PARTNER
Engineering and Science, Inc.®

LIMITED PHASE II SUBSURFACE INVESTIGATION AND LIMITED METHANE INVESTIGATION REPORT

Borba Land Phase II (189 acres)
14545 South Grove Avenue
Ontario, California 91762

June 26, 2017
Partner Project Number: 17-180354.2

Prepared for:

Prologis
Pier 1, Bay 1
San Francisco, California 94111

Engineers who understand your business

PARTNER
Engineering and Science, Inc.

June 26, 2017

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

Subject: Limited Phase II Subsurface Investigation and Limited Methane Investigation Report
Borba Land Ground Lease
14545 South Grove Avenue
Ontario, California 91762
Partner Project Number: 17-180354.2

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 above-referenced 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 Lehnus, PG
Senior Project Manager

Samantha J. Fujita, PG
Regional Manager-Subsurface Investigation

Misty Ponce
Principal

Table of Contents

ATTACHMENTS

Tables
1. Summary of Investigation Scope
2. Soil Sample TPH-cc Laboratory Results
3. Soil Sample VOC Laboratory Results
4. Soil Sample CAM 17 Metals Laboratory Results
5. Soil Gas Sample Methane Laboratory Results

Figures
1. Site Location Map
2a. Site Plan
2b. Site Detail – Scrap Metal and Filling / Maintenance Areas
3a. Site Plan with Methane Sampling Locations
3b. Site Plan with Sampling Locations – Filling/Maintenance Area
3c. Site Plan with Sampling Locations – Scrap Metal Area
4. Topographic Map

1.0 INTRODUCTION

1.1 Purpose

Partner Engineering and Science, Inc. (Partner) performed a Phase I Environmental Site Assessment (ESA) dated March 9, 2017 for the property at 14545 South Grove Avenue, Ontario, California (the Site or the subject property). In the Phase I ESA, Partner identified the current and historical use as a dairy farm with a maintenance shop/fueling area and scrap metal area, and recommended sampling. The purpose of this investigation was to investigate the soil on the subject property for the presence of petroleum hydrocarbons, volatile organic compounds (VOCs), and/or metals in the scrap metal area, the fueling aboveground storage tank (AST) area, or the maintenance area (as applicable). In addition, 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 P17-180354.2A on May 4, 2017, 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 consists of 20 parcels of land comprising approximately 189.78 acres located on the south side of Eucalyptus Avenue, north of Merrill Avenue, and east of Grove Avenue within a mixed agricultural and industrial area of the City of Ontario. The subject property is currently operated as a dairy farm identified as GH Dairy. On-site operations consist of dairy farm activities (which includes milking/breeding of cows and equipment fueling/maintenance) and general residential space. On-site structures or features include: five residences, one office, four milk barns, one maintenance shop/commodities barn, and scale building with a break room. In addition to the current buildings, the subject property includes pasture and corral areas; three domestic water wells (two active and one inactive); two irrigation wells; at least six private septic systems, seven detention ponds; and miscellaneous vehicle parts and scrap metal storage areas.

The immediately surrounding properties consist of similar dairy and other farmland properties. Across Eucalyptus Avenue to the north lies dairy properties (14474 South Grove Avenue, 14350 Walker Avenue, and 14333 Walker Avenue), as well as crop land (8381 Edison Avenue). Adjacent to the subject property to the east lies another dairy farm (8643 Eucalyptus Avenue). To the south is another dairy farm (8315 and 8375 Merrill Avenue), a sod farm (8191 Merrill Avenue), and Watson Industrial Park (8601 Merrill Avenue). Three similar dairy farms are located to the west across South Grove Avenue (14544 South Grove Avenue, 14746 South Grove Avenue, and 14848 South Grove Avenue).

2.2 Site History

The buildings were constructed between 1958 and 1980 (residences) and between 1966 and the late 2000s (dairy operation buildings). According to historical sources, the subject property was a potato farm from at least 1938 until at least 1953 and was observed as a dairy farm by at least 1966 (with operations expanding throughout the property from the 1970s through the late 2000s).

The following recognized environmental conditions (RECs) were identified for the subject property in the Phase I ESA:

- The long term use of the subject property as a dairy farm was considered a REC due to the potential for the build-up of methane, nitrates, and ammonia in soil from animal waste.
- It was noted that trucks were repaired at the onsite maintenance area, identified as a REC on the northern/central portion of the subject property. The maintenance shop was observed to contain numerous drums and small containers of virgin automotive fluids as well as two 275-gallon new oil AST and one 500-gallon waste oil AST and one 275-gallon waste oil AST. Evidence of staining was noted on the concrete floor at the maintenance shop ASTs.
- An exterior vehicle/equipment refueling area was observed west of the maintenance area. The following five ASTs were observed to be used for fueling operations to the south of the scale building in this area: one 10,000-gallon diesel AST, three 1,000-gallon diesel ASTs and one 500-gallon diesel AST. Oil staining was observed at the base of the fuel pump for the 10,000-gallon diesel AST and a pump/hose attached to the 1,000-gallon diesel ASTs, as well as at the 500-gallon

diesel AST located outside of the bermed area. The staining appeared to be both on concrete paved and unpaved areas.

- A scrap metal storage area was observed on the northwestern portion of the subject property. Several drums, three ASTs, farming equipment, and vehicles were stored throughout this area during the site visit. According to the tenant, Mr. Hettinga, the ASTs were transported empty from other farms to be accumulated in this area for later sale as scrap. Additionally, Mr. Hettinga indicated that the drums were used to transport feed material onto the subject property (which is obtained as waste from local food manufacturers). Partner inspected the three abandoned ASTs and approximately 20 drums and confirmed that they were empty (and the drums labeled as food products); however, it is noted that not all stored materials were readily visible or accessible for inspection. Oil staining was observed on the ground near one of the pieces of farm equipment.

2.3 Geology and Hydrogeology

The subject property is located in the Upper Santa Ana Valley, a broad alluvial and fluvial plain located within the Los Angeles, Orange, Riverside, and San Bernardino Counties. The Upper Santa Ana Valley is a southwesterly draining basin bounded by the San Gabriel Mountains and San Bernardino Mountains on the north and east, the Puente and San Jose Hills on the west and the Jurupa Hills and the Santa Ana Mountains to the south. The mountain range on the north and south and the basement rock underlying the Valley, are primarily composed of granitic and metamorphic rock. The hills to the west are composed of Miocene sandstone, shale, siltstone, and conglomerate. Within the Valley, the basement complex is overlain by a series of unconsolidated and semi-consolidated alluvial and fluvial sediments eroded from the surrounding mountain ranges. Subsurface lithology in the general vicinity is mapped as recent-age alluvium and colluvium.

Based on information obtained from the USDA Natural Resources Conservation Service Web Soil Survey online database, the subject property is mapped as Delhi fine sand. The Delhi series consists of Class A high filtration rates. Soils are deep well drained to excessively drained sand and gravels. Slopes range from 0 to 1 percent. Soils encountered in the upper 15 feet of the subject property during this subsurface investigation were described as brown, fine-grained silty sand.

According to the Kamron Saremi of the Regional Water Quality Control Board (RWQCB), interviewed as part of Partner's Phase I ESA, groundwater in the vicinity of the subject property is 130 feet below ground surface (bgs) and flows toward the south-southwest. Groundwater was not encountered during soil investigation activities conducted as part of this scope of work (the soil boring terminus depth was 16 feet bgs).

3.0 FIELD ACTIVITIES

The Limited Phase II Subsurface Investigation included a geophysical survey, the advancement of seven soil borings (SB-1 through SB-7) to 12 feet bgs using a geoprobe, and the advancement of four shallow borings (SS-1 through SS-4) to 4 feet bgs using a hand auger. Representative soil samples were collected from these 11 borings for laboratory analysis.

The Limited Methane Investigation included the advancement of 18 soil borings (B1 through B18), and collection of 21 soil gas grab samples. Soil gas point B14 was sampled at 6 feet, points B1 through B13 and B15 through B18 at 7 feet bgs, and soil gas points B2, B10, and B18 were additionally sampled at 15 feet bgs.

Refer to Table 1 and Section 3.5 for a summary of the borings advanced, sampling schedule, and laboratory analyses for this investigation. Refer to Figure 1 and Figure 2a for Site overview maps, Figure 2b for a detail map of the scrap metal and filling/maintenance areas, Figures 3a for a map indicating methane soil gas point locations, Figures 3b and 3c for maps indicating environmental boring locations, and Figure 4 for a topographic map.

3.1 Preparatory Activities

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

3.1.1 Utility Clearance

Partner delineated the work area with white spray paint and Underground Service Alert of Southern California (USA/SC) was contacted 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 A71431247-00A for the project.

In addition, Partner subcontracted with Subsurface Surveys & Associates, Inc. (SSS) to clear boring locations of utilities. On May 30, 2017, SSS systematically free-traversed each proposed boring location at the scrap metal yard, fueling area, and maintenance area with a Geonics EM-61 and a Fischer M-Scope electromagnetic induction (EM) equipment, a Schonstedt GA-52 magnetic gradiometer, a Sensors and Software Noggin ground penetrating radar (GPR) unit, and a Metrotech 9890 utility locator with line-tracing capabilities. Equipment readouts were interpreted in real time for evidence of utility lines and/or other subsurface features of potential concern. Boring placement was modified as necessary based on the geophysical survey results to avoid damaging underground features.

3.1.2 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

On May 30, 2017, Partner subcontracted with Munoz Direct Push (Munoz) to provide and operate drilling equipment to advance the environmental soil borings at the fueling area and maintenance area. Munoz, under the direction of Partner, advanced borings SB-1 through SB-7 with a limited-access Geoprobe direct

push rig. Non-dedicated sampling equipment was decontaminated between sample intervals and boring locations to prevent cross-contamination. The soil boring at the scrap metal yard were advanced by hand.

On June 16, 2017, Partner subcontracted with Kehoe Testing & Engineering, Inc. (Kehoe) to provide and operate drilling equipment to advance the methane point soil borings and install temporary soil gas sampling probes. Kehoe, under the direction of Partner, advanced borings B1 through B18 with a truck-mounted Geoprobe direct push rig. Non-dedicated sampling equipment was decontaminated between sample intervals and boring locations to prevent cross-contamination.

3.3 Boring Locations

Borings SB-1 through SB-5 were advanced surrounding the diesel ASTs in the north-central portion of the subject property. Borings SB-6 and SB-7 were advanced in covered awning, and main interior of the maintenance shop, respectively. Soil borings SS-1 through SS-4 were advanced in the scrap metal area.

Soil borings / temporary soil gas probes B1 through B18 were installed throughout the subject property spaced to allow for an overall assessment of methane throughout the subject property. The soil gas sampling locations were targeted within the planned industrial/commercial building footprints, and also within areas suspected to have a high accumulation of methane (e.g. ponds and pen areas).

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

3.4 Boring Depths

Borings SB-1 through SB-7 were advanced to 12 feet bgs. Borings SS-1 through SS-4 were advanced by hand auger to 4 feet bgs. For the limited methane investigation, borings B2, B10, and B18 were advanced to 16 feet bgs. The remaining borings were advanced to 8 feet bgs, with the exception of boring B14, which was advanced by hand to 6 feet bgs (where truck access was not possible due to ponded water). Soil gas points were installed at 7 feet bgs in each location (except B14; installed at 6 feet bgs), and also at 15 feet bgs at soil gas points B2, B10, and B18 to assess deeper methane zones.

3.5 Soil Sampling

Soil samples were collected from borings SB-1 through SB-7 and B1 through B18 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. Soil samples were screened continuously in the borings and described (see Appendix A for boring logs).

In borings SB-1 through SB-7 and SS-1 through SS-4, samples of the soil were collected at pre-determined depths and containerized in analysis-appropriate laboratory-supplied bottles. For halogenated volatile organic compound (HVOC) analysis, soil subcores were collected from the desired sampling depths using a dedicated disposable plastic syringe and retained in two pre-weighed, laboratory-supplied, 40-mL, sodium bisulfate-preserved and one methanol-preserved volatile organics analysis (VOA) vials in accordance with EPA Method 5035 sampling protocol. Sample VOAs were sealed with Teflon-lined septum caps. For total petroleum hydrocarbon (TPH) and Title 22/CAM17 Metals analysis, soil was transferred into new, laboratory-supplied glass jars equipped with Teflon lids using a trowel.

Samples were labeled for identification and stored in an iced cooler. Soil samples were then shipped under proper chain-of-custody documentation to Jones Environmental, Inc. (Jones) for analysis.

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 B18 at 15 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

Partner collected 29 soil samples on May 30, 2017, which were transported in an iced cooler under proper chain-of-custody protocol to Jones, a state-certified laboratory (Environmental Laboratory Accreditation Program (ELAP) certificate number 2484) in the City of Santa Fe Springs, California, for analysis. Eighteen soil samples were analyzed for TPH via EPA Method 8015M, 12 were analyzed for VOCs via EPA Method 8260B, and 8 were analyzed for CAM17 Metals via EPA Method 6010. The remaining soil samples were placed on hold at the laboratory.

Jones collected 21 soil gas samples and one duplicate sample on June 16, 2017, which were transported in two shifts on the same day to their fixed laboratory in Santa Fe Springs, California (California Department of Public Heath (CDPH) Environmental Laboratory Accreditation Program (ELAP) Certificate No. 2484), for methane analysis using American Society of Testing Materials (ASTM) Method D1946. A Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed with each batch of 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 Sample Analytical Results

None of the analyzed soil samples contained detectable concentrations of TPH. The VOC 1,2,4-trimethylene was detected in one of the analyzed soil samples at a concentration just above the laboratory method detection level (MDL). The remaining VOCs were not detected in any of the analyzed soil samples at concentrations exceeding the laboratory method detection levels/reporting limits (MDLs/RLs).

Each of the analyzed soil samples contained concentrations of naturally-occurring metals at concentrations consistent with background.

Refer to Tables 2, 3, and 4 for a summary of the soil sample laboratory analysis results.

4.2.2 Soil Gas Sample Analytical Results

None of the soil gas samples contained detectable concentrations of methane except one: 16,100 parts per million per volume (ppmV) of methane detected in soil vapor point B9 (collected from seven feet bgs).

Refer to Table 5 for a summary of the soil gas 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 and metals 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).

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.

DTSC RSLs for VOCs and metals are provide on Tables 3 and 4.

Maximum Screening Levels for TPH

EPA and DTSC do not promulgate screening levels for TPH in soil. Therefore, Partner has opted to use the Maximum Screening Levels (MSLs) set forth by the Los Angeles Regional Water Quality Control Board (SFRWQCB) for TPH for comparison purposes. MSLs are concentrations of petroleum hydrocarbons that

are allowed to remain in soil without potentially degrading the quality of groundwater underlying a site, and are tiered based on the depth to groundwater beneath a site. MSLs for TPH are summarized on Table 2.

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. Partner notes that methane was detected at 16,100 ppmV in soil gas within the corral area of the subject property. A copy of the regulation is attached as Appendix C and a summary of the threshold criteria are presented in Table 5.

5.2 Discussion

The purpose of the investigation was to investigate the soil on the subject property for releases at the scrap metal area, fueling area, and maintained area, and for the presence of methane in order to provide support for the future commercial/industrial development. No evidence of release was detected at the fueling area or maintenance area. One gasoline-related VOC was detected in the scrap metal area at a concentration well below applicable criteria. Methane was detected at 16,100 ppmV in soil gas within the corral of the subject property; therefore, additional methane sampling may be required as part of the site development process.

5.3 Conclusions and Recommendations

Based on the results of this subsurface investigation, there have been no significant releases at the scrap metal area, fueling area, or maintenance area. Soil gas sampling has indicated that there is not a widespread methane issue in soil gas at the subject property. However, an elevated concentration of methane was detected in the 7-foot bgs gas probe at B9, located in the corral area. Partner recommends that further assessment of methane in soil gas be conducted during property redevelopment in at least the central-eastern area of the Site (where high methane was encountered during this survey) to determine extent of elevated methane.

