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# LIMITED SUBSURFACE INVESTIGATION REPORT



**AUTO REPAIR CENTER  
1011 GRAND AVENUE  
SAN DIEGO, CALIFORNIA**

**October 5, 2020**

**DMG Project No. PISDOMt**

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**LIMITED SUBSURFACE INVESTIGATION REPORT  
AUTO REPAIR CENTER  
1011 GRAND AVENUE  
San Diego, California**

**Project No.: PISDOMt**

**October 5, 2020**

**Prepared for:**

**Mike Turk, Inc.  
4641 Ingraham Street  
San Diego, California 92109**

**Prepared by:**

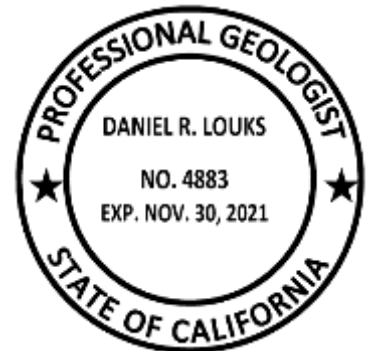


**Environmental Sciences & Inspection Services**

**DMG, Inc.  
2618 San Miguel Dr., Ste 290  
Newport Beach, CA 92660  
T: 949.825.7786  
F: 949.625.9777**

A handwritten signature in blue ink that reads "Daniel R. Louks".

**Dan Louks  
Professional Geologist 4883**



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## EXECUTIVE SUMMARY

The subject site has been used for commercial purposes since 1948 with previous operations including auto repair facilities, a dry cleaners and a gasoline service station that terminated operations in 1981, when the current structure was built. Since redevelopment, part of the property has been continuously used for auto repair. The site is being considered for redevelopment.

The site was previously investigated in 2001-2002 and the site was closed with no further action required by San Diego DEH. However, no soil gas sampling was conducted as part of that closure and given the 18 years of active auto repair operations since that time, investigation of possible vapor intrusion impacts was recommended.

On September 30, 2020, DMG conducted a subsurface investigation that included soil gas sampling in targeted locations across the property including areas with the highest concentrations of soil contamination by TRPH, the clarifier, the former UST, and the former hydraulic lifts.

The results from soil gas sampling indicated each sample had detectable levels of styrene, and seven of the eight had PCE and toluene. No other VOC was detected in any of the samples. The detected concentrations of styrene, PCE and toluene (maximums of 0.20 ug/L, 1.0 ug/L, and 0.15 ug/L, respectively), do not exceed current DTSC screening levels for commercial cases; however, the DTSC has proposed to change these screening levels to far more stringent levels, and the concentration of PCE would exceed the newly proposed level of 0.067.

Based on these factors, DMG recommends no further testing; however, as a preventative measure, the proposed development could be required to incorporate vapor intrusion protection such as a liquid boot barrier to mitigate any remaining residual vapor intrusion concerns if the newly proposed screening levels are accepted.

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## 1.0 BACKGROUND

### 1.1 Site Description

The subject site is located at 1011 Grand Avenue, San Diego, California. The property is a rectangular shaped parcel that occupies approximately 0.56 acres improved with an “L” shaped commercial building constructed in 1981. The site is located on the southeast corner of Grand Avenue and Cass Street in a mixed use residential/industrial section of San Diego (**Figure 1**). Currently, the site is occupied by two unrelated businesses in separate spaces; Firestone Complete Auto Care and Base Fitness Club. The property is being considered for demolition and redevelopment.

In July 2020, DMG, Inc. (DMG) conducted a Phase I Environmental Site Assessment for the property. Records indicate the property was first developed for commercial purposes around 1948 and was occupied by a number of operators including auto repair, a dry cleaner, and a gasoline service station (from 1975-1980). The site was reconfigured after demolition of the former service station in 1981. Since redevelopment, the site has been occupied by auto repair businesses and others. The site was formerly equipped with multiple subsurface hydraulic lifts, a mechanics pit, a clarifier and a UST system.

In 2001-2002, Kleinfelder conducted a subsurface investigation at the site in accordance with the San Diego County Department of Environmental Health (DEH) Site Assessment Mitigation program (SAM). The scope of work included removal of the subsurface hydraulic lifts and drilling of soil borings in targeted areas of potential concern. One boring location, a former hydraulic lift area that had been excavated previously, had total recoverable petroleum hydrocarbon (TRPH) concentrations in soil of 64,800 mg/Kg and 10 feet in depth (Boring KB3). Based on these results DEH required sampling of groundwater in the area. Based on the groundwater sampling results, DEH formally closed the site as indicated in a No Further Action letter dated January 6, 2003. The layout of the site is indicated on **Figure 2**. The results of Kleinfelder’s work are summarized in **Appendix F**.

The long duration of auto repair operations since the site was closed and the lack of soil gas sampling data were identified as potential environmental concerns that justified preliminary subsurface investigation at the site. The results of the Phase I work are presented in DMG’s *“Phase I Environmental Site Assessment Report”* dated August 5, 2020.

### 1.2 Scope of Work

The objective of the current work was to determine if historical and ongoing auto repair operations caused significant subsurface contamination at the site that might result in a vapor intrusion threat to a new proposed structure. The current investigation is part of a self-directed effort that was constrained by time and cost factors. This investigation was not intended to meet the more stringent requirements of a regulatory driven assessment. The scope of work included the installation of eight soil gas sampling probes, soil gas sampling, laboratory analysis, and preparation of this report.

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## 2.0 HYDROGEOLOGIC SETTING

Based on the drilling logs, the shallow subsurface soil consists primarily of interbedded silty clay, clayey silt, silty sand and sand deposits from near surface to 8 feet below grade, the maximum depth of exploration. Descriptions of the sediments encountered during this investigation are presented in the drilling logs (**Appendix A**).

Groundwater was not encountered during drilling to 8 feet below grade. Based on data available in DMG's Phase I report, the depth to groundwater in 2002 was about 21 feet below grade when it was sampled at that time.

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### 3.0 SITE INVESTIGATION

On September 30, 2020, Subsurface Surveys conducted a geophysical survey in the accessible areas of the site to determine if there were any USTs still in place beneath the site. A subsurface anomaly was discovered in an area noted as a former UST location. This area was marked and targeted for investigation by soil gas probe SG8. The geophysical survey report is included as **Appendix E** of this report.

On September 30, 2020, DMG installed 8 temporary soil gas sampling probes (SG1-SG8) in targeted locations at the site including near the clarifier, former hydraulic lifts and near former boring KB3. The probes were installed to total depths ranging from 4-8 feet below grade using hand auger tools. During drilling, a California Professional Geologist described the soil using the Unified Soil Classification System. The probe locations are shown on **Figure 2**.

The probes consist of plastic micro-porous vapor implants that are approximately 2 inches long with a 0.5-inch outside diameter, connected to 0.25-inch outside diameter nylaflow tubing that extended above the surface. The annulus around each vapor implant was backfilled with approximately 1 foot of screen-washed #3 sand. Six inches of dry bentonite was placed immediately above the sand pack, followed by one-foot of bentonite that was hydrated during placement. The bentonite was further sealed with neat cement to grade to provide a secure borehole seal. The probes were finished with gas-tight fittings at the surface pending vapor purging and sampling.

The soil gas sampling probes were allowed to equilibrate overnight before collecting vapor samples. Prior to sampling, shut-in and leak tests were conducted on the probes. The probe head was attached to the sampling train assembly of nylaflow tubing, valves, and fittings and connected to a purge pump. The pump was used to evacuate the sealed system using an applied minimum vacuum of 100 inches of water column (in. WC). The vacuum on each probe was monitored for 90 seconds with the sampling train system sealed. After the shut-in test was validated, the sampling train was leak tested. Liquid isopropyl alcohol was applied with a clean cloth around all connections in the sampling train to evaluate whether the system was sealed from ambient air leaks. A detection of 10 times the reporting limit of this compound might suggest that ambient air leakage had occurred.

The purpose of purging is to remove stagnant air from the vapor sampling train to ensure representative samples are obtained. The probes were purged of three purge volumes of soil vapor (a purge volume includes the volume of tubing plus the void space of the sand pack around the probe) using an adjustable vacuum pump. The purge rate was set at 200 mL/minute. During purging, the soil gas was monitored for oxygen, carbon dioxide, methane and VOC using a MultiRae multi-gas sensor. The soil gas monitoring data is presented in **Appendix B**.

After purging three volumes through the system, vapor samples were collected from each accessible probe on October 1, 2020. During sampling, the purge pump was operated at 200 mL/minute, and the vacuum was monitored to ensure it was below 100 in. WC. Vacuum applied below this level helps ensure chemical partitioning from pore water to soil gas and the stress on the air seals are both minimized. The samples were containerized in Tedlar gas sampling bags, stored in a sealed cooler, and delivered to the laboratory for analysis. The soil gas samples were tested for VOC using EPA Method 8260B by A&R Laboratories on a rush basis.

### 3.1 Laboratory Results

Results from soil gas sampling indicated each probe had low but detectable concentrations of styrene with concentrations ranging up to 0.20 ug/L. Seven of the eight probes had detectable concentrations of PCE and toluene with maximum concentrations of 1.0 ug/L and 0.15 ug/L, respectively. No other VOC was detected in any of the samples. The detected concentrations were compared to the Regional Screening Levels (RSLs) for soil gas which are based on human health risk factors for residential and commercial settings and are commonly used as screening tools. The screening criteria uses defined indoor air concentrations based on human health risk factors that are modified using attenuation factors provided by EPA (0.03) and DTSC (0.001). DTSC policy on which attenuation factor to use is currently under review but our understanding is that the current accepted screening levels for commercial applications for styrene, PCE and toluene are 3,900 ug/L, 2.0 ug/L and 1,300 ug/L, respectively. The more stringent screening levels (if applied) would be 130 ug/L, 0.067 ug/L, and 43.3 ug/L, respectively. Results indicated none of the detected concentrations exceeds the current screening level; however, each sample with detectable concentrations would exceed the proposed level for PCE, if applied. The laboratory results are summarized in **Table 1**. The laboratory report is presented in **Appendix C**.



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## 5.0 CONCLUSIONS AND RECOMMENDATIONS

The subject site has been used for commercial purposes since 1948 with previous operations including auto repair facilities, a dry cleaners and a gasoline service station that terminated operations in 1981, when the current structure was built. Since redevelopment part of the property has been continuously used for auto repair. The site is being considered for redevelopment with new commercial use on the ground floor and residential use above it.

The site was previously investigated in 2001-2002 and the site was closed with no further action required by San Diego DEH. However, no soil gas sampling was conducted as part of that closure, and given the 18 years of active auto repair operations since that time, investigation of possible vapor intrusion impacts was recommended.

In September-October 2020, DMG conducted a subsurface investigation that included soil gas sampling in targeted locations across the property including areas with the highest concentrations of soil contamination by TRPH, the clarifier, the former UST, and the former hydraulic lifts.

The results from soil gas sampling indicated each sample had detectable levels of styrene, and seven of the eight had PCE and toluene. No other VOC was detected in any of the samples. The detected concentrations of styrene, PCE and toluene (maximums of 0.20 ug/L, 1.0 ug/L, and 0.15 ug/L, respectively), do not exceed current DTSC screening levels for commercial cases; however, the DTSC has proposed to change these screening levels to far more stringent levels, and the concentration of PCE would exceed the newly proposed level of 0.067.

Based on these factors, DMG recommends no further testing; however, as a preventative measure, the proposed development could be required to incorporate vapor intrusion protection, such as a liquid boot barrier to mitigate any remaining residual vapor intrusion concerns, if the newly proposed screening levels are adopted.

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## **6.0 LIMITATIONS**

This Subsurface Investigation was performed in accordance with generally and currently accepted engineering practices and principles. The investigation was necessarily limited by time and expense to the number of sample locations and laboratory analyses completed. Although efforts were made to investigate the most probable areas that might have subsurface contamination, this assessment should not be construed as a comprehensive investigation of the entire property. Although the data in this report is indicative of subsurface conditions in areas investigated, no further conclusions regarding the absence or presence of subsurface contamination at the site should be construed or inferred other than those expressly stated in this report. The conclusions made are based on information obtained from field observations, independent laboratory analytical results, and from relevant Federal, State, regional, and local agencies.

