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June 12, 2017

Ms. Karel Detterman
Hazardous Materials Specialist
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

SUBJECT: Soil and Groundwater Investigation Report
139th Avenue Property
295 139th Avenue
San Leandro, California 94578
ACDEH Fuel Leak Case No. RO0003214
GeoTracker Global ID No. T10000009956

Dear Ms. Detterman:

The LEMR Trust is pleased to present the enclosed report, prepared by Environmental Risk Assessors, for the investigations of the property located at 295 139th Avenue in San Leandro, California. This report is submitted pursuant to Alameda County Department of Environmental Health letter to The LEMR Trust on April 11, 2017.

I have read and acknowledge the content, recommendations, and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the State Water Resource Control Board's GeoTracker website.

Please feel free to call me at 925-683-9779 if you have any questions.

Sincerely,

Erin Tamer
The LEMR Trust

Environmental Risk Assessors

Soil and Groundwater Investigation Report

139th Avenue Property
295 139th Avenue
San Leandro, California 94578

June 12, 2017

Prepared for:
The LEMR Trust
PO Box 511
Alamo, CA 94507

Prepared by:
Environmental Risk Assessors
1420 East Roseville Parkway
#140-262
Roseville, CA 95661

ACDEH Fuel Leak Case No. RO0003214

GeoTracker Global ID No. T10000009956

ERA Project No. 01-2017-1500-001

Environmental Risk Assessors

June 12, 2017

The LEMR Trust
PO Box 511
Alamo, CA 94507
Attn: Ms. Erin Tamer

SUBJECT: Soil and Groundwater Investigation
139th Avenue Property
295 139th Avenue
San Leandro, California 94578
ERA Project No. 01-2016-500-002

Dear Ms. Tamer,

Environmental Risk Assessors (ERA) is pleased to present this Soil and Groundwater Investigation (SWI) Report for the above referenced property (the Site). Our scope of work and findings are presented in the attached report.

Please do not hesitate to contact me at (916) 677-9897 and via email at litafreeman@gmail.com if you have any questions or comments regarding this assessment.

Sincerely,

Environmental Risk Assessors

Lita D. Freeman

Lita D. Freeman, PG
Professional Geologist

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Table of Contents

Table of Contents

Table of Contents

CERTIFICATION

Report Prepared By:

June 12, 2017

Lita D. Freeman, P.G. Date
Principal Geoplogist
California Professional Geologist No. 7368

* All information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by a California Professional Geologist of Environmental Risk Assessors.

A professional geologist's certification of conditions comprises a declaration of his or her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations, and ordinances.

1. EXECUTIVE SUMMARY

Environmental Risk Assessors (ERA) is pleased to present this Soil and Groundwater Investigation (SWI) Report (the "Report") for the property located at 295 139th Avenue in San Leandro, Alameda County, California 94578 (the "Site"; Figure 1) to The LEMR Trust. This SWI Report provides the results of the investigation conducted in accordance with Soil and Groundwater Investigation Work Plan dated February 8, 2017 (ERA 2017) that was conditionally approved by the Alameda County Department of Environmental Health (ACDEH) in their letter dated April 11, 2017 (see Appendix A). The following identification numbers have been assigned to the Site: ACDEH Fuel Leak Case No. RO0003214 and California Environmental Protection Agency (Cal-EPA) State Water Resources Control Board (SWRCB) GeoTracker Global ID No. T10000009956.

1.1 Background

The Site consists of one approximately 0.5-acre Alameda County parcel of land (Figure 2) and is currently developed with a one-story approximately 16,150-square-foot commercial building. Unit A is occupied by A&C Auto Body and Frame, the sole tenant at the time of the recent investigation.

Background information was obtained from Basics Environmental Inc.'s (Basics Environmental) Phase I Environmental Site Assessment (Phase I ESA) report (Basics Environmental 2015). Records reviewed by Basics Environmental revealed the following:

- The Site was undeveloped prior to the construction in 1951 of the existing building;
- Between 1951 and the mid-1980s, operations by the site occupant reportedly included assembly of parachutes with the components manufactured at off-site facilities;
- Operations by the parachute assembly company included machining of parts in an on-site machine shop and usage/storage of hazardous substances including solvent, methyl ethyl ketone, and gasoline (reportedly stored in a 500-gallon underground storage tank [UST]);
- A geophysical survey conducted in the past did not reveal evidence of an on-site UST; and
- Site occupants between the late-1980s and present time reportedly used and stored hazardous substances (solvents, paints, thinners, etc.) in their auto painting, auto body repair, and auto repair businesses; three spray paint booths are present in the building.

Basics Environmental was unable to obtain installation or removal reports for the UST shown on a 1972 map obtained by Basics Environmental and did not identify reports of major violations, spills, or unauthorized releases at the Site (Basics Environmental 2015). Basics Environmental noted that the Site is within the area of the *DWA Plume*, a regional groundwater plume impacted by volatile organic compounds (VOCs), petroleum-related compounds, and metals from multiple facilities. The third quarter 2014 groundwater monitoring report prepared by The Source Group (The Source Group 2015), noted that PCE has been reported within the shallow groundwater below the Site at concentrations of less than 10 micrograms per liter (µg/L).

1.2 Investigations

Based on the findings of Basics Environmental's Phase I ESA (Basics Environmental 2015), ERA conducted a limited Phase II ESA in February 2016 (ERA 2016). Based on the results of the Limited Phase II ESA, ACDEH requested additional investigation to further evaluate subsurface conditions at the Site, including collecting soil gas samples to assess the vapor intrusion potential

into the on-site building. The scope of work for the SWI was presented in ERA's work plan (ERA 2016) which was approved by ACDEH in their letter issued on April 11, 2017.

The investigations conducted in 2016 and 2017 consisted of the following:

- Advancing two borings (SB-1 and SB-2 on Figure 2) in 2016 to depths of up to 38 feet below ground surface (bgs) to collect soil and groundwater samples for the initial assessment;
- Advancing probes at four locations (SB-6 and SB-8 through SB-10 on Figure 2) in 2017 to depths of 0.5 feet and 5 feet below the floor slab to collect soil gas samples;
- Advancing borings at three locations (SB-3, SB-8, and SB-9 on Figure 2) in 2017 to depths of up to 8 feet bgs to collect soil samples;
- Advancing borings at five locations (SB-4 through SB-7 and SB-10 on Figure 2) in 2017 to depths of up to 40 feet bgs to collect soil and groundwater samples;
- Analyzing the soil gas samples in a mobile laboratory for VOCs;
- Submitting the soil and groundwater samples for the following analyses: VOCs including benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tert-butyl ether (MTBE), tert-Butyl Alcohol (TBA), 1,2-dibromoethane (EDB), 1,2-dichloroethane (EDC or 1,2-DCA), and naphthalene, Total Petroleum Hydrocarbons (TPH) quantified as gasoline (TPHg), and TPH quantified as motor oil (TPHmo) during the 2016 investigation; soil and groundwater samples collected during the 2017 investigation were analyzed for the above and for TPH quantified as diesel (TPHd); and
- Preparing a report presenting the results of the investigations.

1.3 Findings

ERA's review of the groundwater sampling report prepared by The Source Group in 2015 indicated that shallow groundwater flow direction beneath the immediate site vicinity was westward (The Source Group 2015). Analysis of groundwater samples collected from nearby wells in 2013 and 2014 (The Source Group 2015) revealed the presence of PCE, as follows:

- Well GS-7: at a concentration of 59 µg/L in the groundwater samples from this well, located approximately 200 feet north of the Site in an upgradient to crossgradient direction; and
- Well PZ-1: at 210 µg/L in the groundwater samples from this well, located approximately 450 feet east-northeast of the Site in an upgradient to crossgradient direction;
- Well MW-7: at 6.9 µg/L in the groundwater samples from this well, located approximately 2,000 feet west of the Site in a downgradient direction.

During ERA's site investigations, silty clay was predominantly encountered from below the asphalt/baserock or concrete to the maximum depth explored in the borings. Groundwater was encountered at depths of approximately 20 to 36 feet bgs.

Analytical results for samples collected during the 2016 and 2017 investigations were compared to *Tier 1 Environmental Screening Levels (ESLs)* as established by the Cal-EPA San Francisco Bay Regional Water Quality Control Board (SFBRWQCB 2016) and soil gas data were also compared to California Human Health Screening Levels (CHHSLs) established by Cal-EPA Office of Environmental Health Hazard Assessment (OEHHA) *Table 2 - Soil-Gas Screening*

Numbers for Volatile Chemicals below Buildings Constructed With Engineered Fill below Sub-slab Gravel, Commercial/Industrial Scenario (OEHHA 2010). The comparison revealed the following:

- PCE was detected in each of the eight soil gas samples with reported concentrations of 240 micrograms per cubic meter (µg/m^3) to 4,700 µg/m^3 which are equal to or above its' Tier 1 ESL of 240 µg/m^3; the PCE concentrations in five of the eight soil gas samples were above its' CHHSL of 1,600 µg/m^3;
- Toluene was reported in two soil gas samples at concentrations ranging up to 1,300 µg/m^3 which are below its' Tier 1 ESL of 160,000 µg/m^3 and CHHSL of 890,000 µg/m^3;
- Methane, carbon dioxide, and oxygen are used as indicator parameters for monitored natural attenuation (MNA) effectiveness. Methane and carbon dioxide were not reported in the soil gas samples at concentrations at or above their respective laboratory reporting limit (lab RL) of 1,000 parts per million volume (ppmv or 0.1 percent [%]) and 1%. Oxygen was reported in each soil gas sample at 19% to 21%.
- PCE was reported in soil samples from borings, SB-2, SB-6, SB-7, and SB-8, at concentrations of up to 0.032 milligrams per kilogram [mg/kg]) which are below its' Tier 1 ESL of 0.42 mg/kg; the PCE concentrations decrease with depth in each of the above-noted borings with PCE not reported in the deepest sample analyzed from borings SB-2 (10-foot sample) and SB-7 (8.5-foot sample)
- TPHd and/or TPHmo were reported in soil samples from each boring, except for samples from borings SB-1 and SB-2, at concentrations of up to 39 mg/kg and 71 mg/kg, respectively, which are below their Tier 1 ESLs (TPHd: 240 mg/kg, TPHmo: 100 mg/kg);
- Benzene, ethylbenzene, and naphthalene were not reported in soil samples at concentrations at or above their respective lab RL;
- PCE was reported in each groundwater sample at concentrations up to 41 µg/L which are above its' Tier 1 ESL of 3 µg/L, which is based on direct exposure, but was below its' ESL for commercial/industrial land use shallow groundwater vapor intrusion human health risk level of 26 µg/L except for the groundwater sample from boring SB-10;
- Trichloroethene (TCE) was reported in two groundwater samples at concentrations up to 2.2 µg/L which are below its' Tier 1 ESL of 5 µg/L;
- TPHd was reported in three groundwater samples at concentrations of 200 µg/L to 720 µg/L which are above its' Tier 1 ESL of 100 µg/L; and
- Benzene, ethylbenzene, and naphthalene were not reported in groundwater samples at concentrations at or above their respective lab RL.

Because the highest concentration of PCE in soil gas (4,700 µg/m^3) was reported above its' CHHSL, a risk calculation was completed for indoor air. Risk calculations were completed for a commercial worker and conservatively used an indoor air concentration (235 µg/m^3) calculated based on the maximum soil gas concentration for PCE and an attenuation factor of 0.05. Exposure parameters noted in DTSC Guidance (DTSC 2011) were used in the calculation. The estimated risks based on exposure to VOCs in indoor air indicate an incremental cancer risk of 1.13 x 10^{-4}

and a non-cancer hazard index of 0.55. Excess cancer risks that range between 1 x 10^{-6} and 1 x 10^{-4} are generally considered to be acceptable but is evaluated on a case-by-case basis.

A survey of the on-site building by ERA's representative indicated that the building features four roof-mounted ventilation fans, operable windows are present across the southern wall and at the northeastern corner of the building, and four roll-up service doors. The fans, windows, and doors provide good air circulation and air exchange rates.

A site-specific initial Conceptual Site Model (CSM) was developed to help identify data gaps and to aid in the evaluation of the data collected to date. The CSM included information obtained during a water well survey conducted by Closure Solutions in 2008 for Palace Garage located at 14336 Washington Avenue (Closure Solutions 2008). Based on the available information, the nearest water-supply well is more than 280 feet south and crossgradient of the Site with respect to the site location and inferred local groundwater flow direction. No water-supply wells were identified in a downgradient direction and within 1,000 feet of the Site.

Data gaps identified include:

- The extent of TPHd in groundwater has not been delineated. However, based on the lack of benzene, ethylbenzene, naphthalene, and MTBE in soil and groundwater beneath the Site, the likely limited extent of TPHd in groundwater, and lack of water-supply wells within 1,000 feet of the Site in a downgradient direction, additional investigation for petroleum hydrocarbons in groundwater does not appear warranted. The TPHd reported in groundwater beneath the Site may be associated with the DWA Plume as petroleum hydrocarbons have been reported in this plume.
- The concentrations of VOCs in indoor air has not been assessed. Soil gas data from probes placed within the building footprint indicated a potential indoor air concentration for PCE of 235 µg/m^3 with an estimated incremental cancer risk of 1.13 x 10^{-4} and a non-cancer hazard index of 0.55. Collection and analysis of indoor air samples from within the building will establish actual PCE concentrations in indoor air and allow calculation of risk.

The SWRCB's Low Threat UST Closure Policy (LTCP) and Technical Justification for Groundwater Media-Specific Criteria were reviewed for comparison to site petroleum hydrocarbon data. Site-specific data not already presented above are summarized as follows:

- The Site's surface is covered by the on-site building, concrete sidewalk, asphalt pavement, and landscaping areas. Currently, the Site is used for commercial purposes and there are no redevelopment plans.
- Direct contact with soil and outdoor air exposure does not appear to be a significant environmental or health concern, based on the lack of petroleum hydrocarbons in soil above screening levels, current site conditions, and current commercial site use.
- Evaluation of vapor intrusion to indoor air utilized soil gas and soil data collected from the Site. Comparison of analytical results for soil samples collected from the 0- to 5-foot and the 5- to 10-foot depth intervals revealed that the compounds listed in Table 1 of the LTCP (benzene, ethylbenzene, and naphthalene) were not detected at concentrations at or above the lab RL of 0.005 mg/kg for each of these compounds and that the lab RL was below the limits listed in Table 1 of the LTCP for these compounds. Based on the lack of benzene, ethylbenzene, and naphthalene in soil with a lab RL for these compounds below the limits

listed in Table 1 of the LTCP, lack of weathered petroleum hydrocarbons in soil, and lack of benzene and methane in soil gas, petroleum vapor intrusion to indoor air does not appear to be a significant environmental or health concern at the Site.

- The Plume Study noted that TPHg, benzene, and MTBE were not detected in groundwater samples at concentrations at or above their respective lab RL and the length of the TPHd plume is more than 100 feet as measured from the source area (assumed to be in the area of borings SB-2/SB-10) to the western site boundary but is likely less than 250 feet as measured from the source area to the plume boundary. Based on the lack of TPHg, benzene, and MTBE in groundwater and likely a short, stabilized plume length of less than 250 feet which indicates a small or depleted source and/or very high natural attenuation rate, and the lack of receptors (water-supply wells or surface water body) within 1,000 feet of the Site, the Site appears to satisfy the Class 2 Groundwater Plume Class Criteria.

1.4 Conclusions

The results of the site investigations indicated that VOCs and petroleum hydrocarbons are present in soil and groundwater samples collected from the Site. The concentrations of PCE and petroleum hydrocarbons were below the applicable ESL in soil but above the applicable ESL for groundwater. TCE was not reported in soil at concentrations at or above its' lab RL but was reported in groundwater at a concentration below its' groundwater ESL.

The presence of PCE and petroleum hydrocarbons in soil indicate a past on-site release; however, the data do not show an on-site source extending to groundwater. PCE concentrations in soil have been shown to decrease with depth and is not reported in soil samples that were collected from depths of more than 8 feet and analyzed for VOCs. The shallowest saturated soils documented on site were at depths of at least 18 feet bgs with a separation of at least 10 feet between the soil samples with PCE and the water table. PCE, one of the main VOCs within the DWA Plume, was reported at concentrations up to 210 µg/L in nearby upgradient wells associated with the DWA Plume (The Source Group 2015). The distribution of PCE in groundwater beneath the Site indicates that the Site has been impacted by VOCs associated with the DWA Plume as PCE has been reported in groundwater samples from borings SB-4 and SB-5 located on the Site's upgradient portion. In addition, the DWA Plume is likely the source of TCE reported in groundwater beneath the Site based on the low levels (1.2 µg/L and 2.2 µg/L) of TCE reported on site and concentrations of up to 20 µg/L in wells associated with the DWA Plume and located in close proximity (within 500 feet) and in an upgradient direction from the Site (The Source Group 2015).

Petroleum hydrocarbons have also been reported as associated with the DWA Plume and may have migrated onto the Site in the past resulting in the TPHd detections in groundwater beneath the Site. The low levels of TPHd and TPHmo reported in shallow soil across the Site would be unlikely to result in the concentrations of TPHd reported in groundwater beneath the site building. As noted above, TPHd and TPHmo were reported in soil at concentrations below applicable ESLs and benzene, ethylbenzene, and naphthalene were not reported in soil samples at concentrations at or above their respective lab RL. The lab RL for benzene, ethylbenzene, and naphthalene were below the limits listed in Table 1 of the LTCP (8.2 mg/kg for benzene, 89 mg/kg for ethylbenzene, and 45 mg/kg for naphthalene for shallow soil).

Data from the soil gas survey were used to estimate risk associated with indoor air exposure. Soil gas samples were not collected from the southern portion of the building as this area was reportedly only used for offices or commercial businesses (e.g., barber shop) that did not involve

use of hazardous materials. An incremental cancer risk of 1.13 x 10^{-4} and a non-cancer hazard index of 0.55 were estimated for exposure to VOCs in indoor air calculated using soil gas results. These screening level calculations are based on conservative factors and do not consider site-specific conditions. The site building has very good ventilation with an air exchange rate significantly higher than would be normal for a commercial building as each unit within the building has at least one roll-up service door which are typically left open by the tenant during business hours. This higher air exchange rate would be expected to decrease the indoor air concentrations of VOCs. However, DTSC's Guidance (DTSC 2011) indicates that predicted risks between 1 x 10^{-6} and 1 x 10^{-4} should be evaluated further by monitoring or additional data collection.

1.5 Recommendations

The presence of a UST on site has not been confirmed through available files reviewed by Basics Environmental and a geophysical survey. Operations by the current and sole site tenant are limited to vehicle body work and painting with no automobile repairs performed on site. Therefore, no source for an ongoing release is apparent on site. The likelihood of secondary sources (significant residual mass of VOCs and petroleum hydrocarbons in soil across the Site) appears low, based on the available data. Based on the available data, further soil and groundwater assessment does not appear warranted at this time.

An indoor air quality assessment is recommended at the Site to evaluate risk associated with VOCs exposure based on risk calculations that indicate an incremental cancer risk of 1.13 x 10^{-4} and a non-cancer hazard index of 0.55 associated with exposure to VOCs in indoor air.

2. INTRODUCTION

ERA is pleased to present this SWI Report for the property located at 295 139th Avenue, San Leandro, California (Figure 1) to The LEMR Trust. The Site is currently developed with a commercial building (Figure 2) that is divided into three units (one occupied and two vacant).

The Site has been listed as a case with the ACDEH and the SWRCB. The following identification numbers have been assigned to the Site:

- ACEH Fuel Leak Case No. RO0003214; and
- GeoTracker Global ID No. T10000009956.

The findings and conclusions presented in this SWI Report are based on the results of site investigations that included collecting and analyzing soil gas, soil, and groundwater samples and evaluating data obtained during the field investigation and provided by the analytical laboratory.

2.1 Objective and Purpose

The ultimate objective for the Site is to obtain regulatory case closure. The purpose of the work performed to date is summarized as follows:

- Assess the source(s) of the VOCs reported in soil and groundwater beneath the Site;
- Evaluate on-site locations for the potential presence of VOCs and petroleum hydrocarbons in soil and groundwater beneath the Site from past site activities;
- Assess the potential presence of VOCs in soil gas beneath the on-site building; and
- Assess the lateral extent and potential off-site sources of VOCs in groundwater.

2.2 Site Description

The Site is addressed 295 139th Avenue, San Leandro, Alameda County, California, and consists of one approximately 0.6-acre Alameda County parcel of land. The Site is currently developed with one commercial building occupied by two tenants. Site-specific information is presented in Table 1.

Table 1. General Site Information	
Project Name: 139th Avenue Property	**Current Development:** One-story commercial building
Address: 295 139th Avenue, San Leandro	**Assessor Parcel Number:** 77B-1225-5-5
Location: Northwestern side of 139th Avenue	**Occupant:** A&C Auto Body

2.3 Qualifications

A summary of the ERA personnel who worked on this project follows:

- Ms. Lita Freeman, California Professional Geologist and California Asbestos Consultant, has over 25 years of experience providing site assessment services. This has included evaluating potential property impacts from historical on- and off-site operations, conducting subsurface investigations, and implementing site remediation plans. Ms. Freeman works with property owners, attorneys, and regulators to mitigate and resolve environmental issues.

3. BACKGROUND

3.1 Site History

The 0.6-acre site is improved with a one-story building occupied by a body repair shop. Records reviewed by Basics Environmental during their Phase I ESA (Basics Environmental 2015) indicated that the Site was developed in 1951 with an office and factory building owned by John Maggi Security Parachute & Equipment Company. By the mid-1980s, the on-site building appeared to have been divided into separate business units. Tenants included auto painting, auto body, and auto repair businesses, especially in Units A and C. Various hazardous materials, including paints, solvents, etc. were reportedly used and stored by these businesses. Spray paint booths were installed in Units A and C during the early 1990s and in Unit E during 2014. A paint/thinner storage and mixing room was observed in Unit A by Basics Environmental's staff during the Phase I ESA. Paint mixing was also noted to be conducted in Unit C.

Records reviewed by Basics Environmental during their Phase I ESA indicated that a 500-gallon UST and associated gas pump was present along the eastern side of the building. No specific information related to the UST (i.e. UST installation or removal documentation) was available in the local regulatory agency files reviewed by Basics Environmental (Basics Environmental 2015). However, a geophysical survey that included a ground penetrating radar study that was reportedly conducted in the past did not reveal evidence of a UST on site (Basics Environmental 2015).

3.2 Previous Investigations

ERA conducted a subsurface investigation in 2016 as described in ERA's Limited Phase II ESA report (ERA 2016). Copies of tables and figures from ERA's Limited Phase II ESA report are presented in Appendix B. Two borings (SB-1 and SB-2 as shown on the Site Plan, Figure 2) were

advanced in February 2016 at select on-site locations to collect soil and groundwater samples. The boring locations were selected based on available historical information and site observations, as follows:

- Boring SB-1 was placed near the reported gasoline UST and was drilled to a depth of 38 feet bgs with soil and groundwater samples collected; and
- Boring SB-2 was placed in the area of the paint and thinner storage/mixing room observed in Unit A and was drilled to a depth of 24 feet bgs with soil samples collected.

Soil and groundwater samples collected from the borings were analyzed, as discussed below. Soil gas samples were collected in SUMMA canisters during this investigation; however, the canisters were purged by the laboratory in error before analysis could be conducted and, therefore, soil gas analytical results were not available.

3.2.1 Soil Sampling

Soil samples SB-1-8.5 (from 8.0 to 8.5-foot depth interval) and SB-2-2.5 (from 2.0 to 2.5-foot depth interval) from borings SB-1 and SB-2, respectively, were submitted for analyses as follows:

- VOCs, including TPHg, BTEX, MTBE, TBA, EDC or 1,2-DCA, EDB, and naphthalene, using U.S. Environmental Protection Agency (U.S. EPA) Method 8260B; and
- TPH quantified as motor oil (TPHmo) using U.S. EPA Method SW8015B.

Upon review of analytical results for sample SB-2-2.5, the lab was directed to analyze deeper samples from boring SB-2 since soil gas samples could not be analyzed due to a laboratory error. Samples SB-2-5, SB-2-10, and SB-2-15 were analyzed for PCE using U.S. EPA Method 8260B.

Analysis of the soil samples revealed the following:

- PCE (a VOC) was reported in samples SB-2-2.5 and SB-2-5 at concentrations of 0.032 mg/kg and 0.013 mg/kg, respectively;
- PCE was not reported in soil samples SB-2-10 and SB-2-15 at concentrations at or above its' lab RL;
- No other VOCs were reported in soil samples at concentrations at or above their respective lab RL; the lab RL of 0.004 mg/kg for EDB was above its' Tier 1 ESL of 0.00033 mg/kg which is based on leaching to groundwater (SFBRWQCB 2016); and
- Petroleum hydrocarbons were not reported in samples SB-1-8.5 and SB-2-2.5 at concentrations at or above their respective lab RL (TPHg: 0.25 mg/kg, TPHmo: 5 mg/kg).

2.2.2 Groundwater Sampling

The groundwater sample collected from boring SB-1 was submitted for analyses as follows:

- VOCs, including TPHg, BTEX, MTBE, TBA, EDC (1,2-DCA), EDB, and naphthalene, using U.S. EPA Method 8260B; and
- TPHmo using U.S. EPA Method SW8015B.

Analysis of the groundwater sample from boring SB-1 revealed the following:

- PCE and TCE were reported at concentrations of 9.5 µg/L and 1.2 µg/L, respectively;
- No other VOCs were reported in the groundwater sample at concentrations at or above

their respective lab RL; the lab RL of 0.5 µg/L for naphthalene was above its' Tier 1 ESL of 0.12 µg/L which is based on the Maximum Contaminant Level (SFBRWQCB 2016); and

- Petroleum hydrocarbons were not reported in the groundwater sample at concentrations at or above their respective lab RL (TPHg: 50 µg/L, TPHmo: 500 µg/L). The lab RL for TPHmo was elevated due to the amount of sediment in the sample. No evidence (staining, odors, etc.) of petroleum hydrocarbon impacts was noted in soil samples collected from the Site.

3.2.3 Evaluation

The concentrations of compounds of concern detected in soil and groundwater samples were compared to applicable ESLs established by the SFBRWQCB (SFBRWQCB 2016).

3.2.3.1 Soil Results Evaluation

Comparison of the analytical results to the ESLs for soil (SFBRWQCB 2016) indicate that the concentrations of PCE in soil samples SB-2-2.5 (0.032 mg/kg) and SB-2-5 (0.013 mg/kg) were below its' Tier 1 ESL of 0.42 mg/kg for PCE (based on leaching to groundwater) and the direct exposure human health risk ESL for commercial/industrial soil of 2.8 mg/kg. PCE was not detected in soil samples SB-2-10 and SB-2-15 at concentrations at or above the lab RL of 0.005 mg/kg.

3.2.3.2 Groundwater Results Evaluation

Comparison of the analytical results to the ESLs for groundwater (SFBRWQCB 2016) indicated that the reported concentration of PCE (9.5 µg/L) was above its' Tier 1 ESL of 3 µg/L, which is based on direct exposure, but was below its' ESL for commercial/industrial land use shallow groundwater vapor intrusion human health risk level of 26 µg/L. The concentration of TCE (1.2 µg/L) was below its' Tier 1 ESL of 5 µg/L.

The lab RL (500 µg/L) for TPHmo in groundwater was below its' ESL of 50,000 µg/L (based on gross contamination).

3.2.4 Conclusion

Based on the results of the Limited Phase II ESA, further investigation was required by ACDEH.

4. SWI FIELD INVESTIGATION

The SWI was conducted to evaluate current conditions by collecting soil gas, soil, and groundwater samples from select on-site locations for analysis with comparison of the analytical results to established screening levels. The scope of work and results of the SSI are presented below.