TABLES

PARTNER

Table 1: Summary of Investigation Scope
14545 South Grove Avenue
Ontario, CA 91762
Partner Project Number 17-180354.2
June 2017

Boring	Location	Depth	Analysis			Rationale
			VOCs	TPH	Metals	
B1	Exterior Diesel AST/Pump	2 feet	--	X	--	Assess ASTs/staining for petroleum
		5-7 feet	--	X	--	
		10-12 feet	Hold	Hold	Hold	
B2	Exterior of AST Berm	2 feet	--	X	--	
		5-7 feet	--	X	--	
		10-12 feet	Hold	Hold	Hold	
B3		2 feet	--	X	--	
		5-7 feet	--	X	--	
		10-12 feet	Hold	Hold	Hold	
B4	Stand-Alone Pump/Staining	2 feet	--	X	--	
		5-7 feet	--	X	--	
		10-12 feet	Hold	Hold	Hold	
B5	Hose Dispenser/ Staining	2 feet	--	X	--	
		5-7 feet	--	X	--	
		10-12 feet	Hold	Hold	Hold	
B6	Waste Oil ASTs/ stained areas	2 feet	X	X	X	Assess ASTs/staining for petroleum, VOCs, and metals
		5-7 feet	X	X	X	
		10-12 feet	Hold	Hold	Hold	
B7		2 feet	X	X	X	
		5-7 feet	X	X	X	
		10-12 feet	Hold	Hold	Hold	
SS1	Stained Areas	2 feet	X	X	X	Assess areas of staining for petroleum and metals
		4 feet	X	--	--	
SS2		2 feet	X	X	X	
		4 feet	X	--	--	
SS3		2 feet	X	X	X	
		4 feet	X	--	--	
SS4		2 feet	X	X	X	
		4 feet	X	--	--	

Hold = Submitted to the laboratory for possible future analysis (if needed based on results of shallower intervals); later determined to be not needed.

Table 2: Soil Sample TPH-cc Laboratory Results
14545 South Grove Avenue
Ontario, CA 91762
Partner Project Number 17-180354.2
June 2017

EPA Method	TPH-cc via 8015M		
Analyte	TPH-g	TPH-d	TPH-o
Sample ID	(mg/kg)		
SB1-2	ND	ND	ND
SB1-5	ND	ND	ND
SB2-2	ND	ND	ND
SB2-5	ND	ND	ND
SB3-2	ND	ND	ND
SB3-5	ND	ND	ND
SB4-2	ND	ND	ND
SB4-5	ND	ND	ND
SB5-2	ND	ND	ND
SB5-5	ND	ND	ND
SB6-2	ND	ND	ND
SB6-5	ND	ND	ND
SB7-2	ND	ND	ND
SB7-5	ND	ND	ND
SS1-2	ND	ND	ND
SS2-2	ND	ND	ND
SS3-2	ND	ND	ND
SS4-2	ND	ND	ND
SSL	500	1000	10,000

Notes:

TPH-cc = carbon chain total petroleum hydrocarbons

EPA = United States Environmental Protection Agency

TPH-g = total petroleum hydrocarbons as gasoline

TPH-d = total petroleum hydrocarbons as diesel

TPH-o = total petroleum hydrocarbons as oil

mg/kg = milligrams per kilogram

SSLs = Soil-screening levels (Los Angeles Regional Water Quality Control Board - April 27, 2004) for groundwater at a depth of ~120 feet bgs

ND = not detected above indicated laboratory Practical Quantitation Limit (PQL)

Values in bold exceed laboratory PQLs

Highlighted values exceed one or more regulatory guideline

Table 3: Soil Sample VOC Laboratory Results
14545 South Grove Avenue
Ontario, CA 91762
Partner Project Number 17-180354.2
June 2017

EPA Method	Volatile Organic Compounds (VOCS)	
Analyte	1,2,4-Trimethylbenzene	Other VOCs
Sample ID	(ug/kg)	
SB6-2	ND	ND
SB6-5	ND	ND
SB7-2	ND	ND
SB7-5	ND	ND
SS1-2	ND	ND
SS1-4	ND	ND
SS2-2	ND	ND
SS2-4	ND	ND
SS3-2	ND	ND
SS3-4	ND	ND
SS4-2	ND	ND
SS4-4	1.0	ND
Residential Soil RSL	58,000	NA
Commercial/Industrial Soil RSL	240,000	NA

Notes:

VOCs = volatile organic compounds

EPA = United States Environmental Protection Agency

µg/kg = micrograms per kilogram

RSL = October 2015 Department of Toxic Substances Control (DTSC) Regional Screening Levels (RSLs). If DTSC RSLs do not exist, November 2015 EPA Region 9 RSLs were utilized, as denoted by *.

ND = not detected above indicated laboratory Practical Quantitation Limit (PQL)

Values in bold exceed laboratory PQLs

Highlighted values exceed one or more regulatory guideline

Table 4: Soil Sample CAM 17 Metals Laboratory Results
14545 South Grove Avenue
Ontario, CA 91762
Partner Project Number 17-180354.2
June 2017

Element	Barium (Ba)[1]	Cadmium (Cd)	Cobalt (Co)[1]	Chromium (Cr)	Copper (Cu)[1]	Nickel (Ni)	Lead (Pb)	Antimony (Sb)[1]	Vanadium (V)	Zinc (Zn)[1]	Mercury (Hg)	Other Metals
	(mg/kg)											
SB6-2	77.8	ND	7.9	14.6	7.6	8.8	2.3	4.3	34.5	41.0	ND	ND
SB6-5	107.0	ND	9.0	15.7	7.4	9.3	1.2	4.9	36.6	38.6	ND	ND
SB7-2	82.7	ND	9.0	15.8	7.6	9.5	1.6	4.7	37.8	40.2	ND	ND
SB7-5	154.0	ND	12.6	21.0	12.3	13.2	2.2	6.9	49.9	54.1	ND	ND
SS1-2	75.4	ND	9.3	22.0	17.5	17.9	9.5	5.7	39.8	66.5	ND	ND
SS2-2	95.5	ND	7.5	14.0	18.5	8.5	2.6	4.1	31.5	49.1	ND	ND
SS3-2	94.7	0.6	8.8	17.4	10.2	10.2	3.1	4.9	37.2	43.7	ND	ND
SS4-2	99.8	ND	9.4	17.0	9.9	10.4	1.6	5.2	38.4	40.9	ND	ND
Residential Soil RSL	15,000	2,100	23	36,000	3,100	15,000	80	31	390	23,000	1	N/A
Industrial Soil RSL	220,000	9,300	350	170,000	47,000	64,000	320	470	1,000	350,000	4.5	N/A

Notes:

RSL = January 2016 DTSC Regional Screening Levels (RSLs). If DTSC RSLs do not exist, November 2015 United States Environmental Protection Agency (EPA) Region 9 RSLs were utilized, as denoted by [1].

ND = not detected above indicated laboratory Practical Quantitation Limit

NA = not applicable

Values in highlighted in beige exceed laboratory PQLs

Values in bold exceed laboratory PQLs

Highlighted values exceed one or more regulatory guideline

Table 5: Soil Gas Sample Methane Laboratory Results
14545 South Grove Avenue
Ontario, CA 91762
Partner Project Number 17-180354.2
June 2017

Sample Identification Units	Sample Depth (feet bgs)	Date Collected	Methane Concentration (ppmV)
B1	7	6/16/2017	ND<100
B2	7	6/16/2017	ND<100
B2	15	6/16/2017	ND<100
B3	7	6/16/2017	ND<100
B4	7	6/16/2017	ND<100
B5	7	6/16/2017	ND<100
B6	7	6/16/2017	ND<100
B7	7	6/16/2017	ND<100
B8	7	6/16/2017	ND<100
B9	7	6/16/2017	16100
B10	7	6/16/2017	ND<100
B10	15	6/16/2017	ND<100
B11	7	6/16/2017	ND<100
B12	7	6/16/2017	ND<100
B13	7	6/16/2017	ND<100
B14	6	6/16/2017	ND<100
B15	7	6/16/2017	ND<100
B16	7	6/16/2017	ND<100
B17	7	6/16/2017	ND<100
B18	7	6/16/2017	ND<100
B18 (and duplicate)	15	6/16/2017	ND<100
Ontario Methane Design Guidelines (Dairy 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)

Table 1: Summary of Investigation Scope
14545 South Grove Avenue
Ontario, CA 91762
Partner Project Number 17-180354.2
June 2017

Boring	Location	Depth	Analysis			Rationale
			VOCs	TPH	Metals	
B1	Exterior Diesel AST/Pump	2 feet	--	X	--	Assess ASTs/staining for petroleum
		5-7 feet	--	X	--	
		10-12 feet	Hold	Hold	Hold	
B2	Exterior of AST Berm	2 feet	--	X	--	
		5-7 feet	--	X	--	
		10-12 feet	Hold	Hold	Hold	
B3		2 feet	--	X	--	
		5-7 feet	--	X	--	
		10-12 feet	Hold	Hold	Hold	
B4	Stand-Alone Pump/Staining	2 feet	--	X	--	
		5-7 feet	--	X	--	
		10-12 feet	Hold	Hold	Hold	
B5	Hose Dispenser/ Staining	2 feet	--	X	--	
		5-7 feet	--	X	--	
		10-12 feet	Hold	Hold	Hold	
B6	Waste Oil ASTs/ stained areas	2 feet	X	X	X	Assess ASTs/staining for petroleum, VOCs, and metals
		5-7 feet	X	X	X	
		10-12 feet	Hold	Hold	Hold	
B7		2 feet	X	X	X	
		5-7 feet	X	X	X	
		10-12 feet	Hold	Hold	Hold	
SS1	Stained Areas	2 feet	X	X	X	Assess areas of staining for petroleum and metals
		4 feet	X	--	--	
SS2		2 feet	X	X	X	
		4 feet	X	--	--	
SS3		2 feet	X	X	X	
		4 feet	X	--	--	
SS4		2 feet	X	X	X	
		4 feet	X	--	--	

Hold = Submitted to the laboratory for possible future analysis (if needed based on results of shallower intervals); later determined to be not needed.

Table 2: Soil Sample TPH-cc Laboratory Results
14545 South Grove Avenue
Ontario, CA 91762
Partner Project Number 17-180354.2
June 2017

EPA Method	TPH-cc via 8015M		
Analyte	TPH-g	TPH-d	TPH-o
Sample ID	(mg/kg)		
SB1-2	ND	ND	ND
SB1-5	ND	ND	ND
SB2-2	ND	ND	ND
SB2-5	ND	ND	ND
SB3-2	ND	ND	ND
SB3-5	ND	ND	ND
SB4-2	ND	ND	ND
SB4-5	ND	ND	ND
SB5-2	ND	ND	ND
SB5-5	ND	ND	ND
SB6-2	ND	ND	ND
SB6-5	ND	ND	ND
SB7-2	ND	ND	ND
SB7-5	ND	ND	ND
SS1-2	ND	ND	ND
SS2-2	ND	ND	ND
SS3-2	ND	ND	ND
SS4-2	ND	ND	ND
SSL	500	1000	10,000

Notes:

TPH-cc = carbon chain total petroleum hydrocarbons

EPA = United States Environmental Protection Agency

TPH-g = total petroleum hydrocarbons as gasoline

TPH-d = total petroleum hydrocarbons as diesel

TPH-o = total petroleum hydrocarbons as oil

mg/kg = milligrams per kilogram

SSLs = Soil-screening levels (Los Angeles Regional Water Quality Control Board - April 27, 2004) for groundwater at a depth of ~120 feet bgs

ND = not detected above indicated laboratory Practical Quantitation Limit (PQL)

Values in bold exceed laboratory PQLs

Highlighted values exceed one or more regulatory guideline

Table 3: Soil Sample VOC Laboratory Results
14545 South Grove Avenue
Ontario, CA 91762
Partner Project Number 17-180354.2
June 2017

EPA Method	Volatile Organic Compounds (VOCS)	
Analyte	1,2,4-Trimethylbenzene	Other VOCs
Sample ID	(ug/kg)	
SB6-2	ND	ND
SB6-5	ND	ND
SB7-2	ND	ND
SB7-5	ND	ND
SS1-2	ND	ND
SS1-4	ND	ND
SS2-2	ND	ND
SS2-4	ND	ND
SS3-2	ND	ND
SS3-4	ND	ND
SS4-2	ND	ND
SS4-4	1.0	ND
Residential Soil RSL	58,000	NA
Commercial/Industrial Soil RSL	240,000	NA

Notes:

VOCs = volatile organic compounds

EPA = United States Environmental Protection Agency

µg/kg = micrograms per kilogram

RSL = October 2015 Department of Toxic Substances Control (DTSC) Regional Screening Levels (RSLs). If DTSC RSLs do not exist, November 2015 EPA Region 9 RSLs were utilized, as denoted by *.

ND = not detected above indicated laboratory Practical Quantitation Limit (PQL)

Values in bold exceed laboratory PQLs

Highlighted values exceed one or more regulatory guideline

Table 4: Soil Sample CAM 17 Metals Laboratory Results
14545 South Grove Avenue
Ontario, CA 91762
Partner Project Number 17-180354.2
June 2017

Element	Barium (Ba)[1]	Cadmium (Cd)	Cobalt (Co)[1]	Chromium (Cr)	Copper (Cu)[1]	Nickel (Ni)	Lead (Pb)	Antimony (Sb)[1]	Vanadium (V)	Zinc (Zn)[1]	Mercury (Hg)	Other Metals
	(mg/kg)											
SB6-2	77.8	ND	7.9	14.6	7.6	8.8	2.3	4.3	34.5	41.0	ND	ND
SB6-5	107.0	ND	9.0	15.7	7.4	9.3	1.2	4.9	36.6	38.6	ND	ND
SB7-2	82.7	ND	9.0	15.8	7.6	9.5	1.6	4.7	37.8	40.2	ND	ND
SB7-5	154.0	ND	12.6	21.0	12.3	13.2	2.2	6.9	49.9	54.1	ND	ND
SS1-2	75.4	ND	9.3	22.0	17.5	17.9	9.5	5.7	39.8	66.5	ND	ND
SS2-2	95.5	ND	7.5	14.0	18.5	8.5	2.6	4.1	31.5	49.1	ND	ND
SS3-2	94.7	0.6	8.8	17.4	10.2	10.2	3.1	4.9	37.2	43.7	ND	ND
SS4-2	99.8	ND	9.4	17.0	9.9	10.4	1.6	5.2	38.4	40.9	ND	ND
Residential Soil RSL	15,000	2,100	23	36,000	3,100	15,000	80	31	390	23,000	1	N/A
Industrial Soil RSL	220,000	9,300	350	170,000	47,000	64,000	320	470	1,000	350,000	4.5	N/A

Notes:

RSL = January 2016 DTSC Regional Screening Levels (RSLs). If DTSC RSLs do not exist, November 2015 United States Environmental Protection Agency (EPA) Region 9 RSLs were utilized, as denoted by [1].