**TABLE 1**  
**Summary of Soil Gas Sampling Results (ug/L)**

| Sample ID                          | Benzene       | Toluene       | Ethylbenzene | Xylenes      | Styrene       | TCE         | PCE           | Other VOC |
|------------------------------------|---------------|---------------|--------------|--------------|---------------|-------------|---------------|-----------|
| October 1, 2020                    |               |               |              |              |               |             |               |           |
| SG1-8                              | ND            | 0.13          | ND           | ND           | 0.16          | ND          | 0.31          | ND        |
| SG2-5                              | ND            | 0.15          | ND           | ND           | 0.20          | ND          | 0.44          | ND        |
| SG3-4                              | ND            | ND            | ND           | ND           | 0.20          | ND          | ND            | ND        |
| SG4-8                              | ND            | 0.12          | ND           | ND           | 0.18          | ND          | 0.65          | ND        |
| SG5-8                              | ND            | 0.15          | ND           | ND           | 0.18          | ND          | 0.96          | ND        |
| SG6-8                              | ND            | 0.15          | ND           | ND           | 0.19          | ND          | 1.0           | ND        |
| SG7-8                              | ND            | 0.11          | ND           | ND           | 0.16          | ND          | 0.85          | ND        |
| SG8-6                              | ND            | 0.11          | ND           | ND           | 0.17          | ND          | 0.72          | ND        |
| <b>Commercial<br/>RSL AF=0.03</b>  | <b>0.014*</b> | <b>43.3*</b>  | <b>0.163</b> | <b>14.67</b> | <b>130*</b>   | <b>0.10</b> | <b>0.067*</b> | <b>--</b> |
| <b>Commercial<br/>RSL AF=0.001</b> | <b>0.42*</b>  | <b>1,300*</b> | <b>4.9</b>   | <b>440</b>   | <b>3,900*</b> | <b>3.0</b>  | <b>2.0*</b>   | <b>--</b> |

Notes: ND - Not Detected. DCE=dichloroethene. EPA Regional Screening Levels (RSLs) are human health risk based screening levels used by EPA and DTSC to determine Health Risk in residential and commercial settings. \*-Values modified for California by DTSC HERO Note 3. Screening levels for soil gas calculated using indoor air values and attenuation factor provided by EPA (0.03) and DTSC (0.001). Please refer to lab report for complete results.

# SOIL GAS PURGING DATA FORM

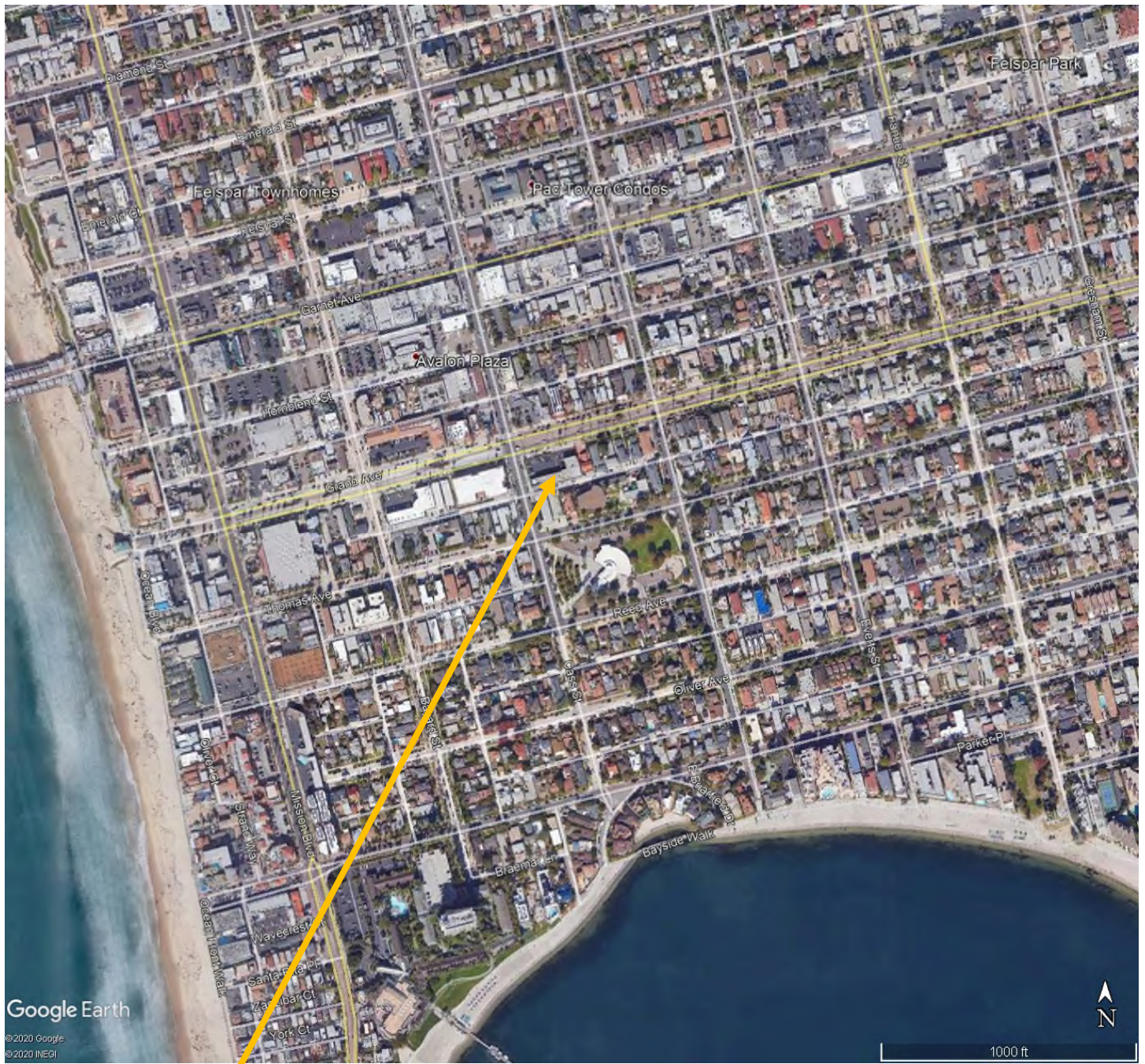
**PROJECT:** Auto Repair Center  
**LOCATION:** 1011 Grand Avenue, San Diego, CA  
**DATE:** October 1, 2020

|                                     | VAPOR PROBE INFO |      |      |      |      |      |      |      |
|-------------------------------------|------------------|------|------|------|------|------|------|------|
| PROBE ID                            | SG1              | SG2  | SG3  | SG4  | SG5  | SG6  | SG7  | SG8  |
| PROBE DEPTH (ft)                    | 8                | 5    | 4    | 8    | 8    | 8    | 8    | 6    |
|                                     | EXTRACTION DATA  |      |      |      |      |      |      |      |
| Applied Vacuum (in. WC)             | <5.0             | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| FLOW (L/min)                        | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  |
| Pore Volumes (borehole - sand pack) | 3                | 3    | 3    | 3    | 3    | 3    | 3    | 3    |
|                                     | MONITORING DATA  |      |      |      |      |      |      |      |
| OXYGEN (%)                          | 16.6             | 17.4 | 17.9 | 16.6 | 16.5 | 15.8 | 15.7 | 16.0 |
| CARBON DIOXIDE (%)                  | 3.95             | 1.70 | 1.0  | 3.14 | 3.67 | >5   | >5   | >5   |
| VOC by PID (ppm)                    | 0.0              | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| Methane (% LEL)                     | 0                | 0    | 0    | 0    | 0    | 0    | 0    | 0    |

|                                     | VAPOR PROBE INFO |  |  |  |  |  |  |  |
|-------------------------------------|------------------|--|--|--|--|--|--|--|
| PROBE ID                            |                  |  |  |  |  |  |  |  |
| PROBE DEPTH (ft)                    |                  |  |  |  |  |  |  |  |
|                                     | EXTRACTION DATA  |  |  |  |  |  |  |  |
| Applied Vacuum (in. WC)             |                  |  |  |  |  |  |  |  |
| FLOW (L/min)                        |                  |  |  |  |  |  |  |  |
| Pore Volumes (borehole - sand pack) |                  |  |  |  |  |  |  |  |
|                                     | MONITORING DATA  |  |  |  |  |  |  |  |
| OXYGEN (%)                          |                  |  |  |  |  |  |  |  |
| CARBON DIOXIDE (%)                  |                  |  |  |  |  |  |  |  |
| VOC by PID (ppm)                    |                  |  |  |  |  |  |  |  |

**REMARKS:** \_\_\_\_\_  
**SAMPLED BY:** DL

## **FIGURES**



SITE

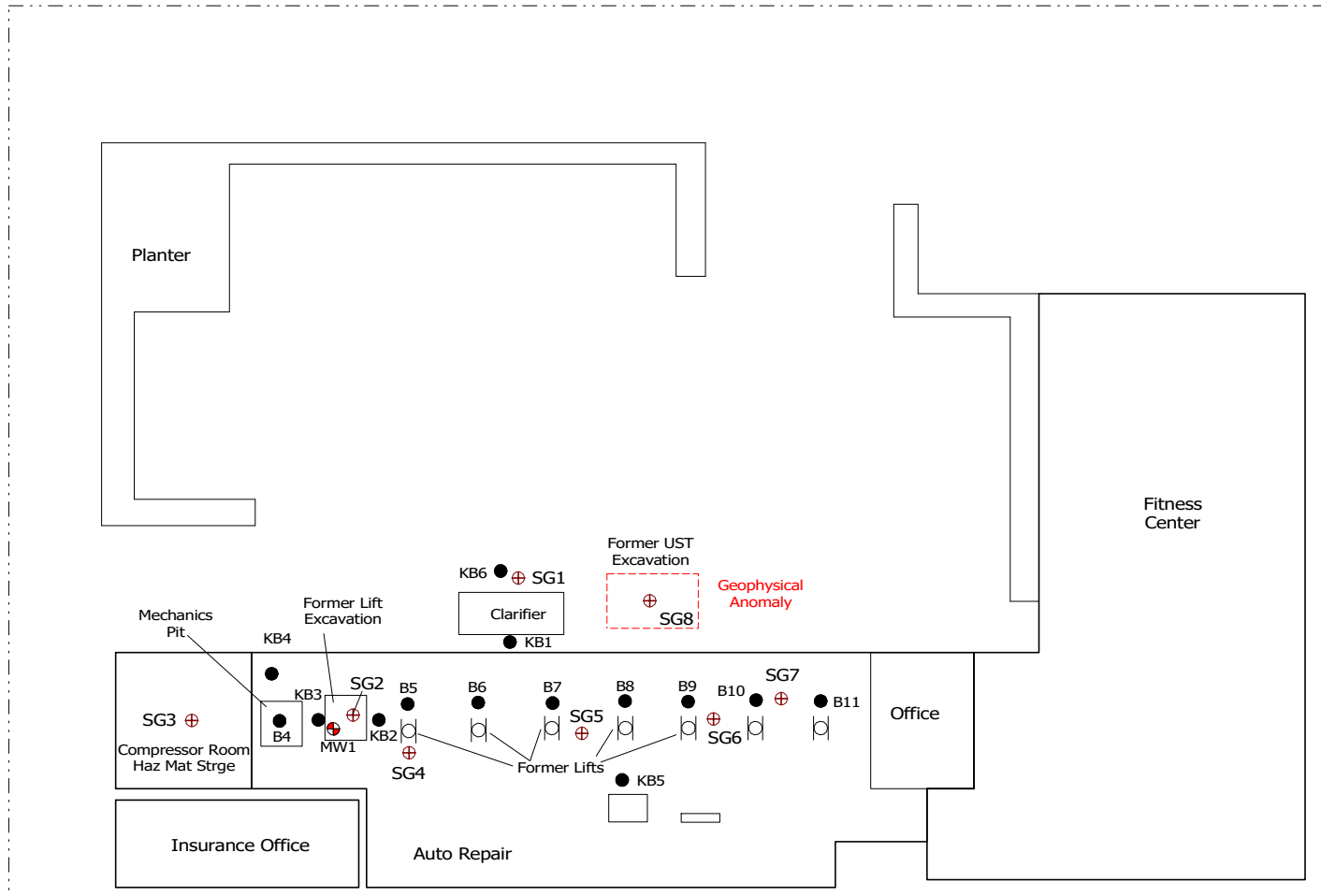
**FIGURE 1**  
SITE VICINITY MAP  
AUTO REPAIR CENTER  
1011 Grand Avenue  
San Diego, CA



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GRAND AVENUE

CASS STREET



LEGEND

- Soil Borings (Kleinfelder 2001-2002)
- ⊕ Groundwater Well (Kleinfelder 2002)
- ⊕ Soil Gas Probes (DMG 2020)



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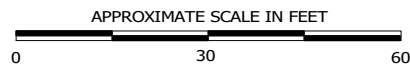


FIGURE 2  
 GENERAL SITE PLAN  
 AUTO REPAIR CENTER  
 1011 Grand Avenue  
 San Diego, California

