2018				
		Date Received:	8/24/2018				
Project:	Lanting Land	Date Analyzed:	8/24/2018				
Project Address:	9032 Merrit	Physical State:	Soil Gas				
	Ontario, CA 91762						
ASTM D1946 – Methane							

Sample ID:	B1-7'	B2-7'	B3-7'	B3-15'	B4-7'		
Jones ID:	ST-12534-01	ST-12534-02	ST-12534-03	ST-12534-04	ST-12534-05	<u>Reporting Limit</u>	<u>Units</u>
Methane (CH ₄)	ND	ND	ND	ND	7800	100	ppmV
Dilution Factor	1	1	1	1	1		
	ASTM- 082418_02	ASTM- 082418_02	ASTM- 082418_02	ASTM- 082418_02	ASTM- 082418_02		

ND = Not Detected



SANTA FE SPRINGS, CA 90670

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Client Address:	Partner Engineering & Science, Inc. 2154 Torrance Blvd., Suite 200 Torrance, CA 90501	Report date: Jones Ref. No.: Client Ref. No.:	8/27/2018 ST-12534 18-221385
A			0/24/2010
Attn:	Kathy Lehnus	Date Sampled: Date Received:	8/24/2018 8/24/2018
Project:	Lanting Land	Date Analyzed:	8/24/2018
Project Address:	9032 Merrit	Physical State:	Soil Gas
	Ontario, CA 91762		

ASTM D1946 – Methane

Sample ID:	B5-7'	B7-7'	B7-7' REP	B6-7'	B6-15'		
Jones ID:	ST-12534-06	ST-12534-09	ST-12534-10	ST-12534-11	ST-12534-12	Reporting Limit	<u>Units</u>
Methane (CH ₄)	ND	ND	ND	900	700	100	ppmV
Dilution Factor	1	1	1	1	1		
	ASTM- 082418_02	ASTM- 082418_02	ASTM- 082418_02	ASTM- 082418_02	ASTM- 082418_02		

ND = Not Detected



11007 FOREST PLACE Santa Fe Springs, ca 90670 WWW.Jonesenv.com

JONES ENVIRONMENTAL

LABORATORY RESULTS

Client: Client Address:	Partner Engineering & Science, Inc. 2154 Torrance Blvd., Suite 200 Torrance, CA 90501	Report date: Jones Ref. No.: Client Ref. No.:	8/27/2018 ST-12534 18-221385
Attn:	Kathy Lehnus	Date Sampled:	8/24/2018
		Date Received:	8/24/2018
Project:	Lanting Land	Date Analyzed:	8/24/2018
Project Address:	9032 Merrit	Physical State:	Soil Gas
	Ontario, CA 91762		

ASTM D1946 – Methane

Sample ID:	Ambient Air		
Jones ID:	AA- 082418_02	Reporting Limit	<u>Units</u>
Methane (CH ₄)	ND	100	ppmV
Dilution Factor	1		
	ASTM- 082418_02		

ND = Not Detected



11007 FOREST PLACE Santa Fe Springs, ca 90670 WWW.Jonesenv.com

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Client Address:	Partner Engineering & Science, Inc. 2154 Torrance Blvd., Suite 200		Report date: Jones Ref. No.:	8/27/2018 ST-12534
	Torrance, CA 90501		Client Ref. No.:	18-221385
Attn:	Kathy Lehnus		Date Sampled:	8/24/2018
			Date Received:	8/24/2018
Project:	Lanting Land		Date Analyzed:	8/24/2018
Project Address:	9032 Merrit		Physical State:	Soil Gas
	Ontario, CA 91762			
	ASTM D1946 – Methan	e		
	G	C#: ASTM-	082418_02	

			GC#:	ASTM-082418_
Jones ID:	CCV-082418_02	CCVD-082418_02		
Parameter	CCV Recovery (%)	CCVD Recovery (%)	<u>RPD</u>	Acceptability Range (%)
Methane (CH ₄)	102%	100%	1.8%	60 - 140