ND = not detected above indicated laboratory Practical Quantitation Limit

NA = not applicable

Values in highlighted in beige exceed laboratory PQLs

Values in bold exceed laboratory PQLs

Highlighted values exceed one or more regulatory guideline

Table 5: Soil Gas Sample Methane Laboratory Results
14545 South Grove Avenue
Ontario, CA 91762
Partner Project Number 17-180354.2
June 2017

Sample Identification Units	Sample Depth (feet bgs)	Date Collected	Methane Concentration (ppmV)
B1	7	6/16/2017	ND<100
B2	7	6/16/2017	ND<100
B2	15	6/16/2017	ND<100
B3	7	6/16/2017	ND<100
B4	7	6/16/2017	ND<100
B5	7	6/16/2017	ND<100
B6	7	6/16/2017	ND<100
B7	7	6/16/2017	ND<100
B8	7	6/16/2017	ND<100
B9	7	6/16/2017	16100
B10	7	6/16/2017	ND<100
B10	15	6/16/2017	ND<100
B11	7	6/16/2017	ND<100
B12	7	6/16/2017	ND<100
B13	7	6/16/2017	ND<100
B14	6	6/16/2017	ND<100
B15	7	6/16/2017	ND<100
B16	7	6/16/2017	ND<100
B17	7	6/16/2017	ND<100
B18	7	6/16/2017	ND<100
B18 (and duplicate)	15	6/16/2017	ND<100
Ontario Methane Design Guidelines (Dairy Farm)			15,000

Notes:

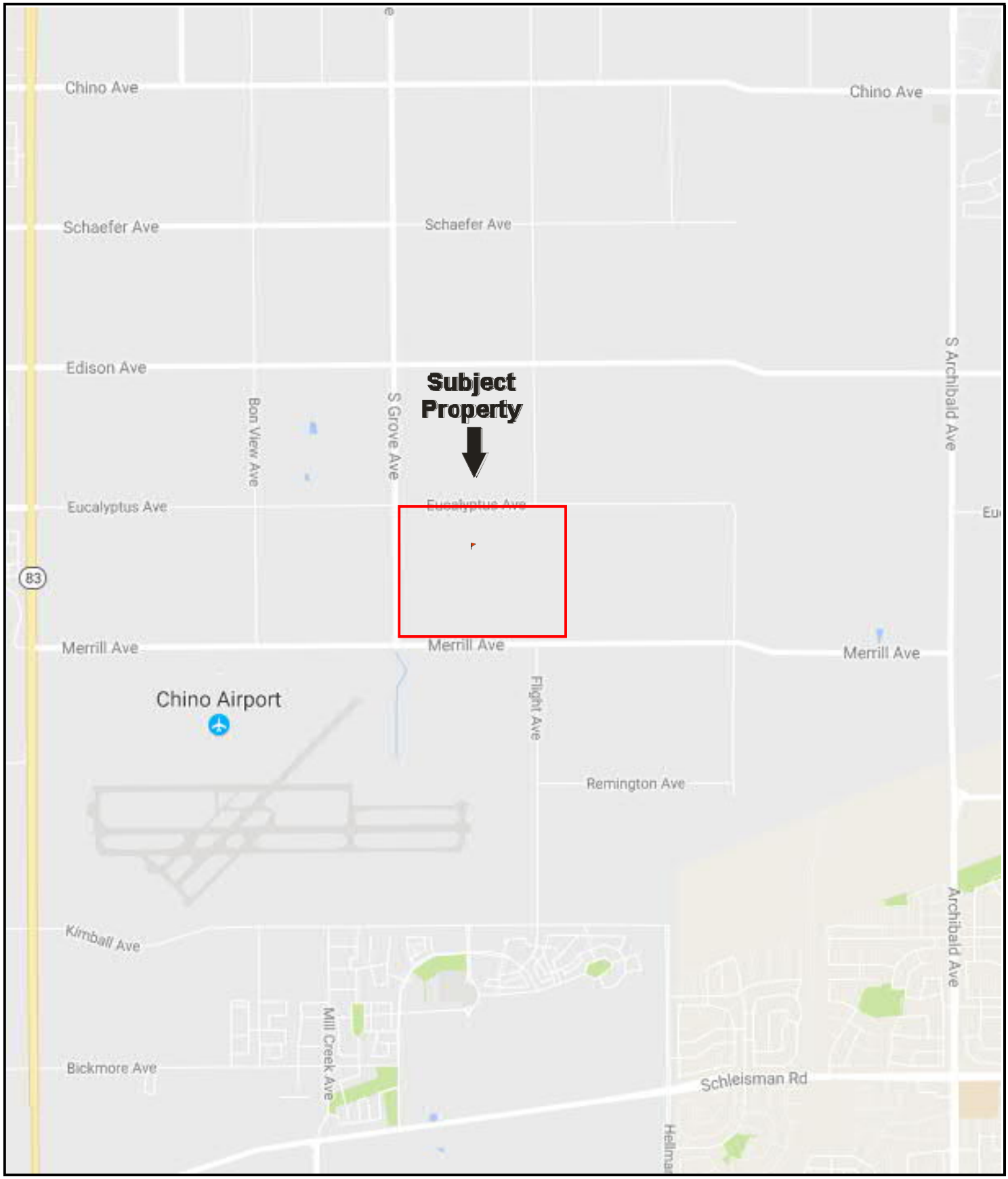
United States Environmental Protection Agency Method D1946 used to analyze samples

ppmV = parts per million by volume

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

FIGURES

PARTNER



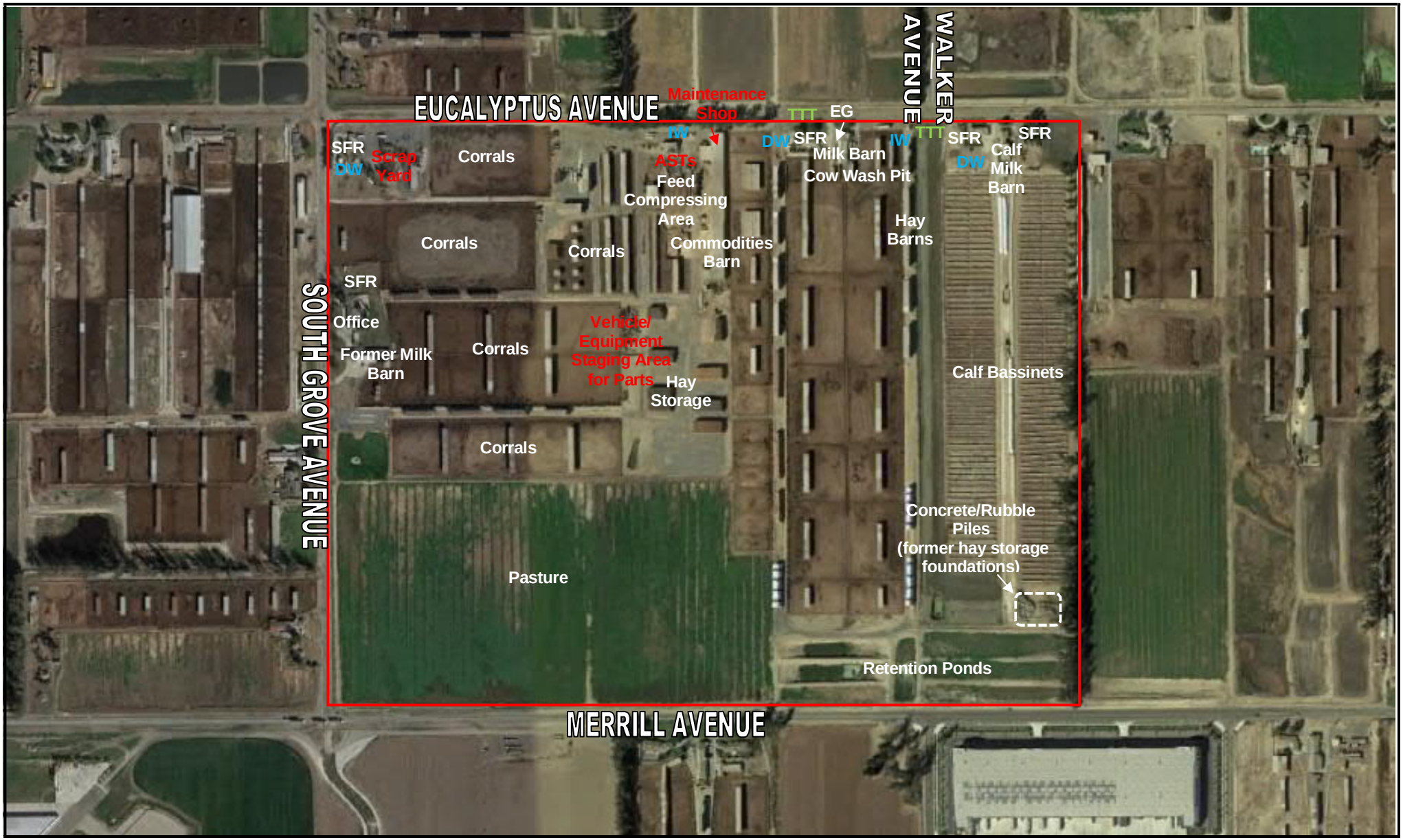
N

Drawing Not To Scale

KEY:
Subject Property

FIGURE 1: SITE LOCATION MAP
Project No. 17-180354.2

PARTNER



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GROUNDWATER FLOW

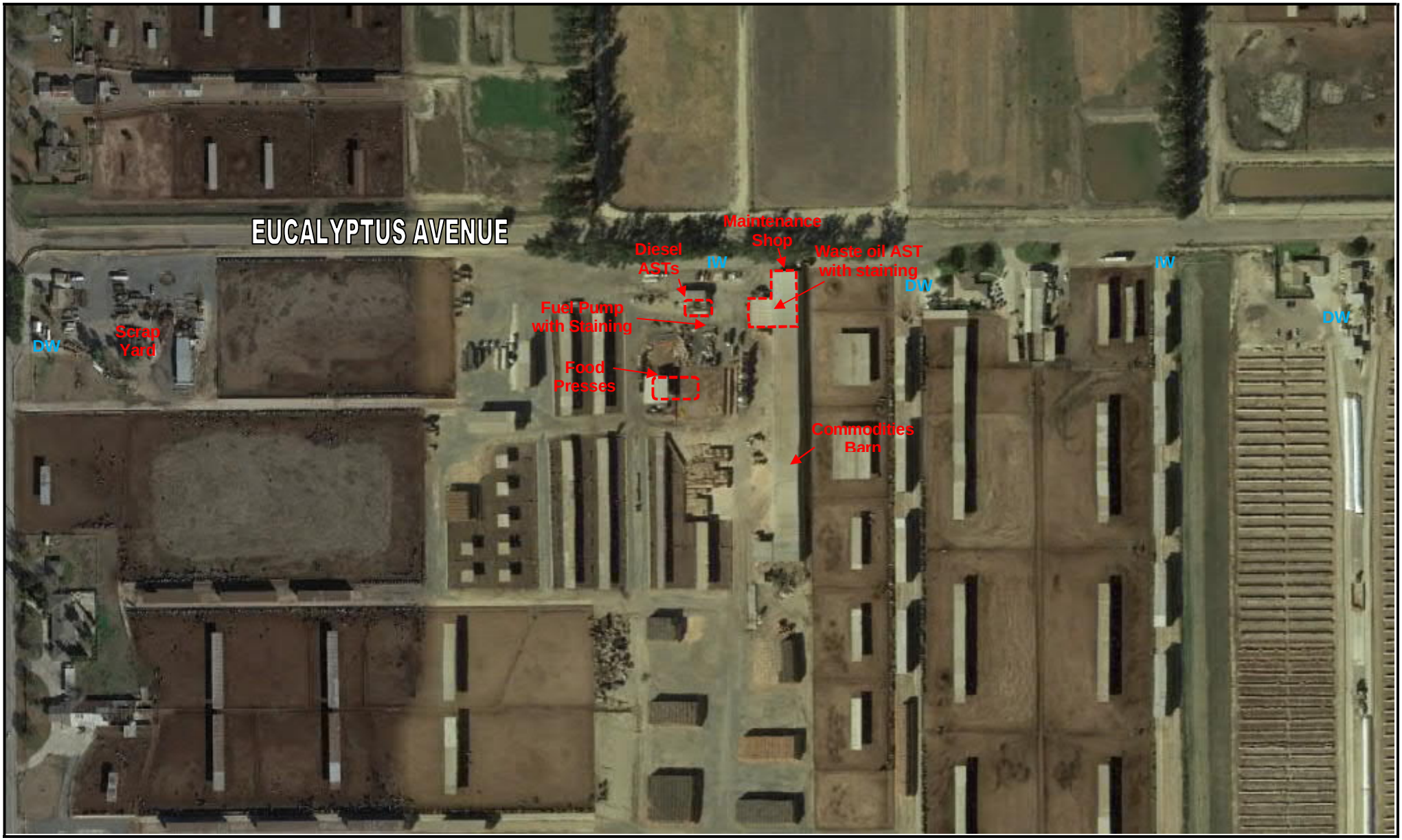
KEY:

Subject Property		Aboveground Storage Tanks	ASTs
Domestic Well	DW	Emergency Generator	EG
Irrigation Well	IW	Single Family Residence	SFR

FIGURE 2A: SITE PLAN

Project No. 17-180354.2

PARTNER



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GROUNDWATER FLOW

KEY:

Subject Property		
Domestic Well	DW	
Irrigation Well	IW	

Aboveground Storage Tanks ASTs

-1x 10,000-gallon diesel ; 3x 1,000-gallon diesel; 1x 500-gallon diesel

-Oil staining around base of the diesel fuel pump

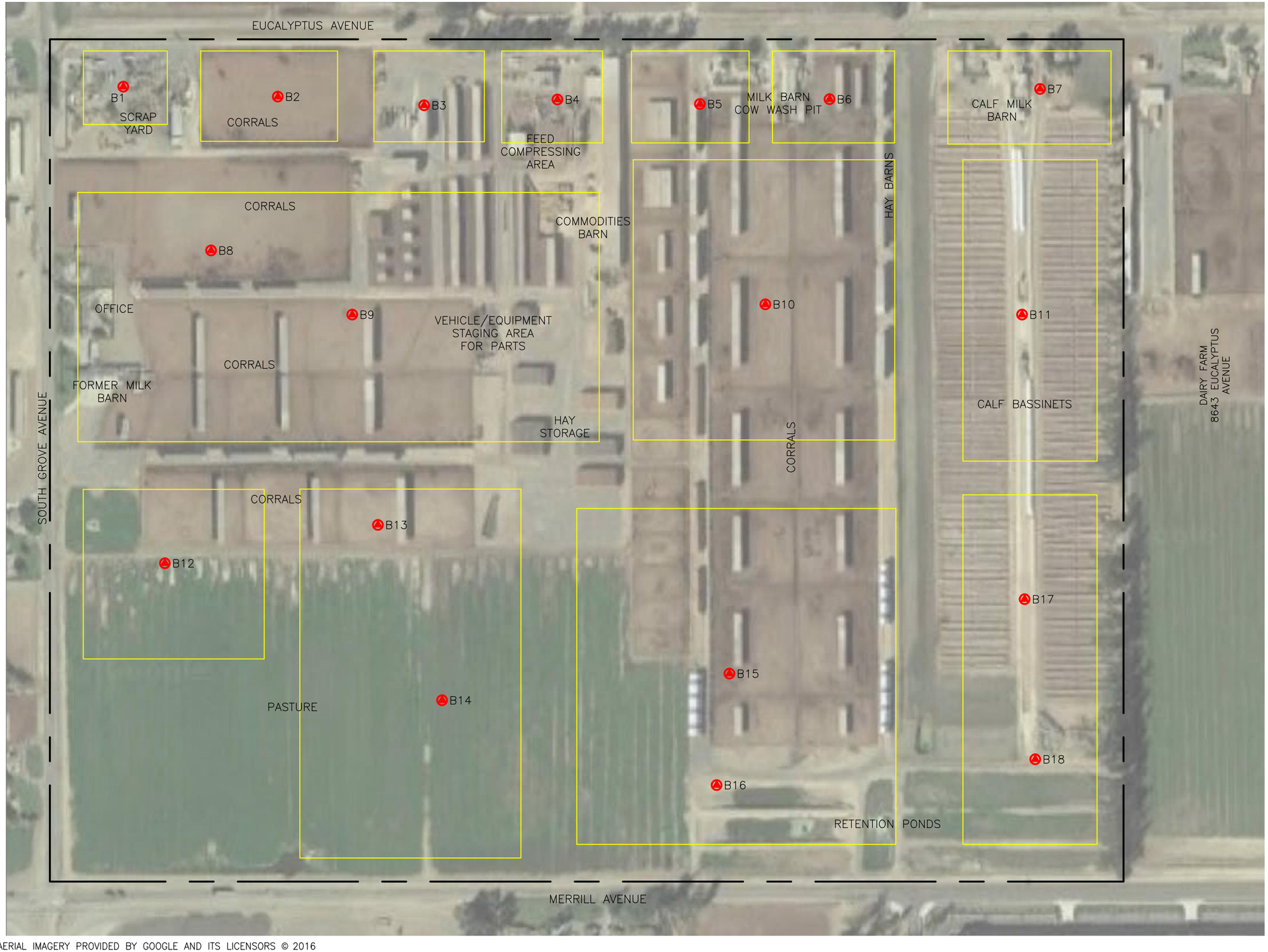
Maintenance Shop

-Several 1- to 5-gallon containers and 55-gallon drums of automotive fluids; 1x 500-gallon waste oil AST; 1x 275-gallon waste oil AST; 1x 275-gallon new motor oil AST; 1x 275-gallon hydraulic oil AST with staining on the concrete floor around the ASTs

FIGURE 2B: SITE DETAIL MAP – SCRAP METAL AND FILLING/MAINTENANCE AREAS

Project No. 17-180354.2

PARTNER



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LEGEND:

- PROPERTY LINE
- APPROXIMATE OUTLINE OF FUTURE CONSTRUCTION
- METHANE SAMPLING POINTS

NOTES:

– BGS = BELOW GROUND SURFACE

150' 0' 150' 300'

APPROXIMATE SCALE

TITLE:
SITE PLAN WITH METHANE SAMPLING LOCATIONS

FIGURE:	PREPARED BY:	DATE:	PROJECT NUMBER:
3a	DH	JUNE 2017	17–180354.2A

ADDRESS:
14545 SOUTH GROVE AVENUE
ONTARIO, CA 91762

PARTNER
Engineering and Science, Inc.
2154 TORRANCE BOULEVARD, SUITE 200
TORRANCE, CALIFORNIA 90501

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LEGEND:

- PROPERTY LINE
- APPROXIMATE OUTLINE OF FUTURE CONSTRUCTION
- HAND AUGERED BORINGS TO 4 FT BGS
- ENVIRONMENTAL SOIL BORINGS TO 12 FT BGS

N

50' 0' 50' 100'

APPROXIMATE SCALE

Site Plan with Sampling Locations - Scrap Metal and Filling/Maintenance Area

3b	DH	JUNE 2017	17-180354.2A

ADDRESS:
14545 GROVE AVENUE
ONTARIO, CALIFORNIA 91762

PARTNER
Engineering and Science, Inc.
2154 TORRANCE BOULEVARD, SUITE 200
TORRANCE, CALIFORNIA 90501

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LEGEND:

- PROPERTY LINE
- APPROXIMATE OUTLINE OF FUTURE CONSTRUCTION
- HAND AUGERED BORINGS TO 4 FT BGS
- ENVIRONMENTAL SOIL BORINGS TO 12 FT BGS

N

50' 0' 50' 100'

APPROXIMATE SCALE

Site Plan with Sampling Locations - Scrap Metal Area

FIG	PREPARED BY:	DATE:	PROJECT NUMBER:
3c	DH	JUNE 2017	17-180354.2A

ADDRESS:
14545 GROVE AVENUE
ONTARIO, CALIFORNIA 91762

PARTNER
Engineering and Science, Inc.
2154 TORRANCE BOULEVARD, SUITE 200
TORRANCE, CALIFORNIA 90501

APPENDIX A: BORING LOGS

PARTNER

BORING LOG

BORING: SB-1

TOTAL DEPTH: 12'

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Borba Land Phase II and Methane Investigation	DEPTH TO GROUNDWATER:	N/A
LOCATION:	Exterior Diesel AST/Pump	RIG TYPE:	Limited Access Geoprobe
SITE ADDRESS:	14545 South Grove Avenue	METHOD OF DRILLING:	Direct Push
	Ontario, CA 91762	SAMPLING METHODS:	4oz glass jars and 40mL glass VOAs
JOB NO.:	17-180354.2	BORING DIAMETER:	2"
DATES DRILLED:	5/30/2017	FIELD TECHNICIAN:	D.H.