Photographs of the Site and the field investigation are included in Appendix C.

4.1 Pre-Field Activities

Before field activities associated with the proposed assessment were conducted, the pre-field tasks described below were completed.

4.1.1 Health and Safety

ERA prepared a site-specific *Health and Safety Plan* for the scope of work as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations

and Emergency Response" guidelines (29 CFR 1910.120). The document was reviewed and signed by ERA personnel and subcontractors performing work at the Site.

4.1.2 Permitting

ERA obtained a soil boring permit from the Alameda County Public Works Agency (ACPWA) before commencing intrusive field activities associated with soil and groundwater sampling. A permit was not required by ACPWA for placing the soil gas probes. ERA coordinated field activities associated with soil and groundwater sampling with the ACPWA and scheduled an ACPWA inspector to document compliance with permit requirements. A copy of the approved permit is presented in Appendix D.

4.2 Field Activities

4.2.1 Building Ventilation Survey

During the field investigation program, ERA's representative conducted a survey of the on-site building to establish the number and locations of ventilation features (fans, operable windows, and doors). ERA's representative noted the presence of four roof-mounted ventilation fans throughout the building, one operable window at the building's northeastern corner, 10 operable windows across the southern wall, and four roll-up service doors (three on the eastern wall and one on the southern wall).

4.2.2 Utility Clearance

Before conducting subsurface work at the Site, the sampling locations were cleared for underground utilities by notifying Underground Services Alert North (USA North) at least 48 hours prior to intrusive field activities. According to Cascade Drilling, L.P. (Cascade) of Richmond, California, the USA North ticket number for the Site is 710900538. TEG-Northern California (TEG) of Rancho Cordova, California, also notified USA North prior to the soil gas survey under the same USA North ticket number. Cascade and TEG are California licensed drillers.

In addition, A-Plus Utility Locating, a private utility locating contractor, cleared each proposed sampling location prior to intrusive field activities. Proposed sampling locations were adjusted, as necessary, to maintain a distance of at least 3 feet from identified underground utilities/structures.

4.2.3 Drilling and Sampling Activities

On April 20, 2017, ERA personnel provided oversight of a field and mobile laboratory crew from TEG performing a soil gas survey. On April 24, 2017 and April 25, 2017, ERA personnel provided oversight of Cascade's field crew advancing borings for collecting soil and groundwater samples.

The sampling locations are as follows:

- SB-3 in the parking lot east of Unit C (area used to perform auto repairs) to a depth of 8 feet bgs to collect soil samples to evaluate potential impacts from past on-site activities;
- SB-4 near the Site's northeastern corner in the area reportedly used to store used oil containers and in an upgradient direction to a depth of 38 feet bgs to collect soil and groundwater samples to evaluate potential impacts from on-site releases (if any); groundwater samples from this boring will also be used to evaluate potential on-site migration of the regional DWA Plume;

- SB-5 near the Site's southeastern corner in an upgradient direction to a depth of 38 feet bgs to collect soil and groundwater samples to evaluate potential impacts from on-site releases (if any); groundwater samples from this boring will also be used to evaluate potential on-site migration of the regional DWA Plume;
- SB-6 inside Unit E near the spray paint booth and storage room with oily stains on concrete floor to depths of up to 38 feet bgs to collect soil gas, soil, and groundwater samples to evaluate potential impacts from past on-site activities;
- SB-7 inside Unit C near the spray paint booth, flammables cabinets, auto body parts, and stained concrete floor to a depth of 38 feet bgs to collect soil and groundwater samples to evaluate potential impacts from past on-site activities;
- SB-8 inside Unit C near the paint mixing area, drum storage, and former machine shop to depths of up to 8 feet bgs to collect soil gas and soil samples to evaluate potential impacts from past on-site activities;
- SB-9 inside Unit A near the former storage and supply rooms to depths up to 8 feet bgs to collect soil gas and soil samples to evaluate potential impacts from past site activities; and
- SB-10 inside Unit A near the paint mixing area, drum storage, stained concrete floor, spray paint booth, and boring SB-2 (advanced in 2016) to depths of up to 38 feet bgs to collect soil gas, soil, and groundwater samples to evaluate potential impacts from past on-site activities and the extent of VOCs in soil samples collected from boring SB-2.

Down-hole drilling and sampling equipment was washed in a tri-sodium phosphate solution following the completion of sample collection activities for each soil boring.

Soil samples obtained by Cascade's crew were screened in the field by ERA's representative with a photoionization detector (PID) and observed for evidence of chemical staining. The soil screening procedures involved measuring approximately 30 grams of soil from a relatively undisturbed soil sample and placing this sample in a sealed plastic bag. The bag was warmed in the sun for approximately 20 minutes, then the head space within the bag was tested for total organic vapor, measured in ppmv, using the PID. Elevated (above background) PID readings were not noted during sampling; the highest PID reading was 0.1 ppmv in boring SB-7 at 15 feet. No evidence of impacted soil (i.e. staining, odors, sheen, etc.) was noted during sampling. The PID results are recorded on the field boring logs which are included in Appendix E.

4.2.2.1 Soil Gas Survey

ERA personnel provided oversight of a field and mobile laboratory crew from TEG during the soil gas survey. Soil gas samples were collected in general accordance with the protocols presented in the *Advisory Active Soil Gas Investigations* prepared by the Cal-EPA DTSC, LARWQCB, and RWQCB-SFB (DTSC, LARWQCB, and SFBRWQCB 2015) and ERA's Work Plan (ERA 2017).

Temporary probes were placed at four locations, SB-6, SB-8, SB-9, and SB-10, as shown on Figure 2 to collect soil gas samples. At each location one stainless steel probe was advanced to a depth of 0.5 feet below the bottom of the concrete floor slab using a roto-hammer and one stainless steel probe was advanced to a depth of 5 feet below the bottom of the concrete floor slab using a roto-hammer or a truck-mounted direct-push drilling rig (depending on access constraints).

Flexible tubing was connected to a steel vapor tip coupled in an airtight seal to the end of the drive probe. The annular space around the drive probe was filled with sand and sealed with hydrated bentonite to the floor surface to prevent leakage of ambient air into the soil gas sample. The time of probe placement at each location is noted in Table 2.

A probe blank and a syringe blank were collected following installation of probe SB-9-0.5 and a duplicate soil gas sample was collected at sampling location SB-6-5.5 for quality assurance purposes (see TEG's report in Appendix F). The probes were left in place for at least 2 hours before collecting the primary soil gas samples. After purging three volumes, the soil gas samples were collected into 50 milliliter (mL) glass syringes for analysis by TEG's mobile laboratory. The VOC 1,1-difluoroethane (1,1-DFA) was used as a leak check compound.

4.2.2.2 Soil Sampling

ERA personnel provided oversight of Cascade's field crew during the soil and groundwater investigation. A track-mounted direct-push drilling rig was used by to drive a steel probe lined with new acetate tubes into the ground to the desired depth. Soil samples were retained in the acetate tubes, capped with Teflon squares and plastic end caps, labeled with an identification number and bottom depth (e.g., 2 feet bgs) of the sampling interval, and sealed in plastic bags.

The soil samples were placed on ice and transported under chain-of-custody protocols to the project laboratory by a laboratory-provided courier.

4.2.2.3 Groundwater Sampling

New polyvinyl chloride (PVC) casing (with slotted casing in the lower 10 feet and blank casing from above the slotted casing to the ground surface) was placed in borings SB-4 through SB-7 and SB-10 by Cascade's crew. Groundwater was allowed to flow into the casing at these borings for at least one hour. A sufficient quantity of groundwater collected in the casing to fill the laboratory-provided containers appropriate for the requested analysis.

The groundwater sample containers were labeled with the boring identification number and placed on ice and transported under chain-of-custody protocols to the project laboratory by a laboratory-provided courier.

4.2.4 Borehole Abandonment and Investigation-Derived Waste Handling

Following soil gas sample collection, the probes were removed and each hole was backfilled with cement grout and resurfaced with concrete to match the floor slab. After the soil and groundwater sampling activities were complete, each borehole was backfilled with cement grout and bentonite in accordance with the ACPWA permit requirements and the ACPWA inspector's directions.

Investigation-derived waste (IDW; soil cuttings) produced during sampling activities were containerized in one 55-gallon container and left on site pending receipt of analytical results. Appropriate off-site disposal options will be discussed with the client after review of the results.

4.2.5 Deviations from the Work Plan

Deviations from ERA's work plan (ERA 2017) were as follows:

- Boring SB-7 was moved from off the northwestern corner of the spray paint booth in Unit C to near the northeastern corner of this spray paint booth based on the analytical results of

the soil gas sample collected from sampling location SB-8 placed near the northeastern corner of Unit C;

- The leak check compound 1,1-DFA was included in the list of analytes for soil gas samples as requested by ACDEH in their letter dated April 11, 2017 (ACDEH 2017) that conditionally approved ERA's work plan (ERA 2017); and
- Soil gas samples collected from the 5-foot depth below the bottom of the concrete floor slab were additionally analyzed for methane, carbon dioxide, and oxygen as requested by ACDEH in their letter dated April 11, 2017 (ACDEH 2017) that conditionally approved ERA's work plan (ERA 2017).

4.3 Analysis, Results, and Evaluation

The soil gas samples were analyzed on site by TEG's mobile laboratory and soil and groundwater samples were submitted to SunStar Laboratories, Inc. (SunStar), a laboratory certified by the State of California to perform the requested analyses. A discussion of the analytical methods, results, and evaluation of the analytical data is presented below. Copies of TEG's soil gas survey report is presented in Appendix F and SunStar's analytical reports and chain-of-custody documentation are presented in Appendix G.

4.3.1 Soil Gas Analysis and Results

The soil gas samples (total of eight) from the 0.5-foot and 5-foot depths from below the concrete floor slab at sampling locations SB-6 and SB-8 through SB-10 were analyzed for VOCs using U.S. EPA Method 8260B. In addition, the soil gas samples (total of four) from the 5-foot depth from below the concrete floor slab at sampling locations SB-6 and SB-8 through SB-10 were analyzed for methane, carbon dioxide, and oxygen by gas chromatography/thermal conductivity detector (GC/TCD). Methane, carbon dioxide, and oxygen data are used as indicator parameters for MNA and will assist in evaluating subsurface conditions for MNA.

Analysis of the soil gas samples revealed the presence of PCE in each of the samples at concentrations up to 240 µg/m^3 and toluene in two samples (SB-8-0.5 and SB-10-0.5) at concentrations up to 1,300 µg/m^3. PCE was reported at a concentration of 200 µg/m^3 in the duplicate sample from sampling location SB-6-5.5 which closely matched the results of the primary sample SB-6-5.5 which reported PCE at a concentration of 240 µg/m^3.

The leak check compound 1,1-DFA was not reported in the soil gas samples at a concentration at or above the lab RL.

Methane and carbon dioxide were not reported at concentrations at or above their respective reporting limit of 1,000 ppmv (0.1%) and 1%. Oxygen was reported in each soil gas sample at 19% to 21%.

The analytical results for the compounds reported in the soil gas samples are presented in Table 2 and discussed below in Section 4.4.1. Data related to the soil gas evaluation are presented in Tables 3 and 4.

4.3.2 Soil Analysis and Results

Depth intervals for the soil samples collected during this investigation are presented in Table 5.

The samples were analyzed as follows:

- VOCs, including BTEX, MTBE, TBA, EDB, EDC (1,2-DCA), naphthalene, and TPHg, using U.S. EPA Method 8260B; and
- TPHd and TPHmo using U.S. EPA Method SW8015B.

The analysis of the soil samples revealed the following (see Table 5):

- PCE was reported in soil samples from borings SB-6, SB-7, and SB-8, at concentrations of up to 0.027 mg/kg; and
- TPHd and/or TPHmo were reported in soil samples from each boring at concentrations of up to 39 mg/kg and 71 mg/kg, respectively.

The analytical results for the compounds detected in the soil samples are presented in Table 5 and discussed below in Section 4.4.2.

4.3.3 Groundwater Analysis and Results

The groundwater samples were submitted for analyses as follows (see Table 6):

- VOCs, including BTEX, MTBE, TBA, EDB, EDC (1,2-DCA), naphthalene, and TPHg, using U.S. EPA Method 8260B; and
- TPHd and TPHmo using U.S. EPA Method SW8015B.

The analysis of the groundwater samples revealed the following (see Table 6):

- PCE was reported in each groundwater sample at concentrations up to 41 µg/L; and
- TPHd was reported in three groundwater samples at concentrations up to 720 µg/L.

The analytical results for the compounds detected in the groundwater samples are presented in Table 6 and discussed below in Section 4.4.3.

4.4 EVALUATION

The concentrations of compounds of concern (CoCs) reported in soil gas, soil, and groundwater samples during the recent investigation were compared to applicable ESLs established by the SFBRWQCB (SFBRWQCB 2016). Soil gas results were also compared to CHHSLs established by OEHHA (OEHHA 2010) per DTSC Guidance (DTSC 2011). CHHSLs are protective of commercial indoor air and soil vapor linked to vapor intrusion scenarios. ESLs and CHHSLs are presented in Table 2 (soil gas results) and ESLs are presented in Tables 5 and 6 (soil and groundwater results, respectively). The CoCs with concentrations reported above the lab RL and the associated concentrations are also presented on Figures 3 through 6.

4.4.1 Soil Gas Results Evaluation

Evaluation of the soil gas sample results revealed the following:

- PCE was detected in the eight soil gas samples with reported concentrations of 240 µg/m^3 to 4,700 µg/m^3 which are equal to or above its' Tier 1 ESL of 240 µg/m^3; the PCE concentrations in five of the eight soil gas samples were above its' CHHSL of 1,600 µg/m^3;

- Toluene was reported in two soil gas samples at concentrations ranging up to 1,300 µg/m^3 which are below its' Tier 1 ESL of 160,000 µg/m^3 and CHHSL of 890,000 µg/m^3;
- Methane and carbon dioxide were not reported at concentrations at or above their respective reporting limit of 1,000 ppmv (0.1%) and 1%. Oxygen was reported in each soil gas sample at 19% to 21%. Low levels of methane and carbon dioxide indicate that biodegradation is not occurring but enriched oxygen levels are an indication that soil conditions are appropriate for aerobic biodegradation.

The highest concentration of PCE in soil gas (4,700 µg/m^3) was reported above its' CHHSL of 1,600 µg/m^3. Based on the exceedance of the CHHSL for PCE a risk calculation was completed for indoor air. It should be noted that the presence of a chemical at concentrations in excess of a CHHSL does not indicate that adverse impacts to human health are occurring, or will occur, but suggests that further evaluation of potential human health concerns is warranted (OEHHA 2010).

Risk calculations were completed for a commercial worker and conservatively used an indoor air concentration of 235 µg/m^3 which was calculated based on the maximum soil gas concentration of 4,700 µg/m^3 and an attenuation factor of 0.05 (see Table 4).

Exposure parameters for a commercial worker used in the calculation are presented in Table 3 and include an exposure frequency of 250 days/year, an exposure duration of 25 years, and an averaging time of 70 years for carcinogens. An 8-hour work day was also assumed in the calculation. Inhalation reference concentrations and unit risks are presented in Table 3 and include California specific values. The risk calculation is presented in Table 4. The estimated risks based on exposure to VOCs in indoor air include an incremental cancer risk of 1.13 x 10^{-4} and a non-cancer hazard index of 0.55. DTSC's Guidance (DTSC 2011) indicates that predicted risks between 1 x 10^{-6} and 1 x 10^{-4} should be evaluated further including monitoring or additional data collection. The risk estimates are considered upper bound estimates of risk; it is very likely that the true risks are less than those predicted. In general, the U.S. EPA considers excess cancer risks that are below about 1 chance in 1,000,000 (1×10^{-6}) to be so small as to be negligible, and risks above 1 x 10^{-4} to be sufficiently large that some sort of remediation is desirable (http://www.epa.gov/region8/r8risk/hh_risk.html). Excess cancer risks that range between 1 x 10^{-6} and 1 x 10^{-4} are generally considered to be acceptable but is evaluated on a case-by-case basis.

4.4.2 Soil Results Evaluation

Comparison of the soil analytical results to the Tier 1 ESLs (SFBRWQCB 2016) indicate that the reported PCE concentrations of up to 0.027 mg/kg are below its' Tier 1 ESL of 0.42 mg/kg.

Reported TPHd and TPHmo concentrations of up to 39 mg/kg and 71 mg/kg, respectively, are below their Tier 1 ESLs of 240 mg/kg and 100 mg/kg, respectively.

4.4.3 Groundwater Results Evaluation

Comparison of the analytical results to Tier 1 ESLs for groundwater (SFBRWQCB 2016) indicated that the reported PCE concentrations (4.4 µg/L to 41 µg/L) are above its' ESL of 3 µg/L. The Tier 1 ESL of 3 µg/L is based on direct exposure. Only the PCE concentration of 41 µg/L reported in the groundwater sample from boring SB-10 was above its' ESL of 26 µg/L for commercial/industrial land use shallow groundwater vapor intrusion human health risk level.

TPHd was reported in three groundwater samples at concentrations of 200 µg/L to 720 µg/L. The reported TPHd concentrations in the groundwater samples are above its' Tier 1 ESL of 100 µg/L.

5. CONCEPTUAL SITE MODEL

A CSM documents the physical setting, chemicals of potential concern (COPCs), COPC sources, COPC distribution in soil gas, soil, and/or groundwater (including plume stability), potential migration pathways, and potential receptors/exposure pathways. The purpose of a CSM is to help identify data gaps and to aid in the evaluation of the data collected from the Site. Data collected during the previous site investigation was used to develop an initial site-specific CSM. The initial CSM was presented in the soil and groundwater investigation work plan for the Site (ERA 2017).

The initial CSM was refined based on the data collected during the recent investigation. Data indicate that soil and groundwater beneath the Site have been impacted by VOCs and petroleum hydrocarbons, but that benzene, MTBE, ethylbenzene, and naphthalene were not reported in soil or groundwater samples at concentrations at or above their respective lab RL.

5.1 Potential Sources: On-site, Off-site

As noted by Basics Environmental (Basics Environmental 2015), the Site has been occupied by automobile repair shops and body and painting shops since the late-1980s. Hazardous substances have been used and stored on site by these tenants.

The primary sources of petroleum hydrocarbons and chlorinated solvents on site would likely be storage containers associated with the past tenant activities. An UST for gasoline was reportedly permitted but lack of installation and/or removal reports and results of a geophysical survey reportedly conducted in the past indicates that the UST likely was not installed on site.

Secondary sources at the Site would be residual masses of petroleum hydrocarbons in soil and groundwater beneath the Site. To date, 21 soil samples from ten borings have been collected and analyzed for VOCs and/or petroleum hydrocarbons. VOCs were reported in seven soil samples from four borings and petroleum hydrocarbons were reported in 15 soil samples from eight borings. The concentrations of VOCs and petroleum hydrocarbons in soil were below the screening levels (ESLs; SFBRWQCB 2016). Based on the available data, the likelihood of significant residual mass of VOCs and petroleum hydrocarbons in soil across the Site appears low.

VOCs were reported in groundwater samples from six borings and petroleum hydrocarbons were reported in groundwater samples from three borings. The concentrations of VOCs in groundwater samples from each boring were above the screening levels (ESLs; SFBRWQCB 2016) and the concentrations of petroleum hydrocarbons in groundwater samples from three borings were above the screening levels (ESLs; SFBRWQCB 2016). The highest concentrations of VOCs and petroleum hydrocarbons in groundwater were reported in groundwater samples collected from borings located within the footprint of the on-site building. Based on the available data, the residual mass of VOCs and petroleum hydrocarbons in groundwater beneath the Site appears localized to the area beneath the on-site building.

5.2 Nature and Extent of Environmental Impacts: Soil Vapor, Soil, and Groundwater

5.2.1 Petroleum Hydrocarbon Distribution in Soil Vapor

Soil gas samples were collected from within the footprint of the on-site building to evaluate potential vapor intrusion into the building. PCE was detected in each of the four soil gas samples collected from a depth of approximately 0.5 feet below the concrete floor slab and in each of the four soil gas samples collected from a depth of approximately 5.5 feet below the concrete floor slab. The highest concentration of PCE in soil gas (4,700 µg/m^3) correlated to the highest concentration of PCE reported in groundwater (41 µg/L); the soil gas and groundwater samples were collected at sampling location SB-10. Toluene was also reported in the soil gas samples from sampling locations SB-8 and SB-10 but was not reported in the groundwater samples from these sampling locations. The PCE concentrations are equal to or above its' Tier 1 ESL of 240 µg/m^3 in each of the eight soil gas samples and above its' CHHSL of 1,600 µg/m^3 in five of the eight soil gas samples. The toluene concentrations or lab RLs for each of the eight soil gas samples are below its' Tier 1 ESL of 160,000 µg/m^3 and CHHSL of 890,000 µg/m^3.

Methane and carbon dioxide were not reported at concentrations at or above their respective RL of 1,000 ppmv (0.1%) and 1%. Oxygen was reported in each soil gas sample at 19% to 21%. Low levels of methane and carbon dioxide indicate that biodegradation is not occurring but enriched oxygen levels are an indication that soil conditions are appropriate for aerobic biodegradation.

Soil gas samples were not collected from the southern portion of the building as this area was reported only used for offices or commercial businesses (e.g., barber shop) that did not involve use of hazardous materials.

5.2.2 Petroleum Hydrocarbon Distribution in Soil

The site investigation results indicated the presence of VOCs in soil at similar concentrations at four sampling locations within the building footprint and TPHd and TPHmo at similar concentrations across the Site. The highest concentration of the VOC PCE in soil (0.032 mg/kg) was reported at sampling location SB-10 from a depth interval of 2- to 2.5-feet bgs. The highest concentration of TPHd (39 mg/kg) was reported at sampling location SB-9, located within the former supply room in the on-site building, and the highest concentration of TPHmo (71 mg/kg) was reported at sampling location SB-4, located in an area reportedly used in the past for storing used oil. The reported concentrations VOCs, TPHd, and TPHmo in soil were below their respective Tier 1 ESL.

Benzene, ethylbenzene, naphthalene, and MTBE were not reported in soil samples at concentrations at or above their respective lab RL.

5.2.3 Petroleum Hydrocarbon Distribution in Groundwater

The site investigation results indicated the presence of VOCs in each groundwater sample collected from the on-site borings. PCE was reported at similar concentrations at the three sampling locations on the eastern portion of the Site (parking lot area). The PCE concentrations in groundwater beneath this area of the Site were similar to those reported for groundwater samples from monitoring wells associated with the DWA Plume and located upgradient of the Site. The highest concentration of PCE in groundwater was reported in the groundwater sample from sampling location SB-10, located within the central portion of the on-site building. The PCE concentrations in the six groundwater samples collected from the Site are above its' ESL of 3 µg/L.

Only the PCE concentration of 41 µg/L reported in the groundwater sample from boring SB-10 was above its' ESL of 26 µg/L for commercial/industrial land use shallow groundwater vapor intrusion human health risk level.

TPHd was reported in groundwater samples from three sampling locations within the building footprint. The highest concentration of TPHd in groundwater (720 µg/L) was reported at sampling location SB-6, located in the southwestern portion of the on-site building. The lowest TPHd concentration in groundwater (200 µg/L) was reported at sampling location SB-10, located in the central portion of the building. The reported TPHd concentrations in the groundwater samples are above its' Tier 1 ESL of 100 µg/L.

Benzene, ethylbenzene, naphthalene, and MTBE were not reported in groundwater samples at concentrations at or above their respective lab RL.

6. POTENTIAL DATA GAPS

Based on a review of available data and the CSM prepared for the Site, the potential data gaps identified include the following:

- The extent of TPHd in groundwater has not been delineated. However, based on the lack of benzene, ethylbenzene, naphthalene, and MTBE in soil and groundwater beneath the Site, the likely limited extent of TPHd in groundwater, and lack of water-supply wells within 1,000 feet of the Site in a downgradient direction, additional investigation for petroleum hydrocarbons in groundwater does not appear warranted. The TPHd reported in groundwater beneath the Site may be associated with the DWA Plume as petroleum hydrocarbons have been reported in this plume.
- The concentrations of VOCs in indoor air has not been assessed. Soil gas data from probes placed within the building footprint indicated a potential indoor air concentration for PCE of 235 µg/m^3 with an estimated incremental cancer risk of 1.13 x 10^{-4} and a non-cancer hazard index of 0.55. Collection and analysis of indoor air samples from within the building will establish actual PCE concentrations in indoor air and allow calculation of risk.

7. LOW THREAT UST CLOSURE POLICY

The SWRCB's LTCP and Technical Justification for Groundwater Media-Specific Criteria were reviewed for comparison to site data because TPHd was reported in groundwater beneath the Site. A permit from 1972 to install a UST on site was obtained by Basics Environmental (Basics Environmental 2015); however, no documentation on the actual installation of a UST was available and a geophysical survey across the Site in the past did not identify anomalies indicative of a UST. The source of diesel in groundwater beneath the Site may have been an undocumented UST or releases through floor drains within the on-site building during vehicle repairs by past site tenants. Closure Criteria in the Low Threat UST Closure Policy are organized as follows:

- General Criteria
- Media Specific Criteria-Groundwater
- Media Specific Criteria – Petroleum Vapor Intrusion to Indoor Air
- Media Specific Criteria – Direct Contact and Outdoor Air Exposure
- Additional Criteria

Site-specific data obtained from past site investigations were used to address each criteria, as summarized below. The following presents a brief summary of the results with respect to media-specific criteria as described in the LTCP.

7.1 GENERAL CRITERIA

The general criteria relate to the site use, presence of free product, sources, and completeness of the Site understanding. As evidenced in the data presented in the CSM, a sufficiently good understanding of site conditions, on- and offsite receptors, and site history has been established. These general criteria and a discussion of how site conditions are consistent with these criteria are presented below.

The unauthorized release is located within the service area of a public water system:

The Site is located within the following service area: *East Bay Municipal Utility District*

The unauthorized release consists only of petroleum:

Uses of the Site have included:

- Assembly of parachutes with the components provided by contractors between 1951 when the building was constructed and the late-1980s; a machine shop was present near the northeastern corner of the building during this time; and
- Auto painting, auto body repair, and auto repair businesses have occupied the Site since the late-1980s; these businesses have used various hazardous materials, including paints and solvents, and installed three spray paint booths inside the building.

The existing commercial building was reportedly constructed in 1951 and is currently occupied by one tenant, A&C Auto Body and Frame (present since at least 2005).

The unauthorized ("primary") release from the UST system has been stopped:

No specific information on a former UST was available and no information regarding the removal of a UST or associated sampling was contained within the local regulatory agency files reviewed by Basics Environmental during their Phase I ESA (Basics Environmental 2015). The results of a geophysical survey in the past indicated that no existing UST appears to be present on or near the Site and no source for an ongoing release is apparent in the surveyed area.

Free product has been removed to the maximum extent possible:

No free product was noted during the site investigations.

A conceptual site model (CSM) that assesses the nature, extent, and mobility of the release has been developed:

The CSM prepared for the Site is summarized in the soil and groundwater investigation work plan (ERA 2017). CSM elements are:

- Geology and Hydrogeology
- Surface Water Bodies
- Nearby Wells
- Constituents of Concern

- Potential Sources: On-site, Off-site
- Nature and Extent of Environmental Impacts: Soil Vapor, Soil, Shallow Groundwater, Deeper Groundwater
- Migration Pathways: Potential Conduits (underground utilities)
- Potential Receptors: On-site, Off-site (workers, residents, water wells, surface water

Secondary source has been removed to the extent practicable:

No specific information on removal of potentially-impacted soil, quantity of excavated soil, disposal facility, etc. has been obtained to date.

Soil and groundwater have been tested for MTBE and results reported in accordance with Health and Safety Code 25296.15:

Soil and groundwater samples collected have been analyzed for benzene and MTBE. Benzene and MTBE have not been detected in soil and groundwater samples analyzed to date.