## **APPENDIX A**



# DRILL/LITHOLOGIC LOG



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**BORING/WELL NUMBER** SG1

**PROJECT** Auto Repair Center

**OWNER** \_\_\_\_\_

**LOCATION** 1011 Grand Avenue, San Diego, CA

**PROJECT NUMBER** \_\_\_\_\_

**DATE DRILLED** September 30, 2020

**TOTAL DEPTH OF HOLE** 8 Feet

**SURFACE ELEVATION** \_\_\_\_\_

**DEPTH TO WATER** \_\_\_\_\_

**SCREEN: DIA.** \_\_\_\_\_ **LENGTH** \_\_\_\_\_ **SLOT SIZE** \_\_\_\_\_

**CASING: DIA.** \_\_\_\_\_ **LENGTH** \_\_\_\_\_ **TYPE** \_\_\_\_\_

**DRILLING COMPANY** DMG **DRILL METHOD** Hand Auger

**DRILLER** Dan/Neil **LOG BY** Dan Louks

| DEPTH (FEET) | WELL CONST |      | PID (PPM) | SAMPLES |      | SOIL CLASS (USCS) | DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)  |
|--------------|------------|------|-----------|---------|------|-------------------|---|
|              | PIPE       | FILL |           | NUMBER  | BLOW |                   |   |
| 0-3          |            |      |           |         |      | CL                | Silty CLAY; brown, medium plasticity, stiff, no odor.   |
| 3-5          |            |      |           |         |      | CL                | Sandy Silty CLAY; brown, low plasticity, very fine sand, no odor.   |
| 6            |            |      |           |         |      | ML                | Sandy Clayey SILT; brown, low plasticity, very fine sand, no odor.  |
| 6-8          |            |      |           |         |      | SM                | Silty SAND; brown, very fine grained, loose, no odor.   |
|              |            |      |           |         |      |                   | Install soil gas probe SG1 with tip set at 8 feet bgs. Install filter pack around sample tip and seal with bentonite and neat cement to surface. Remove after sampling on October 1, 2020 |

# DRILL/LITHOLOGIC LOG



Environmental Sciences & Inspection Services

**BORING/WELL NUMBER** SG2  
**PROJECT** Auto Repair Center **OWNER** \_\_\_\_\_  
**LOCATION** 1011 Grand Avenue, San Diego, CA **PROJECT NUMBER** \_\_\_\_\_  
**DATE DRILLED** September 30, 2020 **TOTAL DEPTH OF HOLE** 5 Feet  
**SURFACE ELEVATION** \_\_\_\_\_ **DEPTH TO WATER** \_\_\_\_\_  
**SCREEN: DIA.** \_\_\_\_\_ **LENGTH** \_\_\_\_\_ **SLOT SIZE** \_\_\_\_\_  
**CASING: DIA.** \_\_\_\_\_ **LENGTH** \_\_\_\_\_ **TYPE** \_\_\_\_\_  
**DRILLING COMPANY** DMG **DRILL METHOD** Hand Auger  
**DRILLER** Dan/Neil **LOG BY** Dan Louks

| DEPTH (FEET) | WELL CONST |      | PID (PPM) | SAMPLES |      | SOIL CLASS (USCS) | DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)   |
|--------------|------------|------|-----------|---------|------|-------------------|--|
|              | PIPE       | FILL |           | NUMBER  | BLOW |                   |  |
| 0-5          |            |      |           |         |      | SW                | Backfill Material<br><br>SAND; very fine to fine grained with silt and 20% fine gravel, poorly sorted, no odor.<br><br>Refusal at 5 feet; gravel.<br><br>Install soil gas probe SG2 with tip set at 5 feet bgs. Install filter pack around sample tip and seal with bentonite and neat cement to surface. Remove after sampling on October 1, 2020 |

# DRILL/LITHOLOGIC LOG



Environmental Sciences & Inspection Services

**BORING/WELL NUMBER** SG3  
**PROJECT** Auto Repair Center **OWNER** \_\_\_\_\_  
**LOCATION** 1011 Grand Avenue, San Diego, CA **PROJECT NUMBER** \_\_\_\_\_  
**DATE DRILLED** September 30, 2020 **TOTAL DEPTH OF HOLE** 4 Feet  
**SURFACE ELEVATION** \_\_\_\_\_ **DEPTH TO WATER** \_\_\_\_\_  
**SCREEN: DIA.** \_\_\_\_\_ **LENGTH** \_\_\_\_\_ **SLOT SIZE** \_\_\_\_\_  
**CASING: DIA.** \_\_\_\_\_ **LENGTH** \_\_\_\_\_ **TYPE** \_\_\_\_\_  
**DRILLING COMPANY** DMG **DRILL METHOD** Hand Auger  
**DRILLER** Dan/Neil **LOG BY** Dan Louks

| DEPTH (FEET) | WELL CONST |      | PID (PPM) | SAMPLES |      | SOIL CLASS (USCS) | DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)   |
|--------------|------------|------|-----------|---------|------|-------------------|--|
|              | PIPE       | FILL |           | NUMBER  | BLOW |                   |  |
| 0-4          |            |      |           |         |      | CL                | <p>Silty CLAY; brown, low plasticity, trace fine gravel, no odor.</p> <p>Install soil gas probe SG3 with tip set at 4 feet bgs. Install filter pack around sample tip and seal with bentonite and neat cement to surface. Remove after sampling on October 1, 2020</p> |

# DRILL/LITHOLOGIC LOG



Environmental Sciences & Inspection Services

**BORING/WELL NUMBER** SG4

**PROJECT** Auto Repair Center

**OWNER** \_\_\_\_\_

**LOCATION** 1011 Grand Avenue, San Diego, CA

**PROJECT NUMBER** \_\_\_\_\_

**DATE DRILLED** September 30, 2020

**TOTAL DEPTH OF HOLE** 8 Feet

**SURFACE ELEVATION** \_\_\_\_\_

**DEPTH TO WATER** \_\_\_\_\_

**SCREEN: DIA.** \_\_\_\_\_ **LENGTH** \_\_\_\_\_ **SLOT SIZE** \_\_\_\_\_

**CASING: DIA.** \_\_\_\_\_ **LENGTH** \_\_\_\_\_ **TYPE** \_\_\_\_\_

**DRILLING COMPANY** DMG **DRILL METHOD** Hand Auger

**DRILLER** Dan/Neil **LOG BY** Dan Louks

| DEPTH (FEET) | WELL CONST |      | PID (PPM) | SAMPLES |      | SOIL CLASS (USCS) | DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)  |
|--------------|------------|------|-----------|---------|------|-------------------|---|
|              | PIPE       | FILL |           | NUMBER  | BLOW |                   |   |
| 0-4          |            |      |           |         |      | CL                | Silty CLAY; brown, medium plasticity, stiff, no odor.   |
| 4-6          |            |      |           |         |      | CL                | Silty Sandy CLAY; brown, low plasticity, very fine sand, no odor.   |
| 6-8          |            |      |           |         |      | SW                | SAND; light gray, very fine to medium grained, poorly sorted, 5% fine gravel, no odor.  |
|              |            |      |           |         |      |                   | Install soil gas probe SG4 with tip set at 8 feet bgs. Install filter pack around sample tip and seal with bentonite and neat cement to surface. Remove after sampling on October 1, 2020 |

# DRILL/LITHOLOGIC LOG



Environmental Sciences & Inspection Services

BORING/WELL NUMBER SG5

PROJECT Auto Repair Center

OWNER \_\_\_\_\_

LOCATION 1011 Grand Avenue, San Diego, CA

PROJECT NUMBER \_\_\_\_\_

DATE DRILLED September 30, 2020

TOTAL DEPTH OF HOLE 8 Feet

SURFACE ELEVATION \_\_\_\_\_

DEPTH TO WATER \_\_\_\_\_

SCREEN: DIA. \_\_\_\_\_ LENGTH \_\_\_\_\_

SLOT SIZE \_\_\_\_\_

CASING: DIA. \_\_\_\_\_ LENGTH \_\_\_\_\_

TYPE \_\_\_\_\_

DRILLING COMPANY DMG

DRILL METHOD Hand Auger

DRILLER Dan/Neil

LOG BY Dan Louks

| DEPTH (FEET) | WELL CONST |      | PID (PPM) | SAMPLES |      | SOIL CLASS (USCS) | DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)  |
|--------------|------------|------|-----------|---------|------|-------------------|---|
|              | PIPE       | FILL |           | NUMBER  | BLOW |                   |   |
| 0-5          |            |      |           |         |      | CL                | Silty CLAY; brown, medium plasticity, stiff, no odor.   |
| 6            |            |      |           |         |      | SM                | Silty SAND; reddish brown, very fine grained, some clay, no odor.   |
| 6-8          |            |      |           |         |      | SP                | SAND; reddish brown, very fine grained, well sorted, no odor.   |
|              |            |      |           |         |      |                   | Install soil gas probe SG5 with tip set at 8 feet bgs. Install filter pack around sample tip and seal with bentonite and neat cement to surface. Remove after sampling on October 1, 2020 |

# DRILL/LITHOLOGIC LOG



Environmental Sciences & Inspection Services

**BORING/WELL NUMBER** SG6

**PROJECT** Auto Repair Center

**OWNER** \_\_\_\_\_

**LOCATION** 1011 Grand Avenue, San Diego, CA

**PROJECT NUMBER** \_\_\_\_\_

**DATE DRILLED** September 30, 2020

**TOTAL DEPTH OF HOLE** 8 Feet

**SURFACE ELEVATION** \_\_\_\_\_

**DEPTH TO WATER** \_\_\_\_\_

**SCREEN: DIA.** \_\_\_\_\_ **LENGTH** \_\_\_\_\_ **SLOT SIZE** \_\_\_\_\_

**CASING: DIA.** \_\_\_\_\_ **LENGTH** \_\_\_\_\_ **TYPE** \_\_\_\_\_

**DRILLING COMPANY** DMG **DRILL METHOD** Hand Auger

**DRILLER** Dan/Neil **LOG BY** Dan Louks

| DEPTH (FEET) | WELL CONST |      | PID (PPM) | SAMPLES |      | SOIL CLASS (USCS) | DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)  |
|--------------|------------|------|-----------|---------|------|-------------------|---|
|              | PIPE       | FILL |           | NUMBER  | BLOW |                   |   |
| 0-5          |            |      |           |         |      | CL                | Silty CLAY; brown, medium plasticity, stiff, no odor.   |
| 5-7          |            |      |           |         |      | ML                | Clayey SILT; reddish brown, low plasticity, some very fine sand, no odor.   |
| 8            |            |      |           |         |      | SM                | Silty SAND; reddish brown, very fine grained, loose, no odor.   |
|              |            |      |           |         |      |                   | Install soil gas probe SG6 with tip set at 8 feet bgs. Install filter pack around sample tip and seal with bentonite and neat cement to surface. Remove after sampling on October 1, 2020 |

# DRILL/LITHOLOGIC LOG



Environmental Sciences & Inspection Services

**BORING/WELL NUMBER** SG7

**PROJECT** Auto Repair Center

**OWNER** \_\_\_\_\_

**LOCATION** 1011 Grand Avenue, San Diego, CA

**PROJECT NUMBER** \_\_\_\_\_

**DATE DRILLED** September 30, 2020

**TOTAL DEPTH OF HOLE** 8 Feet

**SURFACE ELEVATION** \_\_\_\_\_

**DEPTH TO WATER** \_\_\_\_\_

**SCREEN: DIA.** \_\_\_\_\_ **LENGTH** \_\_\_\_\_ **SLOT SIZE** \_\_\_\_\_

**CASING: DIA.** \_\_\_\_\_ **LENGTH** \_\_\_\_\_ **TYPE** \_\_\_\_\_

**DRILLING COMPANY** DMG **DRILL METHOD** Hand Auger

**DRILLER** Dan/Neil **LOG BY** Dan Louks

| DEPTH (FEET) | WELL CONST |      | PID (PPM) | SAMPLES |      | SOIL CLASS (USCS) | DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)  |
|--------------|------------|------|-----------|---------|------|-------------------|---|
|              | PIPE       | FILL |           | NUMBER  | BLOW |                   |   |
| 0-5          |            |      |           |         |      | CL                | Silty CLAY; brown, medium plasticity, stiff, no odor.   |
| 5-7          |            |      |           |         |      | CL                | Sandy CLAY; reddish brown, low plasticity, very fine grained sand, no odor.   |
| 8            |            |      |           |         |      | SP                | SAND; reddish brown, very fine grained, well sorted, no odor.   |
|              |            |      |           |         |      |                   | Install soil gas probe SG7 with tip set at 8 feet bgs. Install filter pack around sample tip and seal with bentonite and neat cement to surface. Remove after sampling on October 1, 2020 |