LCS = Lab Control Sample LCSD = Lab Control Sample Duplicate RPD = Relative Percent Difference; Acceptability range for RPD is $\leq 15\%$

JIC		J]	ES) c.	Santa	11007 Forest Pl. a Fe Springs, CA 90670 (714) 449-9937 Fax (714) 449-9685 www.jonesenv.com	5	S	Soil-G	ias	s C	Ch	ain	of	С	ustody Record
Client Project Name Lanting La	Date 08/24/ Client Project # 18-207						Rep EDD EDF* - *Global			Page						
Project Address	居主	Turn Around Requested: Trace						Analy	sis R	eque	sted	l of Z				
Email Phone Report To	LA	9[: Sampler		2		 Immediate Atter Rush 24 Hours Rush 48 Hours Rush 72 Hours Normal Mobile Lab 	ition	n-pent n-hexa n-hept Helium 1,1-DF	ane ane 1	rix: (SL), Aqueous (A), Soil Gas (SG)	here	600	PHG	Magnehelic Vacuum (In/H ₂ O)	Containers	Lab Use Only Sample Condition as Recieved: Sealed
Kathy Lehr Sample ID	Purge Number	Purge Volume	hn3 Date	Sample Collection	Sample	Laboratory Sample ID	Purge Rate	Pump Used	Magnehelic	Sample Matrix: Soil (S), Sludge (SL)	Red	87	F	agnehelic	Number of C	Remarks & Special Instructions
B1-7	Number 3		08/24	Time	Time	57-12534.01				Soi Soi	X			W LL	- l	
BZ-7	3		oshy	1102		57-12534-02				56	X		4	22	-1	
B3·7	3		08/24	117	23	ST-12534-97	12			54	x			22	- 1	
13-15	3			1132		ST-12534-04				SG	x			12	-1	
B4-7	3		Olym	1129		ST-12534-05	-			94	X		A HA	2	- 1	
BS-7	3		8/14	1148		57-12534-04				S	x			2	-1	- 0.04
B3-5	J		"In	1704		57-12534.07				9.	4	x	X	12	- (no methode
B9-5	3		OBhu	1217		JT-12534-08					Z		×	62	+1	nomethon
B7-7	3		09/24	1240		572534-09				59	X		10	2		
137-7 REP	3		oghy	1240		ST-12534-10	1			8	X			27	41	Fellerand Street
Relinquished By (Signature) Daniel Handl	-	Printed Nat DAV	me	ORRE	L	Received By (Signature)	1		Prin	nted Ma	-	in	15		10	Total Number of Containers
Company Parther EST Relinquished By (Signature)	8	Date: 24/1 Printed Nat	8	Time:	2	Received By Laboratory	(Signature)	Date: Time: OBMUILS 1330					30	acki	lient signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been reqested, and the information provided herein is correct	
Company		Date:		Time:		Company	11 of 12		Dat	e:		Tir	ne:			and accurate.