DEPTH	SAMPLE	PID (ppm)	USCS	SOIL TYPE	SOIL TYPE	WELL DESIGN	WELL DESCRIPTION
0	SB1-2	0.0			SILTY SAND, brown, fine grained, loose, moist	Hydrated Bentonite Chips	
		0.2			- with reddish staining at 1'		
5	SB1-5	0.1		SM			
		0.1					
10	SB1-12				SILTY SAND, brown, fine grained, compact, wet	Granular Bentonite	
		0.3			Boring terminated at 12'		
15							

NOTES:

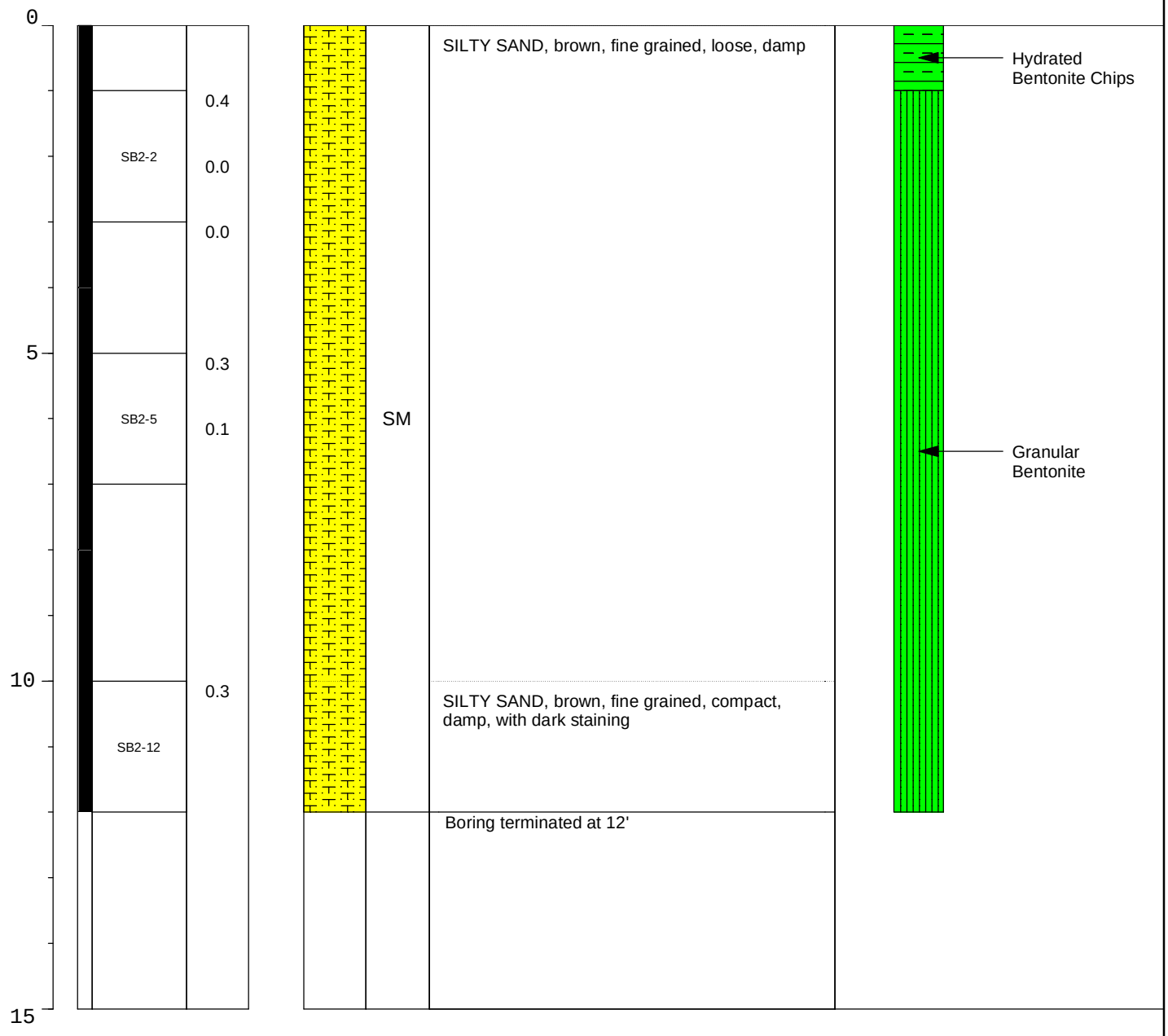
BORING LOG

BORING: SB-2

TOTAL DEPTH: 12'

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Borba Land Phase II and Methane Investigation	DEPTH TO GROUNDWATER:	N/A
LOCATION:	Exterior of AST Berm	RIG TYPE:	Limited Access Geoprobe
SITE ADDRESS:	14545 South Grove Avenue	METHOD OF DRILLING:	Direct Push
	Ontario, CA 91762	SAMPLING METHODS:	4oz glass jars and 40mL glass VOAs
JOB NO.:	17-180354.2	BORING DIAMETER:	2"
DATES DRILLED:	5/30/2017	FIELD TECHNICIAN:	D.H.



NOTES:

BORING LOG

BORING: SB-3

TOTAL DEPTH: 12'

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Borba Land Phase II and Methane Investigation	DEPTH TO GROUNDWATER:	N/A
LOCATION:	Exterior of AST Berm	RIG TYPE:	Limited Access Geoprobe
SITE ADDRESS:	14545 South Grove Avenue	METHOD OF DRILLING:	Direct Push
	Ontario, CA 91762	SAMPLING METHODS:	4oz glass jars and 40mL glass VOAs
JOB NO.:	17-180354.2	BORING DIAMETER:	2"
DATES DRILLED:	5/30/2017	FIELD TECHNICIAN:	D.H.

DEPTH	SAMPLE	PID (ppm)	USCS	SOIL TYPE	SOIL TYPE	WELL DESIGN	WELL DESCRIPTION
0	SB3-2	0.0			SILTY SAND, brown, fine grained, loose, moist		Hydrated Bentonite Chips
		0.1					
5	SB3-5	0.2		SM			
		0.2					Granular Bentonite
10	SB3-12	0.0			SILTY SAND, brown, fine grained, compact, moist, with dark staining		
		0.1					
15					Boring terminated at 12'		

NOTES:

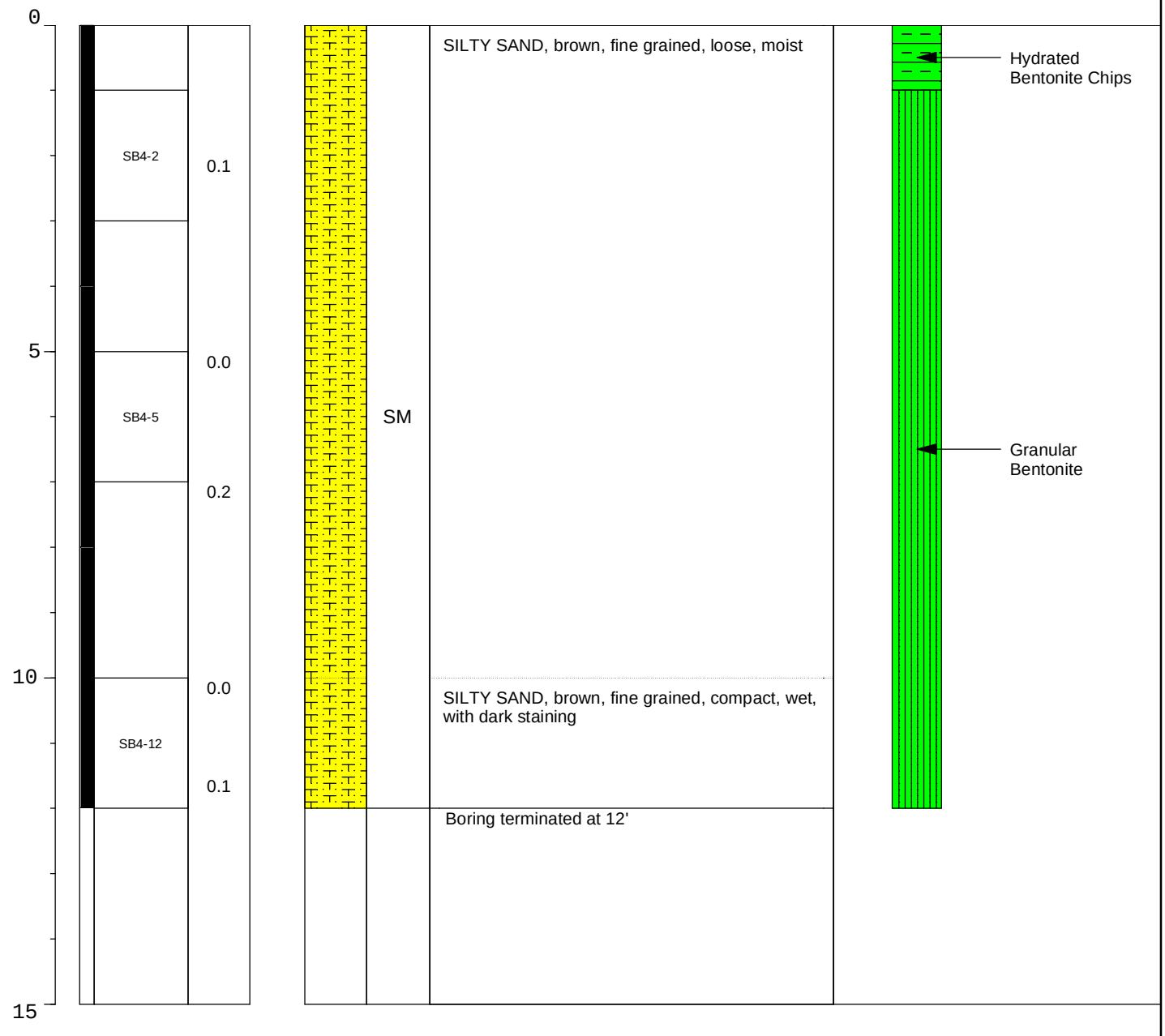
BORING LOG

BORING: SB-4

TOTAL DEPTH: 12'

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Borba Land Phase II and Methane Investigation	DEPTH TO GROUNDWATER:	N/A
LOCATION:	Stand-alone pump	RIG TYPE:	Limited Access Geoprobe
SITE ADDRESS:	14545 South Grove Avenue	METHOD OF DRILLING:	Direct Push
	Ontario, CA 91762	SAMPLING METHODS:	4oz glass jars and 40mL glass VOAs
JOB NO.:	17-180354.2	BORING DIAMETER:	2"
DATES DRILLED:	5/30/2017	FIELD TECHNICIAN:	D.H.



NOTES:

BORING LOG

BORING: SB-5

TOTAL DEPTH: 12'

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Borba Land Phase II and Methane Investigation	DEPTH TO GROUNDWATER:	N/A
LOCATION:	Hose dispenser	RIG TYPE:	Limited Access Geoprobe
SITE ADDRESS:	14545 South Grove Avenue	METHOD OF DRILLING:	Direct Push
	Ontario, CA 91762	SAMPLING METHODS:	4oz glass jars and 40mL glass VOAs
JOB NO.:	17-180354.2	BORING DIAMETER:	2"
DATES DRILLED:	5/30/2017	FIELD TECHNICIAN:	D.H.

DEPTH	SAMPLE	PID (ppm)	USCS	SOIL TYPE	SOIL TYPE	WELL DESIGN	WELL DESCRIPTION
0	SB5-2	0.0	SM	SM	SILTY SAND, brown, fine grained, loose, moist	Hydrated Bentonite Chips	
		0.0					
5	SB5-5	0.2					
		0.0				Granular Bentonite	
10	SB5-12	0.2			SILTY SAND, brown, fine grained, compact, moist		
		0.3			Boring terminated at 12'		
15							

NOTES:

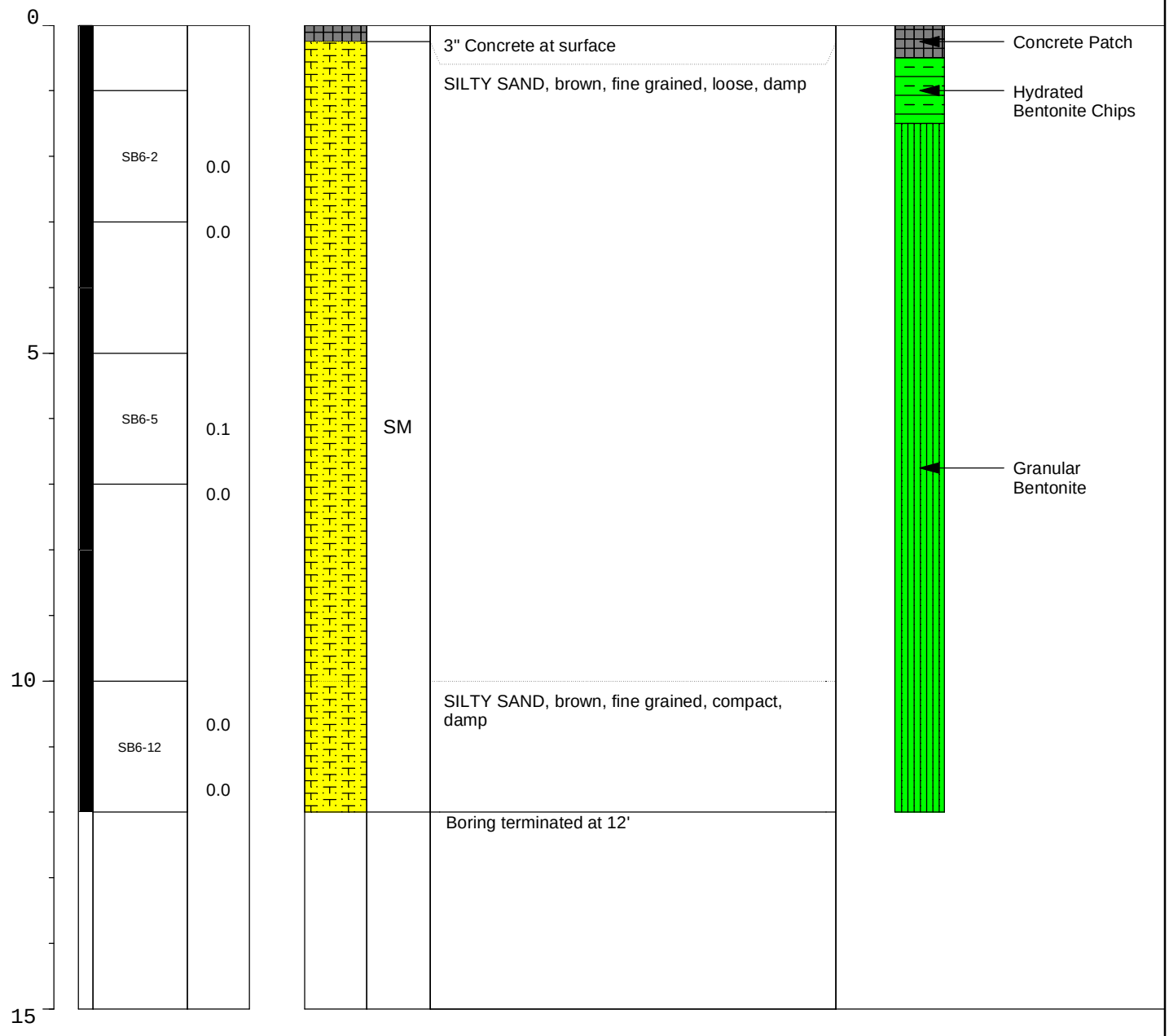
BORING LOG

BORING: SB-6

TOTAL DEPTH: 12'

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Borba Land Phase II and Methane Investigation	DEPTH TO GROUNDWATER:	N/A
LOCATION:	Waste oil AST in Maintenance Shop	RIG TYPE:	Limited Access Geoprobe
SITE ADDRESS:	14545 South Grove Avenue	METHOD OF DRILLING:	Direct Push
	Ontario, CA 91762	SAMPLING METHODS:	4oz glass jars and 40mL glass VOAs
JOB NO.:	17-180354.2	BORING DIAMETER:	2"
DATES DRILLED:	5/30/2017	FIELD TECHNICIAN:	D.H.