Nuisance as defined by the Water Code section 13050 does not exist at this site:

Health and Safety Code section 25296.15 prohibits closing a UST case unless the soil, groundwater, or both, as applicable have been tested for MTBE and the results of that testing are known to the Regional Water Quality Control Board. The exception to this requirement is where a regulatory agency determines that the UST that leaked has only contained diesel or jet fuel. Before closing a UST case pursuant to this policy, the requirements of section 25296.15, if applicable, shall be satisfied. *A nuisance as defined by the water code does not exist at this Site.*

7.2 MEDIA-SPECIFIC CRITERIA - GROUNDWATER

Site groundwater data are utilized to evaluate media-specific criteria, specifically groundwater.

***Plume Study*:** Comparison of the groundwater analytical results to the compounds noted in Table 1 of the Technical Justification for Groundwater Media-Specific Criteria indicated the following:

- Benzene was not detected in groundwater samples at concentrations at or above the laboratory reporting limit of 0.5 µg/L to 0.62 µg/L; based on the lack of benzene detections in groundwater isoconcentration contours are not presented on figures in this report;
- MTBE was not detected in groundwater samples at concentrations at or above the laboratory reporting limits of 0.5 µg/L; based on the lack of MTBE detections in groundwater isoconcentration contours are not presented on figures in this report; and
- TPHd was detected in groundwater samples from borings SB-6, SB-7, and SB-10 at concentrations of 720 µg/L, 390 µg/L, and 200 µg/L, respectively; based on the number (three) of TPHd detections in groundwater, isoconcentration contours are not presented on figures in this report.

Plume Length: The length of the TPHd plume is more than 100 feet as measured from the source area assumed to be in the area of borings SB-2/SB-10 to the western site boundary but is likely less than 250 feet as measured from the source area to the plume boundary.

***Well Survey*:** A water well survey was conducted by Closure Solutions in 2008 for Palace Garage located at 14336 Washington Avenue (Closure Solutions 2008). Based on the available information, the nearest well is more than 280 feet south and crossgradient of the Site with respect to the site location and inferred local groundwater flow direction. No water-supply wells were identified in a downgradient direction and within 1,000 feet of the Site.

Surface *Water*: No surface water bodies were identified within 1,000 feet of the Site. The nearest surface water body is an unnamed creek located approximately 1.3 miles north of the Site (crossgradient). Estudillo Canal and San Francisco Bay are located approximately 1.5 miles south-southwest (crossgradient) and 2.4 miles southwest (downgradient) of the Site, respectively.

***Low Threat Groundwater Class*:** The Plume Study noted that TPHg, benzene, and MTBE were not detected in groundwater samples at concentrations at or above their respective laboratory RL and the length of the TPHd plume is more than 100 feet as measured from the source area assumed to be in the area of borings SB-2/SB-10 to the western site boundary but is likely less than 250 feet as measured from the source area to the plume boundary. Based on the lack of TPHg, benzene, and MTBE in groundwater and likely a short, stabilized plume length of less than 250 feet which indicates a small or depleted source and/or very high natural attenuation rate, and the lack of receptors (existing water supply well or surface water body) within 1,000 feet of the Site, the Site appears to satisfy the Class 2 Groundwater Plume Class Criteria.

7.3 MEDIA SPECIFIC CRITERIA –VAPOR INTRUSION TO INDOOR AIR

Soil gas and soil data collected from the Site are utilized to evaluate vapor intrusion to indoor air.

***Soil*:** Analysis of soil samples collected from the Site did not reveal the presence of benzene (lab RL of 0.005 mg/kg), ethylbenzene (lab RL of 0.005 mg/kg), MTBE (lab RL of 0.005 mg/kg), or naphthalene (lab RL of 0.005 mg/kg) in soil samples at concentrations at or above their respective lab RL. Weathered petroleum hydrocarbons were not present in soil samples.

***Soil Gas*:** Soil gas samples were collected from four sampling locations depths of approximately 0.5 and 5.5 feet below the floor slab of the on-site building. Analysis of the soil gas samples revealed the presence of PCE and toluene at concentration of up to 4,700 µg/m^3 and 1,300 µg/m^3, respectively. Reported PCE concentrations in each of the eight soil gas samples are equal to or above its' Tier 1 ESL of 240 µg/m^3; the PCE concentrations in five of the eight soil gas samples are above its' CHHSL of 1,600 µg/m^3. Toluene was reported in two soil gas samples at concentrations up to 1,300 µg/m^3 which are below its' Tier 1 ESL of 160,000 µg/m^3 and CHHSL of 890,000 µg/m^3.

Methane and carbon dioxide were not reported at concentrations at or above their respective reporting limit of 1,000 parts per million volume (ppmv or 0.1 %) and 1%. Oxygen was reported in each soil gas sample at 19% to 21%. Low levels of methane and carbon dioxide indicate that biodegradation is not occurring but enriched oxygen levels are an indication that soil conditions are appropriate for aerobic biodegradation

***Petroleum Vapor Intrusion to Indoor Air*:** Based on the lack of detections of benzene, ethylbenzene, MTBE, naphthalene, and methane in soil gas, and lack of weathered petroleum hydrocarbons in shallow soil, petroleum vapor intrusion to indoor air does not appear to be a significant environmental or health concern at the Site.

7.4 MEDIA SPECIFIC CRITERIA – DIRECT CONTACT AND OUTDOOR AIR EXPOSURE

Soil data collected from the Site are utilized to evaluate vapor intrusion to indoor air.

***Soil*:** During the subsurface investigations, soil samples were collected from the 0- to 5-foot depth interval and the 5- to 10-foot depth interval for petroleum hydrocarbon analysis, including benzene, ethylbenzene, and naphthalene (as presented in Table 1 of the LTCP). Table 7 below presents the limits for benzene, ethylbenzene, and naphthalene concentrations at commercial/industrial properties as noted in the LTCP.

Table 7. LTCP Concentrations (mg/kg)

Compound	0- to 5-foot depth interval	5- to 10-foot depth interval
Benzene	8.2	12
Ethylbenzene	89	134
Naphthalene	45	45

Benzene, ethylbenzene, and naphthalene were not reported in soil samples collected from on-site borings at concentrations at or above their respective lab RL. The lab RL of 0.005 mg/kg for each compound was well below the limits presented above for each depth interval.

***Site Conditions/Use*:** The surface across the Site is covered by the on-site building, concrete sidewalk, asphalt pavement, and landscaping areas. Currently, the Site is used for commercial purposes and there are no redevelopment plans.

***Direct Contact and Outdoor Air Exposure*:** Based on lack of petroleum hydrocarbons in shallow soil, current site conditions, and current commercial use of the Site, direct contact with soil and outdoor air exposure do not appear to be a significant environmental or health concern at the Site.

8. CONCLUSIONS

The results of the site investigations indicated that VOCs and petroleum hydrocarbons are present in soil and groundwater samples collected from the Site. The concentrations of PCE and petroleum hydrocarbons were below the applicable ESL in soil but above the applicable ESL for groundwater. TCE was not reported in soil at concentrations at or above its' lab RL but was reported in groundwater at a concentration below its' groundwater ESL.

The presence of PCE and petroleum hydrocarbons in soil indicate a past on-site release; however, the data do not show an on-site source extending to groundwater. PCE concentrations in soil have been shown to decrease with depth and is not reported in soil samples that were collected from depths of more than 8 feet and analyzed for VOCs. The shallowest saturated soils documented on site were at depths of at least 18 feet bgs with a separation of at least 10 feet between the soil samples with PCE and the water table. PCE, one of the main VOCs within the DWA Plume, was reported at concentrations up to 210 µg/L in nearby upgradient wells associated with the DWA Plume (The Source Group 2015). The distribution of PCE in groundwater beneath the Site indicates that the Site has been impacted by VOCs associated with the DWA Plume as PCE has been reported in groundwater samples from borings SB-4 and SB-5 located on the Site's upgradient portion. In addition, the DWA Plume is likely the source of TCE reported in groundwater beneath the Site based on the low levels (1.2 µg/L and 2.2 µg/L) of TCE reported on site and

concentrations of up to 20 µg/L in wells associated with the DWA Plume and located in close proximity (within 500 feet) and in an upgradient direction from the Site (The Source Group 2015).

Petroleum hydrocarbons have also been reported as associated with the DWA Plume and may have migrated onto the Site in the past resulting in the TPHd detections in groundwater beneath the Site. The low levels of TPHd and TPHmo reported in shallow soil across the Site would be unlikely to result in the concentrations of TPHd reported in groundwater beneath the site building. As noted above, TPHd and TPHmo were reported in soil at concentrations below applicable ESLs and benzene, ethylbenzene, and naphthalene were not reported in soil samples at concentrations at or above their respective lab RL. The lab RL for benzene, ethylbenzene, and naphthalene were below the limits listed in Table 1 of the LTCP (8.2 mg/kg for benzene, 89 mg/kg for ethylbenzene, and 45 mg/kg for naphthalene for shallow soil).

Data from the soil gas survey were used to estimate risk associated with indoor air exposure. Soil gas samples were not collected from the southern portion of the building as this area was reportedly only used for offices or commercial businesses (e.g., barber shop) that did not involve use of hazardous materials. An incremental cancer risk of 1.13×10^{-4} and a non-cancer hazard index of 0.55 were estimated for exposure to VOCs in indoor air calculated using soil gas results. These screening level calculations are based on conservative factors and do not consider site-specific conditions. The site building has very good ventilation with an air exchange rate significantly higher than would be normal for a commercial building as each unit within the building has at least one roll-up service door which are typically left open by the tenant during business hours. This higher air exchange rate would be expected to decrease the indoor air concentrations of VOCs. However, DTSC's Guidance (DTSC 2011) indicates that predicted risks between 1×10^{-6} and 1×10^{-4} should be evaluated further by monitoring or additional data collection.

9. RECOMMENDATIONS

The presence of a UST on site has not been confirmed through available files reviewed by Basics Environmental and a geophysical survey. Operations by the current and sole site tenant are limited to vehicle body work and painting with no automobile repairs performed on site. Therefore, no source for an ongoing release is apparent on site. The likelihood of secondary sources (significant residual mass of VOCs and petroleum hydrocarbons in soil across the Site) appears low, based on the available data. Based on the available data, further soil and groundwater assessment does not appear warranted at this time.

An indoor air quality assessment is recommended at the Site to evaluate risk associated with VOCs exposure based on risk calculations that indicate an incremental cancer risk of 1.13×10^{-4} and a non-cancer hazard index of 0.55 associated with exposure to VOCs in indoor air.

10. REFERENCES

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TABLES

Table 2
Soil Gas Samples Analytical Summary
139th Avenue Property
295 139th Avenue
San Leandro, California 94578

Analyte (units: µg/m^3 = micrograms per cubic meter)	CHHSL[3]	Tier 1 ESL[4]	Commercial/ Industrial ESL[4]	Sample ID							
				SB-6-0.5[1]	SB-6-5.5[2]	SB-8-0.5	SB-8-5.5	SB-9-0.5	SB-9-5.5	SB-10-0.5	SB-10-5.5
				Time Probe Placed (hours)							
				1045	1100	1015	1032	845	905	928	950
Benzene	280	48	420	<80	<80	<80	<80	<80	<80	<80	<80
Carbon Tetrachloride	210	33	290	<100	<100	<100	<100	<100	<100	<100	<100
Chloroethane	NE	5,200,000	44,000,000	<100	<100	<100	<100	<100	<100	<100	<100
Chloroform	NE	61	530	<100	<100	<100	<100	<100	<100	<100	<100
Dichlorodifluoromethane	NE	NE	NE	<100	<100	<100	<100	<100	<100	<100	<100
1,1-Dichloroethane (1,1-DCA)	NE	880	7,700	<100	<100	<100	<100	<100	<100	<100	<100
1,2-Dichloroethane (1,2-DCA)	360	54	470	<100	<100	<100	<100	<100	<100	<100	<100
1,1-Dichloroethene (1,1-DCE)	NE	37,000	310,000	<100	<100	<100	<100	<100	<100	<100	<100
cis-1,2-Dichloroethene (cis-1,2-DCE)	120,000	4,200	35,000	<100	<100	<100	<100	<100	<100	<100	<100
trans-1,2-Dichloroethene	240,000	31,000	260,000	<100	<100	<100	<100	<100	<100	<100	<100
Ethylbenzene	3,600	560	4,900	<100	<100	<100	<100	<100	<100	<100	<100
Methylene Chloride	NE	1,400	12,000	<100	<100	<100	<100	<100	<100	<100	<100
Tetrachloroethene (PCE)	1,600	240	2,100	**1,600**	**240**	**2,300**	**1,800**	**810**	**720**	**4,700**	**2,400**
1,1,1,2-Tetrachloroethane	NE	190	1,700	<100	<100	<100	<100	<100	<100	<100	<100
1,1,2,2-Tetrachloroethane	NE	24	210	<100	<100	<100	<100	<100	<100	<100	<100
Toluene	890,000	160,000	1,300,000	ND	ND	**270**	ND	ND	ND	**1,300**	ND
1,1,2-Trichloroethane	NE	88	770	<100	<100	<100	<100	<100	<100	<100	<100
Trichloroethene (TCE)	4.4	340	3,000	<100	<100	<100	<100	<100	<100	<100	<100
1,1,1-Trichloroethane (1,1,1-TCA)	7,000,000	520,000	4,400,000	<100	<100	<100	<100	<100	<100	<100	<100
1,1,2-Trichlorotrifluoroethane	NE	NE	NE	<100	<100	<100	<100	<100	<100	<100	<100
Trichlorofluoromethane	NE	NE	NE	<100	<100	<100	<100	<100	<100	<100	<100
Vinyl Chloride	95	18	160	<100	<100	<100	<100	<100	<100	<100	<100
Xylenes	2,100,000	52,000	440,000	<100	<100	<100	<100	<100	<100	<100	<100

µg/m^3 = micrograms per cubic meter

Volatile Organic Compound (VOCs): Soil gas samples were analyzed by TEG mobile lab using U.S. EPA Method 8260B.

Bold = Compound detected

Bold = Compound detected at concentration at or above Tier 1 ESL.

Bold = Compound detected at concentration at or above Tier 1 and Commercial/Industrial Subslab/Soil Gas Vapor Intrusion Human Health Risk Levels.

NE = Not Established

1. SB-6-0.5[1] = Sample collected from sample location SB-6 from depth of 0.5 feet below top of concrete floor slab.

2. SB-6-5.5[2] = Sample collected from sample location SB-6 from depth of 5.5 feet below top of concrete floor slab.

3. California Environmental Protection Agency (Cal-EPA) Office of Environmental Health Hazard Assessment (OEHHA). 2010. California Human Health Screening Levels. Table 2 - Soil-Gas Screening Numbers for Volatile Chemicals below Buildings Constructed With Engineered Fill below Sub-slab Gravel, Commercial/Industrial Scenario. September 23

4. ESL = Environmental Screening Levels (ESLs) for soil gas as established by the Cal-EPA San Francisco Bay Regional Water Quality Control Board Tier 1 Environmental Screening Levels and Subslab/Soil Gas Vapor Intrusion:Human Health Risk Levels (Table SG-1) for Commercial/Industrial land use (SFBRWQCB, 2016), February 2016.

Table 3
Exposure Parameters for Indoor Air Risks and Hazards Estimation
139th Avenue Property
295 139th Avenue
San Leandro, California 94578

Parameter	Symbol	Unit	Value	Source
Indoor Air Concentration	$C_{indoor\ air}$	$\mu g/m^3$	Chemical Specific	Analytical Data
Exposure Frequency - Worker	EF_W	days/year	250	DTSC, 2014
Exposure Duration - Worker	ED_W	year	25	DTSC, 2014
Exposure Time - Worker	ET_W	---	0.33	8 hours/day x 1 day/24 hours
Averaging Time - Adult (carcinogen)	AT_C	years	70	DTSC, 2014
Inhalation Unit Risk for PCE	IUR	$(\mu g/m^3)^{-1}$	5.9×10^{-6}	DTSC, 2014
Inhalation Reference Concentration for PCE	RfC	$\mu g/m^3$	35	DTSC, 2014
Inhalation Unit Risk for Toluene	IUR	$(\mu g/m^3)^{-1}$	No Value Available	DTSC, 2014
Inhalation Reference Concentration for Toluene	RfC	$\mu g/m^3$	300	DTSC, 2014

Notes:

$\mu g/m^3$ = micrograms per cubic meter

California Environmental Protection Agency (Cal-EPA) Department of Toxic Subtstances Control. 2014. Human and Ecological Risk Office. The Johnson and Ettinger Model. March.

PCE = Tetrachloroethene

Table 4
Excess Lifetime Cancer Risks and Noncancer Hazards Estimation
139th Avenue Property
295 139th Avenue
San Leandro, California 94578

Compound	Maximum Indoor Air Concentration ($\mu g/m^3$)	Worker Excess Lifetime Cancer Risk	Workder Noncancer Hazard Quotient
PCE [1]	235 [2]	1.13×10^{-4}	0.55

Equations:

$$\text{Risk} = \frac{C_{indoor\ air} \times ET_W \times EF_W \times ED_W \times IUR}{AT_C \times 365\ days/year \times 24\ hours/day}$$

$$\text{Hazard Quotient} = \frac{C_{indoor\ air} \times ET_W \times EF_W \times ED_W}{AT_C \times 365\ days/year \times 24\ hours/day \times RfC}$$

Notes:

$\mu g/m^3$ = micrograms per cubic meter

1. PCE = Tetrachloroethene

2. C indoor air = α x Soil Gas Concentration; PCE $C_{indoor\ air}$ = 235 $\mu g/m^3$ using attenuation factor (α) of 0.05 for an existing commercial building and maximum PCE concentration in soil gas for SB-10-0.5 of 4,700 $\mu g/m^3$ and Toluene $C_{indoor\ air}$ = 65 $\mu g/m^3$ using α of 0.05 for an existing commercial building and maximum toluene concentration in soil gas for SB-10-0.5 of 1,300 $\mu g/m^3$. Source: California Environmental Protection Agency (Cal-EPA) Department of Toxic Subtstances Control. 2011. Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air. October

Table 5
Soil Samples Organics Analytical Summary
139th Avenue Property
295 139th Avenue
San Leandro, California 94578

On-Site Location/ Comments	Sample ID	Sample Depth (feet bgs)[1]	Petroleum Hydrocarbons			VOCs[2]							
Analytes			TPHg[3]	TPHd[3]	TPHmo[3]	PCE	TCE	Benzene	MTBE	Naphthalene	Toluene	Ethylbenzene	Xylenes
ESL[4]			100	240	100	0.42	0.46	0.044	0.023	0.023	2.9	1.4	2.3
Former UST	SB-1-8.5	1.0 - 1.5	<0.25	NA	<5	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Paint Mixing Area	SB-2-2.5	2.0 - 2.5	<0.25	NA	<5	**0.032**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Paint Mixing Area	SB-2-5	4.5 - 5.0	NA	NA	NA	**0.013**	NA	NA	NA	NA	NA	NA	NA
Paint Mixing Area	SB-2-10	9.5 - 10.0	NA	NA	NA	<0.005	NA	NA	NA	NA	NA	NA	NA
Paint Mixing Area	SB-2-15	14.5 - 15.0	NA	NA	NA	<0.005	NA	NA	NA	NA	NA	NA	NA
Exterior Auto Repair Area	SB-3-1.5	1.5 - 2.0	<0.5	**31**	**51**	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Exterior Auto Repair Area	SB-3-5.5	5.0 - 5.5	<0.5	<10	**16**	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Used Oil Containers/ Site's Upgradient Corner	SB-4-1.5	1.5 - 2.0	<0.5	**36**	**71**	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Used Oil Containers/ Site's Upgradient Corner	SB-4-8.5	8.0 - 8.5	<0.5	**21**	**25**	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Site's Upgradient Corner	SB-5-2.0	1.5 - 2.0	<0.5	**13**	<10	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Site's Upgradient Corner	SB-5-8.5	8.0 - 8.5	<0.5	**14**	**24**	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Spray Paint Booth - Unit E	SB-6-2	1.5 - 2.0	<0.5	**12**	<10	**0.0096**	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Spray Paint Booth - Unit E	SB-6-5.5	5.0 - 5.5	<0.5	<10	<10	**0.0062**	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Spray Paint Booth - Unit C	SB-7-2	1.5 - 2.0	<0.5	**22**	**31**	**0.027**	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Spray Paint Booth - Unit C	SB-7-8.5	8.0 - 8.5	<0.5	**20**	**24**	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Former Hazardous Storage Area/Former Machine Shop Area	SB-8-2	1.5 - 2.0	<0.5	**13**	**27**	**0.013**	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Former Hazardous Storage Area/Former Machine Shop Area	SB-8-5.5	5.0 - 5.5	<0.5	**20**	**23**	**0.0065**	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Inside Unit A	SB-9-3	2.5 - 3.0	<0.5	**24**	**21**	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Inside Unit A	SB-9-6	5.5 - 6.0	<0.5	**39**	**27**	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Near Spray Paint Booth/Paint Mixing Room	SB-10-2	1.5 - 2.0	<0.5	**28**	**22**	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005
Near Spray Paint Booth/Paint Mixing Room	SB-10-8.5	8.5 - 9.0	<0.5	**34**	**23**	<0.005	<0.005	<0.005	NA	<0.005	<0.005	<0.005	<0.005

Notes:

Units: mg/kg = milligrams per kilogram

Borings SB-1 and SB-2 advanced February 11, 2016, and borings SB-3 through SB-10 advanced April 24 and 25, 2017.

UST = Underground Storage Tank

1. bgs = below ground surface

2. Volatile Organic Compound (VOCs) were analyzed using U.S. EPA Method 8260B.

3. TPHg, TPHd, TPHmo = Total petroleum hydrocarbons (TPH) quantified as gasoline analyzed by U.S. EPA Method 8260; TPH quantified as diesel and TPH quantified as motor oil were analyzed using U.S. EPA Method 8015B/C.

4. California Environmental Protection Agency, San Francisco Bay Regional Water Quality Control Board Tier 1 Environmental Screening Levels (SFBRWQCB, 2016).

NA = Not analyzed for noted compound

<10 = Not detected at or above stated concentration.

Bold = Compound detected

Table 6
Groundwater Samples Organics Analytical Summary
139th Avenue Property
295 139th Avenue
San Leandro, California 94578

On-Site Location/ Comments	Sample ID	Petroleum Hydrocarbons			VOCs[1]							
Analytes		**TPHg[2]**	**TPHd[2]**	**TPHmo[2]**	**PCE**	**TCE**	**Benzene**	**MTBE**	**Naphthalene**	**Toluene**	**Ethylbenzene**	**Xylenes**
ESL[3]		100	100	100[9]	3	5	1	5	0.12	40	13	20
Former UST	SB-1-W	<50	NA	<500	**9.5**	**1.2**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Used Oil Containers/ Site's Upgradient Corner	SB-4-GW	<50	<50	<100	**4.4**	<1	<0.5	NA	**<1.0**	<0.5	<0.5	<0.5
Site's Upgradient Corner	SB-5-GW	<50	<50	<100	**5.9**	<1	<0.5	NA	**<1.0**	<0.5	<0.5	<0.5
Spray Paint Booth - Unit E	SB-6-GW	<50	**720**	<100	**7.1**	<1	<0.5	NA	**<1.0**	<0.5	<0.5	<0.5
Spray Paint Booth - Unit C	SB-7-GW	<50	**390**	<100	**21**	<1	<0.5	NA	**<1.0**	<0.5	<0.5	<0.5
Near Spray Paint Booth/Paint Mixing Room	SB-10-GW	<62	**200**	<100	**41**	**2.2**	<0.62	NA	**<1.2**	<0.62	<0.62	<0.62

Notes:

Units: µg/L = micrograms per liter

SB-6-GW chloroform also at 1.9 µg/L

Borings SB-1 and SB-2 advanced February 11, 2016, and borings SB-3 through SB-10 advanced April 24 and 25, 2017.

1. Volatile Organic Compounds (VOCs) were analyzed using U.S. EPA Method 8260B. PCE = Tetrachloroethene and TCE = Trichloroethene

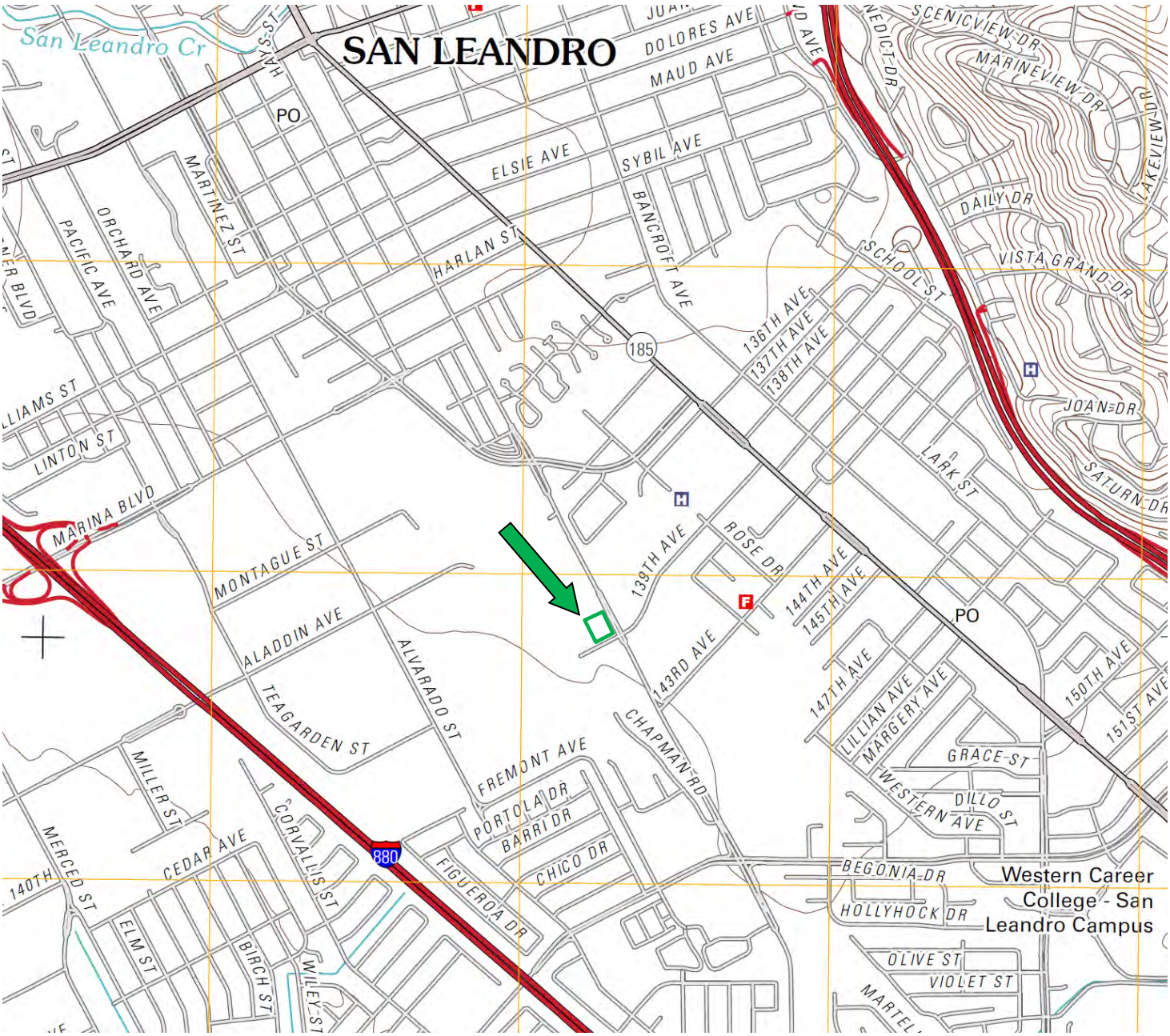
2. TPHg, TPHmo = Total petroleum hydrocarbons (TPH) quantified as gasoline analyzed by U.S. EPA Method 8260; TPH quantified as motor oil were analyzed using U.S. EPA Method 8015B/C.