			ES	5	Santa	11007 Forest Pl a Fe Springs, CA 9067((714) 449-9937 Fax (714) 449-9685 www.jonesenv.com) 7 5	S	oil-G	ias	6 (Ch	ain	of	С	Custody Record
Client Project Name Lanting 1 Project Address	Date O8/24/ Client Project # V8-22V	Purge Number: □ 1P □ 3P □ 7P □ 10P Shut-In Test: Y / N					Rep EDD EDF* - *Global			geProject # ST-12534 Page						
Project Address 9032 Mr	prrill		23	80	1	Turn Around Requested:		Tr		A	Anal	/sis R	eque	sted	ZofZ	
Ontonio, CA 91762 Email Phone Report To Sampler					 Immediate Atter Rush 24 Hours Rush 48 Hours Rush 72 Hours Normal Mobile Lab 	ntion	 n-pentane n-hexane n-heptane Helium 1,1-DFA 			SL), Aqueous (A), Soil Gas (SG)	409	PHG	Magnehelic Vacuum (In/H ₂ O)	containers	Lab Use Only Sample Condition as Recieved: Sealed ves no	
Kathy Let Sample ID	Purge Number	Purge Volume	Date	Sample Collection	Sample Analysis	Laboratory Sample ID	Purge Rate	Pump Used	Magnehelic	Sample Matrix: Soil (S), Sludge (SL),	Mer	28	F	agnehelic	Number of Containers	Remarks & Special Instructions
BG-7	3	3	08/m	Time	Time	57-12534-11				Si Si	X			ž LA		-0,20"
186-15	3	Ŗ	03/24	1759		57-12534-12				SG.	X	14		42	-1	-0.2010
B10-5	3	1, 8	09/24	136		ST-12534-13	2-3-1			Sc.	the	X	x	47	- (-0.08 " no 100
BLO-5	3		Bhu	1324		57-12534-14				SG	E	X	X	62	- •	-0.04" meth
148 S 23			and a solution of the solution									12 12 12 12 12 12 12 12 12 12 12 12 12 1			toolf of all points	
Relinquished By (Signature)		Printed Nar				Received (Sigpenure)	2		Prin	ted Nar	ne	o the story	to the other			Tabl Number of Containers
Down Harry Company Partur ESI Relinquished By (Signature) Company	8	Date: 3/24/L Printed Nar Date:	8	RELL Time: [330 Time:		Company DEL Received By Laboratory Company	(Signature) 12 of 12		Date	ted Nar		Tin 1	33 ne:	6	ack	Total Number of Containers at signature on this Chain of Custody form constitutes knowledgement that the above analyses have been ested, and the information provided herein is correct and accurate.

APPENDIX C: CITY REGULATORY INFORMATION



City of Ontario



BUILDING DEPARTMENT

303 EAST "B' STREET, CIVIC CENTER, ONTARIO, CALIFORNIA91764-4196 TELEPHONE: (909) 395-2023 FAX: (909) 395-2180

METHANE ASSESSMENT FOR PROJECTS IN THE NEW MODEL COLONY

Applicants shall provide for the Building Department's review and approval, a methane assessment report addressing whether the property in questions was ever used as a dairy, poultry ranch, hog ranch, livestock feed operation site, manure stockpile site, manure/livestock burial site, run-off ponds, or for any other purpose that might result in the deposition of materials which might produce methane.

The report shall be prepared by a licensed engineer or licensed geologist and shall include the following:

- Historic aerial photos and historic topographic map review.
- Interviewing the owner/land managers for possible locations of potential methane generation areas.
- Site reconnaissance to determine the current site usage and conditions.
- Identifying potential methane areas.
- A proposed scope of work for post-grading methane investigation based on the historical study.

This report may be included as part of the soils and geology report and shall be submitted to the Building Department for review and approval at the time building permit applications are filed.

All lots in potential methane areas identified in the Methane Site Assessment report shall be tested for the presence of any methane and its concentration 30 days after building pads are graded and created.

A report, prepared by a licensed engineer or geologist and separate from the Methane Site Assessment report, summarizing the methane test conducted, the location/lot where methane is found and its concentration, and the recommended mitigation measures shall be submitted to the Building Department for review and approval. This test report could be a standalone report or be a part of the soils and geology report. This test report should be submitted together with building plans when permit applications are filed, or thereafter as soon as it is available. No building permit will be issued until the test report is approved by the Building Department, and the lots with methane and any required mitigation measures are shown on building plans.

METHANE DESIGN GUIDELINES

Measured Methane Concentration (ppm)	Minimum Mitigation Guidelines
< 15,000	Provide a 10-mil moisture barrier. Seal utility conduits and other penetration in an approved method.
> 15,000	Provide a 10-mil moisture barrier. Seal utility conduits and other penetration in an approved method. Also include any remediation required by the Engineer of record.
Waste, Burial Site, Pond, Lowland	Require methane report prepared by a licensed engineer or geologist on required remediation.