# DRILL/LITHOLOGIC LOG



Environmental Sciences & Inspection Services

**BORING/WELL NUMBER** SG8

**PROJECT** Auto Repair Center

**OWNER** \_\_\_\_\_

**LOCATION** 1011 Grand Avenue, San Diego, CA

**PROJECT NUMBER** \_\_\_\_\_

**DATE DRILLED** September 30, 2020

**TOTAL DEPTH OF HOLE** 6 Feet

**SURFACE ELEVATION** \_\_\_\_\_

**DEPTH TO WATER** \_\_\_\_\_

**SCREEN: DIA.** \_\_\_\_\_ **LENGTH** \_\_\_\_\_

**SLOT SIZE** \_\_\_\_\_

**CASING: DIA.** \_\_\_\_\_ **LENGTH** \_\_\_\_\_

**TYPE** \_\_\_\_\_

**DRILLING COMPANY** DMG

**DRILL METHOD** Hand Auger

**DRILLER** Dan/Neil

**LOG BY** Dan Louks

| DEPTH (FEET) | WELL CONST |      | PID (PPM) | SAMPLES |      | SOIL CLASS (USCS) | DESCRIPTION/SOIL CLASSIFICATION (COLOR, TEXTURE, STRUCTURES)   |
|--------------|------------|------|-----------|---------|------|-------------------|--|
|              | PIPE       | FILL |           | NUMBER  | BLOW |                   |  |
| 0-4          |            |      |           |         |      | SW                | BACKFILL. Gravelly SAND; no odor,  |
| 5            |            |      |           |         |      | CL                | Silty CLAY; brown, medium plasticity, moist, no odor.  |
| 6            |            |      |           |         |      | SW                | Gravelly SAND; brown, very fine to coarse grained, poorly sorted, no odor.<br><br>Changes to Pea GRAVEL<br><br>Install soil gas probe SG8 with tip set at 6 feet bgs. Install filter pack around sample tip and seal with bentonite and neat cement to surface. Remove after sampling on October 1, 2020 |



## **APPENDIX B**

# SOIL GAS PURGING DATA FORM

**PROJECT:** Auto Repair Center  
**LOCATION:** 1011 Grand Avenue, San Diego, CA  
**DATE:** October 1, 2020

|                                     | VAPOR PROBE INFO |      |      |      |      |      |      |      |
|-------------------------------------|------------------|------|------|------|------|------|------|------|
| PROBE ID                            | SG1              | SG2  | SG3  | SG4  | SG5  | SG6  | SG7  | SG8  |
| PROBE DEPTH (ft)                    | 8                | 5    | 4    | 8    | 8    | 8    | 8    | 6    |
|                                     | EXTRACTION DATA  |      |      |      |      |      |      |      |
| Applied Vacuum (in. WC)             | <5.0             | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| FLOW (L/min)                        | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  | 0.2  |
| Pore Volumes (borehole - sand pack) | 3                | 3    | 3    | 3    | 3    | 3    | 3    | 3    |
|                                     | MONITORING DATA  |      |      |      |      |      |      |      |
| OXYGEN (%)                          | 16.6             | 17.4 | 17.9 | 16.6 | 16.5 | 15.8 | 15.7 | 16.0 |
| CARBON DIOXIDE (%)                  | 3.95             | 1.70 | 1.0  | 3.14 | 3.67 | >5   | >5   | >5   |
| VOC by PID (ppm)                    | 0.0              | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| Methane (% LEL)                     | 0                | 0    | 0    | 0    | 0    | 0    | 0    | 0    |

|                                     | VAPOR PROBE INFO |  |  |  |  |  |  |  |
|-------------------------------------|------------------|--|--|--|--|--|--|--|
| PROBE ID                            |                  |  |  |  |  |  |  |  |
| PROBE DEPTH (ft)                    |                  |  |  |  |  |  |  |  |
|                                     | EXTRACTION DATA  |  |  |  |  |  |  |  |
| Applied Vacuum (in. WC)             |                  |  |  |  |  |  |  |  |
| FLOW (L/min)                        |                  |  |  |  |  |  |  |  |
| Pore Volumes (borehole - sand pack) |                  |  |  |  |  |  |  |  |
|                                     | MONITORING DATA  |  |  |  |  |  |  |  |
| OXYGEN (%)                          |                  |  |  |  |  |  |  |  |
| CARBON DIOXIDE (%)                  |                  |  |  |  |  |  |  |  |
| VOC by PID (ppm)                    |                  |  |  |  |  |  |  |  |

**REMARKS:** \_\_\_\_\_  
**SAMPLED BY:** DL

## **APPENDIX C**



# A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C  
 ONTARIO, CA 91761  
 951-779-0310  
 www.arlaboratories.com

FAX 951-779-0344  
 office@arlaboratories.com

|          |         |
|----------|---------|
| FDA#     | 2030513 |
| LA City# | 10261   |
| ELAP#s   | 2789    |
|          | 2790    |
|          | 2122    |

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 FOOD · COSMETICS · WATER · SOIL · SOIL VAPOR · WASTES

## CASE NARRATIVE

|  |  |
|--|--|
| Authorized Signature Name / Title (print)        | Ken Zheng, President   |
| Signature / Date                                 | <i>Ken Zheng</i> Ken Zheng, President<br>10/02/2020 10:19:56 |
| Laboratory Job No. (Certificate of Analysis No.) | 2010-00004   |
| Project Name / No.                               | FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO                 |
| Dates Sampled (from/to)                          | 10/01/20 To 10/01/20   |
| Dates Received (from/to)                         | 10/01/20 To 10/01/20   |
| Dates Reported (from/to)                         | 10/02/20 To 10/2/2020  |
| Chains of Custody Received                       | Yes  |

Comments:

**Subcontracting**  
 Organic Analyses  
 No analyses sub-contracted

**Sample Condition(s)**  
 All samples intact

| Positive Results (Organic Compounds) |                   |        |      |       |      |        |                   |        |      |       |      |
|--------------------------------------|-------------------|--------|------|-------|------|--------|-------------------|--------|------|-------|------|
| Sample                               | Analyte           | Result | Qual | Units | RL   | Sample | Analyte           | Result | Qual | Units | RL   |
| SG1-8                                | Styrene           | 0.16   |      | µg/L  | 0.10 | SG1-8  | Tetrachloroethene | 0.31   |      | µg/L  | 0.10 |
| SG1-8                                | Toluene           | 0.13   |      | µg/L  | 0.10 | SG2-5  | Styrene           | 0.20   |      | µg/L  | 0.10 |
| SG2-5                                | Tetrachloroethene | 0.44   |      | µg/L  | 0.10 | SG2-5  | Toluene           | 0.15   |      | µg/L  | 0.10 |
| SG3-4                                | Styrene           | 0.20   |      | µg/L  | 0.10 | SG4-8  | Styrene           | 0.18   |      | µg/L  | 0.10 |
| SG4-8                                | Tetrachloroethene | 0.65   |      | µg/L  | 0.10 | SG4-8  | Toluene           | 0.12   |      | µg/L  | 0.10 |
| SG5-8                                | Styrene           | 0.18   |      | µg/L  | 0.10 | SG5-8  | Tetrachloroethene | 0.96   |      | µg/L  | 0.10 |
| SG5-8                                | Toluene           | 0.15   |      | µg/L  | 0.10 | SG6-8  | Styrene           | 0.19   |      | µg/L  | 0.10 |
| SG6-8                                | Tetrachloroethene | 1.0    |      | µg/L  | 0.10 | SG6-8  | Toluene           | 0.15   |      | µg/L  | 0.10 |
| SG7-8                                | Styrene           | 0.16   |      | µg/L  | 0.10 | SG7-8  | Tetrachloroethene | 0.85   |      | µg/L  | 0.10 |
| SG7-8                                | Toluene           | 0.11   |      | µg/L  | 0.10 | SG8-6  | Styrene           | 0.17   |      | µg/L  | 0.10 |
| SG8-6                                | Tetrachloroethene | 0.72   |      | µg/L  | 0.10 | SG8-6  | Toluene           | 0.11   |      | µg/L  | 0.10 |



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## CERTIFICATE OF ANALYSIS

2010-00004

**D.M.G. CORP**  
**DAN LOUKS**  
**1278 GLENNEYRE ST., #410**  
**LAGUNA BEACH, CA 92651**

Date Reported 10/02/20  
Date Received 10/01/20  
Invoice No. 89861  
Cust # G073  
Permit Number  
Customer P.O.

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result | Qual | Units | Method    | DF  | RL    | Date                                 | Tech |
|----------------------------------|--------|------|-------|-----------|-----|-------|--------------------------------------|------|
| Sample: 001 <b>SG1-8</b>         |        |      |       |           |     |       | Date & Time Sampled: 10/01/20 @ 9:50 |      |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |     |       |                                      |      |
| [VOCs by GCMS]                   |        |      |       |           |     |       |                                      |      |
| Acetone                          | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                             | SR   |
| t-Amyl Methyl Ether (TAME)       | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Benzene                          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Bromobenzene                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Bromochloromethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Bromodichloromethane             | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Bromoform                        | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Bromomethane                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| t-Butanol (TBA)                  | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                             | SR   |
| 2-Butanone (MEK)                 | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                             | SR   |
| n-Butylbenzene                   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| sec-Butylbenzene                 | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| tert-Butylbenzene                | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Carbon Disulfide                 | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                             | SR   |
| Carbon Tetrachloride             | <0.050 |      | µg/L  | EPA 8260B | 1.0 | 0.050 | 10/01/20                             | SR   |
| Chlorobenzene                    | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Chloroethane                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Chloroform                       | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Chloromethane                    | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 2-Chlorotoluene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 4-Chlorotoluene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Dibromochloromethane             | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,2-Dibromoethane (EDB)          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,2-Dibromo-3-Chloropropane      | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Dibromomethane                   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,2-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,3-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,4-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Dichlorodifluoromethane          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,1-Dichloroethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,2-Dichloroethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |

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| FDA#     | 2030513 |
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2010-00004

**D.M.G. CORP**  
**DAN LOUKS**  
**1278 GLENNEYRE ST., #410**  
**LAGUNA BEACH, CA 92651**

Date Reported 10/02/20  
Date Received 10/01/20  
Invoice No. 89861  
Cust # G073  
Permit Number  
Customer P.O.

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result      | Qual | Units | Method    | DF  | RL    | Date                                 | Tech |
|----------------------------------|-------------|------|-------|-----------|-----|-------|--------------------------------------|------|
| Sample: 001 <b>SG1-8</b>         |             |      |       |           |     |       | Date & Time Sampled: 10/01/20 @ 9:50 |      |
| Sample Matrix: <b>Soil Vapor</b> |             |      |       |           |     |       |                                      |      |
| .....continued                   |             |      |       |           |     |       |                                      |      |
| 1,1-Dichloroethene               | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| cis-1,2-Dichloroethene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| trans-1,2-Dichloroethene         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,2-Dichloropropane              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,3-Dichloropropane              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 2,2-Dichloropropane              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,1-Dichloropropene              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| cis-1,3-Dichloropropene          | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| trans-1,3-Dichloropropene        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Diisopropyl Ether (DiPE)         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Ethylbenzene                     | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Ethyl-t-Butyl Ether (EtBE)       | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Hexachlorobutadiene              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 2-Hexanone                       | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                             | SR   |
| Isopropylbenzene                 | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 4-Isopropyltoluene               | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Methylene Chloride               | <0.1        |      | µg/L  | EPA 8260B | 1.0 | 0.1   | 10/01/20                             | SR   |
| 4-Methyl-2-Pentanone (MIBK)      | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                             | SR   |
| Methyl-t-butyl Ether (MtBE)      | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Naphthalene                      | <0.050      |      | µg/L  | EPA 8260B | 1.0 | 0.050 | 10/01/20                             | SR   |
| n-Propylbenzene                  | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Styrene                          | <b>0.16</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,1,1,2-Tetrachloroethane        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,1,1,2,2-Tetrachloroethane      | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Tetrachloroethene                | <b>0.31</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Toluene                          | <b>0.13</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,2,3-Trichlorobenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,2,4-Trichlorobenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,1,1-Trichloroethane            | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,1,2-Trichloroethane            | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Trichloroethene                  | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |

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## CERTIFICATE OF ANALYSIS

2010-00004

**D.M.G. CORP**  
**DAN LOUKS**  
**1278 GLENNEYRE ST., #410**  
**LAGUNA BEACH, CA 92651**

Date Reported 10/02/20  
Date Received 10/01/20  
Invoice No. 89861  
Cust # G073  
Permit Number  
Customer P.O.

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result | Qual | Units | Method    | DF  | RL     | Date                                 | Tech |
|----------------------------------|--------|------|-------|-----------|-----|--------|--------------------------------------|------|
| Sample: 001 <b>SG1-8</b>         |        |      |       |           |     |        | Date & Time Sampled: 10/01/20 @ 9:50 |      |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |     |        |                                      |      |
| .....continued                   |        |      |       |           |     |        |                                      |      |
| 1,2,3-Trichloropropane           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Trichlorofluoromethane           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Trichlorotrifluoroethane         | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 1,2,4-Trimethylbenzene           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 1,3,5-Trimethylbenzene           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Vinyl Chloride                   | <0.050 |      | µg/L  | EPA 8260B | 1.0 | 0.050  | 10/01/20                             | SR   |
| m,p-Xylenes                      | <0.20  |      | µg/L  | EPA 8260B | 1.0 | 0.20   | 10/01/20                             | SR   |
| o-Xylene                         | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| [VOC Vapor Sampling Tracer]      |        |      |       |           |     |        |                                      |      |
| Isopropanol (IPA)                | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                             | SR   |
| [VOC Surrogates]                 |        |      |       |           |     |        |                                      |      |
| Dibromofluoromethane             | 105    |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                             | SR   |
| Toluene-D8                       | 96     |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                             | SR   |
| Bromofluorobenzene               | 102    |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                             | SR   |
| Sample: 002 <b>SG2-5</b>         |        |      |       |           |     |        | Date & Time Sampled: 10/01/20 @ 9:40 |      |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |     |        |                                      |      |
| [VOCs by GCMS]                   |        |      |       |           |     |        |                                      |      |
| Acetone                          | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                             | SR   |
| t-Amyl Methyl Ether (TAME)       | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Benzene                          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Bromobenzene                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Bromochloromethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Bromodichloromethane             | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Bromoform                        | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Bromomethane                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| t-Butanol (TBA)                  | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                             | SR   |
| 2-Butanone (MEK)                 | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                             | SR   |
| n-Butylbenzene                   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| sec-Butylbenzene                 | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| tert-Butylbenzene                | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |

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1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

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| FDA#     | 2030513 |
| LA City# | 10261   |
| ELAP#s   | 2789    |
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## CERTIFICATE OF ANALYSIS

2010-00004

**D.M.G. CORP**  
**DAN LOUKS**  
**1278 GLENNEYRE ST., #410**  
**LAGUNA BEACH, CA 92651**

Date Reported 10/02/20  
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Invoice No. 89861  
Cust # G073  
Permit Number  
Customer P.O.