NOTES:

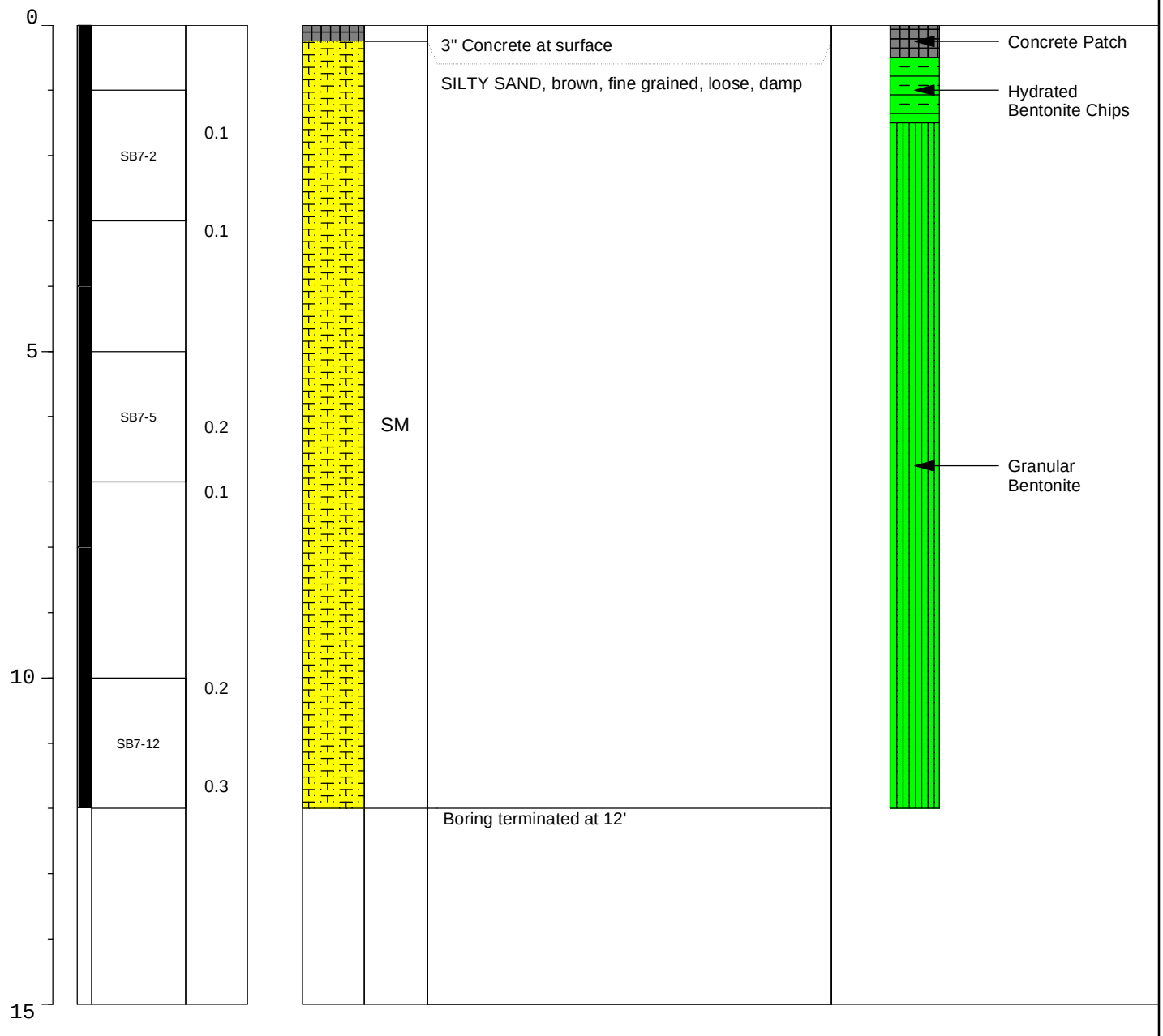
BORING LOG

BORING: SB-7

TOTAL DEPTH: 12'

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Borba Land Phase II and Methane Investigation	DEPTH TO GROUNDWATER:	N/A
LOCATION:	Waste oil AST in Maintenance Shop	RIG TYPE:	Limited Access Geoprobe
SITE ADDRESS:	14545 South Grove Avenue	METHOD OF DRILLING:	Direct Push
	Ontario, CA 91762	SAMPLING METHODS:	4oz glass jars and 40mL glass VOAs
JOB NO.:	17-180354.2	BORING DIAMETER:	2"
DATES DRILLED:	5/30/2017	FIELD TECHNICIAN:	D.H.



NOTES:

BORING LOG

BORING: SS-1

TOTAL DEPTH: 4'

PARTNER Engineering and Science, Inc.
2154 Torrance Boulevard, Suite 200
Torrance, California 90501

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Borba Land Phase II and Methane Investigation	DEPTH TO GROUNDWATER:	N/A
LOCATION:	Scrap metal piles - West	RIG TYPE:	N/A
SITE ADDRESS:	14545 South Grove Avenue	METHOD OF DRILLING:	Hand Auger
	Ontario, CA 91762	SAMPLING METHODS:	4oz glass jars and 40mL glass VOAs
JOB NO.:	17-180354.2	BORING DIAMETER:	3"
DATES DRILLED:	5/30/2017	FIELD TECHNICIAN:	D.H.

DEPTH	SAMPLE	PID (ppm)	USCS	SOIL TYPE	SOIL TYPE	WELL DESIGN	WELL DESCRIPTION
0	SS1-2	0.2		SM	SILTY SAND with Gravel, brown, fine grained, compact, moist		Backfilled Soil
	SS1-4	0.0			SILTY SAND with trace Gravel, brown, fine to medium grained, compact, moist		
5					Boring terminated at 4'		
10							
15							

NOTES:

BORING LOG

BORING: SS-2

TOTAL DEPTH: 4'

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PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Borba Land Phase II and Methane Investigation	DEPTH TO GROUNDWATER:	N/A
LOCATION:	Scrap metal piles - North	RIG TYPE:	N/A
SITE ADDRESS:	14545 South Grove Avenue	METHOD OF DRILLING:	Hand Auger
	Ontario, CA 91762	SAMPLING METHODS:	4oz glass jars and 40mL glass VOAs
JOB NO.:	17-180354.2	BORING DIAMETER:	3"
DATES DRILLED:	5/30/2017	FIELD TECHNICIAN:	D.H.

DEPTH	SAMPLE	PID (ppm)	USCS	SOIL TYPE	SOIL TYPE	WELL DESIGN	WELL DESCRIPTION
0	SS2-2	0.0		SM	SILTY SAND with trace Gravel, brown, fine to medium grained, loose, moist		Backfilled Soil
	SS2-4	0.0			Boring terminated at 4'		
5							
10							
15							

NOTES:

BORING LOG

BORING: SS-3

TOTAL DEPTH: 4'

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PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Borba Land Phase II and Methane Investigation	DEPTH TO GROUNDWATER:	N/A
LOCATION:	Scrap metal piles - East	RIG TYPE:	N/A
SITE ADDRESS:	14545 South Grove Avenue	METHOD OF DRILLING:	Hand Auger
	Ontario, CA 91762	SAMPLING METHODS:	4oz glass jars and 40mL glass VOAs
JOB NO.:	17-180354.2	BORING DIAMETER:	3"
DATES DRILLED:	5/30/2017	FIELD TECHNICIAN:	D.H.

DEPTH	SAMPLE	PID (ppm)	USCS	SOIL TYPE	SOIL TYPE	WELL DESIGN	WELL DESCRIPTION
0	SS3-2	0.0		SM	SILTY SAND with trace Gravel, brown, fine grained, loose, moist		Backfilled Soil
	SS3-4	0.0			Boring terminated at 4'		
5							
10							
15							

NOTES:

BORING LOG

BORING: SS-4

TOTAL DEPTH: 4'

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PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	Borba Land Phase II and Methane Investigation	DEPTH TO GROUNDWATER:	N/A
LOCATION:	Scrap metal piles - South	RIG TYPE:	N/A
SITE ADDRESS:	14545 South Grove Avenue	METHOD OF DRILLING:	Hand Auger
	Ontario, CA 91762	SAMPLING METHODS:	4oz glass jars and 40mL glass VOAs
JOB NO.:	17-180354.2	BORING DIAMETER:	3"
DATES DRILLED:	5/30/2017	FIELD TECHNICIAN:	D.H.

DEPTH	SAMPLE	PID (ppm)	USCS	SOIL TYPE	SOIL TYPE	WELL DESIGN	WELL DESCRIPTION
0	SS4-2	0.0		SM	SILTY SAND, brown, fine grained, loose, moist		Backfilled Soil
	SS4-4	0.0			Boring terminated at 4'		
5							
10							
15							

NOTES:

APPENDIX B: LABORATORY ANALYICAL REPORTS

PARTNER

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	5/30/2017 6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/1,5,6,9/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

ANALYSES REQUESTED

1. EPA 8015M – Extended Range Hydrocarbons
2. EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics
3. EPA 6010B by 3050B and EPA 7471A – CAM 17 Metals

Approval:

Carolyn Carroll
Stationary Lab Manager

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No.:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	5/30/2017 6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/6/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

EPA 8015M - Extended Range Hydrocarbons

Sample ID:	**SB1-2**	**SB1-5**	**SB2-2**	**SB2-5**	**SB3-2**		
JEL ID:	**ST-10692-01**	**ST-10692-02**	**ST-10692-04**	**ST-10692-05**	**ST-10692-07**	**Practical Quantitation Limit**	**Units**
Carbon Chain Range							
C10 - C11	ND	ND	ND	ND	ND	1.0	mg/kg
C12 - C13	ND	ND	ND	ND	ND	1.0	mg/kg
C14 - C15	ND	ND	ND	ND	ND	1.0	mg/kg
C16 - C17	ND	ND	ND	ND	ND	1.0	mg/kg
C18 - C19	ND	ND	ND	ND	ND	1.0	mg/kg
C20 - C23	ND	ND	ND	ND	ND	1.0	mg/kg
C24 - C27	ND	ND	ND	ND	ND	1.0	mg/kg
C28 - C31	ND	ND	ND	ND	ND	1.0	mg/kg
C32 - C35	ND	ND	ND	ND	ND	1.0	mg/kg
C36 - C39	ND	ND	ND	ND	ND	1.0	mg/kg
C40 - C43	ND	ND	ND	ND	ND	1.0	mg/kg
Total	ND	ND	ND	ND	ND		mg/kg
Dilution Factor	1	1	1	1	1		
Surrogate Recovery:						**QC Limits**	
Hexacosane	114%	114%	113%	114%	116%	30 - 120	
Batch:	8015_ 170603_02	8015_ 170603_02	8015_ 170603_02	8015_ 170603_02	8015_ 170603_02		

ND = Not Detected

C10 - C11	ND	ND	ND	ND	ND		mg/kg
C12 - C23	ND	ND	ND	ND	ND		mg/kg
C24 - C31	ND	ND	ND	ND	ND		mg/kg

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LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No.:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	5/30/2017 6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/6/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

EPA 8015M - Extended Range Hydrocarbons

Sample ID:	**SB3-5**	**SB4-2**	**SB4-5**	**SB5-2**	**SB5-5**		
JEL ID:	**ST-10692-08**	**ST-10692-10**	**ST-10692-11**	**ST-10692-13**	**ST-10692-14**	**Practical Quantitation Limit**	**Units**
Carbon Chain Range							
C10 - C11	ND	ND	ND	ND	ND	1.0	mg/kg
C12 - C13	ND	ND	ND	ND	ND	1.0	mg/kg
C14 - C15	ND	ND	ND	ND	ND	1.0	mg/kg
C16 - C17	ND	ND	ND	ND	ND	1.0	mg/kg
C18 - C19	ND	ND	ND	ND	ND	1.0	mg/kg
C20 - C23	ND	ND	ND	ND	ND	1.0	mg/kg
C24 - C27	ND	ND	ND	ND	ND	1.0	mg/kg
C28 - C31	ND	ND	ND	ND	ND	1.0	mg/kg
C32 - C35	ND	ND	ND	ND	ND	1.0	mg/kg
C36 - C39	ND	ND	ND	ND	ND	1.0	mg/kg
C40 - C43	ND	ND	ND	ND	ND	1.0	mg/kg
Total	ND	ND	ND	ND	ND		mg/kg
Dilution Factor	1	1	1	1	1		
Surrogate Recovery:						**QC Limits**	
Hexacosane	115%	115%	115%	118%	117%	30 - 120	
Batch:	8015_ 170603_02	8015_ 170603_02	8015_ 170603_02	8015_ 170603_02	8015_ 170603_02		

ND = Not Detected

C10 - C11	ND	ND	ND	ND	ND	mg/kg
C12 - C23	ND	ND	ND	ND	ND	mg/kg
C24 - C31	ND	ND	ND	ND	ND	mg/kg

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LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No.:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	5/30/2017 6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/6/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

EPA 8015M - Extended Range Hydrocarbons

Sample ID:	**SB6-2**	**SB6-5**	**SB7-2**	**SB7-5**	**SS1-2**		
JEL ID:	**ST-10692-16**	**ST-10692-17**	**ST-10692-19**	**ST-10692-20**	**ST-10692-22**	**Practical Quantitation Limit**	**Units**
Carbon Chain Range							
C10 - C11	ND	ND	ND	ND	ND	1.0	mg/kg
C12 - C13	ND	ND	ND	ND	ND	1.0	mg/kg
C14 - C15	ND	ND	ND	ND	ND	1.0	mg/kg
C16 - C17	ND	ND	ND	ND	ND	1.0	mg/kg
C18 - C19	ND	ND	ND	ND	ND	1.0	mg/kg
C20 - C23	ND	ND	ND	ND	ND	1.0	mg/kg
C24 - C27	ND	ND	ND	ND	ND	1.0	mg/kg
C28 - C31	ND	ND	ND	ND	ND	1.0	mg/kg
C32 - C35	ND	ND	ND	ND	ND	1.0	mg/kg
C36 - C39	ND	ND	ND	ND	ND	1.0	mg/kg
C40 - C43	ND	ND	ND	ND	ND	1.0	mg/kg
Total	ND	ND	ND	ND	ND		mg/kg
Dilution Factor	1	1	1	1	1		
Surrogate Recovery:						**QC Limits**	
Hexacosane	117%	118%	104%	107%	106%	30 - 120	
Batch:	8015_ 170603_02	8015_ 170603_02	8015_ 170603_02	8015_ 170603_02	8015_ 170603_02		

ND = Not Detected

C10 - C11	ND	ND	ND	ND	ND	mg/kg
C12 - C23	ND	ND	ND	ND	ND	mg/kg
C24 - C31	ND	ND	ND	ND	ND	mg/kg

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No.:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	5/30/2017 6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/6/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

EPA 8015M - Extended Range Hydrocarbons

Sample ID:	**SS2-2**	**SS3-2**	**SS4-2**		
JEL ID:	**ST-10692-24**	**ST-10692-26**	**ST-10692-28**	**Practical Quantitation Limit**	**Units**
Carbon Chain Range					
C10 - C11	ND	ND	ND	1.0	mg/kg
C12 - C13	ND	ND	ND	1.0	mg/kg
C14 - C15	ND	ND	ND	1.0	mg/kg
C16 - C17	ND	ND	ND	1.0	mg/kg
C18 - C19	ND	ND	ND	1.0	mg/kg
C20 - C23	ND	ND	ND	1.0	mg/kg
C24 - C27	ND	ND	ND	1.0	mg/kg
C28 - C31	ND	ND	ND	1.0	mg/kg
C32 - C35	ND	ND	ND	1.0	mg/kg
C36 - C39	ND	ND	ND	1.0	mg/kg
C40 - C43	ND	ND	ND	1.0	mg/kg
Total	ND	ND	ND		mg/kg
Dilution Factor	1	1	1		
Surrogate Recovery:				**QC Limits**	
Hexacosane	106%	105%	105%	30 - 120	
Batch:	8015_ 170603_02	8015_ 170603_02	8015_ 170603_02		