3. California Environmental Protection Agency, San Francisco Bay Regional Water Quality Control Board Tier 1 Environmental Screening Levels (SFBRWQCB, 2016), Note 2 states: TPH motor oil is not soluble. TPH motor oil detections in water most likely are petroleum degradates or less likely NAPL. If the detections are degradates, add TPH motor oil and TPH diesel results and compare to TPH diesel criterion. The noted ESL was established for TPH-d.

NA = Not analyzed for noted compound
<10 = Not reported at or above stated concentration
Bold = Compound detected

Bold =	Compound detected above ESL
Bold =	Compound laboratory reporting limit is above ESL

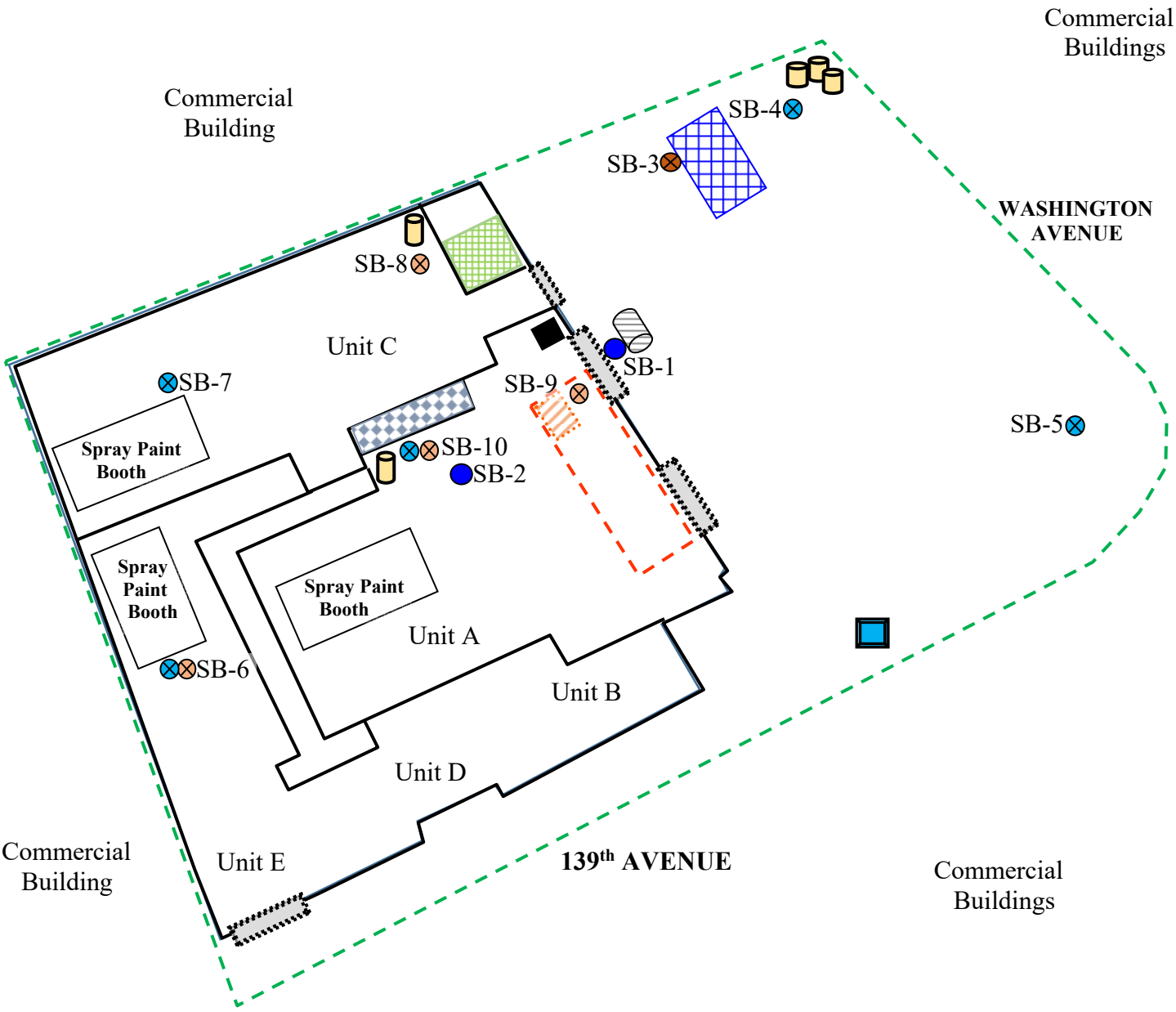
FIGURES



Legend

Site (boundaries approximate) Source: USGS San Leandro, CA Quadrangle Topographic Map, 2012

ERA soil-water-vapor	**Site Location Map**	PN: 01-2017-1500-001
		Date: June 12, 2017
	SOIL AND GROUNDWATER INVESTIGATION REPORT	EP: Lita Freeman
	295 139th Avenue, San Leandro, California 94578	**Figure 1**



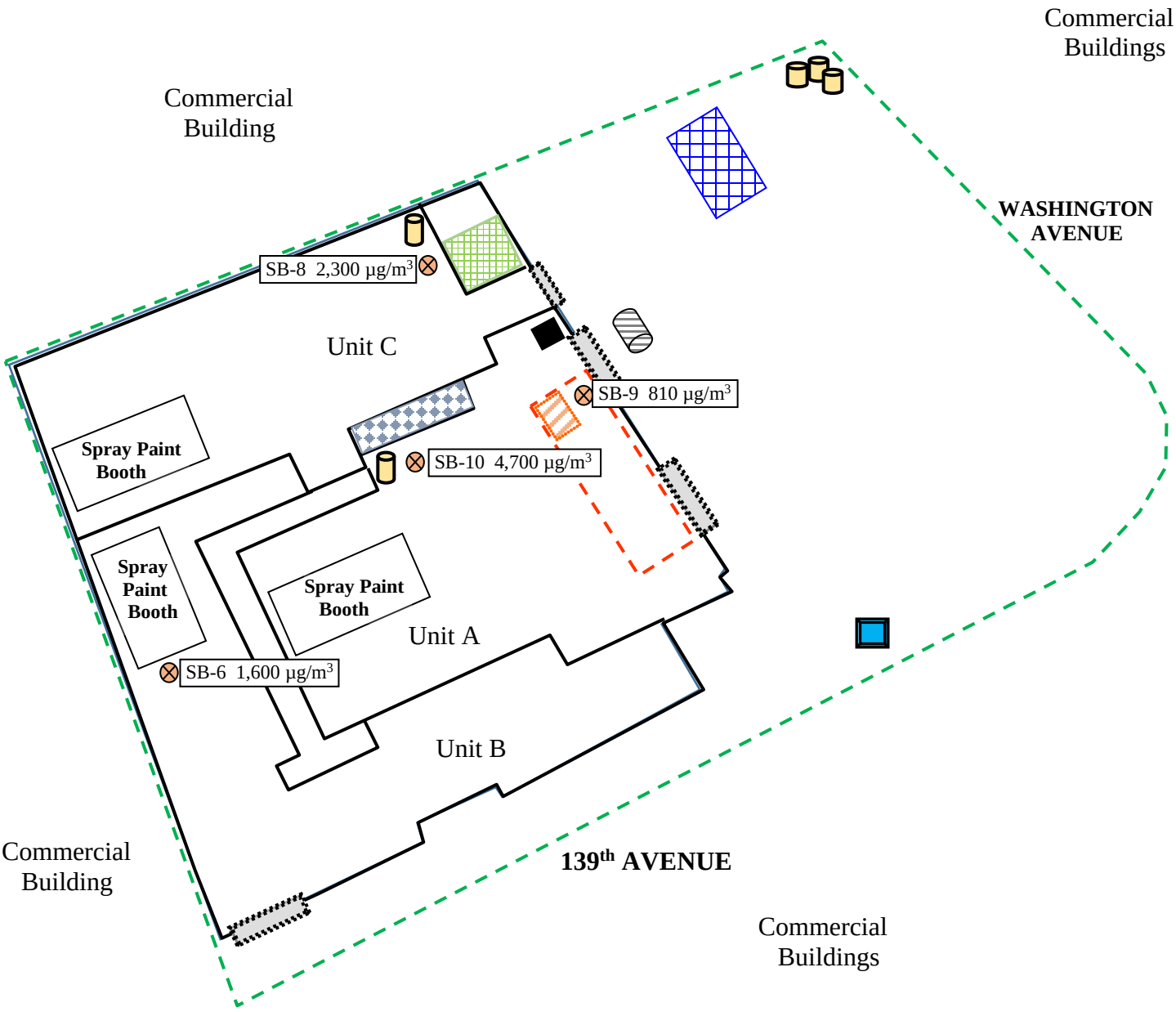
Legend

- Approximate Property Boundary
- Former Gasoline Underground Storage Tank
- Former Machine Shop Area
- Former Supply Room
- Former Store Room
- Auto Repair Area (exterior area)
- Sample Location (ERA 2016)
- Soil Sampling Location (ERA 2017)
- Soil Gas and Soil Sampling Location (ERA 2017)
- Soil and Groundwater Sampling Location (ERA 2017)
- Current Paint Mixing/Storage Room
- Hazardous Substances Containers
- Roll-Up Door
- Storm Drain

North

0 SCALE 60
feet (approximate)

ERA soil-water-vapor	**Site Plan with Sampling Locations**	PN: 01-2017-1500-001
		Date: June 12, 2017
	SOIL AND GROUNDWATER INVESTIGATION REPORT	EP: Lita Freeman
	295 139th Avenue, San Leandro, California 94578	**Figure 2**



Legend

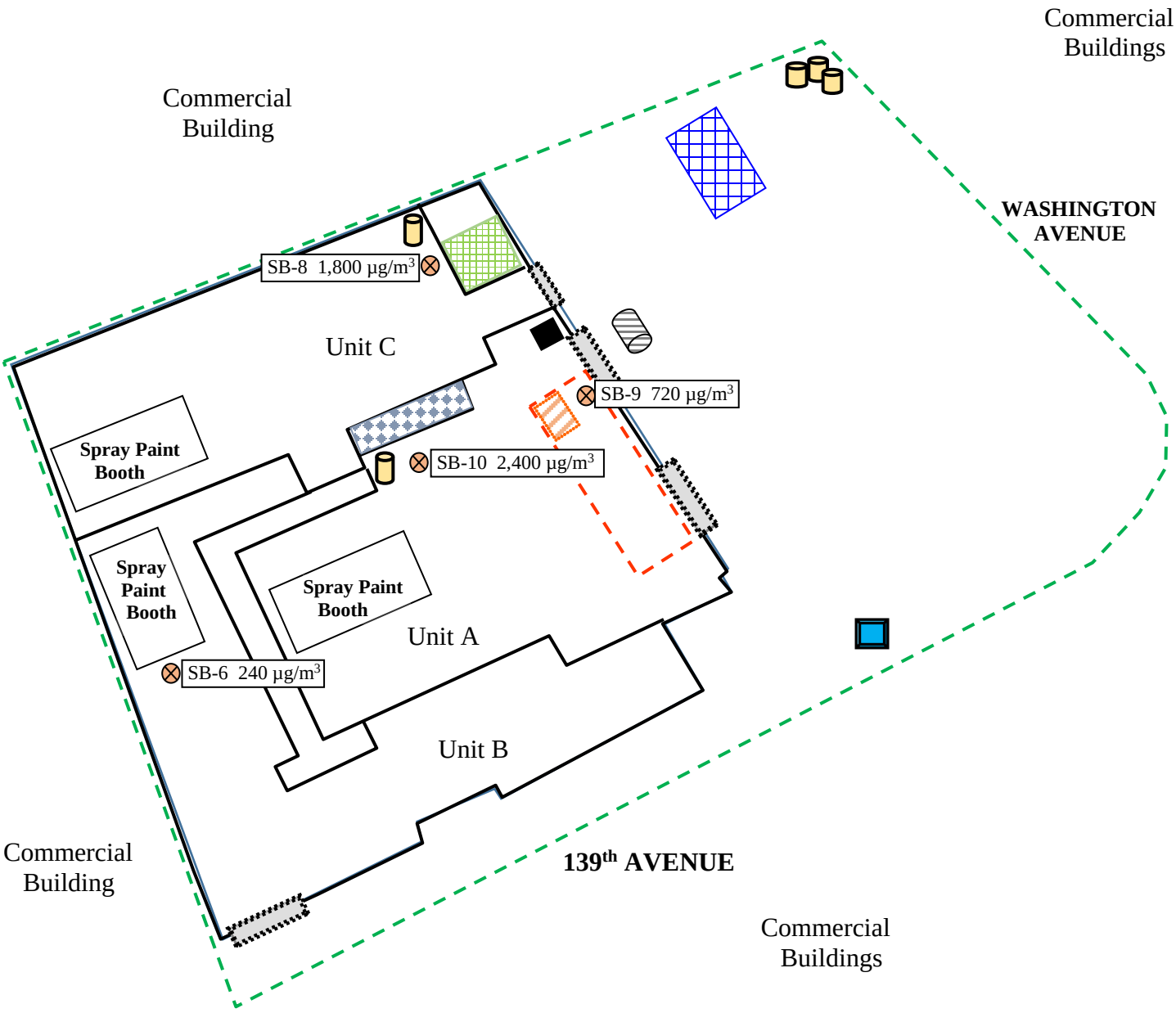
- Approximate Property Boundary
- Former Gasoline Underground Storage Tank
- Former Machine Shop Area
- Former Supply Room
- Former Store Room
- Auto Repair Area (exterior area)
- Sample Location (ERA 2016)
- Soil Sampling Location (ERA 2017)
- Soil Gas and Soil Sampling Location (ERA 2017)
- Soil and Groundwater Sampling Location (ERA 2017)
- Current Paint Mixing/Storage Room
- Hazardous Substances Containers
- Roll-Up Door
- Storm Drain

SB-6 1,600 µg/m3 Tetrachloroethene (PCE) in soil gas at 0.5 feet below top of floor slab; concentration in micrograms per cubic meter (µg/m3)

North

0 SCALE 60
feet (approximate)

ERA soil-water-vapor	**PCE Concentrations in Soil Gas at 0.5 feet**	PN: 01-2017-1500-001
		Date: June 12, 2017
	SOIL AND GROUNDWATER INVESTIGATION REPORT	EP: Lita Freeman
	295 139th Avenue, San Leandro, California 94578	**Figure 3**



Legend

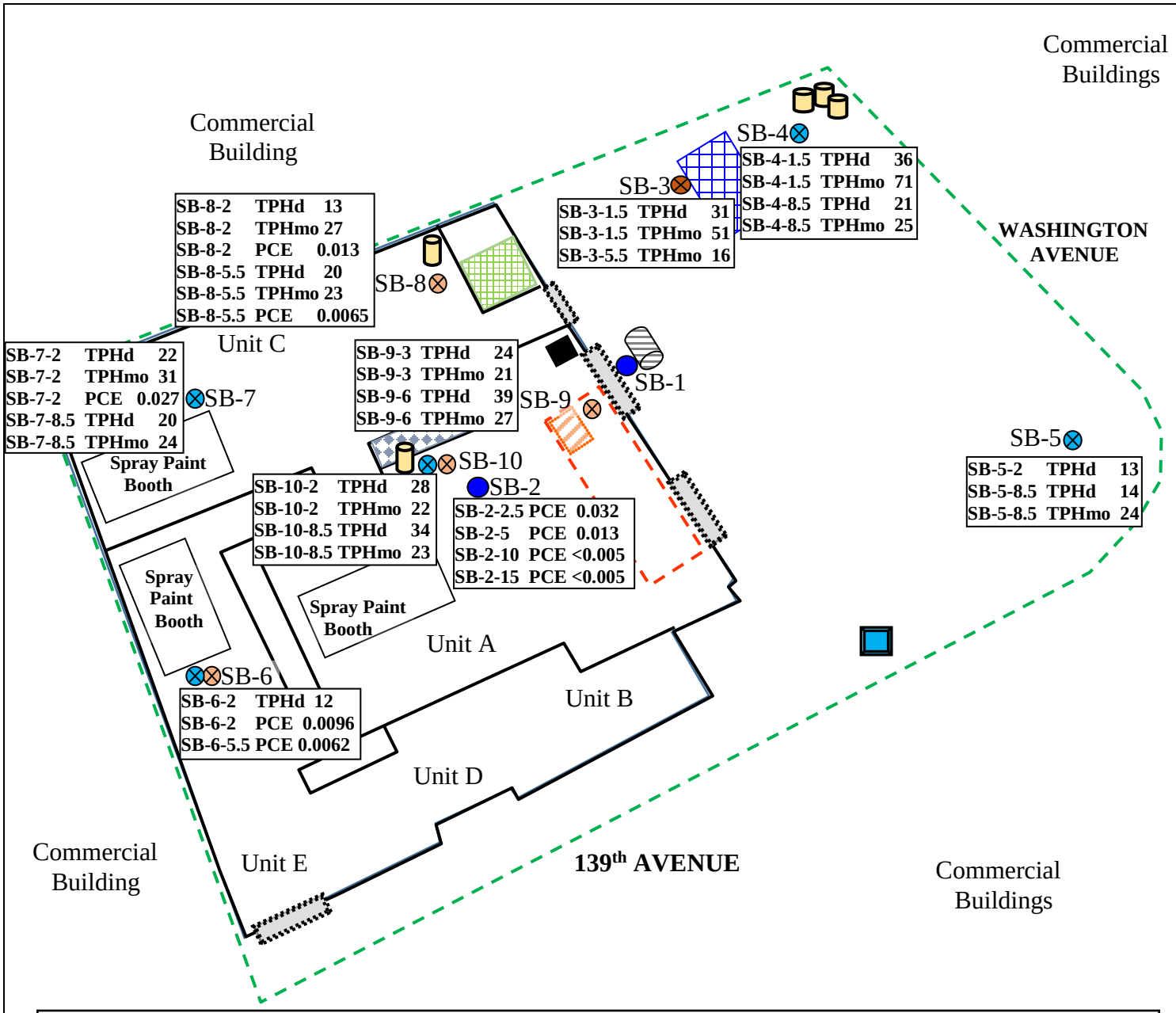
- Approximate Property Boundary
- Former Gasoline Underground Storage Tank
- Former Machine Shop Area
- Former Supply Room
- Former Store Room
- Auto Repair Area (exterior area)
- Sample Location (ERA 2016)
- Soil Sampling Location (ERA 2017)
- Soil Gas and Soil Sampling Location (ERA 2017)
- Soil and Groundwater Sampling Location (ERA 2017)
- Current Paint Mixing/Storage Room
- Hazardous Substances Containers
- Roll-Up Door
- Storm Drain

SB-6 240 µg/m^3 Tetrachloroethene (PCE) in soil gas at 5.5 feet below top of floor slab; concentration in micrograms per cubic meter (µg/m^3)

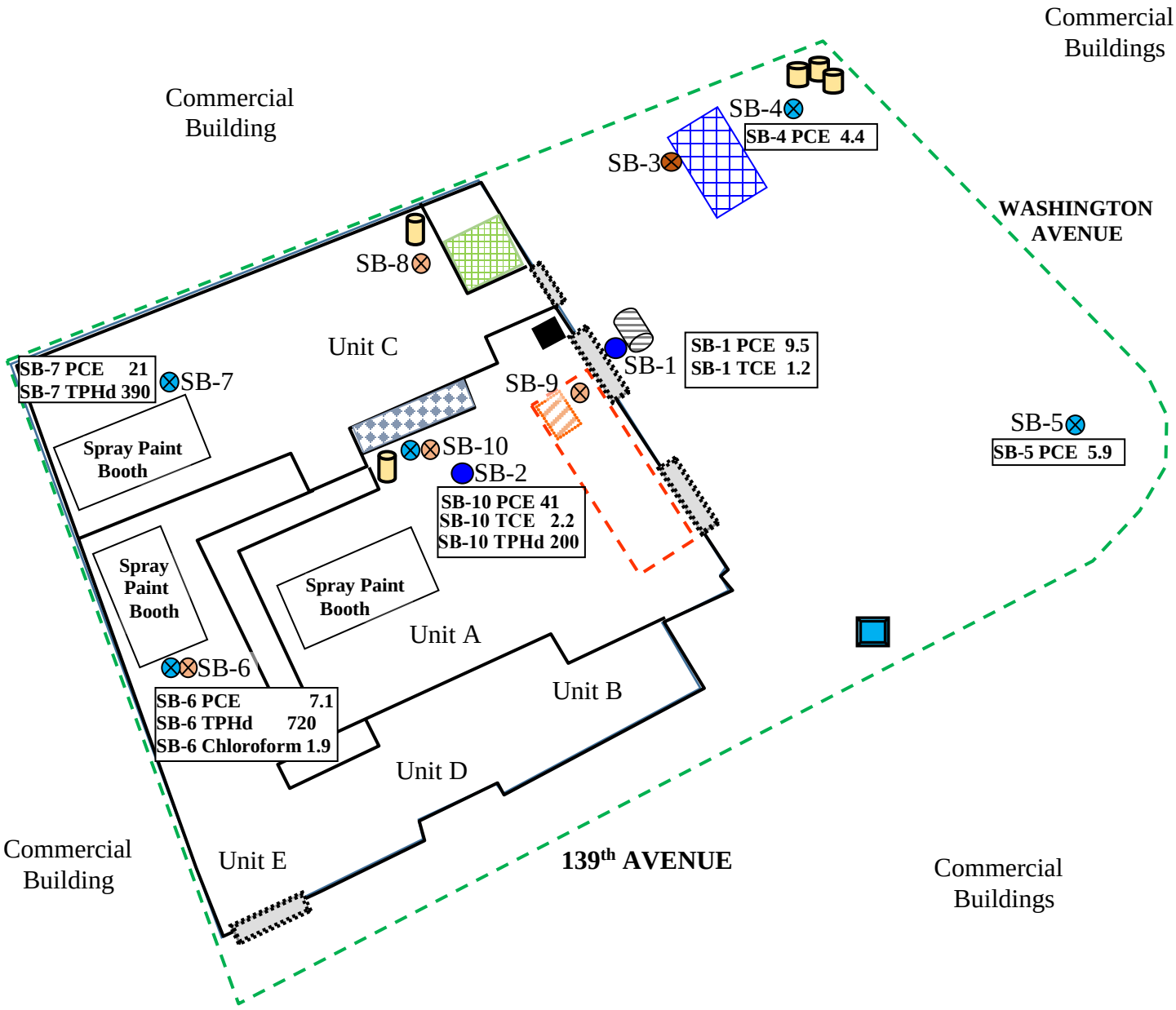
North

0 SCALE 60
feet (approximate)

	PCE Concentrations in Soil Gas at 5.5 feet	PN: 01-2017-1500-001
		Date: June 12, 2017
	SOIL AND GROUNDWATER INVESTIGATION REPORT	EP: Lita Freeman
	295 139th Avenue, San Leandro, California 94578	**Figure 4**



ERA soil-water-vapor	**Soil Data Summary**	PN: 01-2017-1500-001
		Date: June 12, 2017
	SOIL AND GROUNDWATER INVESTIGATION REPORT	EP: Lita Freeman
	295 139th Avenue, San Leandro, California 94578	**Figure 5**



Legend

- Approximate Property Boundary
- Former Gasoline Underground Storage Tank
- Former Machine Shop Area
- Former Supply Room
- Former Store Room
- Auto Repair Area (exterior area)
- Sample Location (ERA 2016)
- Soil Sampling Location (ERA 2017)
- Soil Gas and Soil Sampling Location (ERA 2017)
- Soil and Groundwater Sampling Location (ERA 2017)
- Current Paint Mixing/Storage Room
- Hazardous Substances Containers
- Roll-Up Door
- Storm Drain

SB-1 PCE 9.5 / Boring – Compound - Concentration in micrograms per liter (µg/L)
PCE = Tetrachloroethene
TCE = Trichloroethene
TPHd = Total Petroleum Hydrocarbons quantified as diesel

North

0 SCALE 60 feet (approximate)

ERA soil-water-vapor	**Groundwater Data Summary**	PN: 01-2017-1500-001
		Date: June 12, 2017
	SOIL AND GROUNDWATER INVESTIGATION REPORT	EP: Lita Freeman
	295 139th Avenue, San Leandro, California 94578	**Figure 6**

Appendix A

Alameda County Department of

Environmental Health (ACDEH) Letter

Dated April 11, 2017

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
REBECCA GEBHART, Interim Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
LOCAL OVERSIGHT PROGRAM (LOP)
For Hazardous Materials Releases
1131 HARBOR BAY PARKWAY, SUITE 250
ALAMEDA, CA 94502
(510) 567-6700
FAX (510) 337-9335

April 11, 2017

The LEMR Trust
Attention: Ms. Erin Tamer
P O Box 511
Alamo, CA 94507
(*Sent via E-mail to: erintamer@gmail.com*)

Subject: Conditional Approval of Soil and Groundwater Investigation Work Plan for Site Cleanup Case No. RO0003214 and GeoTracker Global ID T10000009956, 295 139th Avenue, San Leandro, CA 94578

To The LEMR Trust:

Alameda County Department of Environmental Health (ACEH) staff has reviewed the case file for the above referenced site including the most recent document *Soil and Groundwater Investigation Work Plan, 139th Avenue Property, 295 139th Avenue, San Leandro, CA,* dated February 8, 2017 (Work Plan). The Work Plan was prepared by Environmental Risk Assessors (ERA) on your behalf and presents a work plan to address the following objectives: assess the source(s) of the volatile organic compounds (VOCs) reported in soil and groundwater beneath the site; evaluate onsite locations for the potential presence of VOCs and petroleum hydrocarbons in soil and groundwater beneath the Site from past site activities; assess the potential presence of VOCs in soil gas beneath the onsite building; and assess the lateral extent and potential offsite sources of VOCs in groundwater.

TECHNICAL COMMENTS

Based on our review, the proposed scope of work in the February 8, 2017 Work Plan is acceptable, provided the following comments are incorporated and addressed during the field implementation:

1. **Section 5.2.3 Soil Gas Sampling**
   - Include Leak Detection Testing - Please perform leak testing at each proposed soil vapor sampling location in accordance with the protocols presented in Appendix C, California Department of Toxic Substances Control (DTSC) Advisory Active Soil Gas Investigation (DTSC Guidance), dated July 2015.

2. **Section 5.3 Analysis**
   - Addition of Fixed Gasses and Leak Detection Compound to the Constituents for Soil Vapor Analysis List – Please add oxygen, carbon dioxide, and methane by Modified ASTM Method D-1946 to monitor for biodegradation and natural attenuation indicator; and the leak detection compound which is used, to monitor potential leaks in the sampling train.

3. **General**
   - Perform an Inventory of Ventilation Sources Within the Onsite Building: To identify sources of ventilation within the onsite building, please include an inventory of ventilation sources, including the Heating, Ventilation and Air-Conditioning (HVAC) system operations.

SUBMITTAL ACKNOWLEDGEMENT STATEMENT

Please note that ACDEH has updated its Attachment 1 with regards to report submittals to ACDEH. ACDEH will now be requiring a Submittal Acknowledgement Statement, replacing the Perjury Statement, as a cover letter signed by the Responsible Party (RP). The language for the Submittal Acknowledgement Statement is as follows:

"I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the State Water Resources Control Board's GeoTracker website."

Note this change to your submittals to ACDEH.