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result | Qual | Units | Method    | DF  | RL    | Date                                 | Tech |
|----------------------------------|--------|------|-------|-----------|-----|-------|--------------------------------------|------|
| Sample: 002 <b>SG2-5</b>         |        |      |       |           |     |       | Date & Time Sampled: 10/01/20 @ 9:40 |      |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |     |       |                                      |      |
| .....continued                   |        |      |       |           |     |       |                                      |      |
| Carbon Disulfide                 | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                             | SR   |
| Carbon Tetrachloride             | <0.050 |      | µg/L  | EPA 8260B | 1.0 | 0.050 | 10/01/20                             | SR   |
| Chlorobenzene                    | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Chloroethane                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Chloroform                       | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Chloromethane                    | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 2-Chlorotoluene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 4-Chlorotoluene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Dibromochloromethane             | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,2-Dibromoethane (EDB)          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,2-Dibromo-3-Chloropropane      | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Dibromomethane                   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,2-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,3-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,4-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Dichlorodifluoromethane          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,1-Dichloroethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,2-Dichloroethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,1-Dichloroethene               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| cis-1,2-Dichloroethene           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| trans-1,2-Dichloroethene         | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,2-Dichloropropane              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,3-Dichloropropane              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 2,2-Dichloropropane              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,1-Dichloropropene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| cis-1,3-Dichloropropene          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| trans-1,3-Dichloropropene        | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Diisopropyl Ether (DiPE)         | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Ethylbenzene                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Ethyl-t-Butyl Ether (EtBE)       | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Hexachlorobutadiene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |

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**LAGUNA BEACH, CA 92651**

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Date Received 10/01/20  
Invoice No. 89861  
Cust # G073  
Permit Number  
Customer P.O.

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result      | Qual | Units | Method    | DF  | RL     | Date                                 | Tech |
|----------------------------------|-------------|------|-------|-----------|-----|--------|--------------------------------------|------|
| Sample: 002 <b>SG2-5</b>         |             |      |       |           |     |        | Date & Time Sampled: 10/01/20 @ 9:40 |      |
| Sample Matrix: <b>Soil Vapor</b> |             |      |       |           |     |        |                                      |      |
| .....continued                   |             |      |       |           |     |        |                                      |      |
| 2-Hexanone                       | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                             | SR   |
| Isopropylbenzene                 | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 4-Isopropyltoluene               | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Methylene Chloride               | <0.1        |      | µg/L  | EPA 8260B | 1.0 | 0.1    | 10/01/20                             | SR   |
| 4-Methyl-2-Pentanone (MIBK)      | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                             | SR   |
| Methyl-t-butyl Ether (MtBE)      | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Naphthalene                      | <0.050      |      | µg/L  | EPA 8260B | 1.0 | 0.050  | 10/01/20                             | SR   |
| n-Propylbenzene                  | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Styrene                          | <b>0.20</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 1,1,1,2-Tetrachloroethane        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 1,1,2,2-Tetrachloroethane        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Tetrachloroethene                | <b>0.44</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Toluene                          | <b>0.15</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 1,2,3-Trichlorobenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 1,2,4-Trichlorobenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 1,1,1-Trichloroethane            | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 1,1,2-Trichloroethane            | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Trichloroethene                  | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 1,2,3-Trichloropropane           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Trichlorofluoromethane           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Trichlorotrifluoroethane         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 1,2,4-Trimethylbenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 1,3,5-Trimethylbenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Vinyl Chloride                   | <0.050      |      | µg/L  | EPA 8260B | 1.0 | 0.050  | 10/01/20                             | SR   |
| m,p-Xylenes                      | <0.20       |      | µg/L  | EPA 8260B | 1.0 | 0.20   | 10/01/20                             | SR   |
| o-Xylene                         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| [VOC Vapor Sampling Tracer]      |             |      |       |           |     |        |                                      |      |
| Isopropanol (IPA)                | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                             | SR   |
| [VOC Surrogates]                 |             |      |       |           |     |        |                                      |      |
| Dibromofluoromethane             | 106         |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                             | SR   |
| Toluene-D8                       | 95          |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                             | SR   |

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**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis   | Result | Qual | Units | Method    | DF  | RL     | Date                                 | Tech |
|--|--------|------|-------|-----------|-----|--------|--------------------------------------|------|
| Sample: 002 <b>SG2-5</b><br>Sample Matrix: <b>Soil Vapor</b><br>.....continued |        |      |       |           |     |        | Date & Time Sampled: 10/01/20 @ 9:40 |      |
| Bromofluorobenzene   | 100    |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                             | SR   |
| Sample: 003 <b>SG3-4</b><br>Sample Matrix: <b>Soil Vapor</b>                   |        |      |       |           |     |        | Date & Time Sampled: 10/01/20 @ 9:30 |      |
| [VOCs by GCMS]   |        |      |       |           |     |        |                                      |      |
| Acetone  | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                             | SR   |
| t-Amyl Methyl Ether (TAME)   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Benzene  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Bromobenzene   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Bromochloromethane   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Bromodichloromethane   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Bromoform  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Bromomethane   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| t-Butanol (TBA)  | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                             | SR   |
| 2-Butanone (MEK)   | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                             | SR   |
| n-Butylbenzene   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| sec-Butylbenzene   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| tert-Butylbenzene  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Carbon Disulfide   | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                             | SR   |
| Carbon Tetrachloride   | <0.050 |      | µg/L  | EPA 8260B | 1.0 | 0.050  | 10/01/20                             | SR   |
| Chlorobenzene  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Chloroethane   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Chloroform   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Chloromethane  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 2-Chlorotoluene  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 4-Chlorotoluene  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Dibromochloromethane   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 1,2-Dibromoethane (EDB)  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 1,2-Dibromo-3-Chloropropane  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| Dibromomethane   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |
| 1,2-Dichlorobenzene  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                             | SR   |

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Date Received 10/01/20  
Invoice No. 89861  
Cust # G073  
Permit Number  
Customer P.O.

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result      | Qual | Units | Method    | DF  | RL    | Date                                 | Tech |
|----------------------------------|-------------|------|-------|-----------|-----|-------|--------------------------------------|------|
| Sample: 003 <b>SG3-4</b>         |             |      |       |           |     |       | Date & Time Sampled: 10/01/20 @ 9:30 |      |
| Sample Matrix: <b>Soil Vapor</b> |             |      |       |           |     |       |                                      |      |
| .....continued                   |             |      |       |           |     |       |                                      |      |
| 1,3-Dichlorobenzene              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,4-Dichlorobenzene              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Dichlorodifluoromethane          | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,1-Dichloroethane               | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,2-Dichloroethane               | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,1-Dichloroethene               | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| cis-1,2-Dichloroethene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| trans-1,2-Dichloroethene         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,2-Dichloropropane              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,3-Dichloropropane              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 2,2-Dichloropropane              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,1-Dichloropropene              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| cis-1,3-Dichloropropene          | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| trans-1,3-Dichloropropene        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Diisopropyl Ether (DiPE)         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Ethylbenzene                     | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Ethyl-t-Butyl Ether (EtBE)       | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Hexachlorobutadiene              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 2-Hexanone                       | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                             | SR   |
| Isopropylbenzene                 | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 4-Isopropyltoluene               | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Methylene Chloride               | <0.1        |      | µg/L  | EPA 8260B | 1.0 | 0.1   | 10/01/20                             | SR   |
| 4-Methyl-2-Pentanone (MIBK)      | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                             | SR   |
| Methyl-t-butyl Ether (MtBE)      | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Naphthalene                      | <0.050      |      | µg/L  | EPA 8260B | 1.0 | 0.050 | 10/01/20                             | SR   |
| n-Propylbenzene                  | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Styrene                          | <b>0.20</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,1,1,2-Tetrachloroethane        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| 1,1,2,2-Tetrachloroethane        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Tetrachloroethene                | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |
| Toluene                          | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                             | SR   |

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# A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

|          |         |
|----------|---------|
| FDA#     | 2030513 |
| LA City# | 10261   |
| ELAP#s   | 2789    |
|          | 2790    |
|          | 2122    |

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## CERTIFICATE OF ANALYSIS

2010-00004

**D.M.G. CORP**  
**DAN LOUKS**  
**1278 GLENNEYRE ST., #410**  
**LAGUNA BEACH, CA 92651**

Date Reported 10/02/20  
Date Received 10/01/20  
Invoice No. 89861  
Cust # G073  
Permit Number  
Customer P.O.

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result | Qual | Units | Method    | DF  | RL     | Date                                  | Tech |
|----------------------------------|--------|------|-------|-----------|-----|--------|---------------------------------------|------|
| Sample: 003 <b>SG3-4</b>         |        |      |       |           |     |        | Date & Time Sampled: 10/01/20 @ 9:30  |      |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |     |        |                                       |      |
| .....continued                   |        |      |       |           |     |        |                                       |      |
| 1,2,3-Trichlorobenzene           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,2,4-Trichlorobenzene           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,1,1-Trichloroethane            | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,1,2-Trichloroethane            | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Trichloroethene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,2,3-Trichloropropane           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Trichlorofluoromethane           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Trichlorotrifluoroethane         | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,2,4-Trimethylbenzene           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,3,5-Trimethylbenzene           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Vinyl Chloride                   | <0.050 |      | µg/L  | EPA 8260B | 1.0 | 0.050  | 10/01/20                              | SR   |
| m,p-Xylenes                      | <0.20  |      | µg/L  | EPA 8260B | 1.0 | 0.20   | 10/01/20                              | SR   |
| o-Xylene                         | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| [VOC Vapor Sampling Tracer]      |        |      |       |           |     |        |                                       |      |
| Isopropanol (IPA)                | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                              | SR   |
| [VOC Surrogates]                 |        |      |       |           |     |        |                                       |      |
| Dibromofluoromethane             | 102    |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                              | SR   |
| Toluene-D8                       | 96     |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                              | SR   |
| Bromofluorobenzene               | 102    |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                              | SR   |
| Sample: 004 <b>SG4-8</b>         |        |      |       |           |     |        | Date & Time Sampled: 10/01/20 @ 10:00 |      |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |     |        |                                       |      |
| [VOCs by GCMS]                   |        |      |       |           |     |        |                                       |      |
| Acetone                          | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                              | SR   |
| t-Amyl Methyl Ether (TAME)       | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Benzene                          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Bromobenzene                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Bromochloromethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Bromodichloromethane             | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Bromoform                        | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Bromomethane                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |

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|          |         |
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| FDA#     | 2030513 |
| LA City# | 10261   |
| ELAP#s   | 2789    |
|          | 2790    |
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## CERTIFICATE OF ANALYSIS

2010-00004

**D.M.G. CORP**  
**DAN LOUKS**  
**1278 GLENNEYRE ST., #410**  
**LAGUNA BEACH, CA 92651**

Date Reported 10/02/20  
Date Received 10/01/20  
Invoice No. 89861  
Cust # G073  
Permit Number  
Customer P.O.