ND = Not Detected

C10 - C11	ND	ND	ND	mg/kg
C12 - C23	ND	ND	ND	mg/kg
C24 - C31	ND	ND	ND	mg/kg

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No.:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	5/30/2017 6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/6/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

EPA 8015M - Extended Range Hydrocarbons

Sample ID:	**METHOD BLANK**		
JEL ID:	**MB-170603_02**	**Practical Quantitation Limit**	**Units**
Carbon Chain Range			
C10 - C11	ND	1.0	mg/kg
C12 - C13	ND	1.0	mg/kg
C14 - C15	ND	1.0	mg/kg
C16 - C17	ND	1.0	mg/kg
C18 - C19	ND	1.0	mg/kg
C20 - C23	ND	1.0	mg/kg
C24 - C27	ND	1.0	mg/kg
C28 - C31	ND	1.0	mg/kg
C32 - C35	ND	1.0	mg/kg
C36 - C39	ND	1.0	mg/kg
C40 - C43	ND	1.0	mg/kg
Total	ND		mg/kg
Dilution Factor	1		
Surrogate Recovery:		**QC Limits**	
Hexacosane	122%	30 - 120	
Batch:	8015_170603_02		

ND = Not Detected

C10 - C11	ND	mg/kg
C12 - C23	ND	mg/kg
C24 - C31	ND	mg/kg

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No.:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	5/30/2017 6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/6/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

BATCH: 8015_170603_02 **Prepared:** 6/3/2017 **Analyzed:** 6/6/2017

EPA 8015M - Extended Range Hydrocarbons

	Result	Spike Level	Source Result	% Recovery	% RPD	% Recovery Limits	Units
LCS:	LCS-170603_02		**SAMPLE SPIKED:**	CLEAN SOIL			
Analyte:							
Diesel	**647**	600	ND	108%		60 - 140	mg/kg
Surrogate Recovery:							
Hexacosane				101%		30 - 120	
LCSD:	LCSD-170603_02		**SAMPLE SPIKED:**	CLEAN SOIL			
Analyte:							
Diesel	**622**	600	ND	104%	3.9%	60 - 140	mg/kg
Surrogate Recoveries:							
Hexacosane				109%		30 - 120	

LCS = Laboratory Control Sample
RPD = Relative Percent Difference

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No.:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	5/30/2017 6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/1/2017
Project Address:	14545 Grove Ave. Ontario, CA 91762	**Physical State:**	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**SB6-2**	**SB6-5**	**SB7-2**	**SB7-5**	**SS1-2**		
JEL ID:	**ST-10692-16**	**ST-10692-17**	**ST-10692-19**	**ST-10692-20**	**ST-10692-22**	**Practical Quantitation Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**SB6-2**	**SB6-5**	**SB7-2**	**SB7-5**	**SS1-2**		
JEL ID:	**ST-10692-16**	**ST-10692-17**	**ST-10692-19**	**ST-10692-20**	**ST-10692-22**	**Practical Quantitation Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	ND	ND	ND	1.0	µg/kg
o-Xylene	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	117%	117%	113%	116%	117%	60 - 140	
Toluene-d_8	109%	110%	106%	109%	107%	60 - 140	
4-Bromofluorobenzene	113%	114%	114%	114%	111%	60 - 140	
	VOC3-060117-CHECKS	VOC3-060117-CHECKS	VOC3-060117-CHECKS	VOC3-060117-CHECKS	VOC3-060117-CHECKS		

ND= Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No.:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	5/30/2017 6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/1/2017
Project Address:	14545 Grove Ave. Ontario, CA 91762	**Physical State:**	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**SS1-4**	**SS2-2**	**SS2-4**	**SS3-2**	**SS3-4**		
JEL ID:	**ST-10692-23**	**ST-10692-24**	**ST-10692-25**	**ST-10692-26**	**ST-10692-27**	**Practical Quantitation Limit**	**Units**
Analytes:							
Benzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
Bromoform	ND	ND	ND	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	ND	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Chloroform	ND	ND	ND	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**SS1-4**	**SS2-2**	**SS2-4**	**SS3-2**	**SS3-4**		
JEL ID:	**ST-10692-23**	**ST-10692-24**	**ST-10692-25**	**ST-10692-26**	**ST-10692-27**	**Practical Quantitation Limit**	**Units**
Analytes:							
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Freon 113	ND	ND	ND	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	ND	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	ND	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	ND	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	ND	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Styrene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Toluene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	ND	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	ND	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	ND	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	ND	ND	ND	1.0	µg/kg
o-Xylene	ND	ND	ND	ND	ND	1.0	µg/kg
MTBE	ND	ND	ND	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	ND	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	ND	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	ND	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	ND	ND	ND	0.20	mg/kg
Dilution Factor	1	1	1	1	1		
Surrogate Recoveries:						**QC Limits**	
Dibromofluoromethane	111%	116%	114%	117%	116%	60 - 140	
Toluene-d_8	101%	105%	105%	109%	107%	60 - 140	
4-Bromofluorobenzene	107%	111%	115%	115%	112%	60 - 140	
	VOC3-060117-CHECKS	VOC3-060117-CHECKS	VOC3-060117-CHECKS	VOC3-060117-CHECKS	VOC3-060117-CHECKS		

ND= Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No.:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:**	5/30/2017
		Date Received:	6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/1/2017
Project Address:	14545 Grove Ave. Ontario, CA 91762	**Physical State:**	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**SS4-2**	**SS4-4**		
JEL ID:	**ST-10692-28**	**ST-10692-29**	**Practical Quantitation Limit**	**Units**
Analytes:				
Benzene	ND	ND	1.0	µg/kg
Bromobenzene	ND	ND	1.0	µg/kg
Bromodichloromethane	ND	ND	1.0	µg/kg
Bromoform	ND	ND	1.0	µg/kg
n-Butylbenzene	ND	ND	1.0	µg/kg
sec-Butylbenzene	ND	ND	1.0	µg/kg
tert-Butylbenzene	ND	ND	1.0	µg/kg
Carbon tetrachloride	ND	ND	1.0	µg/kg
Chlorobenzene	ND	ND	1.0	µg/kg
Chloroform	ND	ND	1.0	µg/kg
2-Chlorotoluene	ND	ND	1.0	µg/kg
4-Chlorotoluene	ND	ND	1.0	µg/kg
Dibromochloromethane	ND	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	ND	1.0	µg/kg
Dibromomethane	ND	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	ND	5.0	µg/kg
1,1-Dichloroethane	ND	ND	1.0	µg/kg
1,2-Dichloroethane	ND	ND	1.0	µg/kg
1,1-Dichloroethene	ND	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	ND	1.0	µg/kg
1,2-Dichloropropane	ND	ND	1.0	µg/kg
1,3-Dichloropropane	ND	ND	1.0	µg/kg
2,2-Dichloropropane	ND	ND	1.0	µg/kg
1,1-Dichloropropene	ND	ND	1.0	µg/kg

JONES ENVIRONMENTAL LABORATORY RESULTS

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**SS4-2**	**SS4-4**		
JEL ID:	**ST-10692-28**	**ST-10692-29**	**Practical Quantitation Limit**	**Units**
Analytes:				
cis-1,3-Dichloropropene	ND	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	ND	1.0	µg/kg
Ethylbenzene	ND	ND	1.0	µg/kg
Freon 113	ND	ND	5.0	µg/kg
Hexachlorobutadiene	ND	ND	1.0	µg/kg
Isopropylbenzene	ND	ND	1.0	µg/kg
4-Isopropyltoluene	ND	ND	1.0	µg/kg
Methylene chloride	ND	ND	1.0	µg/kg
Naphthalene	ND	ND	1.0	µg/kg
n-Propylbenzene	ND	ND	1.0	µg/kg
Styrene	ND	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	ND	1.0	µg/kg
Tetrachloroethylene	ND	ND	1.0	µg/kg
Toluene	ND	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	ND	1.0	µg/kg
Trichloroethylene	ND	ND	1.0	µg/kg
Trichlorofluoromethane	ND	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	**1.0**	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	ND	1.0	µg/kg
Vinyl chloride	ND	ND	1.0	µg/kg
m,p-Xylene	ND	ND	1.0	µg/kg
o-Xylene	ND	ND	1.0	µg/kg
MTBE	ND	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	ND	5.0	µg/kg
Di-isopropylether	ND	ND	5.0	µg/kg
tert-amylmethylether	ND	ND	5.0	µg/kg
tert-Butylalcohol	ND	ND	50.0	µg/kg
Gasoline Range Organics	ND	ND	0.20	mg/kg
Dilution Factor	1	1		
Surrogate Recoveries:			**QC Limits**	
Dibromofluoromethane	114%	114%	60 - 140	
Toluene-d_8	106%	104%	60 - 140	
4-Bromofluorobenzene	114%	108%	60 - 140	
	VOC3-060117-CHECKS	VOC3-060117-CHECKS		

ND= Not Detected

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No.:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:**	5/30/2017
		Date Received:	6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/1/2017
Project Address:	14545 Grove Ave. Ontario, CA 91762	**Physical State:**	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**METHOD BLANK**		
JEL ID:	**060117-V3MB1**	**Practical Quantitation Limit**	**Units**
Analytes:			
Benzene	ND	1.0	µg/kg
Bromobenzene	ND	1.0	µg/kg
Bromodichloromethane	ND	1.0	µg/kg
Bromoform	ND	1.0	µg/kg
n-Butylbenzene	ND	1.0	µg/kg
sec-Butylbenzene	ND	1.0	µg/kg
tert-Butylbenzene	ND	1.0	µg/kg
Carbon tetrachloride	ND	1.0	µg/kg
Chlorobenzene	ND	1.0	µg/kg
Chloroform	ND	1.0	µg/kg
2-Chlorotoluene	ND	1.0	µg/kg
4-Chlorotoluene	ND	1.0	µg/kg
Dibromochloromethane	ND	1.0	µg/kg
1,2-Dibromo-3-chloropropane	ND	1.0	µg/kg
1,2-Dibromoethane (EDB)	ND	1.0	µg/kg
Dibromomethane	ND	1.0	µg/kg
1,2- Dichlorobenzene	ND	1.0	µg/kg
1,3-Dichlorobenzene	ND	1.0	µg/kg
1,4-Dichlorobenzene	ND	1.0	µg/kg
Dichlorodifluoromethane	ND	5.0	µg/kg
1,1-Dichloroethane	ND	1.0	µg/kg
1,2-Dichloroethane	ND	1.0	µg/kg
1,1-Dichloroethene	ND	1.0	µg/kg
cis-1,2-Dichloroethene	ND	1.0	µg/kg
trans-1,2-Dichloroethene	ND	1.0	µg/kg
1,2-Dichloropropane	ND	1.0	µg/kg
1,3-Dichloropropane	ND	1.0	µg/kg
2,2-Dichloropropane	ND	1.0	µg/kg
1,1-Dichloropropene	ND	1.0	µg/kg

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID:	**METHOD BLANK**		
JEL ID:	**060117-V3MB1**	**Practical Quantitation Limit**	**Units**
Analytes:			
cis-1,3-Dichloropropene	ND	1.0	µg/kg
trans-1,3-Dichloropropene	ND	1.0	µg/kg
Ethylbenzene	ND	1.0	µg/kg
Freon 113	ND	5.0	µg/kg
Hexachlorobutadiene	ND	1.0	µg/kg
Isopropylbenzene	ND	1.0	µg/kg
4-Isopropyltoluene	ND	1.0	µg/kg
Methylene chloride	ND	1.0	µg/kg
Naphthalene	ND	1.0	µg/kg
n-Propylbenzene	ND	1.0	µg/kg
Styrene	ND	1.0	µg/kg
1,1,1,2-Tetrachloroethane	ND	1.0	µg/kg
1,1,2,2-Tetrachloroethane	ND	1.0	µg/kg
Tetrachloroethylene	ND	1.0	µg/kg
Toluene	ND	1.0	µg/kg
1,2,3-Trichlorobenzene	ND	1.0	µg/kg
1,2,4-Trichlorobenzene	ND	1.0	µg/kg
1,1,1-Trichloroethane	ND	1.0	µg/kg
1,1,2-Trichloroethane	ND	1.0	µg/kg
Trichloroethylene	ND	1.0	µg/kg
Trichlorofluoromethane	ND	5.0	µg/kg
1,2,3-Trichloropropane	ND	1.0	µg/kg
1,2,4-Trimethylbenzene	ND	1.0	µg/kg
1,3,5-Trimethylbenzene	ND	1.0	µg/kg
Vinyl chloride	ND	1.0	µg/kg
m,p-Xylene	ND	1.0	µg/kg
o-Xylene	ND	1.0	µg/kg
MTBE	ND	5.0	µg/kg
Ethyl-tert-butylether	ND	5.0	µg/kg
Di-isopropylether	ND	5.0	µg/kg
tert-amylmethylether	ND	5.0	µg/kg
tert-Butylalcohol	ND	50.0	µg/kg
Gasoline Range Organics	ND	0.20	mg/kg
Dilution Factor	1		

Surrogate Recoveries:		**QC Limits**
Dibromofluoromethane	109%	60 - 140
Toluene-d_8	98%	60 - 140
4-Bromofluorobenzene	107%	60 - 140

VOC3-060117-CHECKS

ND= Not Detected

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No.:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	5/30/2017 6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/1/2017
Project Address:	14545 Grove Ave. Ontario, CA 91762	**Physical State:**	Soil

EPA 8260B by 5035 – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample Spiked: CLEAN SOIL **GC#:** VOC3-060117-CHECKS

JEL ID:	**060117-V1MS1**	**060117-V1MSD1**			**060117-V1LCS1**	
Parameter	MS Recovery (%)	MSD Recovery (%)	RPD	Acceptability Range (%)	LCS	Acceptability Range (%)
Vinyl Chloride	119%	112%	6.0%	60 - 140	122%	70 - 130
1,1-Dichloroethylene	100%	99%	0.3%	60 - 140	101%	70 - 130
Cis-1,2-Dichloroethene	104%	105%	0.2%	70 - 130	103%	70 - 130
1,1,1-Trichloroethane	103%	100%	3.0%	70 - 130	102%	70 - 130
Benzene	104%	101%	2.3%	70 - 130	101%	70 - 130
Trichloroethylene	102%	94%	8.2%	70 - 130	99%	70 - 130
Toluene	95%	94%	0.5%	70 - 130	97%	70 - 130
Tetrachloroethene	105%	106%	0.7%	70 - 130	106%	70 - 130
Chlorobenzene	96%	93%	2.6%	70 - 130	96%	70 - 130
Ethylbenzene	98%	95%	3.7%	70 - 130	98%	70 - 130
1,2,4 Trimethylbenzene	100%	100%	0.4%	70 - 130	101%	70 - 130
Gasoline Range Organics	99%	98%	1.5%	70 - 130		
Surrogate Recovery:						
Dibromofluoromethane	96%	98%		60 - 140	94%	60 - 140
Toluene-d_8	107%	106%		60 - 140	101%	60 - 140
4-Bromofluorobenzene	108%	108%		60 - 140	109%	60 - 140

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:**	ST-10692
		Client Ref. No.:	17-180354
Attn:	Kathy Lehnus	**Date Sampled:**	5/30/2017
		Date Received:	6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/5,9/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

Sample ID: **SB6-2** **JEL ID:** **ST-10692-16**

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Silver, Ag	ND	1	I17060201	6/2/2017	6/5/2017	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	**77.8**	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	**7.9**	1	"	"	"	0.5	mg/kg
Chromium, Cr	**14.6**	1	"	"	"	0.5	mg/kg
Copper, Cu	**7.6**	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	**8.8**	1	"	"	"	0.5	mg/kg
Lead, Pb	**2.3**	1	"	"	"	0.5	mg/kg
Antimony, Sb	**4.3**	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	**34.5**	1	"	"	"	0.5	mg/kg
Zinc, Zn	**41.0**	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption*

	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Mercury, Hg	ND	1	H17060202	6/2/2017	6/9/2017	0.022	mg/kg

ND= Not Detected

JONES ENVIRONMENTAL, INC.