TECHNICAL REPORT REQUEST

Please upload technical reports to the ACDEH ftp site (Attention: Kit Soo), and to the State Water Resources Control Board's Geotracker website, in accordance with the specified file naming convention below, according to the following schedule:

- **Within 30 days of approval** – Soil and groundwater investigation implementation
- **June 12, 2017** – Soil and Groundwater Investigation Report

  File to be named: RO03214 SWI_R_yyyy-mm-dd

If you have any questions, please call me at (510) 567-6791 or send me an electronic mail message at kit.soo@acgov.org Online case files are available for review at the following website: http://www.acgov.org/index.htm.

Sincerely,

Kit Soo Digitally signed by Kit Soo
DN: cn=Kit Soo, o=ACDEH, ou, email=Kit.Soo@acgov.org, c=US
Date: 2017.04.11 15:00:34 -07'00'

Kit Soo, PG 8957
Senior Hazardous Materials Specialist

Enclosures: Attachment 1 – Responsible Party (ies) Legal Requirements / Obligations
Electronic Report Upload (ftp) Instructions

cc: Lita D Freeman, ERA (Environmental Risk Assessors), 1420 East Roseville Parkway, Suite 140-262, Roseville, CA 95661 (*Sent via E-mail to: litafreeman@gmail.com*)

James Tamer (*Sent via E-mail to: jtamer2@gmail.com*)

Dilan Roe, ACDEH (*Sent via E-mail to: dilan.roe@acgov.org*)
Paresh Khatri, ACDEH (*Sent via E-mail to: paresh.khatri@acgov.org*)
Karel Detterman, ACDEH (*Sent via E-mail to: karel.detterman@acgov.org*)
Kit Soo, ACDEH, (*Sent via E-mail to: kit.soo@acgov.org*)
Electronic File, GeoTracker

Attachment 1

Responsible Party(ies) Legal Requirements / Obligations

REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

Alameda County Department of Environmental Health's (ACDEH) Environmental Cleanup Oversight Programs, Local Oversight Program (LOP) and Site Cleanup Program (SCP) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program File Transfer Protocol (FTP) site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to SCP sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website (http://www.waterboards.ca.gov/water_issues/programs/ust/electronic_submittal/) for more information on these requirements.

ACKNOWLEDGEMENT STATEMENT

All work plans, technical reports, or technical documents submitted to ACDEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's GeoTracker website." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6731, 6735, and 7835) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately licensed or certified professional. For your submittal to be considered a valid technical report, you are to present site-specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this case meet this requirement. Additional information is available on the Board of Professional Engineers, Land Surveyors, and Geologists website at: http://www.bpelsg.ca.gov/laws/index.shtml.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, late reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SCP)	**REVISION DATE:** December 1, 2016
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010, July 25, 2010; May 15, 2014, November 29, 2016
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SCP) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**.
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted**.
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:

  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

1) Obtain User Name and Password
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to deh.loptoxic@acgov.org.
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

2) Upload Files to the ftp Site
   a) Open File Explorer using the Windows  key + E keyboard shortcut.
      i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site as they are NOT being supported at this time.
   b) On the address bar, type in ftp://alcoftp1.acgov.org.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive)
   d) Click Log On.
   e) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   f) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to deh.loptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

Appendix B

Tables and Figures from

ERA's Limited Phase II ESA Report

TABLES

Table 2
Soil and Groundwater Samples Organics Analytical Summary
Body Repair Shops
295 139th Avenue
San Leandro, California 94578

On-Site Location/ Comments	Sample ID	Sample Depth (feet bgs)[1]	Matrix	Petroleum Hydrocarbons (Soil: mg/kg, GW:µg/L)		VOCs[2] (soil: mg/kg, GW: µg/L)	
Analytes				**TPHg[3]**	**TPHmo[3]**	**PCE**	**TCE**
ESL for Soil				100	100	0.42	0.46
Former UST	SB-1-8.5	1.0 - 1.5	Soil	<0.25	<5	<0.005	<0.005
Paint Mixing Area	SB-2-2.5	2.0 - 2.5	Soil	<0.25	<5	**0.032**	<0.005
Paint Mixing Area	SB-2-5	4.5 - 5	Soil	NA	NA	**0.013**	NA
Paint Mixing Area	SB-2-10	9.5 - 10	Soil	NA	NA	<0.005	NA
Paint Mixing Area	SB-2-15	14.5 - 15	Soil	NA	**NA**	<0.005	NA
ESL for Groundwater				100	100 [4]	3	5
Former UST	SB-1-W	NA	Ground-water	<50	<500	**9.5**	**1.2**

Notes:

UST = Underground Storage Tank

1. bgs = below ground surface

2. Volatile Organic Compound (VOCs) were analyzed using U.S. EPA Method 8260B.

3. TPHg, TPHmo = Total petroleum hydrocarbons (TPH) quantified as gasoline analyzed by U.S. EPA Method 8260; TPH quantified as motor oil were analyzed using U.S. EPA Method 8015B/C.

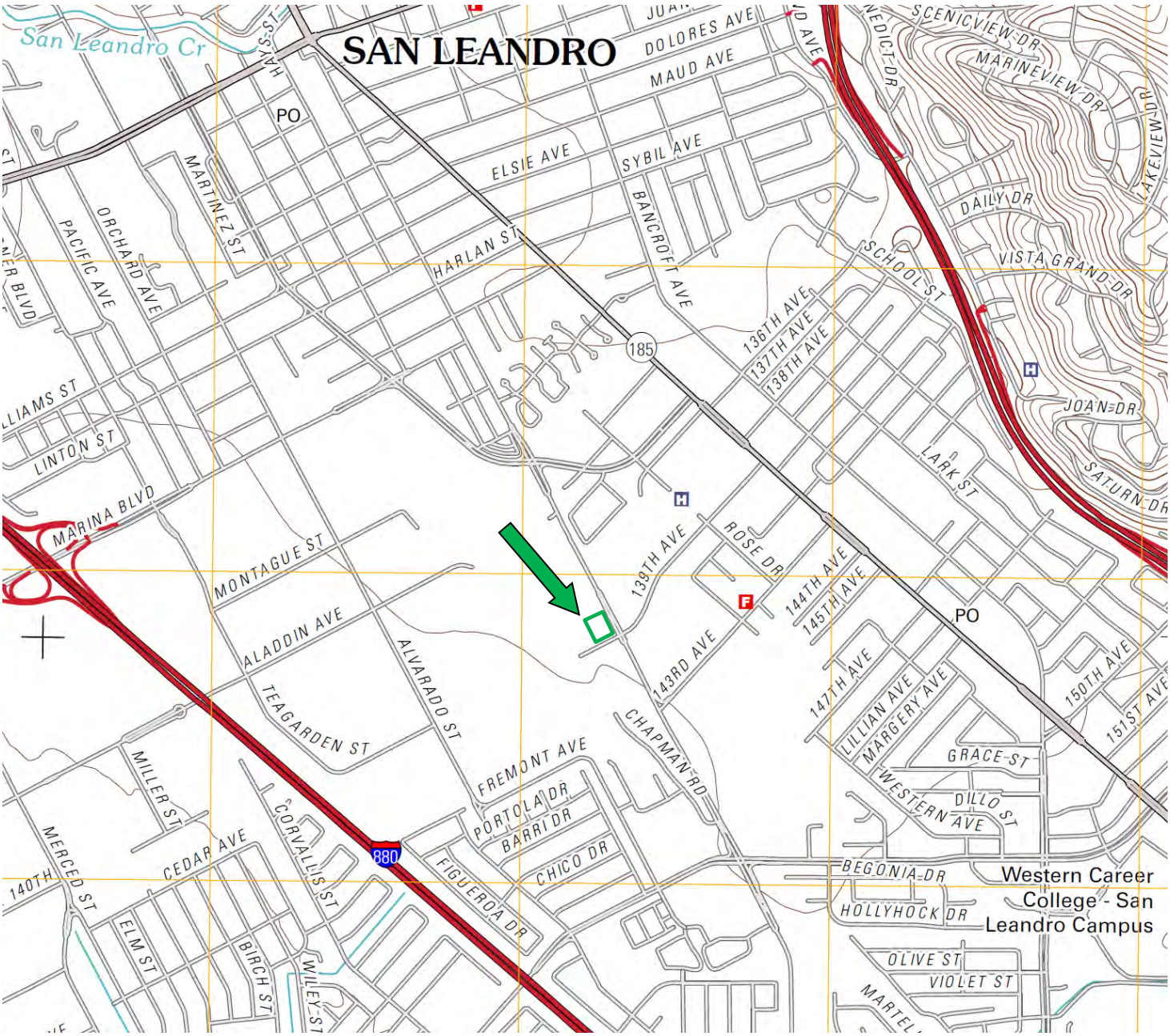
4. California Environmental Protection Agency, San Francisco Bay Regional Water Quality Control Board Tier 1 Environmental Screening Levels (SFBRWQCB, 2016), Note 2 states: TPH motor oil is not soluble. TPH motor oil detections in water most likely are petroleum degradates or less likely NAPL. If the detections are degradates, add TPH motor oil and TPH diesel results and compare to TPH diesel criterion. The noted ESL was established for TPH-d.

ESL = Environmental Screening Levels for soil and groundwater as established by the SFBRWQCB, Tier 1 ESLs, February 2016.

Units: mg/kg = milligrams per kilogram, µg/L = micrograms per liter

ND = Not detected
<10 = Not detected at stated concentration
Bold = Compound detected
Bold = Compound detected above ESL

FIGURES



Legend

Site (boundaries approximate)

Source: USGS San Leandro, CA Quadrangle Topographic Map, 2012

ERA soil-water-vapor	**Site Location Map**	PN: 01-2016-500-002
		Date: March 3, 2016
	LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT	EP: Lita Freeman
	295 139th Avenue, San Leandro, California 94578	**Figure 1**

Approximate Property Boundary

Sampling Location

Former Gasoline Underground Storage Tank

North

ERA soil-water-vapor	**Site Plan**	PN: 01-2016-500-002
		Date: March 3, 2016
	LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT	EP: Lita Freeman
	295 139th Avenue, San Leandro, California 94578	**Figure 2**

Appendix C

Site Photographs

Photographic Log
139th Avenue Property
295 139th Avenue
San Leandro, California 94578
ERA Project No. 01-2017-1500-001

Photograph: 1 **Description:** Photo depicts the south (left) and east (right) elevations of the on-site building with entrance to the parking lot in lower right of photo. View to the west-northwest from across 139th Avenue.	
Photograph: 2 **Description:** Photo depicts the south (right) and west (left) elevations of the on-site building with west adjoining property on left in photo. View to the north from across 139th Avenue.	

Photographs taken by L. Freeman on April 20, 24, 25, 2017

Photographic Log
139th Avenue Property
295 139th Avenue
San Leandro, California 94578
ERA Project No. 01-2017-1500-001

Photograph: 3 **Description:** Photo depicts the north elevation of the on-site building from north adjoining property. View to the southwest.	

Photograph: 4 **Description:** Photo depicts south elevation of the on-site building showing windows for the office space and roll-up door to service bay. Note that lower portion (at white arrow) of the windows can be opened for ventilation.	

Photographic Log
139th Avenue Property
295 139th Avenue
San Leandro, California 94578
ERA Project No. 01-2017-1500-001

Photograph: 5 **Description:** Photo depicts east elevation of the on-site building with operable window for the office space in Unit C (at white arrow) and roll-up doors to service bays in Unit C (closed door) and Unit A (open doors).	
Photograph: 6 **Description:** Photo depicts view across the Site from near the northeastern corner. Area of boring SB-4 near lower left corner of photo.	

Photographic Log
139th Avenue Property
295 139th Avenue
San Leandro, California 94578
ERA Project No. 01-2017-1500-001

Photograph: 7 **Description:** Photo depicts exterior view of typical ventilation fan on roof above Unit C.	

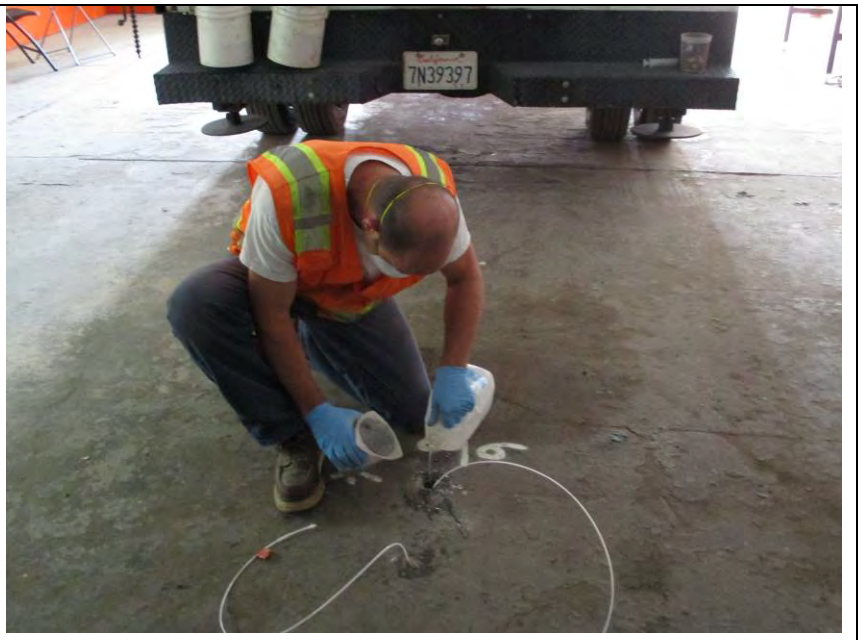
Photograph: 8 **Description:** Photo depicts interior view of typical roof-mounted ventilation fan in Unit E.	

Photographic Log
139th Avenue Property
295 139th Avenue
San Leandro, California 94578
ERA Project No. 01-2017-1500-001

Photograph: 9 **Description:** Photo depicts placement of soil gas probe using a roto-hammer at sampling location SB-8 in Unit C on April 20, 2017.	

Photograph: 10 **Description:** Photo depicts placement of soil gas probe using direct-push drilling rig at sampling location SB-6 in Unit E on April 20, 2017.	

Photographic Log
139th Avenue Property
295 139th Avenue
San Leandro, California 94578
ERA Project No. 01-2017-1500-001

Photograph: 11 **Description:** Photo depicts placement and hydration of bentonite pellets during construction of temporary soil gas well at sampling location SB-6 on April 20, 2017.	

Photograph: 12 **Description:** Photo depicts collection of soil gas sample on April 20, 2017 using a syringe at sampling location SB-8. Note shroud (gray plastic container) and towel sprayed with leak check compound (1,1-DFA) placed over temporary soil gas well.	

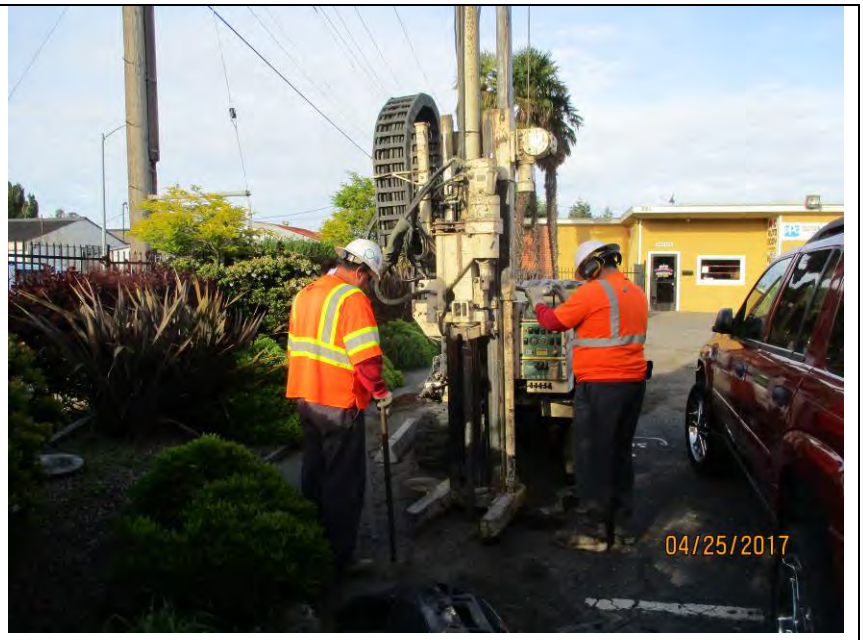
Photographic Log
139th Avenue Property
295 139th Avenue
San Leandro, California 94578
ERA Project No. 01-2017-1500-001

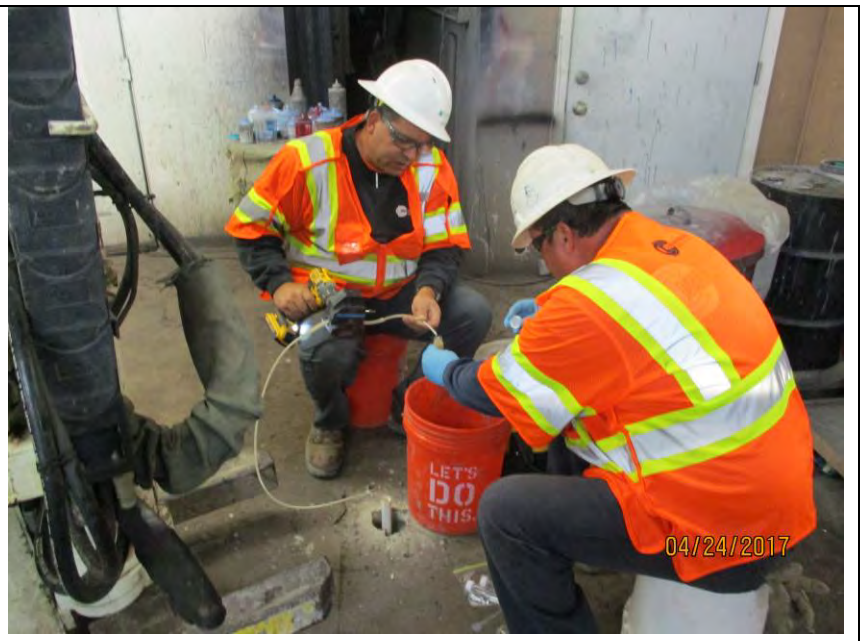
Photograph: 13 **Description:** Photo depicts drilling of boring SB-6 on April 24, 2017. Note spray paint booth in background.	
Photograph: 14 **Description:** Photo depicts drilling of boring SB-10 on April 24, 2017. Note spray paint booth on left in photo and paint mixing room in background.	

Photographic Log
139th Avenue Property
295 139th Avenue
San Leandro, California 94578
ERA Project No. 01-2017-1500-001

Photograph: 15 **Description:** Photo depicts location of boring SB-3 drilled on April 25, 2017.	
Photograph: 16 **Description:** Photo depicts drilling of boring SB-4 on April 25, 2017.	

Photographic Log
139th Avenue Property
295 139th Avenue
San Leandro, California 94578
ERA Project No. 01-2017-1500-001

Photograph: 17 **Description:** Photo depicts drilling of boring SB-5 on April 25, 2017.	

Photograph: 18 **Description:** Photo depicts groundwater sampling at boring SB-10 on April 24, 2017.	

Photographic Log
139th Avenue Property
295 139th Avenue
San Leandro, California 94578
ERA Project No. 01-2017-1500-001

Photograph: 19 **Description:** Photo depicts groundwater sampling at boring SB-4 on April 25, 2017.	

Photograph: 20 **Description:** Photo depicts backfilling of boring SB-10 on April 24, 2017.	

Photographic Log
139th Avenue Property
295 139th Avenue
San Leandro, California 94578
ERA Project No. 01-2017-1500-001

Photograph: 21 **Description:** Photo depicts mixing of cement for backfilling of borings drilled on April 25, 2017.	

Photograph: 22 **Description:** Photo depicts backfilling of boring SB-4 on April 25, 2017.	

Photographic Log
139th Avenue Property
295 139th Avenue
San Leandro, California 94578
ERA Project No. 01-2017-1500-001

Photograph: 23 **Description:** Photo depicts backfilling of boring SB-5 on April 25, 2017.	
Photograph: 24 **Description:** Photo depicts backfilled boring SB-10.	

Photographic Log
139th Avenue Property
295 139th Avenue
San Leandro, California 94578
ERA Project No. 01-2017-1500-001

Photograph: 25 **Description:** Photo depicts surface completion of backfilled boring SB-5.	

Photograph: 26 **Description:** Photo depicts drum of soil cuttings from drilling boreholes at the Site.	

Appendix D

Alameda County Public Works

Agency (ACPWA) Drilling Permit

Alameda County Public Works Agency - Water Resources Well Permit

Public Works Agency
Alameda County

399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 04/18/2017 By jamesy

Permit Numbers: W2017-0354
Permits Valid from 04/20/2017 to 04/20/2017

Application Id:	1492100117796	**City of Project Site:**	San Leandro
Site Location:	295 139th Avenue - northwest corner of intersection of 139th Avenue and Washington Avenue FOUR SOIL GAS PROBES INSIDE BUILDING ON 4/20/17		
Project Start Date:	04/20/2017	**Completion Date:**	04/20/2017
Assigned Inspector:	Contact Marcelino Vialpando at (510) 670-5760 or Marcelino@acpwa.org		
Applicant:	Environmental Risk Assessors - Lita Freeman 1420 E Roseville Pkwy, #140-262, Roseville, CA 95661	**Phone:**	916-677-9897
Property Owner:	Erin Tamer, Trustee The LEMR Trust PO Box 511 / 27 Mott Drive, Alamo, CA 94507	**Phone:**	925-683-9779
Client:	** same as Property Owner **		
Contact:	Lita Freeman	**Phone:** **Cell:**	-- 916-677-9897

	Total Due:	$265.00
Receipt Number: WR2017-0189	**Total Amount Paid:**	$265.00
Payer Name : Environmental Risk Assessor/Lita D Freeman	Paid By: VISA	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 8 Boreholes
Driller: Cascade Drilling, L.P. - Lic #: 938110 - Method: DP **Work Total: $265.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2017-0354	04/18/2017	07/19/2017	8	2.00 in.	38.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

6. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

7. NOTE:
Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

8. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

9. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

Appendix E

Boring Logs

PROJECT: 295 139th Avenue, San Leandro, California

Log of Boring SB-3

Boring location: See Figure 2

Date started: 4/25/17 | Date finished: 4/25/17

Drilling method: Direct Push - 7720DT

Hammer weight/drop: NA | Hammer type: NA

Sampler: Arturo-Cascade/Lita-ERA

Logged by: Lita Freeman

LABORATORY TEST DATA

DEPTH (feet)	SAMPLES: PID (ppmv)	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: NM feet[2]						
						Asphalt and Baserock - surface to 5 inches Silty						
1	0.0	☒				Clay (CH), Black (N 2.5), high plasticity, stiff, dry						
2	0.0	☒										
3	0.0	☒										
4						- color change to Dark Brown (7.5 YR 3/2) at 4 feet						
5	0.0	☒										
6												
7	0.0	☒										
8						Bottom of Boring = 8 feet						
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												

Boring terminated at a depth of 8 feet below ground surface.
Boring backfilled with cement grout.
Free groundwater not encountered during drilling.

Environmental Risk Assessors

Project No.: 01-2017-1500-001

Figure: C-1

PROJECT: 295 139th Avenue, San Leandro, California

Log of Boring SB-4

Boring location: See Figure 2

Logged by: Lita Freeman

Date started: 4/25/17 | Date finished: 4/25/17

Drilling method: Direct Push - 7720DT

Hammer weight/drop: NA | Hammer type: NA

Sampler: Arturo-Cascade/Lita-ERA

LABORATORY TEST DATA

DEPTH (feet)	SAMPLES: PID (ppmv)	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: NM feet[2]						
						Asphalt and Baserock - surface to 5 inches Silty						
1	0.0	☒				Clay (CH), Black (N 2.5), high plasticity, stiff, dry						
2	0.0	☒										
3												
4						- color change to Dark Brown (7.5 YR 3/2) at 4 feet						
5	0.0	☒										
6												
7												
8	0.0	☒										
9												
10						- color change to Yellow Brown (10 YR 5/8) at 9.5 feet						
11												
12						- some very fine-grained sand at 12 feet						
13						Sandy Clay (CH/CL), Yellow Brown (10 YR 5/8), moderate plasticity, stiff, very fine-grained sand, saturated						
14												
15	0.0	☒				Silty Clay (CH), Yellow Brown (10 YR 5/8), high plasticity, stiff, moist						
16												
17												
18												
19												
20	0.0	☒				Bottom of Boring = 20 feet						
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												

Boring terminated at a depth of 20 feet below ground surface.

Boring backfilled with cement grout.

Free groundwater encountered at 13 feet bgs during drilling.

Environmental Risk Assessors

Project No.: 01-2017-1500-001

Figure: C-2

PROJECT: 295 139th Avenue, San Leandro, California

Log of Boring SB-5

Boring location: See Figure 2

Logged by: Lita Freeman

Date started: 4/25/17 | Date finished: 4/25/17

Drilling method: Direct Push - 7720DT

Hammer weight/drop: NA | Hammer type: NA

Sampler: Arturo-Cascade/Lita-ERA

LABORATORY TEST DATA

DEPTH (feet)	SAMPLES: PID (ppmv)	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: NM feet[2]						
						Asphalt and Baserock - surface to 5 inches Silty						
1	0.0	☒				Clay (CH), Black (N 2.5), high plasticity, stiff, dry						
2		☒										
3												
4						- color change to Dark Brown (7.5 YR 3/2) at 4.5 feet						
5	0.0	☒										
6												
7												
8	0.0	☒				-some well-graded sandy gravel at 7.5 to 8 feet, fine-grained to coarse-grained angular to subangular gravel, coarse-grained sand						
9						- color change to Yellow Brown (10 YR 5/8) at 9 feet						
10												
11												
12						- some very fine-grained sand at 12.5 feet						
13												
14	0.0	☒				Sandy Clay (CH/CL), Yellow Brown (10 YR 5/8), moderate plasticity, stiff, very fine-grained sand, saturated						
15												
16						Silty Clay (CH), Yellow Brown (10 YR 5/8), high plasticity, stiff, moist						
17												
18												
19												
20	0.0	☒				Bottom of Boring = 20 feet						
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												

Boring terminated at a depth of 20 feet below ground surface.

Boring backfilled with cement grout.

Free groundwater encountered at 13.5 feet bgs during drilling.

Environmental Risk Assessors

Project No.: 01-2017-1500-001

Figure: C-3

PROJECT: 295 139th Avenue, San Leandro, California

Log of Boring SB-6

Boring location: See Figure 2

Logged by: Lita Freeman

Date started: 4/24/17 | Date finished: 4/24/17

Drilling method: Direct Push - 7720DT

Hammer weight/drop: NA | Hammer type: NA

Sampler: Arturo-Cascade/Lita-ERA

DEPTH (feet)	SAMPLES: PID (ppmv)	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION (Ground Surface Elevation: NM feet[2])	LABORATORY TEST DATA: Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Concrete - 4 inches; Baserock - 6 inches						
1	0.0	☒				Silty Clay (CH), Black (N 2.5), high plasticity, stiff, dry						
2												
3												
4												
5	0.0	☒										
6						- color change to Dark Brown (7.5 YR 3/2) at 6 feet						
7												
8	0.0	☒				- color change to Yellow Brown (10 YR 5/8) at 11 feet						
9												
10												
11												
12												
13												
14												
15	0.0	☒				Clayey Sand (SC), Yellow Brown (10 YR 5/8), fine-grained sand, medium dense, slightly moist						
16						Silty Clay (CH), Yellow Brown (10 YR 5/8), high plasticity, stiff, moist						
17												
18												
19												
20						Bottom of Boring = 20 feet						
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												

Boring terminated at a depth of 20 feet below ground surface.

Boring backfilled with cement grout.

Free groundwater encountered at 18 feet bgs during drilling.