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result | Qual | Units | Method    | DF  | RL    | Date                                  | Tech |
|----------------------------------|--------|------|-------|-----------|-----|-------|---------------------------------------|------|
| Sample: 004 <b>SG4-8</b>         |        |      |       |           |     |       | Date & Time Sampled: 10/01/20 @ 10:00 |      |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |     |       |                                       |      |
| .....continued                   |        |      |       |           |     |       |                                       |      |
| t-Butanol (TBA)                  | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| 2-Butanone (MEK)                 | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| n-Butylbenzene                   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| sec-Butylbenzene                 | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| tert-Butylbenzene                | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Carbon Disulfide                 | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| Carbon Tetrachloride             | <0.050 |      | µg/L  | EPA 8260B | 1.0 | 0.050 | 10/01/20                              | SR   |
| Chlorobenzene                    | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Chloroethane                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Chloroform                       | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Chloromethane                    | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 2-Chlorotoluene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 4-Chlorotoluene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Dibromochloromethane             | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dibromoethane (EDB)          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dibromo-3-Chloropropane      | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Dibromomethane                   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,3-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,4-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Dichlorodifluoromethane          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1-Dichloroethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dichloroethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1-Dichloroethene               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| cis-1,2-Dichloroethene           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| trans-1,2-Dichloroethene         | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dichloropropane              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,3-Dichloropropane              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 2,2-Dichloropropane              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1-Dichloropropene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| cis-1,3-Dichloropropene          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |

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|          |         |
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| FDA#     | 2030513 |
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## CERTIFICATE OF ANALYSIS

### 2010-00004

**D.M.G. CORP**  
**DAN LOUKS**  
**1278 GLENNEYRE ST., #410**  
**LAGUNA BEACH, CA 92651**

Date Reported 10/02/20  
Date Received 10/01/20  
Invoice No. 89861  
Cust # G073  
Permit Number  
Customer P.O.

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result      | Qual | Units | Method    | DF  | RL    | Date                                  | Tech |
|----------------------------------|-------------|------|-------|-----------|-----|-------|---------------------------------------|------|
| Sample: 004 <b>SG4-8</b>         |             |      |       |           |     |       | Date & Time Sampled: 10/01/20 @ 10:00 |      |
| Sample Matrix: <b>Soil Vapor</b> |             |      |       |           |     |       |                                       |      |
| .....continued                   |             |      |       |           |     |       |                                       |      |
| trans-1,3-Dichloropropene        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Diisopropyl Ether (DiPE)         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Ethylbenzene                     | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Ethyl-t-Butyl Ether (EtBE)       | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Hexachlorobutadiene              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 2-Hexanone                       | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| Isopropylbenzene                 | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 4-Isopropyltoluene               | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Methylene Chloride               | <0.1        |      | µg/L  | EPA 8260B | 1.0 | 0.1   | 10/01/20                              | SR   |
| 4-Methyl-2-Pentanone (MIBK)      | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| Methyl-t-butyl Ether (MtBE)      | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Naphthalene                      | <0.050      |      | µg/L  | EPA 8260B | 1.0 | 0.050 | 10/01/20                              | SR   |
| n-Propylbenzene                  | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Styrene                          | <b>0.18</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1,1,2-Tetrachloroethane        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1,2,2-Tetrachloroethane        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Tetrachloroethene                | <b>0.65</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Toluene                          | <b>0.12</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2,3-Trichlorobenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2,4-Trichlorobenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1,1-Trichloroethane            | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1,2-Trichloroethane            | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Trichloroethene                  | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2,3-Trichloropropane           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Trichlorofluoromethane           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Trichlorotrifluoroethane         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2,4-Trimethylbenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,3,5-Trimethylbenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Vinyl Chloride                   | <0.050      |      | µg/L  | EPA 8260B | 1.0 | 0.050 | 10/01/20                              | SR   |
| m,p-Xylenes                      | <0.20       |      | µg/L  | EPA 8260B | 1.0 | 0.20  | 10/01/20                              | SR   |
| o-Xylene                         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |

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# A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

|          |         |
|----------|---------|
| FDA#     | 2030513 |
| LA City# | 10261   |
| ELAP#s   | 2789    |
|          | 2790    |
|          | 2122    |

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## CERTIFICATE OF ANALYSIS

### 2010-00004

**D.M.G. CORP**  
**DAN LOUKS**  
**1278 GLENNEYRE ST., #410**  
**LAGUNA BEACH, CA 92651**

Date Reported 10/02/20  
Date Received 10/01/20  
Invoice No. 89861  
Cust # G073  
Permit Number  
Customer P.O.

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result | Qual | Units | Method    | DF                   | RL     | Date       | Tech  |
|----------------------------------|--------|------|-------|-----------|----------------------|--------|------------|-------|
| Sample: 004 <b>SG4-8</b>         |        |      |       |           | Date & Time Sampled: |        | 10/01/20 @ | 10:00 |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |                      |        |            |       |
| .....continued                   |        |      |       |           |                      |        |            |       |
| [VOC Vapor Sampling Tracer]      |        |      |       |           |                      |        |            |       |
| Isopropanol (IPA)                | <1.0   |      | µg/L  | EPA 8260B | 1.0                  | 1.0    | 10/01/20   | SR    |
| [VOC Surrogates]                 |        |      |       |           |                      |        |            |       |
| Dibromofluoromethane             | 104    |      | %REC  | EPA 8260B |                      | 70-130 | 10/01/20   | SR    |
| Toluene-D8                       | 95     |      | %REC  | EPA 8260B |                      | 70-130 | 10/01/20   | SR    |
| Bromofluorobenzene               | 99     |      | %REC  | EPA 8260B |                      | 70-130 | 10/01/20   | SR    |
| Sample: 005 <b>SG5-8</b>         |        |      |       |           | Date & Time Sampled: |        | 10/01/20 @ | 10:10 |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |                      |        |            |       |
| [VOCs by GCMS]                   |        |      |       |           |                      |        |            |       |
| Acetone                          | <1.0   |      | µg/L  | EPA 8260B | 1.0                  | 1.0    | 10/01/20   | SR    |
| t-Amyl Methyl Ether (TAME)       | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |
| Benzene                          | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |
| Bromobenzene                     | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |
| Bromochloromethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |
| Bromodichloromethane             | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |
| Bromoform                        | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |
| Bromomethane                     | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |
| t-Butanol (TBA)                  | <1.0   |      | µg/L  | EPA 8260B | 1.0                  | 1.0    | 10/01/20   | SR    |
| 2-Butanone (MEK)                 | <1.0   |      | µg/L  | EPA 8260B | 1.0                  | 1.0    | 10/01/20   | SR    |
| n-Butylbenzene                   | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |
| sec-Butylbenzene                 | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |
| tert-Butylbenzene                | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |
| Carbon Disulfide                 | <1.0   |      | µg/L  | EPA 8260B | 1.0                  | 1.0    | 10/01/20   | SR    |
| Carbon Tetrachloride             | <0.050 |      | µg/L  | EPA 8260B | 1.0                  | 0.050  | 10/01/20   | SR    |
| Chlorobenzene                    | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |
| Chloroethane                     | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |
| Chloroform                       | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |
| Chloromethane                    | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |
| 2-Chlorotoluene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |
| 4-Chlorotoluene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0                  | 0.10   | 10/01/20   | SR    |

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2010-00004

Date Reported 10/02/20

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Invoice No. 89861

Cust # G073

Permit Number

Customer P.O.

D.M.G. CORP

DAN LOUKS

1278 GLENNEYRE ST., #410

LAGUNA BEACH, CA 92651

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result | Qual | Units | Method    | DF  | RL    | Date                                  | Tech |
|----------------------------------|--------|------|-------|-----------|-----|-------|---------------------------------------|------|
| Sample: 005 <b>SG5-8</b>         |        |      |       |           |     |       | Date & Time Sampled: 10/01/20 @ 10:10 |      |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |     |       |                                       |      |
| .....continued                   |        |      |       |           |     |       |                                       |      |
| Dibromochloromethane             | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dibromoethane (EDB)          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dibromo-3-Chloropropane      | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Dibromomethane                   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,3-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,4-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Dichlorodifluoromethane          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1-Dichloroethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dichloroethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1-Dichloroethene               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| cis-1,2-Dichloroethene           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| trans-1,2-Dichloroethene         | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dichloropropane              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,3-Dichloropropane              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 2,2-Dichloropropane              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1-Dichloropropene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| cis-1,3-Dichloropropene          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| trans-1,3-Dichloropropene        | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Diisopropyl Ether (DiPE)         | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Ethylbenzene                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Ethyl-t-Butyl Ether (EtBE)       | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Hexachlorobutadiene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 2-Hexanone                       | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| Isopropylbenzene                 | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 4-Isopropyltoluene               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Methylene Chloride               | <0.1   |      | µg/L  | EPA 8260B | 1.0 | 0.1   | 10/01/20                              | SR   |
| 4-Methyl-2-Pentanone (MIBK)      | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| Methyl-t-butyl Ether (MtBE)      | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Naphthalene                      | <0.050 |      | µg/L  | EPA 8260B | 1.0 | 0.050 | 10/01/20                              | SR   |
| n-Propylbenzene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |

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**LAGUNA BEACH, CA 92651**

Date Reported 10/02/20  
Date Received 10/01/20  
Invoice No. 89861  
Cust # G073  
Permit Number  
Customer P.O.

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result      | Qual | Units | Method    | DF  | RL     | Date                                  | Tech |
|----------------------------------|-------------|------|-------|-----------|-----|--------|---------------------------------------|------|
| Sample: 005 <b>SG5-8</b>         |             |      |       |           |     |        | Date & Time Sampled: 10/01/20 @ 10:10 |      |
| Sample Matrix: <b>Soil Vapor</b> |             |      |       |           |     |        |                                       |      |
| .....continued                   |             |      |       |           |     |        |                                       |      |
| Styrene                          | <b>0.18</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,1,1,2-Tetrachloroethane        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,1,2,2-Tetrachloroethane        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Tetrachloroethene                | <b>0.96</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Toluene                          | <b>0.15</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,2,3-Trichlorobenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,2,4-Trichlorobenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,1,1-Trichloroethane            | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,1,2-Trichloroethane            | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Trichloroethene                  | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,2,3-Trichloropropane           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Trichlorofluoromethane           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Trichlorotrifluoroethane         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,2,4-Trimethylbenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,3,5-Trimethylbenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Vinyl Chloride                   | <0.050      |      | µg/L  | EPA 8260B | 1.0 | 0.050  | 10/01/20                              | SR   |
| m,p-Xylenes                      | <0.20       |      | µg/L  | EPA 8260B | 1.0 | 0.20   | 10/01/20                              | SR   |
| o-Xylene                         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| [VOC Vapor Sampling Tracer]      |             |      |       |           |     |        |                                       |      |
| Isopropanol (IPA)                | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                              | SR   |
| [VOC Surrogates]                 |             |      |       |           |     |        |                                       |      |
| Dibromofluoromethane             | 104         |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                              | SR   |
| Toluene-D8                       | 96          |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                              | SR   |
| Bromofluorobenzene               | 103         |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                              | SR   |

|                                  |       |  |      |           |     |      |                                       |    |
|----------------------------------|-------|--|------|-----------|-----|------|---------------------------------------|----|
| Sample: 006 <b>SG6-8</b>         |       |  |      |           |     |      | Date & Time Sampled: 10/01/20 @ 10:20 |    |
| Sample Matrix: <b>Soil Vapor</b> |       |  |      |           |     |      |                                       |    |
| [VOCs by GCMS]                   |       |  |      |           |     |      |                                       |    |
| Acetone                          | <1.0  |  | µg/L | EPA 8260B | 1.0 | 1.0  | 10/01/20                              | SR |
| t-Amyl Methyl Ether (TAME)       | <0.10 |  | µg/L | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR |
| Benzene                          | <0.10 |  | µg/L | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR |

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DAN LOUKS

1278 GLENNEYRE ST., #410

LAGUNA BEACH, CA 92651

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result | Qual | Units | Method    | DF  | RL    | Date                                  | Tech |
|----------------------------------|--------|------|-------|-----------|-----|-------|---------------------------------------|------|
| Sample: 006 <b>SG6-8</b>         |        |      |       |           |     |       | Date & Time Sampled: 10/01/20 @ 10:20 |      |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |     |       |                                       |      |
| .....continued                   |        |      |       |           |     |       |                                       |      |
| Bromobenzene                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Bromochloromethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Bromodichloromethane             | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Bromoform                        | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Bromomethane                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| t-Butanol (TBA)                  | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| 2-Butanone (MEK)                 | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| n-Butylbenzene                   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| sec-Butylbenzene                 | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| tert-Butylbenzene                | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Carbon Disulfide                 | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| Carbon Tetrachloride             | <0.050 |      | µg/L  | EPA 8260B | 1.0 | 0.050 | 10/01/20                              | SR   |
| Chlorobenzene                    | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Chloroethane                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Chloroform                       | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Chloromethane                    | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 2-Chlorotoluene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 4-Chlorotoluene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Dibromochloromethane             | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dibromoethane (EDB)          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dibromo-3-Chloropropane      | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Dibromomethane                   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,3-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,4-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Dichlorodifluoromethane          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1-Dichloroethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dichloroethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1-Dichloroethene               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| cis-1,2-Dichloroethene           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| trans-1,2-Dichloroethene         | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |

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USDA-EPA-NIOSH Testing Food Sanitation Consulting Chemical and Microbiological Analyses and Research



# A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

|          |         |
|----------|---------|
| FDA#     | 2030513 |
| LA City# | 10261   |
| ELAP#s   | 2789    |
|          | 2790    |
|          | 2122    |

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## CERTIFICATE OF ANALYSIS

2010-00004

**D.M.G. CORP**  
**DAN LOUKS**  
**1278 GLENNEYRE ST., #410**  
**LAGUNA BEACH, CA 92651**

Date Reported 10/02/20  
Date Received 10/01/20  
Invoice No. 89861  
Cust # G073  
Permit Number  
Customer P.O.