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:**	ST-10692
		Client Ref. No.:	17-180354
Attn:	Kathy Lehnus	**Date Sampled:**	5/30/2017
		Date Received:	6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/5,9/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

Sample ID: **SB6-5** **JEL ID:** **ST-10692-17**

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Silver, Ag	ND	1	I17060201	6/2/2017	6/5/2017	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	**107**	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	**9.0**	1	"	"	"	0.5	mg/kg
Chromium, Cr	**15.7**	1	"	"	"	0.5	mg/kg
Copper, Cu	**7.4**	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	**9.3**	1	"	"	"	0.5	mg/kg
Lead, Pb	**1.2**	1	"	"	"	0.5	mg/kg
Antimony, Sb	**4.9**	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	**36.6**	1	"	"	"	0.5	mg/kg
Zinc, Zn	**38.6**	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption*

	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Mercury, Hg	ND	1	H17060202	6/2/2017	6/9/2017	0.022	mg/kg

ND= Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:**	ST-10692
		Client Ref. No.:	17-180354
Attn:	Kathy Lehnus	**Date Sampled:**	5/30/2017
		Date Received:	6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/5,9/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

Sample ID: **SB7-2** **JEL ID:** **ST-10692-19**

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Silver, Ag	ND	1	I17060201	6/2/2017	6/5/2017	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	**82.7**	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	**9.0**	1	"	"	"	0.5	mg/kg
Chromium, Cr	**15.8**	1	"	"	"	0.5	mg/kg
Copper, Cu	**7.6**	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	**9.5**	1	"	"	"	0.5	mg/kg
Lead, Pb	**1.6**	1	"	"	"	0.5	mg/kg
Antimony, Sb	**4.7**	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	**37.8**	1	"	"	"	0.5	mg/kg
Zinc, Zn	**40.2**	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption*

	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Mercury, Hg	ND	1	H17060202	6/2/2017	6/9/2017	0.022	mg/kg

ND= Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:**	ST-10692
		Client Ref. No.:	17-180354
Attn:	Kathy Lehnus	**Date Sampled:**	5/30/2017
		Date Received:	6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/5,9/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

Sample ID: **SB7-5** **JEL ID:** **ST-10692-20**

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Silver, Ag	ND	1	I17060201	6/2/2017	6/5/2017	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	**154**	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	**12.6**	1	"	"	"	0.5	mg/kg
Chromium, Cr	**21.0**	1	"	"	"	0.5	mg/kg
Copper, Cu	**12.3**	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	**13.2**	1	"	"	"	0.5	mg/kg
Lead, Pb	**2.2**	1	"	"	"	0.5	mg/kg
Antimony, Sb	**6.9**	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	**49.9**	1	"	"	"	0.5	mg/kg
Zinc, Zn	**54.1**	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption*

	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Mercury, Hg	ND	1	H17060202	6/2/2017	6/9/2017	0.022	mg/kg

ND= Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:**	ST-10692
		Client Ref. No.:	17-180354
Attn:	Kathy Lehnus	**Date Sampled:**	5/30/2017
		Date Received:	6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/5,9/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

Sample ID: **SS1-2** **JEL ID:** **ST-10692-22**

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Silver, Ag	ND	1	I17060201	6/2/2017	6/5/2017	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	**75.4**	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	**9.3**	1	"	"	"	0.5	mg/kg
Chromium, Cr	**22.0**	1	"	"	"	0.5	mg/kg
Copper, Cu	**17.5**	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	**17.9**	1	"	"	"	0.5	mg/kg
Lead, Pb	**9.5**	1	"	"	"	0.5	mg/kg
Antimony, Sb	**5.7**	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	**39.8**	1	"	"	"	0.5	mg/kg
Zinc, Zn	**66.5**	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption*

	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Mercury, Hg	ND	1	H17060202	6/2/2017	6/9/2017	0.022	mg/kg

ND= Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:**	ST-10692
		Client Ref. No.:	17-180354
Attn:	Kathy Lehnus	**Date Sampled:**	5/30/2017
		Date Received:	6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/5,9/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

Sample ID: **SS2-2** **JEL ID:** **ST-10692-24**

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Silver, Ag	ND	1	I17060201	6/2/2017	6/5/2017	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	**95.5**	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	**7.5**	1	"	"	"	0.5	mg/kg
Chromium, Cr	**14.0**	1	"	"	"	0.5	mg/kg
Copper, Cu	**18.5**	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	**8.5**	1	"	"	"	0.5	mg/kg
Lead, Pb	**2.6**	1	"	"	"	0.5	mg/kg
Antimony, Sb	**4.1**	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	**31.5**	1	"	"	"	0.5	mg/kg
Zinc, Zn	**49.1**	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption*

	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Mercury, Hg	ND	1	H17060202	6/2/2017	6/9/2017	0.022	mg/kg

ND= Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:**	ST-10692
		Client Ref. No.:	17-180354
Attn:	Kathy Lehnus	**Date Sampled:**	5/30/2017
		Date Received:	6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/5,9/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

Sample ID: **SS3-2** **JEL ID:** **ST-10692-26**

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Silver, Ag	ND	1	I17060201	6/2/2017	6/5/2017	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	**94.7**	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	**0.6**	1	"	"	"	0.5	mg/kg
Cobalt, Co	**8.8**	1	"	"	"	0.5	mg/kg
Chromium, Cr	**17.4**	1	"	"	"	0.5	mg/kg
Copper, Cu	**10.2**	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	**10.2**	1	"	"	"	0.5	mg/kg
Lead, Pb	**3.1**	1	"	"	"	0.5	mg/kg
Antimony, Sb	**4.9**	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	**37.2**	1	"	"	"	0.5	mg/kg
Zinc, Zn	**43.7**	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption*

	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Mercury, Hg	ND	1	H17060202	6/2/2017	6/9/2017	0.022	mg/kg

ND= Not Detected

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No.:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	5/30/2017 6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/5,9/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

Sample ID: **SS4-2** **JEL ID:** **ST-10692-28**

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

Analytes:	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Silver, Ag	ND	1	I17060201	6/2/2017	6/5/2017	0.5	mg/kg
Arsenic, As	ND	1	"	"	"	0.5	mg/kg
Barium, Ba	**99.8**	1	"	"	"	0.5	mg/kg
Beryllium, Be	ND	1	"	"	"	0.5	mg/kg
Cadmium, Cd	ND	1	"	"	"	0.5	mg/kg
Cobalt, Co	**9.4**	1	"	"	"	0.5	mg/kg
Chromium, Cr	**17.0**	1	"	"	"	0.5	mg/kg
Copper, Cu	**9.9**	1	"	"	"	0.5	mg/kg
Molybdenum, Mo	ND	1	"	"	"	0.5	mg/kg
Nickel, Ni	**10.4**	1	"	"	"	0.5	mg/kg
Lead, Pb	**1.6**	1	"	"	"	0.5	mg/kg
Antimony, Sb	**5.2**	1	"	"	"	0.5	mg/kg
Selenium, Se	ND	1	"	"	"	0.5	mg/kg
Thallium, Tl	ND	1	"	"	"	0.5	mg/kg
Vanadium, V	**38.4**	1	"	"	"	0.5	mg/kg
Zinc, Zn	**40.9**	1	"	"	"	0.5	mg/kg

EPA 7471A - Mercury by Cold Vapor Atomic Absorption*

	Result	Dilution	Batch	Prepared	Analyzed	Practical Quantitation Limit	Units
Mercury, Hg	ND	1	H17060202	6/2/2017	6/9/2017	0.022	mg/kg

ND= Not Detected

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No.:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	5/30/2017 6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/5,9/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

BATCH: **I17060201** **Prepared:** 6/2/2017 **Analyzed:** 6/5/2017

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	% REC	% REC Limits	% RPD	Practical Quantitation Limit	Units
METHOD BLANK:	**I170602-BLK1**						
Analytes:							
Silver, Ag	ND					0.5	mg/kg
Arsenic, As	ND					0.5	mg/kg
Barium, Ba	ND					0.5	mg/kg
Beryllium, Be	ND					0.5	mg/kg
Cadmium, Cd	ND					0.5	mg/kg
Cobalt, Co	ND					0.5	mg/kg
Chromium, Cr	ND					0.5	mg/kg
Copper, Cu	ND					0.5	mg/kg
Molybdenum, Mo	ND					0.5	mg/kg
Nickel, Ni	ND					0.5	mg/kg
Lead, Pb	ND					0.5	mg/kg
Antimony, Sb	ND					0.5	mg/kg
Selenium, Se	ND					0.5	mg/kg
Thallium, Tl	ND					0.5	mg/kg
Vanadium, V	ND					0.5	mg/kg
Zinc, Zn	ND					0.5	mg/kg

ND= Not Detected

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No.:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	5/30/2017 6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/5,9/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

BATCH: **I17060201** **Prepared:** 6/2/2017 **Analyzed:** 6/5/2017

EPA 6010B by 3050 - Title 22 CAM 17 Trace Metals by ICP-OES

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
LCS:	**I170602-LCS1**						
Analytes:							
Barium, Ba	**210**	200		105%		80 - 120	mg/kg
Cobalt, Co	**52.9**	50.0		106%		80 - 120	mg/kg
Lead, Pb	**53.0**	50.0		106%		80 - 120	mg/kg
Selenium, Se	**186**	200		93%		80 - 120	mg/kg
Zinc, Zn	**51.1**	50.0		102%		80 - 120	mg/kg
LCSD:	**I170602-LCSD1**						
Barium, Ba	**210**	200		105%	0.1%	80 - 120	mg/kg
Cobalt, Co	**52.9**	50.0		106%	0.0%	80 - 120	mg/kg
Lead, Pb	**53.2**	50.0		106%	0.4%	80 - 120	mg/kg
Selenium, Se	**186**	200		93%	0.2%	80 - 120	mg/kg
Zinc, Zn	**49.7**	50.0		99%	2.7%	80 - 120	mg/kg

ND= Not Detected
RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/9/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA	**JEL Ref. No.:** **Client Ref. No.:**	ST-10692 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	5/30/2017 6/1/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/5,9/2017
Project Address:	14545 Grove Avenue Ontario, CA 91762	**Physical State:**	Soil

BATCH: **H17060202** **Prepared:** 6/2/2017 **Analyzed:** 6/9/2017

EPA 7471A - Mercury by Cold Vapor Atomic Absorption*

	Result	Spike Level	Source Result	% REC	% RPD	% REC Limits	Units
METHOD BLANK:	**H170602-BLK2**						
Analytes:							
Mercury, Hg	ND						mg/kg
LCS:	**H170602-LCS2**						
Mercury, Hg	**0.92**	1.00		92%		80 - 120	mg/kg
LCSD:	**H170602-LCSD2**						
Mercury, Hg	**0.92**	1.00		92%	**0.0%**	80 - 120	mg/kg

ND= Not Detected

RPD = Relative Percent Difference; Acceptability range for RPD is ≤ 15%

* All Mercury samples were extracted by Jones Enviornmental, Inc. Analysis was performed by SunStar Laboratories.

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Chain-of-Custody Record

Client: Partner ESI
Date: 5/30/17
Project Name: Borba Dairy Farm
Client Project #: 17-180354
Project Address: 14545 Grove Ave.
Ontario, CA 91762
Project Contact: Kathy Lehnus klehnus@partneresi.com

Turn Around Requested: ☐ Immediate Attention; Rush: ☐ 24 ☐ 48 ☐ 72; ☒ Normal; ☐ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P
Purge Rate: _____ cc/min
Shut in Test Y / N
Tracer: ☐ n-propanol ☐ n-pentane ☐ 1,1-DFA ☐ Helium ☐ _____

JEL Project # ST-10692
Page 1 of 3
Lab Use Only
Sample Condition as Received: Chilled ☐ yes ☐ no; Sealed ☐ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested: VOCs 8260B	TPH 8015	Metals CAM17	Magnehelic Vacuum (in H_2O)	Number of Containers	Remarks/Special Instructions
SB1-2			5/30/17	0855		ST-10692-01	S	X				1	
SB1-5				0900		ST-10692-02		X				1	
SB1-12				0905		ST-10692-03						4	Keep on hold
SB2-2				0915		ST-10692-04		X				1	
SB2-5				0920		ST-10692-05		X				1	
SB2-12				0925		ST-10692-06						4	Keep on hold
SB3-2				0935		ST-10692-07		X				1	
SB3-5				0940		ST-10692-08		X				1	
SB3-12				0945		ST-10692-09						4	Keep on hold
SB4-2			↓	0955		ST-10692-10	↓	X				1	

❶ Relinquished by (signature): David Harel	Date: 5/31/17	❷ Received by (signature):	Date: 6/1/17	19 Total Number of Containers
Company: Partner ESI	Time:	Company: JEL	Time: 10:55	
❸ Relinquished by (signature):	Date: 6/1/17	❹ Received by Laboratory (signature):	Date: 6/1/17	
Company: JEL	Time: 11:30	Company: Jones Env.	Time: 11:30	

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

☒ EDD ☐ EDF

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(714) 449-9937
(562) 646-1611
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Chain-of-Custody Record

Client	Partner ESI
Project Name	Borba Dairy Farm
Project Address	14545 Grove Ave. Ontario, CA 91762
Project Contact	Kathy Lehnus klehnus@partneresi.com
Date	5/30/17
Client Project #	17-180354

Turn Around Requested:
- ☐ Immediate Attention
- **Rush:** ☐ 24 ☐ 48 ☐ 72
- ☒ Normal
- ☐ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P
Purge Rate: _____ cc/min
Shut in Test Y / N
Tracer:
- ☐ n-propanol
- ☐ n-pentane
- ☐ 1,1-DFA
- ☐ Helium
- ☐ _____

JEL Project # ST-10692
Page 2 of 3
Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☐ no
Sealed ☐ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested: VOCs 8260B	TPH 8015	CAM 17 Metals	Magnehelic Vacuum (in H_2O)	Number of Containers	Remarks/Special Instructions
SB4-5			5/30/17	1000 DH		ST-10692-11	S		X			1	
SB4-12				1010 DH		ST-10692-12						4	Keep on hold
SB5-2				0815		ST-10692-13			X			1	
SB5-5				0825		ST-10692-14			X			1	
SB5-12				0830		ST-10692-15						4	Keep on hold
SB6-2				1025		ST-10692-16		X	X	X		4	
SB6-5				1030		ST-10692-17		X	X	X		4	
SB6-12				1035		ST-10692-18						4	Keep on hold
SB7-2				1055		ST-10692-19		X	X	X		4	
SB7-5			↓	1100		ST-10692-20	↓	X	X	X		4	

❶ Relinquished by (signature) David Harrell	Date 5/31/17	❷ Received by (signature)	Date 6/1/17	31 Total Number of Containers
Company Partner ESI	Time 16:55	Company JEL	Time 16:55	
❸ Relinquished by (signature)	Date 6/1/17	❹ Received by Laboratory (signature)	Date 6/1/17	The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.
Company JEL	Time 61:20	Company Jones	Time 11:30	☒ EDD ☐ EDF

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Chain-of-Custody Record

Client: Partner ESI
Project Name: Borba Dairy Farm
Project Address: 14545 Grove Ave. Ontario, CA 91762
Project Contact: Kathy Lehnus k.lehnus@partneresi.com
Date: 5/30/17
Client Project #: 17-180354
Turn Around Requested: ☐ Immediate Attention; Rush: ☐ 24 ☐ 48 ☐ 72; ☒ Normal; ☐ Mobile Lab

SOIL GAS
Purge Number: ☐ 1P ☐ 3P ☐ 7P ☐ 10P
Purge Rate: _____ cc/min
Shut in Test Y / N
Tracer: ☐ n-propanol ☐ n-pentane ☐ 1,1-DFA ☐ Helium ☐ _____

JEL Project # ST-10692
Page 3 of 3
Lab Use Only
Sample Condition as Received:
Chilled ☐ yes ☐ no
Sealed ☐ yes ☐ no

Sample ID	Purge Number	Purge Volume	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample Number	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Soil Gas (SG)	Analysis Requested: VOCs 8260B	TPH 8015	CAM 17 Metals	Magnehelic Vacuum (inH2O)	Number of Containers	Remarks/Special Instructions
SB7-12			5/30/17	1110		ST-10692-21	S					4	Keep on hold
SS1-2				1155		ST-10692-22		X	X	X		5	
SS1-4				1200		ST-10692-23		X				4	Keep Jar on hold
SS2-2				1215		ST-10692-24		X	X	X		5	
SS2-4				1220		ST-10692-25		X				4	keep jar on hold
SS3-2				1225		ST-10692-26		X	X	X		5	
SS3-4				1230		ST-10692-27		X				4	keep jar on hold
SS4-2				1140		ST-10692-28		X	X	X		5	
SS4-4			↓	1145		ST-10692-29	↓	X				4	keep jar on hold

1 Relinquished by (signature): David Harrell	Date: 5/31/17	2 Received by (signature):	Date: 6/1/17	40	Total Number of Containers
Company: Partner ESI	Time: 10:55	Company: JEL	Time: 10:55		
3 Relinquished by (signature):	Date: 6/1/17	4 Received by Laboratory (signature):	Date: 6/1/17		
Company: JEL	Time: 11:30	Company: Jones ENV	Time: 11:30		

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specified above under the Terms and Conditions set forth on the back hereof.