Environmental Risk Assessors

Project No.: 01-2017-1500-001

Figure: C-4

PROJECT: 295 139th Avenue, San Leandro, California

Log of Boring SB-7

Boring location: See Figure 2

Date started: 4/24/17 | Date finished: 4/24/17

Drilling method: Direct Push - 7720DT

Hammer weight/drop: NA | Hammer type: NA

Sampler: Arturo-Cascade/Lita-ERA

Logged by: Lita Freeman

LABORATORY TEST DATA

DEPTH (feet)	SAMPLES: PID (ppmv)	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION (Ground Surface Elevation: NM feet[2])	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Concrete - 4 inches; Baserock - 6 inches						
1						Silty Clay (CH), Black (N 2.5), high plasticity, stiff, dry						
2	0.0	☒										
3												
4												
5	0.0	☒				- color change to Dark Brown (7.5 YR 3/2) at 5 feet						
6												
7												
8	0.0	☒				- color change to Light Brown (7.5 YR 6/4) at 8.5 feet						
9												
10												
11						- color change to Yellow Brown (10 YR 5/8) at 12 feet						
12												
13												
14						Clayey Sand (SC), Yellow Brown (10 YR 5/8), fine-grained sand, medium dense, moist						
15	0.1	☒										
16						Silty Clay (CH), Yellow Brown (10 YR 5/8), high plasticity, stiff, moist						
17												
18												
19												
20						Bottom of Boring = 20 feet						
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												

Boring terminated at a depth of 20 feet below ground surface.

Boring backfilled with cement grout.

Free groundwater encountered at 18 feet bgs during drilling.

Environmental Risk Assessors

Project No.: 01-2017-1500-001

Figure: C-5

PROJECT: 295 139th Avenue, San Leandro, California

Log of Boring SB-8

Boring location: See Figure 2

Logged by: Lita Freeman

Date started: 4/24/17 | Date finished: 4/24/17

Drilling method: Direct Push - 7720DT

Hammer weight/drop: NA | Hammer type: NA

Sampler: Arturo-Cascade/Lita-ERA

DEPTH (feet)	SAMPLES: PID (ppmv)	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION (Ground Surface Elevation: NM feet[2])
						Concrete - 4 inches; Baserock - 6 inches
1		☒				
2	0.0	☒				Silty Clay (CH), Black (N 2.5), high plasticity, stiff, dry
3		☒				
4						
5	0.0	☒				- color change to Dark Brown (7.5 YR 3/2) at 5.5 feet
6						
7	0.0	☒				
8						Bottom of Boring = 8 feet
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

LABORATORY TEST DATA

Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft

Boring terminated at a depth of 8 feet below ground surface.
Boring backfilled with cement grout.
Free groundwater not encountered during drilling.

Environmental Risk Assessors

Project No.: 01-2017-1500-001

Figure: C-6

PROJECT: 295 139th Avenue, San Leandro, California

Log of Boring SB-9

Boring location: See Figure 2

Date started: 4/24/17 Date finished: 4/24/17

Drilling method: Direct Push - 7720DT

Hammer weight/drop: NA Hammer type: NA

Sampler: Arturo-Cascade/Lita-ERA

Logged by: Lita Freeman

LABORATORY TEST DATA

DEPTH (feet)	SAMPLES: PID (ppmv)	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: NM feet[2]						
						Concrete - 4 inches; Baserock - 6 inches						
1												
2						Silty Clay (CH), Black (N 2.5), high plasticity, stiff, dry						
3	0.0	☒										
4												
5												
6	0.0	☒				- color change to Dark Brown (7.5 YR 3/2) at 6 feet						
7												
8						Bottom of Boring = 8 feet						
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												

Boring terminated at a depth of 8 feet below ground surface.
Boring backfilled with cement grout.
Free groundwater not encountered during drilling.

Environmental Risk Assessors

Project No.: 01-2017-1500-001

Figure: C-7

PROJECT: 295 139th Avenue, San Leandro, California

Log of Boring SB-10

Boring location: See Figure 2

Logged by: Lita Freeman

Date started: 4/24/17 | Date finished: 4/24/17

Drilling method: Direct Push - 7720DT

Hammer weight/drop: NA | Hammer type: NA

Sampler: Arturo-Cascade/Lita-ERA

LABORATORY TEST DATA

DEPTH (feet)	SAMPLES: PID (ppmv)	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
						Ground Surface Elevation: NM feet[2]						
1						Concrete - 4 inches; Baserock - 6 inches						
2	0.0	☒				Silty Clay (CH), Black (N 2.5), high plasticity, stiff, dry						
3												
4												
5	0.0	☒										
6												
7												
8	0.0	☒										
9						- color change to Light Brown (7.5 YR 6/4) at 9 feet						
10												
11												
12						- color change to Yellow Brown (10 YR 5/8) at 12 feet						
13												
14												
15	0.0	☒				Clayey Sand (SC), Yellow Brown (10 YR 5/8), fine-grained sand, medium dense, slightly moist						
16						Silty Clay (CH), Yellow Brown (10 YR 5/8), high plasticity, stiff, slightly moist						
17												
18												
19												
20	0.0	☒										
21												
22												
23												
24												
25												
26												
27												
28												
29												
30	0.0	☒										

Boring terminated at a depth of 38 feet below ground surface.

Boring backfilled with cement grout.

Free groundwater encountered during drilling at 38 feet bgs.

Environmental Risk Assessors

Project No.: 01-2017-1500-001

Figure: C-8

PROJECT: 295 139th Avenue, San Leandro, California

Log of Boring SB-10

Boring location: See Figure 2

Date started: 4/24/17 Date finished: 4/24/17

Drilling method: Direct Push

Hammer weight/drop: NA Hammer type: NA

Sampler: Arturo - Cascade/Lita Freeman-ERA

Logged by: Lita Freeman

LABORATORY TEST DATA

DEPTH (feet)	SAMPLES: PID (ppmv)	SAMPLES: Sample	SAMPLES: Blows/ 6"	SAMPLES: SPT N-Value[1]	LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
31–60						Ground Surface Elevation: NM feet[2] moist at 38 feet Bottom of Boring = 40 feet						

Boring terminated at a depth of 38 feet below ground surface.
Boring backfilled with cement grout.
Free groundwater encountered during drilling at 38 feet bgs.

Environmental Risk Assessors

Project No.: 01-2017-1500-001

Figure: C-8

Appendix F

TEG-Northern California Report

5 May 2017

Ms. Lita Freeman
Environmental Risk Assessors
1420 East Roseville Parkway # 140-262
Roseville, CA 95661

SUBJECT: DATA REPORT - Environmental Risk Assessors Project # 01-2017-1500-001
The LEMR Trust / 295 139th Avenue, San Leandro, California

TEG Project # 70420F

Ms. Freeman:

Please find enclosed a data report for the samples analyzed from the above referenced project for Environmental Risk Assessors. The samples were analyzed on site in TEG's mobile laboratory. TEG conducted a total of 14 analyses on 9 soil vapor samples.

-- 9 analyses on soil vapors for volatile organic hydrocarbons by EPA method 8260B.

-- 5 analyses on soil vapors for methane, oxygen, and carbon dioxide by GC/TCD.

The results of the analyses are summarized in the enclosed tables. Applicable detection limits and calibration data are included in the tables.

TEG appreciates the opportunity to have provided analytical services to Environmental Risk Assessors on this project. If you have any further questions relating to these data or report, please do not hesitate to contact us.

Sincerely,

Mark Jerpbak
Director, TEG-Northern California

teg

Environmental Risk Assessors
Project # 01-2017-1500-001
The LEMR Trust
295 139th Avenue
San Leandro, California

TEG Project #70420F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		Probe Blank	SB-6-0.5	SB-6--5.5	SB-6--5.5 dup	SB-8-0.5
SAMPLE DEPTH (feet):			0.5	5.5	5.5	0.5
PURGE VOLUME:			3	3	3	3
COLLECTION DATE:		4/20/17	4/20/17	4/20/17	4/20/17	4/20/17
COLLECTION TIME:		8:45	13:13	13:37	13:37	12:17
DILUTION FACTOR:		1	1	1	1	1
	RL					
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd
Vinyl Chloride	100	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd
Carbon Tetrachloride	100	nd	nd	nd	nd	nd
1,2-Dichloroethane	100	nd	nd	nd	nd	nd
Benzene	80	nd	nd	nd	nd	nd
Trichloroethene	100	nd	nd	nd	nd	nd
Toluene	200	nd	nd	nd	nd	270
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd
Tetrachloroethene	100	nd	1600	240	200	2600
Ethylbenzene	100	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		96%	101%	95%	94%	97%
Surrogate Recovery (1,2-DCA-d4)		94%	107%	102%	101%	101%
Surrogate Recovery (Toluene-d8)		96%	101%	96%	95%	96%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Ms. Lorena Williams

11350 Monier Park Place, Rancho Cordova, CA 95742 • Phone (916) 853-8010 • Fax (916) 853-8020

teg

Environmental Risk Assessors
Project # 01-2017-1500-001
The LEMR Trust
295 139th Avenue
San Leandro, California

TEG Project #70420F

EPA Method 8260B VOC Analyses of SOIL VAPOR in micrograms per cubic meter of Vapor

SAMPLE NUMBER:		SB-8-5.5	SB-9-0.5	SB-9-5.5	SB-10-0.5	SB-10-5.5
SAMPLE DEPTH (feet):		5.5	0.5	5.5	0.5	5.5
PURGE VOLUME:		3	3	3	3	3
COLLECTION DATE:		4/20/17	4/20/17	4/20/17	4/20/17	4/20/17
COLLECTION TIME:		12:47	10:46	11:07	11:29	11:51
DILUTION FACTOR:		1	1	1	1	1
	RL					
Dichlorodifluoromethane	100	nd	nd	nd	nd	nd
Vinyl Chloride	100	nd	nd	nd	nd	nd
Chloroethane	100	nd	nd	nd	nd	nd
Trichlorofluoromethane	100	nd	nd	nd	nd	nd
1,1-Dichloroethene	100	nd	nd	nd	nd	nd
1,1,2-Trichloro-trifluoroethane	100	nd	nd	nd	nd	nd
Methylene Chloride	100	nd	nd	nd	nd	nd
trans-1,2-Dichloroethene	100	nd	nd	nd	nd	nd
1,1-Dichloroethane	100	nd	nd	nd	nd	nd
cis-1,2-Dichloroethene	100	nd	nd	nd	nd	nd
Chloroform	100	nd	nd	nd	nd	nd
1,1,1-Trichloroethane	100	nd	nd	nd	nd	nd
Carbon Tetrachloride	100	nd	nd	nd	nd	nd
1,2-Dichloroethane	100	nd	nd	nd	nd	nd
Benzene	80	nd	nd	nd	nd	nd
Trichloroethene	100	nd	nd	nd	nd	nd
Toluene	200	nd	nd	nd	1300	nd
1,1,2-Trichloroethane	100	nd	nd	nd	nd	nd
Tetrachloroethene	100	1800	810	720	4700	2400
Ethylbenzene	100	nd	nd	nd	nd	nd
1,1,1,2-Tetrachloroethane	100	nd	nd	nd	nd	nd
m,p-Xylene	200	nd	nd	nd	nd	nd
o-Xylene	100	nd	nd	nd	nd	nd
1,1,2,2-Tetrachloroethane	100	nd	nd	nd	nd	nd
1,1 Difluoroethane (leak check)	10000	nd	nd	nd	nd	nd
Surrogate Recovery (DBFM)		94%	94%	98%	94%	96%
Surrogate Recovery (1,2-DCA-d4)		101%	97%	98%	95%	97%
Surrogate Recovery (Toluene-d8)		95%	96%	99%	95%	97%

'RL' Indicates reporting limit at a dilution factor of 1
'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Ms. Lorena Williams

11350 Monier Park Place. Rancho Cordova. CA 95742 • Phone (916) 853-8010 • Fax (916) 853-8020

TEG Project #70420F

CALIBRATION DATA - Daily Calibration Check Compounds (GC/MS)

	Vinyl Chloride	1,1 DCE	Chloroform	1,2 DCP	Toluene	Ethylbenzene
Midpoint	10.0	10.0	10.0	10.0	10.0	10.0
Continuing Calibration - Midpoint						
4/20/17	8.5	9.9	10.2	11.3	10.9	11.8
	85%	99%	102%	113%	109%	118%

teg

Environmental Risk Assessors
Project # 01-2017-1500-001
The LEMR Trust
295 139th Avenue
San Leandro, California

TEG Project #70420F

Analyses of SOIL VAPOR
Methane in ppmV; and Carbon Dioxide and Oxygen in percent by Volume

SAMPLE NUMBER	SAMPLE DEPTH (feet)	PURGE VOLUME	COLLECTION DATE	COLLECTION TIME	Methane ppmV	Carbon Dioxide %	Oxygen %
Syringe Blank			4/20/17	8:46	nd	nd	21
SB-9-5.5	5.5	3	4/20/17	11:07	nd	nd	21
SB-10-5.5	5.5	3	4/20/17	11:51	nd	nd	19
SB-8-5.5	5.5	3	4/20/17	12:47	nd	nd	21
SB-6-5.5	5.5	3	4/20/17	13:37	nd	nd	21
SB-6-5.5 dup	5.5	3	4/20/17	13:37	nd	nd	21
				Reporting Limit:	1000	1.0	1.0

'nd' Indicates not detected at listed reporting limits

Analyses performed in TEG-Northern California's lab
Analyses performed by: Ms. Lorena Williams

11350 Monier Park Place, Rancho Cordova, CA 95742 • Phone (916) 853-8010 • Fax (916) 853-8020

Appendix G

SunStar Analytical Report and
Chain-of-Custody Documentation

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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

28 April 2017

Lita Freeman
The LEMR Trust
PO Box 511
Alamo, CA 94507

RE: 139th Avenue Property

Enclosed are the results of analyses for samples received by the laboratory on 04/25/17 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rose Fasheh

Rose Fasheh
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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

The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-10-2	T171042-01	Soil	04/24/17 08:35	04/25/17 16:00
SB-10-8.5	T171042-03	Soil	04/24/17 08:45	04/25/17 16:00
SB-10-GW	T171042-07	Water	04/24/17 09:45	04/25/17 16:00
SB-9-3	T171042-08	Soil	04/24/17 10:15	04/25/17 16:00
SB-9-6	T171042-09	Soil	04/24/17 10:20	04/25/17 16:00
SB-7-2	T171042-10	Soil	04/24/17 11:00	04/25/17 16:00
SB-7-8.5	T171042-12	Soil	04/24/17 11:10	04/25/17 16:00
SB-8-2	T171042-14	Soil	04/24/17 11:40	04/25/17 16:00
SB-8-5.5	T171042-15	Soil	04/24/17 11:45	04/25/17 16:00

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

DETECTIONS SUMMARY

Sample ID: SB-10-2 **Laboratory ID:** T171042-01

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**28**	10	mg/kg	EPA 8015B	
C29-C40 (MORO)	**22**	10	mg/kg	EPA 8015B	

Sample ID: SB-10-8.5 **Laboratory ID:** T171042-03

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**34**	10	mg/kg	EPA 8015B	
C29-C40 (MORO)	**23**	10	mg/kg	EPA 8015B	

Sample ID: SB-10-GW **Laboratory ID:** T171042-07

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**0.20**	0.050	mg/l	EPA 8015B	
Tetrachloroethene	**41**	1.2	ug/l	EPA 8260B	
Trichloroethene	**2.2**	1.2	ug/l	EPA 8260B	

Sample ID: SB-9-3 **Laboratory ID:** T171042-08

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**24**	10	mg/kg	EPA 8015B	
C29-C40 (MORO)	**21**	10	mg/kg	EPA 8015B	

Sample ID: SB-9-6 **Laboratory ID:** T171042-09

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**39**	10	mg/kg	EPA 8015B	
C29-C40 (MORO)	**27**	10	mg/kg	EPA 8015B	

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Rose Fasheh, Project Manager

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

Sample ID: SB-7-2 **Laboratory ID:** T171042-10

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**22**	10	mg/kg	EPA 8015B	
C29-C40 (MORO)	**31**	10	mg/kg	EPA 8015B	
Tetrachloroethene	**27**	5.0	ug/kg	EPA 8260B	

Sample ID: SB-7-8.5 **Laboratory ID:** T171042-12

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**20**	10	mg/kg	EPA 8015B	
C29-C40 (MORO)	**24**	10	mg/kg	EPA 8015B	

Sample ID: SB-8-2 **Laboratory ID:** T171042-14

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**13**	10	mg/kg	EPA 8015B	
C29-C40 (MORO)	**27**	10	mg/kg	EPA 8015B	
Tetrachloroethene	**13**	5.0	ug/kg	EPA 8260B	

Sample ID: SB-8-5.5 **Laboratory ID:** T171042-15

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**20**	10	mg/kg	EPA 8015B	
C29-C40 (MORO)	**23**	10	mg/kg	EPA 8015B	
Tetrachloroethene	**6.5**	5.0	ug/kg	EPA 8260B	

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Rose Fasheh, Project Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

SB-10-2

T171042-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**28**	10	mg/kg	1	7042619	04/26/17	04/28/17	EPA 8015B	
C29-C40 (MORO)	**22**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*113 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042620	04/26/17	04/27/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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Rose Fasheh, Project Manager

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Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

SB-10-2

T171042-01 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,2-Dichloroethene	ND	5.0	ug/kg	1	7042620	04/26/17	04/27/17	EPA 8260B	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	

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Rose Fasheh, Project Manager

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PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

SB-10-2

T171042-01 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C12 (GRO)	ND	500	ug/kg	1	7042620	04/26/17	04/27/17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*107 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*116 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*110 %*	*85.5-116*		"	"	"	"	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

SB-10-8.5

T171042-03 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**34**	10	mg/kg	1	7042619	04/26/17	04/27/17	EPA 8015B	
C29-C40 (MORO)	**23**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*115 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042620	04/26/17	04/27/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

SB-10-8.5

T171042-03 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.0	ug/kg	1	7042620	04/26/17	04/27/17	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	

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Rose Fasheh, Project Manager

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

SB-10-8.5

T171042-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: 4-Bromofluorobenzene		*109 %*	*81.2-123*		*7042620*	*04/26/17*	*04/27/17*	*EPA 8260B*	
Surrogate: Dibromofluoromethane		*116 %*	*95.7-135*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*109 %*	*85.5-116*		*"*	*"*	*"*	*"*	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

SB-10-GW

T171042-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**0.20**	0.050	mg/l	1	7042624	04/26/17	04/26/17	EPA 8015B	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*96.0 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.2	ug/l	1	7042626	04/26/17	04/26/17	EPA 8260B	
Bromochloromethane	ND	1.2	"	"	"	"	"	"	
Bromodichloromethane	ND	1.2	"	"	"	"	"	"	
Bromoform	ND	1.2	"	"	"	"	"	"	
Bromomethane	ND	1.2	"	"	"	"	"	"	
n-Butylbenzene	ND	1.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.62	"	"	"	"	"	"	
Chlorobenzene	ND	1.2	"	"	"	"	"	"	
Chloroethane	ND	1.2	"	"	"	"	"	"	
Chloroform	ND	1.2	"	"	"	"	"	"	
Chloromethane	ND	1.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.2	"	"	"	"	"	"	
Dibromochloromethane	ND	1.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	6.2	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.2	"	"	"	"	"	"	
Dibromomethane	ND	1.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.2	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.62	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.62	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.2	"	"	"	"	"	"	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

SB-10-GW

T171042-07 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,2-Dichloroethene	ND	1.2	ug/l	1	7042626	04/26/17	04/26/17	EPA 8260B	
1,2-Dichloropropane	ND	1.2	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.2	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.2	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.2	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.62	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.62	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.2	"	"	"	"	"	"	
Isopropylbenzene	ND	1.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.2	"	"	"	"	"	"	
Methylene chloride	ND	1.2	"	"	"	"	"	"	
Naphthalene	ND	1.2	"	"	"	"	"	"	
n-Propylbenzene	ND	1.2	"	"	"	"	"	"	
Styrene	ND	1.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.2	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.2	"	"	"	"	"	"	
Tetrachloroethene	**41**	1.2	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.2	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.2	"	"	"	"	"	"	
Trichloroethene	**2.2**	1.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.2	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.2	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.2	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.2	"	"	"	"	"	"	
Vinyl chloride	ND	1.2	"	"	"	"	"	"	
Benzene	ND	0.62	"	"	"	"	"	"	
Toluene	ND	0.62	"	"	"	"	"	"	
Ethylbenzene	ND	0.62	"	"	"	"	"	"	
m,p-Xylene	ND	1.2	"	"	"	"	"	"	
o-Xylene	ND	0.62	"	"	"	"	"	"	

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SB-10-GW

T171042-07 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C12 (GRO)	ND	62	ug/l	1	7042626	04/26/17	04/26/17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*92.1 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*117 %*	*81-136*		"	"	"	"	
Surrogate: Toluene-d8		*98.9 %*	*88.8-117*		"	"	"	"	

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SB-9-3

T171042-08 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**24**	10	mg/kg	1	7042619	04/26/17	04/27/17	EPA 8015B	
C29-C40 (MORO)	**21**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*113 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042620	04/26/17	04/27/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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SB-9-3

T171042-08 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.0	ug/kg	1	7042620	04/26/17	04/27/17	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	

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SB-9-3

T171042-08 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: 4-Bromofluorobenzene		*106 %*	*81.2-123*		*7042620*	*04/26/17*	*04/27/17*	*EPA 8260B*	
Surrogate: Dibromofluoromethane		*118 %*	*95.7-135*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*110 %*	*85.5-116*		*"*	*"*	*"*	*"*	

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SB-9-6

T171042-09 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**39**	10	mg/kg	1	7042619	04/26/17	04/27/17	EPA 8015B	
C29-C40 (MORO)	**27**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*114 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042620	04/26/17	04/26/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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SB-9-6

T171042-09 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.0	ug/kg	1	7042620	04/26/17	04/26/17	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	

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SB-9-6

T171042-09 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 4-Bromofluorobenzene	*106 %*		*81.2-123*		*7042620*	*04/26/17*	*04/26/17*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*123 %*		*95.7-135*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8	*107 %*		*85.5-116*		*"*	*"*	*"*	*"*	

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SB-7-2

T171042-10 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**22**	10	mg/kg	1	7042619	04/26/17	04/27/17	EPA 8015B	
C29-C40 (MORO)	**31**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*115 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042620	04/26/17	04/26/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

SB-7-2

T171042-10 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.0	ug/kg	1	7042620	04/26/17	04/26/17	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	**27**	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	

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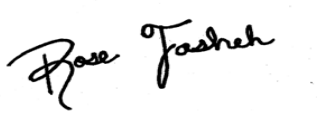

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SB-7-2

T171042-10 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 4-Bromofluorobenzene	*102 %*		*81.2-123*		*7042620*	*04/26/17*	*04/26/17*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*126 %*		*95.7-135*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8	*107 %*		*85.5-116*		*"*	*"*	*"*	*"*	

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T171042-12 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**20**	10	mg/kg	1	7042619	04/26/17	04/27/17	EPA 8015B	
C29-C40 (MORO)	**24**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*112 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042620	04/26/17	04/26/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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T171042-12 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.0	ug/kg	1	7042620	04/26/17	04/26/17	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	

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SB-7-8.5

T171042-12 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 4-Bromofluorobenzene	*106 %*	*81.2-123*		*7042620*	*04/26/17*	*04/26/17*	*EPA 8260B*		
Surrogate: Dibromofluoromethane	*137 %*	*95.7-135*		*"*	*"*	*"*	*"*		*S-GC*
Surrogate: Toluene-d8	*101 %*	*85.5-116*		*"*	*"*	*"*	*"*		

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T171042-14 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**13**	10	mg/kg	1	7042619	04/26/17	04/27/17	EPA 8015B	
C29-C40 (MORO)	**27**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*101 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042620	04/26/17	04/26/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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SB-8-2

T171042-14 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.0	ug/kg	1	7042620	04/26/17	04/26/17	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	**13**	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	

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SB-8-2

T171042-14 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 4-Bromofluorobenzene	*103 %*		*81.2-123*		*7042620*	*04/26/17*	*04/26/17*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*126 %*		*95.7-135*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8	*103 %*		*85.5-116*		*"*	*"*	*"*	*"*	

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Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

SB-8-5.5

T171042-15 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**20**	10	mg/kg	1	7042619	04/26/17	04/27/17	EPA 8015B	
C29-C40 (MORO)	**23**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*107 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042620	04/26/17	04/26/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

SB-8-5.5

T171042-15 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.0	ug/kg	1	7042620	04/26/17	04/26/17	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	**6.5**	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	

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SB-8-5.5

T171042-15 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 4-Bromofluorobenzene	*102 %*		*81.2-123*		*7042620*	*04/26/17*	*04/26/17*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*127 %*		*95.7-135*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8	*103 %*		*85.5-116*		*"*	*"*	*"*	*"*	

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Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7042619 - EPA 3550B GC										
Blank (7042619-BLK1)				Prepared: 04/26/17 Analyzed: 04/27/17						
C13-C28 (DRO)	ND	10	mg/kg							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	*113*		*"*	*100*		*113*	*65-135*			
LCS (7042619-BS1)				Prepared: 04/26/17 Analyzed: 04/27/17						
C13-C28 (DRO)	550	10	mg/kg	500		109	75-125			
Surrogate: p-Terphenyl	*111*		*"*	*100*		*111*	*65-135*			
Matrix Spike (7042619-MS1)	**Source: T171040-01**			Prepared: 04/26/17 Analyzed: 04/27/17						
C13-C28 (DRO)	550	10	mg/kg	495	ND	110	75-125			
Surrogate: p-Terphenyl	*112*		*"*	*99.0*		*113*	*65-135*			
Matrix Spike Dup (7042619-MSD1)	**Source: T171040-01**			Prepared: 04/26/17 Analyzed: 04/27/17						
C13-C28 (DRO)	530	10	mg/kg	500	ND	107	75-125	2.08	20	
Surrogate: p-Terphenyl	*105*		*"*	*100*		*105*	*65-135*			
Batch 7042624 - EPA 3510C GC										
Blank (7042624-BLK1)				Prepared & Analyzed: 04/26/17						
C6-C12 (GRO)	ND	0.050	mg/l							
C13-C28 (DRO)	ND	0.050	"							
C29-C40 (MORO)	ND	0.10	"							
Surrogate: p-Terphenyl	*3.16*		*"*	*4.00*		*78.9*	*65-135*			
LCS (7042624-BS1)				Prepared & Analyzed: 04/26/17						
C13-C28 (DRO)	21.4	0.050	mg/l	20.0		107	75-125			
Surrogate: p-Terphenyl	*3.64*		*"*	*4.00*		*91.0*	*65-135*			

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Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7042624 - EPA 3510C GC										
LCS Dup (7042624-BSD1)				Prepared & Analyzed: 04/26/17						
C13-C28 (DRO)	21.6	0.050	mg/l	20.0		108	75-125	0.724	20	
Surrogate: p-Terphenyl	*3.73*		*"*	*4.00*		*93.3*	*65-135*			

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Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7042620 - EPA 5030 GCMS										
Blank (7042620-BLK1)				Prepared & Analyzed: 04/26/17						
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							
4-Chlorotoluene	ND	5.0	"							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	10	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7042620 - EPA 5030 GCMS										
Blank (7042620-BLK1)				Prepared & Analyzed: 04/26/17						
p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	10	"							
o-Xylene	ND	5.0	"							
C6-C12 (GRO)	ND	500	"							
Surrogate: 4-Bromofluorobenzene	*41.0*		*"*	*39.7*		*103*	*81.2-123*			
Surrogate: Dibromofluoromethane	*48.7*		*"*	*39.7*		*123*	*95.7-135*			
Surrogate: Toluene-d8	*41.6*		*"*	*39.7*		*105*	*85.5-116*			