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result      | Qual | Units | Method    | DF  | RL    | Date                                  | Tech |
|----------------------------------|-------------|------|-------|-----------|-----|-------|---------------------------------------|------|
| Sample: 006 <b>SG6-8</b>         |             |      |       |           |     |       | Date & Time Sampled: 10/01/20 @ 10:20 |      |
| Sample Matrix: <b>Soil Vapor</b> |             |      |       |           |     |       |                                       |      |
| .....continued                   |             |      |       |           |     |       |                                       |      |
| 1,2-Dichloropropane              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,3-Dichloropropane              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 2,2-Dichloropropane              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1-Dichloropropene              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| cis-1,3-Dichloropropene          | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| trans-1,3-Dichloropropene        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Diisopropyl Ether (DiPE)         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Ethylbenzene                     | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Ethyl-t-Butyl Ether (EtBE)       | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Hexachlorobutadiene              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 2-Hexanone                       | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| Isopropylbenzene                 | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 4-Isopropyltoluene               | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Methylene Chloride               | <0.1        |      | µg/L  | EPA 8260B | 1.0 | 0.1   | 10/01/20                              | SR   |
| 4-Methyl-2-Pentanone (MIBK)      | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| Methyl-t-butyl Ether (MtBE)      | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Naphthalene                      | <0.050      |      | µg/L  | EPA 8260B | 1.0 | 0.050 | 10/01/20                              | SR   |
| n-Propylbenzene                  | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Styrene                          | <b>0.19</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1,1,2-Tetrachloroethane        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1,2,2-Tetrachloroethane        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Tetrachloroethene                | <b>1.0</b>  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Toluene                          | <b>0.15</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2,3-Trichlorobenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2,4-Trichlorobenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1,1-Trichloroethane            | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1,2-Trichloroethane            | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Trichloroethene                  | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2,3-Trichloropropane           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Trichlorofluoromethane           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Trichlorotrifluoroethane         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |

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| FDA#     | 2030513 |
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## CERTIFICATE OF ANALYSIS

### 2010-00004

Date Reported 10/02/20

Date Received 10/01/20

Invoice No. 89861

Cust # G073

Permit Number

Customer P.O.

D.M.G. CORP

DAN LOUKS

1278 GLENNEYRE ST., #410

LAGUNA BEACH, CA 92651

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result | Qual | Units | Method    | DF  | RL     | Date                                  | Tech |
|----------------------------------|--------|------|-------|-----------|-----|--------|---------------------------------------|------|
| Sample: 006 <b>SG6-8</b>         |        |      |       |           |     |        | Date & Time Sampled: 10/01/20 @ 10:20 |      |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |     |        |                                       |      |
| .....continued                   |        |      |       |           |     |        |                                       |      |
| 1,2,4-Trimethylbenzene           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,3,5-Trimethylbenzene           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Vinyl Chloride                   | <0.050 |      | µg/L  | EPA 8260B | 1.0 | 0.050  | 10/01/20                              | SR   |
| m,p-Xylenes                      | <0.20  |      | µg/L  | EPA 8260B | 1.0 | 0.20   | 10/01/20                              | SR   |
| o-Xylene                         | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| [VOC Vapor Sampling Tracer]      |        |      |       |           |     |        |                                       |      |
| Isopropanol (IPA)                | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                              | SR   |
| [VOC Surrogates]                 |        |      |       |           |     |        |                                       |      |
| Dibromofluoromethane             | 105    |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                              | SR   |
| Toluene-D8                       | 96     |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                              | SR   |
| Bromofluorobenzene               | 104    |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                              | SR   |
| Sample: 007 <b>SG7-8</b>         |        |      |       |           |     |        | Date & Time Sampled: 10/01/20 @ 10:30 |      |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |     |        |                                       |      |
| [VOCs by GCMS]                   |        |      |       |           |     |        |                                       |      |
| Acetone                          | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                              | SR   |
| t-Amyl Methyl Ether (TAME)       | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Benzene                          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Bromobenzene                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Bromochloromethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Bromodichloromethane             | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Bromoform                        | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Bromomethane                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| t-Butanol (TBA)                  | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                              | SR   |
| 2-Butanone (MEK)                 | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                              | SR   |
| n-Butylbenzene                   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| sec-Butylbenzene                 | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| tert-Butylbenzene                | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Carbon Disulfide                 | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                              | SR   |
| Carbon Tetrachloride             | <0.050 |      | µg/L  | EPA 8260B | 1.0 | 0.050  | 10/01/20                              | SR   |
| Chlorobenzene                    | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |

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### 2010-00004

**D.M.G. CORP**  
**DAN LOUKS**  
**1278 GLENNEYRE ST., #410**  
**LAGUNA BEACH, CA 92651**

Date Reported 10/02/20  
Date Received 10/01/20  
Invoice No. 89861  
Cust # G073  
Permit Number  
Customer P.O.

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result | Qual | Units | Method    | DF  | RL   | Date                                  | Tech |
|----------------------------------|--------|------|-------|-----------|-----|------|---------------------------------------|------|
| Sample: 007 <b>SG7-8</b>         |        |      |       |           |     |      | Date & Time Sampled: 10/01/20 @ 10:30 |      |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |     |      |                                       |      |
| .....continued                   |        |      |       |           |     |      |                                       |      |
| Chloroethane                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| Chloroform                       | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| Chloromethane                    | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 2-Chlorotoluene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 4-Chlorotoluene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| Dibromochloromethane             | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 1,2-Dibromoethane (EDB)          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 1,2-Dibromo-3-Chloropropane      | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| Dibromomethane                   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 1,2-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 1,3-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 1,4-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| Dichlorodifluoromethane          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 1,1-Dichloroethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 1,2-Dichloroethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 1,1-Dichloroethene               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| cis-1,2-Dichloroethene           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| trans-1,2-Dichloroethene         | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 1,2-Dichloropropane              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 1,3-Dichloropropane              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 2,2-Dichloropropane              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 1,1-Dichloropropene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| cis-1,3-Dichloropropene          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| trans-1,3-Dichloropropene        | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| Diisopropyl Ether (DiPE)         | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| Ethylbenzene                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| Ethyl-t-Butyl Ether (EtBE)       | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| Hexachlorobutadiene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 2-Hexanone                       | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0  | 10/01/20                              | SR   |
| Isopropylbenzene                 | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |
| 4-Isopropyltoluene               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10 | 10/01/20                              | SR   |

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**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result      | Qual | Units | Method    | DF  | RL     | Date                                  | Tech |
|----------------------------------|-------------|------|-------|-----------|-----|--------|---------------------------------------|------|
| Sample: 007 <b>SG7-8</b>         |             |      |       |           |     |        | Date & Time Sampled: 10/01/20 @ 10:30 |      |
| Sample Matrix: <b>Soil Vapor</b> |             |      |       |           |     |        |                                       |      |
| .....continued                   |             |      |       |           |     |        |                                       |      |
| Methylene Chloride               | <0.1        |      | µg/L  | EPA 8260B | 1.0 | 0.1    | 10/01/20                              | SR   |
| 4-Methyl-2-Pentanone (MIBK)      | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                              | SR   |
| Methyl-t-butyl Ether (MtBE)      | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Naphthalene                      | <0.050      |      | µg/L  | EPA 8260B | 1.0 | 0.050  | 10/01/20                              | SR   |
| n-Propylbenzene                  | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Styrene                          | <b>0.16</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,1,1,2-Tetrachloroethane        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,1,2,2-Tetrachloroethane        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Tetrachloroethene                | <b>0.85</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Toluene                          | <b>0.11</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,2,3-Trichlorobenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,2,4-Trichlorobenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,1,1-Trichloroethane            | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,1,2-Trichloroethane            | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Trichloroethene                  | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,2,3-Trichloropropane           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Trichlorofluoromethane           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Trichlorotrifluoroethane         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,2,4-Trimethylbenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,3,5-Trimethylbenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Vinyl Chloride                   | <0.050      |      | µg/L  | EPA 8260B | 1.0 | 0.050  | 10/01/20                              | SR   |
| m,p-Xylenes                      | <0.20       |      | µg/L  | EPA 8260B | 1.0 | 0.20   | 10/01/20                              | SR   |
| o-Xylene                         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| [VOC Vapor Sampling Tracer]      |             |      |       |           |     |        |                                       |      |
| Isopropanol (IPA)                | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                              | SR   |
| [VOC Surrogates]                 |             |      |       |           |     |        |                                       |      |
| Dibromofluoromethane             | 106         |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                              | SR   |
| Toluene-D8                       | 95          |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                              | SR   |
| Bromofluorobenzene               | 104         |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                              | SR   |

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# A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C

ONTARIO, CA 91761

951-779-0310

www.arlaboratories.com

FAX 951-779-0344

office@arlaboratories.com

|          |         |
|----------|---------|
| FDA#     | 2030513 |
| LA City# | 10261   |
| ELAP#s   | 2789    |
|          | 2790    |
|          | 2122    |

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## CERTIFICATE OF ANALYSIS

### 2010-00004

**D.M.G. CORP**  
**DAN LOUKS**  
**1278 GLENNEYRE ST., #410**  
**LAGUNA BEACH, CA 92651**

Date Reported 10/02/20  
Date Received 10/01/20  
Invoice No. 89861  
Cust # G073  
Permit Number  
Customer P.O.

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result | Qual | Units | Method    | DF  | RL    | Date                                  | Tech |
|----------------------------------|--------|------|-------|-----------|-----|-------|---------------------------------------|------|
| Sample: 008 <b>SG8-6</b>         |        |      |       |           |     |       | Date & Time Sampled: 10/01/20 @ 10:40 |      |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |     |       |                                       |      |
| [VOCs by GCMS]                   |        |      |       |           |     |       |                                       |      |
| Acetone                          | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| t-Amyl Methyl Ether (TAME)       | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Benzene                          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Bromobenzene                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Bromochloromethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Bromodichloromethane             | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Bromoform                        | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Bromomethane                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| t-Butanol (TBA)                  | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| 2-Butanone (MEK)                 | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| n-Butylbenzene                   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| sec-Butylbenzene                 | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| tert-Butylbenzene                | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Carbon Disulfide                 | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| Carbon Tetrachloride             | <0.050 |      | µg/L  | EPA 8260B | 1.0 | 0.050 | 10/01/20                              | SR   |
| Chlorobenzene                    | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Chloroethane                     | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Chloroform                       | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Chloromethane                    | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 2-Chlorotoluene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 4-Chlorotoluene                  | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Dibromochloromethane             | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dibromoethane (EDB)          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dibromo-3-Chloropropane      | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Dibromomethane                   | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,3-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,4-Dichlorobenzene              | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Dichlorodifluoromethane          | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1-Dichloroethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dichloroethane               | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |

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| FDA#     | 2030513 |
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## CERTIFICATE OF ANALYSIS

2010-00004

Date Reported 10/02/20

Date Received 10/01/20

Invoice No. 89861

Cust # G073

Permit Number

Customer P.O.

D.M.G. CORP

DAN LOUKS

1278 GLENNEYRE ST., #410

LAGUNA BEACH, CA 92651

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result      | Qual | Units | Method    | DF  | RL    | Date                                  | Tech |
|----------------------------------|-------------|------|-------|-----------|-----|-------|---------------------------------------|------|
| Sample: 008 <b>SG8-6</b>         |             |      |       |           |     |       | Date & Time Sampled: 10/01/20 @ 10:40 |      |
| Sample Matrix: <b>Soil Vapor</b> |             |      |       |           |     |       |                                       |      |
| .....continued                   |             |      |       |           |     |       |                                       |      |
| 1,1-Dichloroethene               | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| cis-1,2-Dichloroethene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| trans-1,2-Dichloroethene         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2-Dichloropropane              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,3-Dichloropropane              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 2,2-Dichloropropane              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1-Dichloropropene              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| cis-1,3-Dichloropropene          | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| trans-1,3-Dichloropropene        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Diisopropyl Ether (DiPE)         | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Ethylbenzene                     | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Ethyl-t-Butyl Ether (EtBE)       | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Hexachlorobutadiene              | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 2-Hexanone                       | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| Isopropylbenzene                 | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 4-Isopropyltoluene               | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Methylene Chloride               | <0.1        |      | µg/L  | EPA 8260B | 1.0 | 0.1   | 10/01/20                              | SR   |
| 4-Methyl-2-Pentanone (MIBK)      | <1.0        |      | µg/L  | EPA 8260B | 1.0 | 1.0   | 10/01/20                              | SR   |
| Methyl-t-butyl Ether (MtBE)      | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Naphthalene                      | <0.050      |      | µg/L  | EPA 8260B | 1.0 | 0.050 | 10/01/20                              | SR   |
| n-Propylbenzene                  | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Styrene                          | <b>0.17</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1,1,2-Tetrachloroethane        | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1,1,2,2-Tetrachloroethane      | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Tetrachloroethene                | <b>0.72</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Toluene                          | <b>0.11</b> |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2,3-Trichlorobenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,2,4-Trichlorobenzene           | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1,1-Trichloroethane            | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| 1,1,2-Trichloroethane            | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |
| Trichloroethene                  | <0.10       |      | µg/L  | EPA 8260B | 1.0 | 0.10  | 10/01/20                              | SR   |

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## CERTIFICATE OF ANALYSIS

2010-00004

**D.M.G. CORP**  
**DAN LOUKS**  
**1278 GLENNEYRE ST., #410**  
**LAGUNA BEACH, CA 92651**

Date Reported 10/02/20  
Date Received 10/01/20  
Invoice No. 89861  
Cust # G073  
Permit Number  
Customer P.O.