☒ EDD ☐ EDF

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SAMPLE RECEIPT FORM

Jones ID: ST-10692

CLIENT: Partner
DATE/TIME: 5-30-17
PROJECT: Borba Dairy Farm
RECEIVED BY: JC

Delivered by: ☐ Client ☐ Jones Courier ☐ UPS / FedEx / USPS ☐ Other _____

TEMPERATURE: Temp Criteria = 6°C > Temp > 0°C (NO frozen containers)

Temperature	Cooler #1	18.1 °C ± 0.1°C	Blank	Sample
Temperature	Cooler #2	_____ °C ± 0.1°C	Blank	Sample
Temperature	Cooler #3	_____ °C ± 0.1°C	Blank	Sample

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Samples not received on ice.*

Ambient Temperature: 24.9 °C
Checked by: JC

SAMPLE CONDITION:

	YES	NO*	N/A
Chain of Custody (COC) document(s) received complete with samples	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Total number of containers received match COC	☑	☐	☐
Custody Seals Intact on Cooler/Sample	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Proper preservation noted on COC and sample container	☐	☑	☐
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

☐ Collection date, collection time, matrix, and/or # of containers logged in based on sample labels missing. (circle)
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.

CONTAINER TYPE:

Solid: VOAs / AS
Air/SG: _____
Aqueous: _____

*Complete Non-Conformance if checked
Checked by: JC

Comments:

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/16/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA 90501	**JEL Ref. No.:** **Client Ref. No.:**	ST-10792 17-180354
Attn:	Kathy Lehnus	**Date Sampled:**	6/16/2017
		Date Received:	6/16/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/16/2017
Project Address:	14545 Grove Ave. Ontario, CA	**Physical State:**	Soil Gas

ANALYSES REQUESTED

1. ASTM D1946 – Methane

Sampling – Soil Gas samples were collected in Tedlar bags.

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:

Carolyn Carroll
Stationary Lab Manager

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/16/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA 90501	**JEL Ref. No.:** **Client Ref. No.:**	ST-10792 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	6/16/2017 6/16/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/16/2017
Project Address:	14545 Grove Ave. Ontario, CA	**Physical State:**	Soil Gas

ASTM D1946 – Methane

Sample ID:	**B1-7'**	**B2-7'**	**B2-15'**	**B8-7'**	**B9-7'**		
JEL ID:	**ST-10792-01**	**ST-10792-02**	**ST-10792-03**	**ST-10792-04**	**ST-10792-05**	**Practical Quantitation Limit**	**Units**
Methane (CH_4)	ND	ND	ND	ND	**16100**	100	ppmV
Dilution Factor	1	1	1	1	1		
	ASTM-061617	ASTM-061617	ASTM-061617	ASTM-061617	ASTM-061617		

ND = Not Detected

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/16/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA 90501	**JEL Ref. No.:** **Client Ref. No.:**	ST-10792 17-180354
Attn:	Kathy Lehnus	**Date Sampled:**	6/16/2017
		Date Received:	6/16/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/16/2017
Project Address:	14545 Grove Ave. Ontario, CA	**Physical State:**	Soil Gas

ASTM D1946 – Methane

Sample ID:	**B15-7'**	**B16-7'**	**B13-7'**	**B14-6'**	**B12-7'**		
JEL ID:	**ST-10792-06**	**ST-10792-07**	**ST-10792-08**	**ST-10792-09**	**ST-10792-10**	**Practical Quantitation Limit**	**Units**
Methane (CH_4)	ND	ND	ND	ND	ND	100	ppmV
Dilution Factor	1	1	1	1	1		
	ASTM-061617	ASTM-061617	ASTM-061617	ASTM-061617	ASTM-061617		

ND = Not Detected

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/16/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA 90501	**JEL Ref. No.:** **Client Ref. No.:**	ST-10792 17-180354
Attn:	Kathy Lehnus	**Date Sampled:**	6/16/2017
		Date Received:	6/16/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/16/2017
Project Address:	14545 Grove Ave. Ontario, CA	**Physical State:**	Soil Gas

ASTM D1946 – Methane

Sample ID:	**B10-7'**	**B10-15'**	**B5-7'**	**B3-7'**	**B4-7'**		
JEL ID:	**ST-10792-11**	**ST-10792-12**	**ST-10792-13**	**ST-10792-14**	**ST-10792-15**	**Practical Quantitation Limit**	**Units**
Methane (CH_4)	ND	ND	ND	ND	ND	100	ppmV
Dilution Factor	1	1	1	1	1		
	ASTM-061617	ASTM-061617	ASTM-061617	ASTM-061617	ASTM-061617		

ND = Not Detected

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/16/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA 90501	**JEL Ref. No.:** **Client Ref. No.:**	ST-10792 17-180354
Attn:	Kathy Lehnus	**Date Sampled:**	6/16/2017
		Date Received:	6/16/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/16/2017
Project Address:	14545 Grove Ave. Ontario, CA	**Physical State:**	Soil Gas

ASTM D1946 – Methane

Sample ID:	**B6-7'**	**B7-7'**	**B11-7'**	**B17-7'**	**B18-7'**		
JEL ID:	**ST-10792-16**	**ST-10792-17**	**ST-10792-18**	**ST-10792-19**	**ST-10792-20**	**Practical Quantitation Limit**	**Units**
Methane (CH_4)	ND	ND	ND	ND	ND	100	ppmV
Dilution Factor	1	1	1	1	1		
	ASTM-061617	ASTM-061617	ASTM-061617	ASTM-061617	ASTM-061617		

ND = Not Detected

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/16/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA 90501	**JEL Ref. No.:** **Client Ref. No.:**	ST-10792 17-180354
Attn:	Kathy Lehnus	**Date Sampled:**	6/16/2017
		Date Received:	6/16/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/16/2017
Project Address:	14545 Grove Ave. Ontario, CA	**Physical State:**	Soil Gas

ASTM D1946 – Methane

Sample ID:	**B18-15'**	**B18-15' DUP**		
JEL ID:	**ST-10792-21**	**ST-10792-22**	**Practical Quantitation Limit**	**Units**
Methane (CH_4)	ND	ND	100	ppmV
Dilution Factor	1	1		
	ASTM-061617	ASTM-061617		

ND = Not Detected

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JONES ENVIRONMENTAL
LABORATORY RESULTS

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/16/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA 90501	**JEL Ref. No.:** **Client Ref. No.:**	ST-10792 17-180354
Attn:	Kathy Lehnus	**Date Sampled:**	6/16/2017
		Date Received:	6/16/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/16/2017
Project Address:	14545 Grove Ave. Ontario, CA	**Physical State:**	Soil Gas

ASTM D1946 – Methane

Sample ID:	**Ambient Air Blank**		
JEL ID:	**AA-061617**	**Practical Quantitation Limit**	**Units**
Methane (CH_4)	ND	100	ppmV
Dilution Factor	1		
	ASTM-061617		

ND = Not Detected

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JONES ENVIRONMENTAL
QUALITY CONTROL INFORMATION

Client:	Partner Engineering & Science, Inc.	**Report date:**	6/16/2017
Client Address:	2154 Torrance Blvd., Suite 200 Torrance, CA 90501	**JEL Ref. No.:** **Client Ref. No.:**	ST-10792 17-180354
Attn:	Kathy Lehnus	**Date Sampled:** **Date Received:**	6/16/2017 6/16/2017
Project:	Borba Dairy Farm	**Date Analyzed:**	6/16/2017
Project Address:	14545 Grove Ave. Ontario, CA	**Physical State:**	Soil Gas

ASTM D1946 – Methane

GC#: ASTM-061617

JEL ID:	**CCV-061617**	**CCV2-061617**		
Parameter	CCV Recovery (%)	CCV Rep Recovery (%)	RPD	Acceptability Range (%)
Methane (CH_4)	97%	97%		60 - 140

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

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Soil-Gas Chain of Custody Record

Client: Partner Engineering & Science
Project Name: Borba Dairy Farm
Project Address: 19545 Grove, Ave, Ontario, CA
Email: klehrman@partneresi.com
Phone:
Report To: Kathy Lehrman
Sampler: Chris Jones

Date: 06/16/17
Client Project #: 17-186354

Purge Number: □ 1P ☒ 3P □ 7P □ 10P
Shut-In Test: (Y) N
Flow Rate: ~200
If different than above, see Notes.

Turn Around Requested:
- □ Immediate Attention
- □ Rush 24 Hours
- □ Rush 48 Hours
- □ Rush 72 Hours
- ☒ Normal
- □ Mobile Lab

Tracer:
- □ n-pentane
- □ n-hexane
- □ n-heptane
- □ Helium
- □ 1,1-DFA
- □ _____

Reporting Limits Requested: □ Commercial □ Residential @ probe
Units:

Report Options
EDD ____
EDF* - 10% Surcharge____
*Global ID _____

LAB USE ONLY
Jones Project # ST-10792
Page 1 of 3
Sample Condition as Recieved: Sealed □ yes □ no
Sample Container: Tedlar
If different than above, see Notes.

Analysis Requested

Sample ID	Purge Number	Purge Volume (mL)	Date	Pump Used	Magnehelic	Laboratory Sample ID	Canister ID	Canister Start Pressure	Canister End Pressure	Sampling Start Time	Sampling End Time	Sample Matrix: Soil Gas (SG), Air (A)	EPA 8260B Methane	EPA TO-15	Magnehelic Vacuum (In/H_2O)	Number of Containers	Notes & Special Instructions
B1-7	3		06/16			ST-10792-01		0.0"			1456	SG	X			1	
B2-7	3		06/16			ST-10792-02		0.0"			1505	SG	X			1	
B2-15	3		06/16			ST-10792-03		0.0"			1507	SG	X			1	
B8-7	3		06/16			ST-10792-04		0.0"			1519	SG	X			1	
~~B9-15~~ and B9-7	3		06/16			ST-10792-05		0.0"			1530	SG	X			1	
B15-7	3		06/16			ST-10792-06		0.0"			1544	SG	X			1	
B16-7	3		06/16			ST-10792-07		0.0"			1556	SG	X			1	
B13-7	3		06/16			ST-10792-08		0.0"			1610	SG	X			1	
B14-6	3		06/16			ST-10792-09		0.0"			1618	SG	X			1	
~~B7~~ B12-7	3		06/16			ST-10792-10		0.0"			1628	SG	X			1	

Relinquished By (Signature)	Printed Name	Received By (Signature)	Printed Name		
David Horrell	DAVID HORRELL		Chris Jones		10 Total Number of Containers
Company: Partner ESI	Date: 6/16/17 Time: 1805	Company: JEL	Date: 06/18/17	Time: 1805	
Relinquished By (Signature)	Printed Name	Received By Laboratory (Signature)	Printed Name		
Company	Date: Time:	Company	Date:	Time:	

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been reqested, and the information provided herein is correct and accurate.

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Soil-Gas Chain of Custody Record

Client: Partner Engineering & Science
Project Name: Borba Dairy Farm
Project Address: 14545 Grove Ave, Ontario, CA
Email: klehnus@partneresi.com
Phone:
Report To: Kathy Lehnus
Sampler: Chris Jones

Date: 06/16/17
Client Project #: 17-180354

Purge Number: □ 1P X 3P □ 7P □ 10P
Shut-In Test: (Y) / N
Flow Rate: 200~
If different than above, see Notes.

Turn Around Requested:
- □ Immediate Attention
- □ Rush 24 Hours
- □ Rush 48 Hours
- □ Rush 72 Hours
- X Normal
- □ Mobile Lab

Tracer:
- □ n-pentane
- □ n-hexane
- □ n-heptane
- □ Helium
- □ 1,1-DFA
- □ _____

Reporting Limits Requested: □ Commercial □ Residential
Units:

Report Options
EDD ____
EDF* - 10% Surcharge____
*Global ID _____

LAB USE ONLY
Jones Project # ST-10792
Page 2 of 3
Sample Condition as Recieved: Sealed □ yes □ no
Sample Container: Tedlar
If different than above, see Notes.

Sample ID	Purge Number	Purge Volume (mL)	Date	Pump Used	Magnehelic	Laboratory Sample ID	Canister ID	Canister Start Pressure	Canister End Pressure	Sampling Start Time	Sampling End Time	Sample Matrix: Soil Gas (SG), Air (A)	EPA 8260B Methane	EPA TO-15	Magnehelic Vacuum (In/H_2O)	Number of Containers	Notes & Special Instructions
B10-7	3		06/16			ST-10792-11		0.1			1644	SG	X		22	1	
B10-15	3		06/16			ST-10792-12		0.1			1647	SG	X		22	1	
B5-7	3		06/16			ST-10792-13		0.0			1655	SG	X		22	1	
B3-7	3		06/16			ST-10792-14		0.0			1704	SG	X		22	1	
B4-7	3		06/16			ST-10792-15		0.0			1711	SG	X		22	1	
B6-7	3		06/16			ST-10792-16		0.0			1720	SG	X		22	1	
B7-7	3		06/16			ST-10792-17		0.0			1729	SG	X		22	1	
B11-7	3		06/16			ST-10792-18		0.0			1738	SG	X		22	1	
B17-7	3		06/16			ST-10792-19		0.0			1746	SG	X		22	1	
B18-7	3		06/16			ST-10792-20		0.0			1754	SG	X		22	1	

Relinquished By (Signature)	Printed Name	Received By (Signature)	Printed Name		
David Horrell	DAVID HORRELL		Chris Jones		10
Company	Date: / Time:	Company	Date: / Time:		Total Number of Containers
PartnerESI	6/16/17 1805	JEL	06/16/17 1805		
Relinquished By (Signature)	Printed Name	Received By Laboratory (Signature)	Printed Name		
Company	Date: / Time:	Company	Date: / Time:		

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been reqested, and the information provided herein is correct and accurate.

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Fax (714) 449-9685
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Soil-Gas Chain of Custody Record

Client: Partner Engineering & Science
Project Name: Borba Dairy Farm
Project Address: ~~Ontario,~~ 14545 Grove Ave, Ontario, CA
Email: Klehnus@partneresi.com
Phone:
Report To: Kathy Klehnus
Sampler: Chris Jong

Date: 06/16/17
Client Project #: 17-180354

Purge Number: □ 1P ☒ 3P □ 7P □ 10P
Shut-In Test: (Y) / N
Flow Rate: _____
If different than above, see Notes.

Report Options: EDD ____ EDF* - 10% Surcharge____ *Global ID _____

Turn Around Requested:
- □ Immediate Attention
- □ Rush 24 Hours
- □ Rush 48 Hours
- □ Rush 72 Hours
- ☒ Normal
- □ Mobile Lab

Tracer:
- □ n-pentane
- □ n-hexane
- □ n-heptane
- □ Helium
- □ 1,1-DFA
- □ _____

Reporting Limits Requested: □ Commercial □ Residential
Units:

LAB USE ONLY
Jones Project # ST-10792
Page 3 of 3
Sample Condition as Recieved: Sealed □ yes □ no
Sample Container: Tedlar
If different than above, see Notes.

Sample ID	Purge Number	Purge Volume (mL)	Date	Pump Used	Magnehelic	Laboratory Sample ID	Canister ID	Canister Start Pressure	Canister End Pressure	Sampling Start Time	Sampling End Time	Analysis Requested: Sample Matrix: Soil Gas (SG), Air (A)	EPA 8260B Methane	EPA TO-15	Magnehelic Vacuum (in/H_2O)	Number of Containers	Notes & Special Instructions
B18-15	3		06/16			ST-10792-21		0.0" (probe)			1759	SG	X		22	1	
B18-15 DUP	3		06/16			ST-10792-22		0.0"			1759	SG	X		22	1	

Relinquished By (Signature)	Printed Name	Received By (Signature)	Printed Name		
David Horrell	DAVID HORRELL		Chris Jones	2	Total Number of Containers
Company: Partner ESI	Date: 6/16/17 Time: 1805	Company: JEL	Date: 06/16/17 Time: 1805		
Relinquished By (Signature)	Printed Name	Received By Laboratory (Signature)	Printed Name		
Company	Date: Time:	Company	Date: Time:		

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been reqested, and the information provided herein is correct and accurate.

APPENDIX C: CITY REGULATORY INFORMATION

PARTNER

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.