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Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7042620 - EPA 5030 GCMS										
LCS (7042620-BS1)				Prepared & Analyzed: 04/26/17						
Chlorobenzene	109	5.0	ug/kg	99.0		110	75-125			
1,1-Dichloroethene	99.0	5.0	"	99.0		99.9	75-125			
Trichloroethene	98.0	5.0	"	99.0		99.0	75-125			
Benzene	104	5.0	"	99.0		105	75-125			
Toluene	102	5.0	"	99.0		103	75-125			
Surrogate: 4-Bromofluorobenzene	*42.9*		*"*	*39.6*		*108*	*81.2-123*			
Surrogate: Dibromofluoromethane	*57.8*		*"*	*39.6*		*146*	*95.7-135*			*S-GC*
Surrogate: Toluene-d8	*39.2*		*"*	*39.6*		*98.9*	*85.5-116*			
LCS Dup (7042620-BSD1)				Prepared & Analyzed: 04/26/17						
Chlorobenzene	109	5.0	ug/kg	99.0		110	75-125	0.0456	20	
1,1-Dichloroethene	95.7	5.0	"	99.0		96.6	75-125	3.36	20	
Trichloroethene	100	5.0	"	99.0		101	75-125	2.00	20	
Benzene	101	5.0	"	99.0		102	75-125	3.13	20	
Toluene	106	5.0	"	99.0		108	75-125	3.94	20	
Surrogate: 4-Bromofluorobenzene	*44.8*		*"*	*39.6*		*113*	*81.2-123*			
Surrogate: Dibromofluoromethane	*49.7*		*"*	*39.6*		*126*	*95.7-135*			
Surrogate: Toluene-d8	*40.6*		*"*	*39.6*		*103*	*85.5-116*			
Batch 7042626 - EPA 5030 GCMS										
Blank (7042626-BLK1)				Prepared & Analyzed: 04/26/17						
Bromobenzene	ND	1.2	ug/l							
Bromochloromethane	ND	1.2	"							
Bromodichloromethane	ND	1.2	"							
Bromoform	ND	1.2	"							
Bromomethane	ND	1.2	"							
n-Butylbenzene	ND	1.2	"							
sec-Butylbenzene	ND	1.2	"							
tert-Butylbenzene	ND	1.2	"							
Carbon tetrachloride	ND	0.62	"							
Chlorobenzene	ND	1.2	"							
Chloroethane	ND	1.2	"							
Chloroform	ND	1.2	"							
Chloromethane	ND	1.2	"							
2-Chlorotoluene	ND	1.2	"							

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Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7042626 - EPA 5030 GCMS										
Blank (7042626-BLK1)				Prepared & Analyzed: 04/26/17						
4-Chlorotoluene	ND	1.2	ug/l							
Dibromochloromethane	ND	1.2	"							
1,2-Dibromo-3-chloropropane	ND	6.2	"							
1,2-Dibromoethane (EDB)	ND	1.2	"							
Dibromomethane	ND	1.2	"							
1,2-Dichlorobenzene	ND	1.2	"							
1,3-Dichlorobenzene	ND	1.2	"							
1,4-Dichlorobenzene	ND	1.2	"							
Dichlorodifluoromethane	ND	0.62	"							
1,1-Dichloroethane	ND	1.2	"							
1,2-Dichloroethane	ND	0.62	"							
1,1-Dichloroethene	ND	1.2	"							
cis-1,2-Dichloroethene	ND	1.2	"							
trans-1,2-Dichloroethene	ND	1.2	"							
1,2-Dichloropropane	ND	1.2	"							
1,3-Dichloropropane	ND	1.2	"							
2,2-Dichloropropane	ND	1.2	"							
1,1-Dichloropropene	ND	1.2	"							
cis-1,3-Dichloropropene	ND	0.62	"							
trans-1,3-Dichloropropene	ND	0.62	"							
Hexachlorobutadiene	ND	1.2	"							
Isopropylbenzene	ND	1.2	"							
p-Isopropyltoluene	ND	1.2	"							
Methylene chloride	ND	1.2	"							
Naphthalene	ND	1.2	"							
n-Propylbenzene	ND	1.2	"							
Styrene	ND	1.2	"							
1,1,2,2-Tetrachloroethane	ND	1.2	"							
1,1,1,2-Tetrachloroethane	ND	1.2	"							
Tetrachloroethene	ND	1.2	"							
1,2,3-Trichlorobenzene	ND	1.2	"							
1,2,4-Trichlorobenzene	ND	1.2	"							
1,1,2-Trichloroethane	ND	1.2	"							
1,1,1-Trichloroethane	ND	1.2	"							
Trichloroethene	ND	1.2	"							
Trichlorofluoromethane	ND	1.2	"							

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Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7042626 - EPA 5030 GCMS										
Blank (7042626-BLK1)				Prepared & Analyzed: 04/26/17						
1,2,3-Trichloropropane	ND	1.2	ug/l							
1,3,5-Trimethylbenzene	ND	1.2	"							
1,2,4-Trimethylbenzene	ND	1.2	"							
Vinyl chloride	ND	1.2	"							
Benzene	ND	0.62	"							
Toluene	ND	0.62	"							
Ethylbenzene	ND	0.62	"							
m,p-Xylene	ND	1.2	"							
o-Xylene	ND	0.62	"							
C6-C12 (GRO)	ND	62	"							
Surrogate: 4-Bromofluorobenzene	*9.14*		*"*	*10.0*		*91.4*	*83.5-119*			
Surrogate: Dibromofluoromethane	*10.3*		*"*	*10.0*		*103*	*81-136*			
Surrogate: Toluene-d8	*9.52*		*"*	*10.0*		*95.2*	*88.8-117*			
LCS (7042626-BS1)				Prepared & Analyzed: 04/26/17						
Chlorobenzene	25.1	1.2	ug/l	25.0		100	75-125			
1,1-Dichloroethene	28.8	1.2	"	25.0		115	75-125			
Trichloroethene	26.7	1.2	"	25.0		107	75-125			
Benzene	27.0	0.62	"	25.0		108	75-125			
Toluene	25.9	0.62	"	25.0		103	75-125			
Surrogate: 4-Bromofluorobenzene	*10.8*		*"*	*10.0*		*108*	*83.5-119*			
Surrogate: Dibromofluoromethane	*10.4*		*"*	*10.0*		*104*	*81-136*			
Surrogate: Toluene-d8	*9.98*		*"*	*10.0*		*99.8*	*88.8-117*			
LCS Dup (7042626-BSD1)				Prepared & Analyzed: 04/26/17						
Chlorobenzene	24.1	1.2	ug/l	25.0		96.5	75-125	3.81	20	
1,1-Dichloroethene	27.6	1.2	"	25.0		111	75-125	4.29	20	
Trichloroethene	23.6	1.2	"	25.0		94.6	75-125	12.3	20	
Benzene	25.8	0.62	"	25.0		103	75-125	4.45	20	
Toluene	23.5	0.62	"	25.0		93.9	75-125	9.68	20	
Surrogate: 4-Bromofluorobenzene	*9.66*		*"*	*10.0*		*96.6*	*83.5-119*			
Surrogate: Dibromofluoromethane	*10.1*		*"*	*10.0*		*101*	*81-136*			
Surrogate: Toluene-d8	*9.70*		*"*	*10.0*		*97.0*	*88.8-117*			

SunStar Laboratories, Inc.

Rose Fasheh, Project Manager

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

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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

The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	04/28/17 14:57

Notes and Definitions

S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

SunStar Laboratories, Inc.

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: The LEMR Trust
Address: PO Box 511, Alamo, CA 94507
Phone: 925-784-4226 Fax:
Project Manager: Lita Freeman Environmental Risk Assessor 5916677987

Date: 4/24/17 Page: 1 Of 2
Project Name: 139th Avenue Property
Collector: Lita Freeman Client Project #:
Batch #: 7171042 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 + TPHg	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel) + motor oil	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	Hold			Laboratory ID #	Comments/Preservative	Total # of containers
SB-10-2	4-24-17	0835	Soil	tube	X						X							01		1
SB-10-5.5	4-24-17	0840	Soil	tube											X			02		1
SB-10-8.5	4-24-17	0845	Soil	tube	X						X							03		1
SB-10-15	4-24-17	0850	Soil	tube											X			04		1
SB-10-20	4-24-17	0855	Soil	tube											X			05		1
SB-10-30	4-24-17	0900	Soil	tube											X			06		1
SB-10-GW	4-24-17	0945	groundwater	6 VOAs	X						X							07		6
SB-9-3	4-24-17	1015	Soil	tube	X						X							08		1
SB-9-6	4-24-17	1020	Soil	tube	X						X							09		1
SB-7-2	4-24-17	1100	Soil	tube	X						X							10		1
SB-7-5.5	4-24-17	1105	Soil	tube											X			11		1
SB-7-8.5	4-24-17	1110	Soil	tube	X						X							12		1
SB-7-15	4-24-17	1115	Soil	tube											X			13		1
SB-8-2	4-24-17	1140	Soil	tube	X						X							14		1
SB-8-5.5	4-24-17	1145	Soil	tube	X						X							15		1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Lita Freeman	4/24/17 1230	[signature]	4/24/17 1230
GSO	4-25-17 16:00	[signature]	4-25-17 16:00

Total # of containers: 20
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold: 4.1

Turn around time: STD.

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

COC 160254

SunStar Laboratories, Inc.

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: The LEMR Trust
Address: PO Box 511, Alamo, CA 94507
Phone: 925 784-4226 Fax:
Project Manager: Lita Freeman-Environmental Risk Assessor 3916677897

Date: 4/24/17 Page: 2 Of 2
Project Name: 139th Avenue Property
Collector: Lita Freeman Client Project #:
Batch #: 711042 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 + TPHg	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel), +motor oil	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	X Hold			Laboratory ID #	Comments/Preservative	Total # of containers
SB-B-8	4-24-17	1145	Soil	tube											X			16		1

Relinquished by: (signature) Lita Freeman Date / Time 4/24/17 1230
Received by: (signature) Ed Stevens Date / Time 4/24/17 1230
Relinquished by: (signature) GSO 4-25-17 16:00 Date / Time
Received by: (signature) 4-25-17 16:00 Date / Time
Relinquished by: (signature) Date / Time
Received by: (signature) Date / Time

Total # of containers 1
Chain of Custody seals (Y)/N/NA
Seals intact? (Y)/N/NA
Received good condition/cold 4.1

Turn around time: STD.

Notes

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 160253

SunStar Laboratories — Celebrating 20 Years!

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: 7171042

Client Name: ENV. RISK ASSESSORS

Project: 139TH AVENUE PROPERTY

Delivered by: ☐ Client ☐ SunStar Courier ☒ GSO ☐ FedEx ☐ Other

If Courier, Received by: _____

Date/Time Courier Received: _____

Lab Received by: SUNNY

Date/Time Lab Received: 4.25.17 / 16:00

Total number of coolers received: 1

Temperature:	Cooler #1 4.8	°C +/- the CF (- 0.2°C) = 4.1		°C corrected temperature
Temperature:	Cooler #2	°C +/- the CF (- 0.2°C) =		°C corrected temperature
Temperature:	Cooler #3	°C +/- the CF (- 0.2°C) =		°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria?	☒ **Yes**	☐ **No**
If NO:				
Samples received on ice?		☐ Yes	☐ **No → Complete Non-Conformance Sheet**	
If on ice, samples received same day collected?		☐ Yes → Acceptable	☐ **No → Complete Non-Conformance Sheet**	

Custody seals intact on cooler/sample	☒ Yes	☐ No*	☐ N/A
Sample containers intact	☒ Yes	☐ No*	
Sample labels match Chain of Custody IDs	☒ Yes	☐ No*	
Total number of containers received match COC	☒ Yes	☐ No*	
Proper containers received for analyses requested on COC	☒ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested	☒ Yes	☐ No*	☐ N/A
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times	☒ **Yes**	☐ **No***	

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date: BL 4.25.17

Comments:

(949) 297-5020 ■ www.sunstarlabs.com ■ 25712 Commercentre Drive ■ Lake Forest, CA 92630

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T171042

Client: **The LEMR Trust** **Project Manager:** **Rose Fasheh**
Project: **139th Avenue Property** **Project Number:** **[none]**

Report To:
The LEMR Trust
Lita Freeman
PO Box 511
Alamo, CA 94507

Date Due: 04/28/17 17:00 (3 day TAT)
Received By: Sunny Lounethone Date Received: 04/25/17 16:00
Logged In By: Sunny Lounethone Date Logged In: 04/25/17 16:55

Samples Received at: **4.1°C**
Custody Seals Yes Received On Ice Yes
Containers Intact Yes
COC/Labels Agree Yes
Preservation Confir Yes

Analysis	Due	TAT	Expires	Comments
T171042-01 SB-10-2 [Soil] Sampled 04/24/17 08:35 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	04/28/17 15:00	3	05/08/17 08:35	
8260	04/28/17 15:00	3	05/08/17 08:35	+ GRO
T171042-02 SB-10-5.5 [Soil] Sampled 04/24/17 08:40 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171042-03 SB-10-8.5 [Soil] Sampled 04/24/17 08:45 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	04/28/17 15:00	3	05/08/17 08:45	
8260	04/28/17 15:00	3	05/08/17 08:45	+ GRO
T171042-04 SB-10-15 [Soil] Sampled 04/24/17 08:50 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171042-05 SB-10-20 [Soil] Sampled 04/24/17 08:55 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171042-06 SB-10-30 [Soil] Sampled 04/24/17 09:00 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T171042

Client: The LEMR Trust
Project: 139th Avenue Property
Project Manager: Rose Fasheh
Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T171042-07 SB-10-GW [Water] Sampled 04/24/17 09:45 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain - low level	04/28/17 15:00	3	05/01/17 09:45	D/MO only
8260	04/28/17 15:00	3	05/08/17 09:45	+ GRO
T171042-08 SB-9-3 [Soil] Sampled 04/24/17 10:15 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	04/28/17 15:00	3	05/08/17 10:15	
8260	04/28/17 15:00	3	05/08/17 10:15	+ GRO
T171042-09 SB-9-6 [Soil] Sampled 04/24/17 10:20 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	04/28/17 15:00	3	05/08/17 10:20	
8260	04/28/17 15:00	3	05/08/17 10:20	+ GRO
T171042-10 SB-7-2 [Soil] Sampled 04/24/17 11:00 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	04/28/17 15:00	3	05/08/17 11:00	
8260	04/28/17 15:00	3	05/08/17 11:00	+ GRO
T171042-11 SB-7-5.5 [Soil] Sampled 04/24/17 11:05 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171042-12 SB-7-8.5 [Soil] Sampled 04/24/17 11:10 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	04/28/17 15:00	3	05/08/17 11:10	
8260	04/28/17 15:00	3	05/08/17 11:10	+ GRO
T171042-13 SB-7-15 [Soil] Sampled 04/24/17 11:15 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171042-14 SB-8-2 [Soil] Sampled 04/24/17 11:40 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	04/28/17 15:00	3	05/08/17 11:40	
8260	04/28/17 15:00	3	05/08/17 11:40	+ GRO
T171042-15 SB-8-5.5 [Soil] Sampled 04/24/17 11:45 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	04/28/17 15:00	3	05/08/17 11:45	
8260	04/28/17 15:00	3	05/08/17 11:45	+ GRO

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T171042

Client:	**The LEMR Trust**	**Project Manager:**	**Rose Fasheh**
Project:	**139th Avenue Property**	**Project Number:**	**[none]**

Analysis	Due	TAT	Expires	Comments
T171042-16 SB-8-8 [Soil] Sampled 04/24/17 11:45 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				

Reviewed By

Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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

03 May 2017

Lita Freeman
The LEMR Trust
PO Box 511
Alamo, CA 94507

RE: 139th Avenue Property

Enclosed are the results of analyses for samples received by the laboratory on 04/26/17 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rose Fasheh

Rose Fasheh
Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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

The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-6-2	T171048-01	Soil	04/24/17 13:00	04/26/17 10:30
SB-6-5.5	T171048-02	Soil	04/24/17 13:05	04/26/17 10:30
SB-6-GW	T171048-05	Water	04/24/17 14:40	04/26/17 10:30
SB-7-GW	T171048-06	Water	04/24/17 12:40	04/26/17 10:30
SB-5-2	T171048-07	Soil	04/25/17 07:40	04/26/17 10:30
SB-5-8.5	T171048-09	Soil	04/25/17 07:50	04/26/17 10:30
SB-5-GW	T171048-12	Water	04/25/17 09:20	04/26/17 10:30
SB-4-1.5	T171048-13	Soil	04/25/17 08:05	04/26/17 10:30
SB-4-8.5	T171048-16	Soil	04/25/17 08:15	04/26/17 10:30
SB-4-GW	T171048-19	Water	04/25/17 09:35	04/26/17 10:30
SB-3-1.5	T171048-20	Soil	04/25/17 08:55	04/26/17 10:30
SB-3-5.5	T171048-23	Soil	04/25/17 09:00	04/26/17 10:30

SunStar Laboratories, Inc.

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

Rose Fasheh, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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

The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

DETECTIONS SUMMARY

Sample ID: SB-6-2 **Laboratory ID:** T171048-01

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**12**	10	mg/kg	EPA 8015B	
Tetrachloroethene	**9.6**	5.0	ug/kg	EPA 8260B	

Sample ID: SB-6-5.5 **Laboratory ID:** T171048-02

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**6.2**	5.0	ug/kg	EPA 8260B	

Sample ID: SB-6-GW **Laboratory ID:** T171048-05

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**0.72**	0.050	mg/l	EPA 8015B	
Chloroform	**1.9**	1.0	ug/l	EPA 8260B	
Tetrachloroethene	**7.1**	1.0	ug/l	EPA 8260B	

Sample ID: SB-7-GW **Laboratory ID:** T171048-06

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**0.39**	0.050	mg/l	EPA 8015B	
Tetrachloroethene	**21**	1.0	ug/l	EPA 8260B	

Sample ID: SB-5-2 **Laboratory ID:** T171048-07

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**13**	10	mg/kg	EPA 8015B	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

Sample ID: SB-5-8.5 **Laboratory ID:** T171048-09

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**14**	10	mg/kg	EPA 8015B	
C29-C40 (MORO)	**24**	10	mg/kg	EPA 8015B	

Sample ID: SB-5-GW **Laboratory ID:** T171048-12

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**5.9**	1.0	ug/l	EPA 8260B	

Sample ID: SB-4-1.5 **Laboratory ID:** T171048-13

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**36**	10	mg/kg	EPA 8015B	
C29-C40 (MORO)	**71**	10	mg/kg	EPA 8015B	

Sample ID: SB-4-8.5 **Laboratory ID:** T171048-16

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**21**	10	mg/kg	EPA 8015B	
C29-C40 (MORO)	**25**	10	mg/kg	EPA 8015B	

Sample ID: SB-4-GW **Laboratory ID:** T171048-19

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**4.4**	1.0	ug/l	EPA 8260B	

Sample ID: SB-3-1.5 **Laboratory ID:** T171048-20

Analyte	Result	Reporting Limit	Units	Method	Notes
C13-C28 (DRO)	**31**	10	mg/kg	EPA 8015B	
C29-C40 (MORO)	**51**	10	mg/kg	EPA 8015B	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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

The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

Sample ID: SB-3-5.5 **Laboratory ID:** T171048-23

Analyte	Result	Reporting Limit	Units	Method	Notes
C29-C40 (MORO)	**16**	10	mg/kg	EPA 8015B	

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Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
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949.297.5027 Fax

The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-6-2

T171048-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**12**	10	mg/kg	1	7042730	04/27/17	04/29/17	EPA 8015B	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*106 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042640	04/26/17	04/26/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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

Rose Fasheh, Project Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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

The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-6-2

T171048-01 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,2-Dichloroethene	ND	5.0	ug/kg	1	7042640	04/26/17	04/26/17	EPA 8260B	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	**9.6**	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-6-2

T171048-01 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C12 (GRO)	ND	500	ug/kg	1	7042640	04/26/17	04/26/17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*93.0 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*99.1 %*	*85.5-116*		"	"	"	"	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-6-5.5

T171048-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	ND	10	mg/kg	1	7042730	04/27/17	04/29/17	EPA 8015B	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*104 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042640	04/26/17	04/26/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-6-5.5

T171048-02 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,2-Dichloroethene	ND	5.0	ug/kg	1	7042640	04/26/17	04/26/17	EPA 8260B	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	**6.2**	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	

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Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-6-5.5

T171048-02 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C12 (GRO)	ND	500	ug/kg	1	7042640	04/26/17	04/26/17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*89.4 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*93.2 %*	*85.5-116*		"	"	"	"	

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Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-6-GW

T171048-05 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**0.72**	0.050	mg/l	1	7042733	04/27/17	04/29/17	EPA 8015B	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*95.5 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	7042629	04/26/17	04/26/17	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	**1.9**	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-6-GW

T171048-05 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	1.0	ug/l	1	7042629	04/26/17	04/26/17	EPA 8260B	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	**7.1**	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
C6-C12 (GRO)	ND	50	"	"	"	"	"	"	

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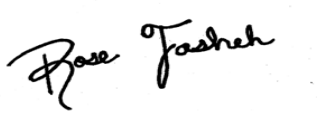

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-6-GW

T171048-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: 4-Bromofluorobenzene		*98.6 %*	*83.5-119*		*7042629*	*04/26/17*	*04/26/17*	*EPA 8260B*	
Surrogate: Dibromofluoromethane		*92.0 %*	*81-136*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*96.2 %*	*88.8-117*		*"*	*"*	*"*	*"*	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-7-GW

T171048-06 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C6-C12 (GRO)	ND	50	ug/l	1	7050134	05/01/17	05/01/17	EPA 8015B	
Surrogate: 4-Bromofluorobenzene		*112 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**0.39**	0.050	mg/l	1	7042733	04/27/17	04/29/17	EPA 8015B	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*89.8 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	7042629	04/26/17	04/26/17	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-7-GW

T171048-06 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloroethane	ND	0.50	ug/l	1	7042629	04/26/17	04/26/17	EPA 8260B	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	**21**	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-7-GW

T171048-06 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Ethylbenzene	ND	0.50	ug/l	1	7042629	04/26/17	04/26/17	EPA 8260B	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*93.1 %*	*81-136*		"	"	"	"	
Surrogate: Toluene-d8		*96.2 %*	*88.8-117*		"	"	"	"	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-5-2

T171048-07 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**13**	10	mg/kg	1	7042730	04/27/17	04/29/17	EPA 8015B	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*108 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042640	04/26/17	04/26/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-5-2

T171048-07 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,2-Dichloroethene	ND	5.0	ug/kg	1	7042640	04/26/17	04/26/17	EPA 8260B	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	

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SB-5-2

T171048-07 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C12 (GRO)	ND	500	ug/kg	1	7042640	04/26/17	04/26/17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*94.0 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*111 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*96.0 %*	*85.5-116*		"	"	"	"	

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Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-5-8.5

T171048-09 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**14**	10	mg/kg	1	7042730	04/27/17	04/29/17	EPA 8015B	
C29-C40 (MORO)	**24**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*107 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042640	04/26/17	04/27/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-5-8.5

T171048-09 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.0	ug/kg	1	7042640	04/26/17	04/27/17	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	

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SB-5-8.5

T171048-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: 4-Bromofluorobenzene	*94.9 %*	*81.2-123*			*7042640*	*04/26/17*	*04/27/17*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*106 %*	*95.7-135*			*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8	*96.8 %*	*85.5-116*			*"*	*"*	*"*	*"*	

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The LEMR Trust	Project: 139th Avenue Property	
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Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-5-GW

T171048-12 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	ND	0.050	mg/l	1	7042733	04/27/17	04/29/17	EPA 8015B	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*92.6 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	7042629	04/26/17	04/26/17	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	

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SB-5-GW

T171048-12 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,2-Dichloroethene	ND	1.0	ug/l	1	7042629	04/26/17	04/26/17	EPA 8260B	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	**5.9**	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-5-GW

T171048-12 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C12 (GRO)	ND	50	ug/l	1	7042629	04/26/17	04/26/17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*98.4 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*81-136*		"	"	"	"	
Surrogate: Toluene-d8		*97.1 %*	*88.8-117*		"	"	"	"	

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Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-4-1.5

T171048-13 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**36**	10	mg/kg	1	7042730	04/27/17	04/29/17	EPA 8015B	
C29-C40 (MORO)	**71**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*105 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042640	04/26/17	04/27/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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Rose Fasheh, Project Manager

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Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-4-1.5

T171048-13 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.0	ug/kg	1	7042640	04/26/17	04/27/17	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	

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SB-4-1.5

T171048-13 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 4-Bromofluorobenzene	*100 %*		*81.2-123*		*7042640*	*04/26/17*	*04/27/17*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*113 %*		*95.7-135*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8	*88.2 %*		*85.5-116*		*"*	*"*	*"*	*"*	

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SB-4-8.5

T171048-16 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**21**	10	mg/kg	1	7042730	04/27/17	04/29/17	EPA 8015B	
C29-C40 (MORO)	**25**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*106 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042640	04/26/17	04/27/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-4-8.5

T171048-16 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.0	ug/kg	1	7042640	04/26/17	04/27/17	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	

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SB-4-8.5

T171048-16 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 4-Bromofluorobenzene	*90.5 %*	*81.2-123*			*7042640*	*04/26/17*	*04/27/17*	*EPA 8260B*	
Surrogate: Dibromofluoromethane	*111 %*	*95.7-135*			*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8	*93.5 %*	*85.5-116*			*"*	*"*	*"*	*"*	

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PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-4-GW

T171048-19 (Water)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C6-C12 (GRO)	ND	50	ug/l	1	7050217	05/02/17	05/02/17	EPA 8015B	AO-1
Surrogate: 4-Bromofluorobenzene		*119 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	ND	0.050	mg/l	1	7042733	04/27/17	04/29/17	EPA 8015B	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*90.0 %*	*65-135*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	1.0	ug/l	1	7042629	04/26/17	04/26/17	EPA 8260B	
Bromochloromethane	ND	1.0	"	"	"	"	"	"	
Bromodichloromethane	ND	1.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	1.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"	
Dibromochloromethane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
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SB-4-GW

T171048-19 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
1,2-Dichloroethane	ND	0.50	ug/l	1	7042629	04/26/17	04/26/17	EPA 8260B	
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
Methylene chloride	ND	1.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"	
Tetrachloroethene	**4.4**	1.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"	
Trichloroethene	ND	1.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-4-GW

T171048-19 (Water)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Ethylbenzene	ND	0.50	ug/l	1	7042629	04/26/17	04/26/17	EPA 8260B	
m,p-Xylene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*83.5-119*		"	"	"	"	
Surrogate: Dibromofluoromethane		*94.0 %*	*81-136*		"	"	"	"	
Surrogate: Toluene-d8		*97.0 %*	*88.8-117*		"	"	"	"	

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-3-1.5

T171048-20 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	**31**	10	mg/kg	1	7042730	04/27/17	04/29/17	EPA 8015B	
C29-C40 (MORO)	**51**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*108 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042640	04/26/17	04/27/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

SB-3-1.5

T171048-20 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.0	ug/kg	1	7042640	04/26/17	04/27/17	EPA 8260B	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
C6-C12 (GRO)	ND	500	"	"	"	"	"	"	

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SB-3-1.5

T171048-20 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: 4-Bromofluorobenzene		*90.6 %*	*81.2-123*		*7042640*	*04/26/17*	*04/27/17*	*EPA 8260B*	
Surrogate: Dibromofluoromethane		*111 %*	*95.7-135*		*"*	*"*	*"*	*"*	
Surrogate: Toluene-d8		*97.8 %*	*85.5-116*		*"*	*"*	*"*	*"*	

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SB-3-5.5

T171048-23 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Extractable Petroleum Hydrocarbons by 8015B									
C13-C28 (DRO)	ND	10	mg/kg	1	7042730	04/27/17	04/29/17	EPA 8015B	
C29-C40 (MORO)	**16**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*98.7 %*	*65-135*		*"*	*"*	*"*	*"*	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.0	ug/kg	1	7042640	04/26/17	04/27/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	

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SB-3-5.5

T171048-23 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
trans-1,2-Dichloroethene	ND	5.0	ug/kg	1	7042640	04/26/17	04/27/17	EPA 8260B	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	

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SB-3-5.5

T171048-23 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C6-C12 (GRO)	ND	500	ug/kg	1	7042640	04/26/17	04/27/17	EPA 8260B	
Surrogate: 4-Bromofluorobenzene		*84.2 %*	*81.2-123*		"	"	"	"	
Surrogate: Dibromofluoromethane		*132 %*	*95.7-135*		"	"	"	"	
Surrogate: Toluene-d8		*89.8 %*	*85.5-116*		"	"	"	"	

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Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

Purgeable Petroleum Hydrocarbons by EPA 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7050134 - EPA 5030 GC										
Blank (7050134-BLK1)				Prepared: 05/01/17 Analyzed: 05/02/17						
C6-C12 (GRO)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*123*		*"*	*100*		*123*	*65-135*			
LCS (7050134-BS1)				Prepared & Analyzed: 05/01/17						
C6-C12 (GRO)	5350	50	ug/l	5500		97.2	75-125			
Surrogate: 4-Bromofluorobenzene	*111*		*"*	*100*		*111*	*65-135*			
LCS Dup (7050134-BSD1)				Prepared & Analyzed: 05/01/17						
C6-C12 (GRO)	5490	50	ug/l	5500		99.7	75-125	2.55	20	
Surrogate: 4-Bromofluorobenzene	*96.8*		*"*	*100*		*96.8*	*65-135*			
Batch 7050217 - EPA 5030 GC										
Blank (7050217-BLK1)				Prepared: 05/02/17 Analyzed: 05/03/17						
C6-C12 (GRO)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	*130*		*"*	*100*		*130*	*65-135*			
LCS (7050217-BS1)				Prepared & Analyzed: 05/02/17						
C6-C12 (GRO)	5470	50	ug/l	5500		99.4	75-125			
Surrogate: 4-Bromofluorobenzene	*92.2*		*"*	*100*		*92.2*	*65-135*			
LCS Dup (7050217-BSD1)				Prepared & Analyzed: 05/02/17						
C6-C12 (GRO)	5210	50	ug/l	5500		94.7	75-125	4.83	20	
Surrogate: 4-Bromofluorobenzene	*86.0*		*"*	*100*		*86.0*	*65-135*			

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PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7042730 - EPA 3550B GC										
Blank (7042730-BLK1)				Prepared: 04/27/17 Analyzed: 04/29/17						
C13-C28 (DRO)	ND	10	mg/kg							
C29-C40 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	*105*		*"*	*100*		*105*	*65-135*			
LCS (7042730-BS1)				Prepared: 04/27/17 Analyzed: 04/29/17						
C13-C28 (DRO)	550	10	mg/kg	500		109	75-125			
Surrogate: p-Terphenyl	*104*		*"*	*100*		*104*	*65-135*			
Matrix Spike (7042730-MS1)	**Source: T171048-01**			Prepared: 04/27/17 Analyzed: 04/29/17						
C13-C28 (DRO)	540	10	mg/kg	505	12	104	75-125			
Surrogate: p-Terphenyl	*98.6*		*"*	*101*		*97.6*	*65-135*			
Matrix Spike Dup (7042730-MSD1)	**Source: T171048-01**			Prepared: 04/27/17 Analyzed: 04/29/17						
C13-C28 (DRO)	550	10	mg/kg	495	12	108	75-125	1.55	20	
Surrogate: p-Terphenyl	*102*		*"*	*99.0*		*103*	*65-135*			
Batch 7042733 - EPA 3510C GC										
Blank (7042733-BLK1)				Prepared: 04/27/17 Analyzed: 04/29/17						
C6-C12 (GRO)	ND	0.050	mg/l							
C13-C28 (DRO)	ND	0.050	"							
C29-C40 (MORO)	ND	0.10	"							
Surrogate: p-Terphenyl	*4.14*		*"*	*4.00*		*103*	*65-135*			
LCS (7042733-BS1)				Prepared: 04/27/17 Analyzed: 04/29/17						
C13-C28 (DRO)	21.0	0.050	mg/l	20.0		105	75-125			
Surrogate: p-Terphenyl	*3.81*		*"*	*4.00*		*95.3*	*65-135*			

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Rose Fasheh, Project Manager

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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

The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7042733 - EPA 3510C GC										
LCS Dup (7042733-BSD1)				Prepared: 04/27/17 Analyzed: 04/29/17						
C13-C28 (DRO)	21.6	0.050	mg/l	20.0		108	75-125	2.71	20	
Surrogate: p-Terphenyl	*3.86*		*"*	*4.00*		*96.4*	*65-135*			

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7042629 - EPA 5030 GCMS										
Blank (7042629-BLK1)				Prepared & Analyzed: 04/26/17						
Bromobenzene	ND	1.0	ug/l							
Bromochloromethane	ND	1.0	"							
Bromodichloromethane	ND	1.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
tert-Butylbenzene	ND	1.0	"							
Carbon tetrachloride	ND	0.50	"							
Chlorobenzene	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	1.0	"							
Chloromethane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Dibromochloromethane	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	5.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
Dibromomethane	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,4-Dichlorobenzene	ND	1.0	"							
Dichlorodifluoromethane	ND	0.50	"							
1,1-Dichloroethane	ND	1.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,1-Dichloroethene	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							
2,2-Dichloropropane	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	0.50	"							
trans-1,3-Dichloropropene	ND	0.50	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							

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Rose Fasheh, Project Manager

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7042629 - EPA 5030 GCMS										
Blank (7042629-BLK1)				Prepared & Analyzed: 04/26/17						
p-Isopropyltoluene	ND	1.0	ug/l							
Methylene chloride	ND	1.0	"							
Naphthalene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
m,p-Xylene	ND	1.0	"							
o-Xylene	ND	0.50	"							
C6-C12 (GRO)	ND	50	"							
Surrogate: 4-Bromofluorobenzene	*6.95*		*"*	*8.00*		*86.9*	*83.5-119*			
Surrogate: Dibromofluoromethane	*6.39*		*"*	*8.00*		*79.9*	*81-136*			*S-GC*
Surrogate: Toluene-d8	*8.05*		*"*	*8.00*		*101*	*88.8-117*			

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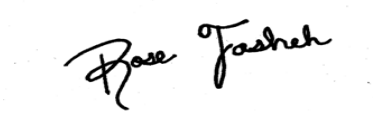

Rose Fasheh, Project Manager

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7042629 - EPA 5030 GCMS										
LCS (7042629-BS1)				Prepared & Analyzed: 04/26/17						
Chlorobenzene	22.8	1.0	ug/l	20.0		114	75-125			
1,1-Dichloroethene	18.9	1.0	"	20.0		94.6	75-125			
Trichloroethene	17.5	1.0	"	20.0		87.4	75-125			
Benzene	16.6	0.50	"	20.0		83.2	75-125			
Toluene	16.8	0.50	"	20.0		84.2	75-125			
Surrogate: 4-Bromofluorobenzene	*9.06*		*"*	*8.00*		*113*	*83.5-119*			
Surrogate: Dibromofluoromethane	*8.33*		*"*	*8.00*		*104*	*81-136*			
Surrogate: Toluene-d8	*7.20*		*"*	*8.00*		*90.0*	*88.8-117*			
LCS Dup (7042629-BSD1)				Prepared & Analyzed: 04/26/17						
Chlorobenzene	24.6	1.0	ug/l	20.0		123	75-125	7.44	20	
1,1-Dichloroethene	19.5	1.0	"	20.0		97.3	75-125	2.87	20	
Trichloroethene	18.2	1.0	"	20.0		91.2	75-125	4.37	20	
Benzene	16.8	0.50	"	20.0		84.2	75-125	1.14	20	
Toluene	18.1	0.50	"	20.0		90.7	75-125	7.49	20	
Surrogate: 4-Bromofluorobenzene	*8.99*		*"*	*8.00*		*112*	*83.5-119*			
Surrogate: Dibromofluoromethane	*7.90*		*"*	*8.00*		*98.8*	*81-136*			
Surrogate: Toluene-d8	*7.39*		*"*	*8.00*		*92.4*	*88.8-117*			
Batch 7042640 - EPA 5030 GCMS										
Blank (7042640-BLK1)				Prepared & Analyzed: 04/26/17						
Bromobenzene	ND	5.0	ug/kg							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	5.0	"							
Bromoform	ND	5.0	"							
Bromomethane	ND	5.0	"							
n-Butylbenzene	ND	5.0	"							
sec-Butylbenzene	ND	5.0	"							
tert-Butylbenzene	ND	5.0	"							
Carbon tetrachloride	ND	5.0	"							
Chlorobenzene	ND	5.0	"							
Chloroethane	ND	5.0	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	5.0	"							
2-Chlorotoluene	ND	5.0	"							

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Rose Fasheh, Project Manager

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Providing Quality Analytical Services Nationwide

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7042640 - EPA 5030 GCMS										
Blank (7042640-BLK1)				Prepared & Analyzed: 04/26/17						
4-Chlorotoluene	ND	5.0	ug/kg							
Dibromochloromethane	ND	5.0	"							
1,2-Dibromo-3-chloropropane	ND	10	"							
1,2-Dibromoethane (EDB)	ND	5.0	"							
Dibromomethane	ND	5.0	"							
1,2-Dichlorobenzene	ND	5.0	"							
1,3-Dichlorobenzene	ND	5.0	"							
1,4-Dichlorobenzene	ND	5.0	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	5.0	"							
1,2-Dichloroethane	ND	5.0	"							
1,1-Dichloroethene	ND	5.0	"							
cis-1,2-Dichloroethene	ND	5.0	"							
trans-1,2-Dichloroethene	ND	5.0	"							
1,2-Dichloropropane	ND	5.0	"							
1,3-Dichloropropane	ND	5.0	"							
2,2-Dichloropropane	ND	5.0	"							
1,1-Dichloropropene	ND	5.0	"							
cis-1,3-Dichloropropene	ND	5.0	"							
trans-1,3-Dichloropropene	ND	5.0	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							
p-Isopropyltoluene	ND	5.0	"							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							

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Rose Fasheh, Project Manager

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7042640 - EPA 5030 GCMS										
Blank (7042640-BLK1)				Prepared & Analyzed: 04/26/17						
1,2,3-Trichloropropane	ND	5.0	ug/kg							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	10	"							
o-Xylene	ND	5.0	"							
C6-C12 (GRO)	ND	500	"							
Surrogate: 4-Bromofluorobenzene	*35.9*		"	*40.0*		*89.8*	*81.2-123*			
Surrogate: Dibromofluoromethane	*46.4*		"	*40.0*		*116*	*95.7-135*			
Surrogate: Toluene-d8	*39.6*		"	*40.0*		*98.9*	*85.5-116*			
LCS (7042640-BS1)				Prepared: 04/26/17 Analyzed: 04/27/17						
Chlorobenzene	116	5.0	ug/kg	98.8		117	75-125			
1,1-Dichloroethene	97.9	5.0	"	98.8		99.0	75-125			
Trichloroethene	86.8	5.0	"	98.8		87.8	75-125			
Benzene	85.6	5.0	"	98.8		86.6	75-125			
Toluene	83.6	5.0	"	98.8		84.6	75-125			
Surrogate: 4-Bromofluorobenzene	*44.9*		"	*39.5*		*114*	*81.2-123*			
Surrogate: Dibromofluoromethane	*47.9*		"	*39.5*		*121*	*95.7-135*			
Surrogate: Toluene-d8	*35.0*		"	*39.5*		*88.5*	*85.5-116*			
LCS Dup (7042640-BSD1)				Prepared: 04/26/17 Analyzed: 04/27/17						
Chlorobenzene	124	5.0	ug/kg	99.4		125	75-125	6.50	20	
1,1-Dichloroethene	99.8	5.0	"	99.4		100	75-125	1.95	20	
Trichloroethene	91.0	5.0	"	99.4		91.5	75-125	4.66	20	
Benzene	89.6	5.0	"	99.4		90.1	75-125	4.50	20	
Toluene	87.6	5.0	"	99.4		88.1	75-125	4.59	20	
Surrogate: 4-Bromofluorobenzene	*44.0*		"	*39.8*		*111*	*81.2-123*			
Surrogate: Dibromofluoromethane	*47.7*		"	*39.8*		*120*	*95.7-135*			
Surrogate: Toluene-d8	*34.6*		"	*39.8*		*87.1*	*85.5-116*			

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Rose Fasheh, Project Manager

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Lake Forest, California 92630
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949.297.5027 Fax

The LEMR Trust	Project: 139th Avenue Property	
PO Box 511	Project Number: [none]	**Reported:**
Alamo CA, 94507	Project Manager: Lita Freeman	05/03/17 12:23

Notes and Definitions

S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
AO-1	Presence of a single analyte peak in the GRO range does not resemble GRO pattern, therefore result is reported as ND.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SunStar Laboratories, Inc.

Rose Fasheh, Project Manager

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: The LEMR Trust
Address: PO Box 511, Alamo, CA 94507
Phone: 925-784-4226 Fax:
Project Manager: Lita Freeman Environmental Risk Assessor 3916779897

Date: 4/25/17 Page: 1 Of 2
Project Name: 139th Avenue Property
Collector: Lita Freeman Client Project #:
Batch #: 711048 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 + TPHg	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)/motor oil	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	Hold			Laboratory ID #	Comments/Preservative	Total # of containers
SB-6-2	4/24/17	1300	Soil	tube	X						X							01		1
SB-6-5.5	4/24/17	1305	Soil	tube	X						X							02		1
SB-6-8.5	4/24/17	1310	Soil	tube											X			03		1
SB-6-15	4/24/17	1315	Soil	tube											X			04		1
SB-6 GW	4/24/17	1440	groundwater	VOAs	X						X							05		6
SB-7-GW	4/24/17	1240	groundwater	VOAs	X						X							06		7
SB-5-2	4/25/17	0740	Soil	tube	X						X							07		1
SB-5-5.5	4/25/17	0745	Soil	tube											X			08		1
SB-5-8.5	4/25/17	0750	Soil	tube	X						X							09		1
SB-5-15	4/25/17	0755	Soil	tube											X			10		1
SB-5-20	4/25/17	0800	Soil	tube											X			11		1
SB-5-GW	4/25/17	0920	groundwater	VOAs	X						X							12		6
SB-4-1.5	4/25/17	0805	Soil	tube	X						X							13		1
SB-4-2	4/25/17	0805	Soil	tube											X			14		1
SB-4-5	4/25/17	0810	Soil	tube											X			15		1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Lita D Freeman	4/25/17 1320	Ed Stevens	4/25/17 1320
GSO	4-26-17 10:30		4/26/17 10:30
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 22
Chain of Custody seals Y/N/NA:
Seals intact? Y/N/NA:
Received good condition/cold: 3.3
Turn around time: STD

Notes
Report to litafreeman@gmail.com
normal TAT.
SEE quote from Bill Henne

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 160251

SunStar Laboratories, Inc.

PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: The LEMR Trust
Address: PO Box 511, Alamo, CA 94507
Phone: 925-784-4226 Fax:
Project Manager: Lita Freeman Environmental Risk Assessor 9166779897

Date: 4/25/17 Page: 2 Of 2
Project Name: 1394th Avenue Property
Collector: Lita Freeman Client Project #:
Batch #: 7171048 EDF #:

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260 + TPHg	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)/motor oil	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	Hold			Laboratory ID #	Comments/Preservative	Total # of containers
SB-4-8.5	4/25/17	0815	soil	tube	X						X							16		1
SB-4-15	4/25/17	0820	soil	tube											X			17		1
SB-4-20	4/25/17	0825	soil	tube											X			18		1
SB-4-GW	4/25/17	0935	groundwater	VOAs	X						X							19		6
SB-3-1.5	4/25/17	0855	soil	tube	X						X							20		1
SB-3-2	4/25/17	0855	soil	tube											X			21		1
SB-3-3	4/25/17	0855	soil	tube											X			22		1
SB-3-5.5	4/25/17	0900	soil	tube	X						X							23		1
SB-3-7.5	4/25/17	0900	soil	tube											X			24		1

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Lita Freeman	4/25/17 1320	EL Stevens	4/25/17 1320
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
GSO	4.26.17 10:30		4.26.17 10:30
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers: 14
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold: 3.3
Turn around time: STD

Notes
Report to litafreeman@gmail.com
Normal TAT
See quote from Bill Hannell

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 160252

SunStar Laboratories — Celebrating 20 Years!

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: 1711048

Client Name: ENV. RISK ASSESSORS

Project: 129TH AVENUE PROPERTY

Delivered by: ☐ Client ☐ SunStar Courier ☒ GSO ☐ FedEx ☐ Other

If Courier, Received by: _____

Date/Time Courier Received: _____

Lab Received by: SUNNY

Date/Time Lab Received: 4.26.17 / 10:30

Total number of coolers received: 1

Temperature: Cooler #1 3.6	°C +/- the CF (- 0.2°C)	= 3.3	°C corrected temperature
Temperature: Cooler #2	°C +/- the CF (- 0.2°C)	=	°C corrected temperature
Temperature: Cooler #3	°C +/- the CF (- 0.2°C)	=	°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria?	☒ **Yes** ☐ **No**
If NO:			
Samples received on ice?		☐ Yes	☐ **No → Complete Non-Conformance Sheet**
If on ice, samples received same day collected?		☐ Yes → Acceptable	☐ **No → Complete Non-Conformance Sheet**

Custody seals intact on cooler/sample	☒ Yes	☐ No*	☐ N/A
Sample containers intact	☒ Yes	☐ No*	
Sample labels match Chain of Custody IDs	☒ Yes	☐ No*	
Total number of containers received match COC	☒ Yes	☐ No*	
Proper containers received for analyses requested on COC	☒ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested	☒ Yes	☐ No*	☐ N/A
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times	☒ **Yes**	☐ **No***	

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date: SL 4.26.17

Comments:

(949) 297-5020 ■ www.sunstarlabs.com ■ 25712 Commercentre Drive ■ Lake Forest, CA 92630

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T171048

Client: **The LEMR Trust** **Project Manager:** **Rose Fasheh**
Project: **139th Avenue Property** **Project Number:** **[none]**

Report To:
The LEMR Trust
Lita Freeman
PO Box 511
Alamo, CA 94507

Date Due: 05/01/17 17:00 (3 day TAT)
Received By: Sunny Lounethone Date Received: 04/26/17 10:30
Logged In By: Sunny Lounethone Date Logged In: 04/26/17 10:54

Samples Received at: **3.3°C**
Custody Seals Yes Received On Ice Yes
Containers Intact Yes
COC/Labels Agree Yes
Preservation Confir Yes

Analysis	Due	TAT	Expires	Comments
T171048-01 SB-6-2 [Soil] Sampled 04/24/17 13:00 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	05/01/17 15:00	3	05/08/17 13:00	
8260	05/01/17 15:00	3	05/08/17 13:00	+ GRO
T171048-02 SB-6-5.5 [Soil] Sampled 04/24/17 13:05 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	05/01/17 15:00	3	05/08/17 13:05	
8260	05/01/17 15:00	3	05/08/17 13:05	+ GRO
T171048-03 SB-6-8.5 [Soil] Sampled 04/24/17 13:10 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-04 SB-6-15 [Soil] Sampled 04/24/17 13:15 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-05 SB-6-GW [Water] Sampled 04/24/17 14:40 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain - low level	05/01/17 15:00	3	05/01/17 14:40	D/MO only
8260	05/01/17 15:00	3	05/08/17 14:40	+ GRO
T171048-06 SB-7-GW [Water] Sampled 04/24/17 12:40 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain - low level	05/01/17 15:00	3	05/01/17 12:40	D/MO only
8260	05/01/17 15:00	3	05/08/17 12:40	+ GRO

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

WORK ORDER

T171048

Client: The LEMR Trust
Project: 139th Avenue Property
Project Manager: Rose Fasheh
Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T171048-07 SB-5-2 [Soil] Sampled 04/25/17 07:40 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	05/01/17 15:00	3	05/09/17 07:40	
8260	05/01/17 15:00	3	05/09/17 07:40	+ GRO
T171048-08 SB-5-5.5 [Soil] Sampled 04/25/17 07:45 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-09 SB-5-8.5 [Soil] Sampled 04/25/17 07:50 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	05/01/17 15:00	3	05/09/17 07:50	
8260	05/01/17 15:00	3	05/09/17 07:50	+ GRO
T171048-10 SB-5-15 [Soil] Sampled 04/25/17 07:55 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-11 SB-5-20 [Soil] Sampled 04/25/17 08:00 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-12 SB-5-GW [Water] Sampled 04/25/17 09:20 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain - low level	05/01/17 15:00	3	05/02/17 09:20	D/MO only
8260	05/01/17 15:00	3	05/09/17 09:20	+ GRO
T171048-13 SB-4-1.5 [Soil] Sampled 04/25/17 08:05 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	05/01/17 15:00	3	05/09/17 08:05	
8260	05/01/17 15:00	3	05/09/17 08:05	+ GRO
T171048-14 SB-4-2 [Soil] Sampled 04/25/17 08:05 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-15 SB-4-5 [Soil] Sampled 04/25/17 08:10 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T171048

Client: The LEMR Trust
Project: 139th Avenue Property
Project Manager: Rose Fasheh
Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T171048-16 SB-4-8.5 [Soil] Sampled 04/25/17 08:15 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	05/01/17 15:00	3	05/09/17 08:15	
8260	05/01/17 15:00	3	05/09/17 08:15	+ GRO
T171048-17 SB-4-15 [Soil] Sampled 04/25/17 08:20 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-18 SB-4-20 [Soil] Sampled 04/25/17 08:25 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-19 SB-4-GW [Water] Sampled 04/25/17 09:35 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain - low level	05/01/17 15:00	3	05/02/17 09:35	D/MO only
8260	05/01/17 15:00	3	05/09/17 09:35	+ GRO
T171048-20 SB-3-1.5 [Soil] Sampled 04/25/17 08:55 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	05/01/17 15:00	3	05/09/17 08:55	
8260	05/01/17 15:00	3	05/09/17 08:55	+ GRO
T171048-21 SB-3-2 [Soil] Sampled 04/25/17 08:55 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-22 SB-3-3 [Soil] Sampled 04/25/17 08:55 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-23 SB-3-5.5 [Soil] Sampled 04/25/17 09:00 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	05/01/17 15:00	3	05/09/17 09:00	
8260	05/01/17 15:00	3	05/09/17 09:00	+ GRO
T171048-24 SB-3-7.5 [Soil] Sampled 04/25/17 09:00 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				

Reviewed By

Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T171048

Client: **The LEMR Trust** **Project Manager:** **Rose Fasheh**
Project: **139th Avenue Property** **Project Number:** **[none]**

Report To:
The LEMR Trust
Lita Freeman
PO Box 511
Alamo, CA 94507

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Logged In By: Sunny Lounethone Date Logged In: 04/26/17 10:54

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Custody Seals Yes Received On Ice Yes
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Preservation Confir Yes

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8260	05/01/17 15:00	3	05/08/17 13:00	+ GRO
T171048-02 SB-6-5.5 [Soil] Sampled 04/24/17 13:05 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	05/01/17 15:00	3	05/08/17 13:05	
8260	05/01/17 15:00	3	05/08/17 13:05	+ GRO
T171048-03 SB-6-8.5 [Soil] Sampled 04/24/17 13:10 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-04 SB-6-15 [Soil] Sampled 04/24/17 13:15 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-05 SB-6-GW [Water] Sampled 04/24/17 14:40 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain - low level	05/01/17 15:00	3	05/01/17 14:40	D/MO only
8260	05/01/17 15:00	3	05/08/17 14:40	+ GRO

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T171048

Client: The LEMR Trust
Project: 139th Avenue Property
Project Manager: Rose Fasheh
Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T171048-06 SB-7-GW [Water] Sampled 04/24/17 12:40 (GMT-08:00) Pacific Time (US &				**8015 Gas Purge added per client request (Lita, 5/1)**
8015 Carbon Chain - low level	05/01/17 15:00	3	05/01/17 12:40	D/MO only
8015 m Gas Purge	05/03/17 15:00	3	05/08/17 12:40	
8260	05/01/17 15:00	3	05/08/17 12:40	+ GRO
T171048-07 SB-5-2 [Soil] Sampled 04/25/17 07:40 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	05/01/17 15:00	3	05/09/17 07:40	
8260	05/01/17 15:00	3	05/09/17 07:40	+ GRO
T171048-08 SB-5-5.5 [Soil] Sampled 04/25/17 07:45 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-09 SB-5-8.5 [Soil] Sampled 04/25/17 07:50 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	05/01/17 15:00	3	05/09/17 07:50	
8260	05/01/17 15:00	3	05/09/17 07:50	+ GRO
T171048-10 SB-5-15 [Soil] Sampled 04/25/17 07:55 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-11 SB-5-20 [Soil] Sampled 04/25/17 08:00 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-12 SB-5-GW [Water] Sampled 04/25/17 09:20 (GMT-08:00) Pacific Time (US &				
8015 Carbon Chain - low level	05/01/17 15:00	3	05/02/17 09:20	D/MO only
8260	05/01/17 15:00	3	05/09/17 09:20	+ GRO
T171048-13 SB-4-1.5 [Soil] Sampled 04/25/17 08:05 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	05/01/17 15:00	3	05/09/17 08:05	
8260	05/01/17 15:00	3	05/09/17 08:05	+ GRO
T171048-14 SB-4-2 [Soil] Sampled 04/25/17 08:05 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				

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T171048

Client: The LEMR Trust
Project: 139th Avenue Property
Project Manager: Rose Fasheh
Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T171048-15 SB-4-5 [Soil] Sampled 04/25/17 08:10 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-16 SB-4-8.5 [Soil] Sampled 04/25/17 08:15 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	05/01/17 15:00	3	05/09/17 08:15	
8015 m Gas Purge	05/03/17 15:00	3	05/09/17 08:15	
8260	05/01/17 15:00	3	05/09/17 08:15	+ GRO
T171048-17 SB-4-15 [Soil] Sampled 04/25/17 08:20 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-18 SB-4-20 [Soil] Sampled 04/25/17 08:25 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-19 SB-4-GW [Water] Sampled 04/25/17 09:35 (GMT-08:00) Pacific Time (US &				**8015 Gas Purge added per client request (Lita, 5/1)**
8015 Carbon Chain - low level	05/01/17 15:00	3	05/02/17 09:35	D/MO only
8015 m Gas Purge	05/01/17 15:00	3	05/09/17 09:35	
8260	05/01/17 15:00	3	05/09/17 09:35	+ GRO
T171048-20 SB-3-1.5 [Soil] Sampled 04/25/17 08:55 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	05/01/17 15:00	3	05/09/17 08:55	
8260	05/01/17 15:00	3	05/09/17 08:55	+ GRO
T171048-21 SB-3-2 [Soil] Sampled 04/25/17 08:55 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-22 SB-3-3 [Soil] Sampled 04/25/17 08:55 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				
T171048-23 SB-3-5.5 [Soil] Sampled 04/25/17 09:00 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	05/01/17 15:00	3	05/09/17 09:00	
8260	05/01/17 15:00	3	05/09/17 09:00	+ GRO

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T171048

Client:	**The LEMR Trust**	**Project Manager:**	**Rose Fasheh**
Project:	**139th Avenue Property**	**Project Number:**	**[none]**

Analysis	Due	TAT	Expires	Comments
T171048-24 SB-3-7.5 [Soil] Sampled 04/25/17 09:00 (GMT-08:00) Pacific Time (US &				**HOLD**
[NO ANALYSES]				

Reviewed By

Date