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN DIEGO**

| Analysis                         | Result | Qual | Units | Method    | DF  | RL     | Date                                  | Tech |
|----------------------------------|--------|------|-------|-----------|-----|--------|---------------------------------------|------|
| Sample: 008 <b>SG8-6</b>         |        |      |       |           |     |        | Date & Time Sampled: 10/01/20 @ 10:40 |      |
| Sample Matrix: <b>Soil Vapor</b> |        |      |       |           |     |        |                                       |      |
| .....continued                   |        |      |       |           |     |        |                                       |      |
| 1,2,3-Trichloropropane           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Trichlorofluoromethane           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Trichlorotrifluoroethane         | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,2,4-Trimethylbenzene           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| 1,3,5-Trimethylbenzene           | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| Vinyl Chloride                   | <0.050 |      | µg/L  | EPA 8260B | 1.0 | 0.050  | 10/01/20                              | SR   |
| m,p-Xylenes                      | <0.20  |      | µg/L  | EPA 8260B | 1.0 | 0.20   | 10/01/20                              | SR   |
| o-Xylene                         | <0.10  |      | µg/L  | EPA 8260B | 1.0 | 0.10   | 10/01/20                              | SR   |
| [VOC Vapor Sampling Tracer]      |        |      |       |           |     |        |                                       |      |
| Isopropanol (IPA)                | <1.0   |      | µg/L  | EPA 8260B | 1.0 | 1.0    | 10/01/20                              | SR   |
| [VOC Surrogates]                 |        |      |       |           |     |        |                                       |      |
| Dibromofluoromethane             | 106    |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                              | SR   |
| Toluene-D8                       | 95     |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                              | SR   |
| Bromofluorobenzene               | 102    |      | %REC  | EPA 8260B |     | 70-130 | 10/01/20                              | SR   |

**Respectfully Submitted:**

*Ken Zheng*

Ken Zheng - Lab Director

### QUALIFIERS

B = Detected in the associated Method Blank at a concentration above the routine RL.  
B1 = BOD dilution water is over specifications . The reported result may be biased high.  
D = Surrogate recoveries are not calculated due to sample dilution.  
E = Estimated value; Value exceeds calibration level of instrument.  
H = Analyte was prepared and/or analyzed outside of the analytical method holding time  
I = Matrix Interference.  
J = Analyte concentration detected between RL and MDL.  
Q = One or more quality control criteria did not meet specifications. See Comments for further explanation.  
S = Customer provided specification limit exceeded.

### ABBREVIATIONS

DF = Dilution Factor  
RL = Reporting Limit, Adjusted by DF  
MDL = Method Detection Limit, Adjusted by DF  
Qual = Qualifier  
Tech = Technician



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| FDA#     | 2030513 |
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*As regulatory limits change frequently, A & R Laboratories advises the recipient of this report to confirm such limits with the appropriate federal, state, or local authorities before acting in reliance on the regulatory limits provided.*

*For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.*



# A & R Laboratories, Inc.

1650 S. GROVE AVE., SUITE C  
 ONTARIO, CA 91761  
 951-779-0310 FAX 951-779-0344  
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| FDA#     | 2030513              |
| LA City# | 10261                |
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## QUALITY CONTROL DATA REPORT

**D.M.G. CORP**  
 PACIFIC PALISADES, CA 90272

**2010-00004**

**Date Reported** 10/02/2020  
**Date Received** 10/01/2020  
**Date Sampled** 10/01/2020  
**Invoice No.** 89861  
**Customer #** G073  
**Customer P.O.**

**Project: FIRESTONE TIRES / 1011 GRAND AVE., SAN  
 DIEGO**

**Method #** EPA 8260B

**QC Reference #** 91878 **Date Analyzed:** 10/1/2020 **Technician:** SR

**Samples** 001 002 003 004 005 006 007 008

### Results

LCS %REC LCS %DUP

|                    |     |    |
|--------------------|-----|----|
| 1,1-Dichloroethene | 126 | 89 |
| Benzene            | 97  | 97 |
| Chlorobenzene      | 98  | 98 |
| Toluene            | 89  | 89 |
| Trichloroethene    | 97  | 96 |

### Control Ranges

LCS %REC

70 - 130  
 70 - 130  
 70 - 130  
 70 - 130  
 70 - 130

**No method blank results were above reporting limit**

*Respectfully Submitted:*

*Ken Zheng*

Ken Zheng - President

For any feedback concerning our services, please contact Jenny Jiang, Project Manager at 951.779.0310. You may also contact Ken Zheng, President at office@arlaboratories.com.



**A & R Laboratories**  
 1650 S. Grove Ave., Ste C, Ontario, CA 91761  
 Tel: 951-779-0310 / 909-781-6335 Fax: 951-779-0344  
 E-mail: office@arlaboratories.com

**CHAIN OF CUSTODY**

**RUSH**

A & R Work Order #:

2010-4

Page 1 of 1

| Client Name <b>D.M.G</b>                            |                  |   |       | <input type="checkbox"/> Chilled           |                 |                                |                              | <b>Analyses Requested</b>   |                        |                      |                                      |                  |                                 |  |                                     |                 |  | Turn Around Time Requested      |  |
|---|------------------|---|-------|--|-----------------|--------------------------------|------------------------------|-----------------------------|------------------------|----------------------|--------------------------------------|------------------|---------------------------------|--|-------------------------------------|-----------------|--|---------------------------------|--|
| E-mail <b>DAN@GSAENGINEERING.NET</b>                |                  |   |       | <input checked="" type="checkbox"/> Intact |                 |                                |                              |                             |                        |                      |                                      |                  |                                 |  |                                     |                 |  | Rush<br>8 12 24 48 Hours        |  |
| Address <b>1278 GLENNEYRE ST #410 LUGUNA NIGUEL</b> |                  |   |       | <input type="checkbox"/> Seal              |                 |                                |                              |                             |                        |                      |                                      |                  |                                 |  |                                     |                 |  | <input type="checkbox"/> Normal |  |
| Report Attention <b>DAN L</b>                       |                  | Phone # <b>949-510-4317</b>                     |       | Sampled By <b>NH</b>                       |                 |                                |                              |                             |                        |                      |                                      |                  |                                 |  |                                     | <b>6 Hour</b>   |  |                                 |  |
| Project No./ Name <b>FIRESTONE TIRES</b>            |                  | Project Site <b>1011 GRAND AVENUE SAN DIEGO</b> |       |  |                 |                                |                              |                             |                        |                      |                                      |                  |                                 | <b>TURNROUND</b>   |                                     |                 |  |                                 |  |
| Lab #<br>(Lab use)                                  | Client Sample ID | Sample Collection                               |       | Matrix Type                                | Sample Preserve | No., type* & size of container | EPA8260B (VOCs & Oxygenates) | EPA8260B(BTEX & Oxygenates) | LUFT / 8015 (Gasoline) | LUFT / 8015 (Diesel) | EPA8081A (Organochlorine Pesticides) | EPA 8082 (PCBs)  | EPA 8015M (Carbon Chain C4-C40) | EPA 6010B/7000 (CAM 17 Metals)   | Micro: Plate Cnt., Coliform, E-Coli | Remarks         |  |                                 |  |
| 1   | SG1-8            | 10-01-20  | 9:50  | VAPOR                                      | -               | 1                              | X                            |                             |                        |                      |                                      |                  |                                 |  |                                     | CLARIFIER       |  |                                 |  |
| 2   | SG2-5            |   | 9:40  |  | -               | 1                              | X                            |                             |                        |                      |                                      |                  |                                 |  |                                     | LIFT            |  |                                 |  |
| 3   | SG3-4            |   | 9:30  |  | -               | 1                              | X                            |                             |                        |                      |                                      |                  |                                 |  |                                     | COMPRESSOR ROOM |  |                                 |  |
| 4   | SG4-8            |   | 10:00 |  | -               | 1                              | X                            |                             |                        |                      |                                      |                  |                                 |  |                                     | LIFT            |  |                                 |  |
| 5   | SG5-8            |   | 10:10 |  | -               | 1                              | X                            |                             |                        |                      |                                      |                  |                                 |  |                                     | LIFT            |  |                                 |  |
| 6   | SG6-8            |   | 10:20 |  | -               | 1                              | X                            |                             |                        |                      |                                      |                  |                                 |  |                                     | LIFT            |  |                                 |  |
| 7   | SG7-8            |   | 10:30 |  | -               | 1                              | X                            |                             |                        |                      |                                      |                  |                                 |  |                                     | LIFT            |  |                                 |  |
| 8   | SG8-6            |   | 10:40 |  | -               | 1                              | X                            |                             |                        |                      |                                      |                  |                                 |  |                                     | FORMER U-ST     |  |                                 |  |
| Relinquished By <b>Neil Hulett</b>                  |                  | Date <b>10-01-20</b>                            |       | Time <b>13:00</b>                          |                 | Received By <b>[Signature]</b> |                              | Company <b>A+R</b>          |                        | Date <b>10.1.20</b>  |                                      | Time <b>1300</b> |                                 | Note: Samples are discarded 30 days after results are reported unless other arrangements are made. |                                     |                 |  |                                 |  |
| Relinquished By                                     |                  | Date  |       | Time                                       |                 | Received By                    |                              | Company                     |                        | Date                 |                                      | Time             |                                 |  |                                     |                 |  |                                 |  |

|              |  |  |                   |   |  |  |   |           |
|--------------|--|--|-------------------|---|--|--|---|-----------|
| Matrix Code: | DW=Drinking Water<br>GW=Ground Water<br>WW=Waste Water<br>SD=Solid Waste | SL=Sludge<br>SS=Soil/Sediment<br>AR=Air<br>PP=Pure Product | Preservative Code | IC=Ice<br>HC=HCl<br>HN=HNO <sub>3</sub> | SH=NaOH<br>ST=Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub><br>HS=H <sub>2</sub> SO <sub>4</sub> | * Sample Container Types:<br>T= Tedlar Air Bag<br>G= Glass Container<br>ST= Steel Tube | B= Brass Tube<br>P= Plastic Bottle<br>V= VOA Vial | E= EnCore |
|--------------|--|--|-------------------|---|--|--|---|-----------|

## **APPENDIX D**



SG1



SG2



SG3



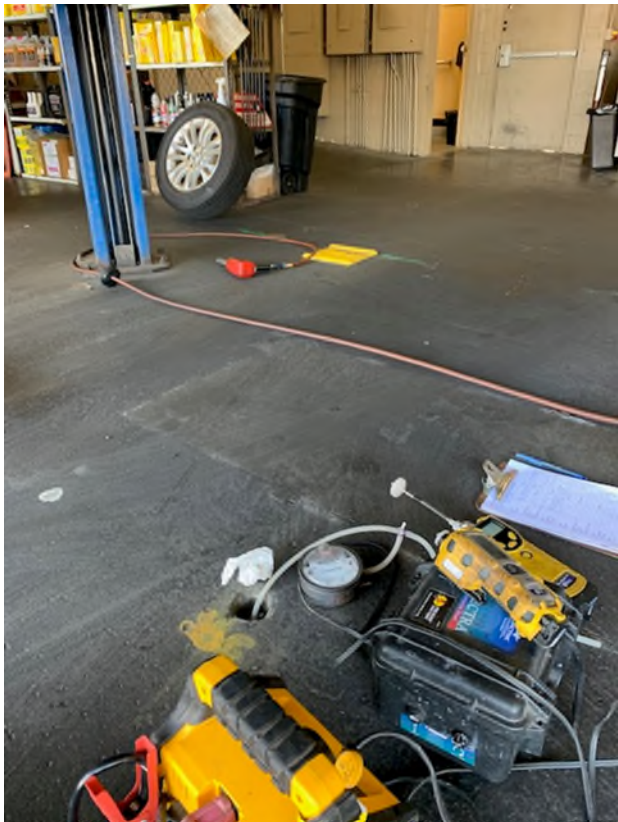
SG4



SG5



SG6



SG7



SG8

## **APPENDIX E**





# SubSurface Surveys

An Applied Geophysical Company

2075 Corte Del Nogal, Suite W

Carlsbad, California 92011

Office: 760-476-0492

Fax: 760-476-0493

DMG, Inc.

Attn: Angela Todd

at@dmgcorporate.com

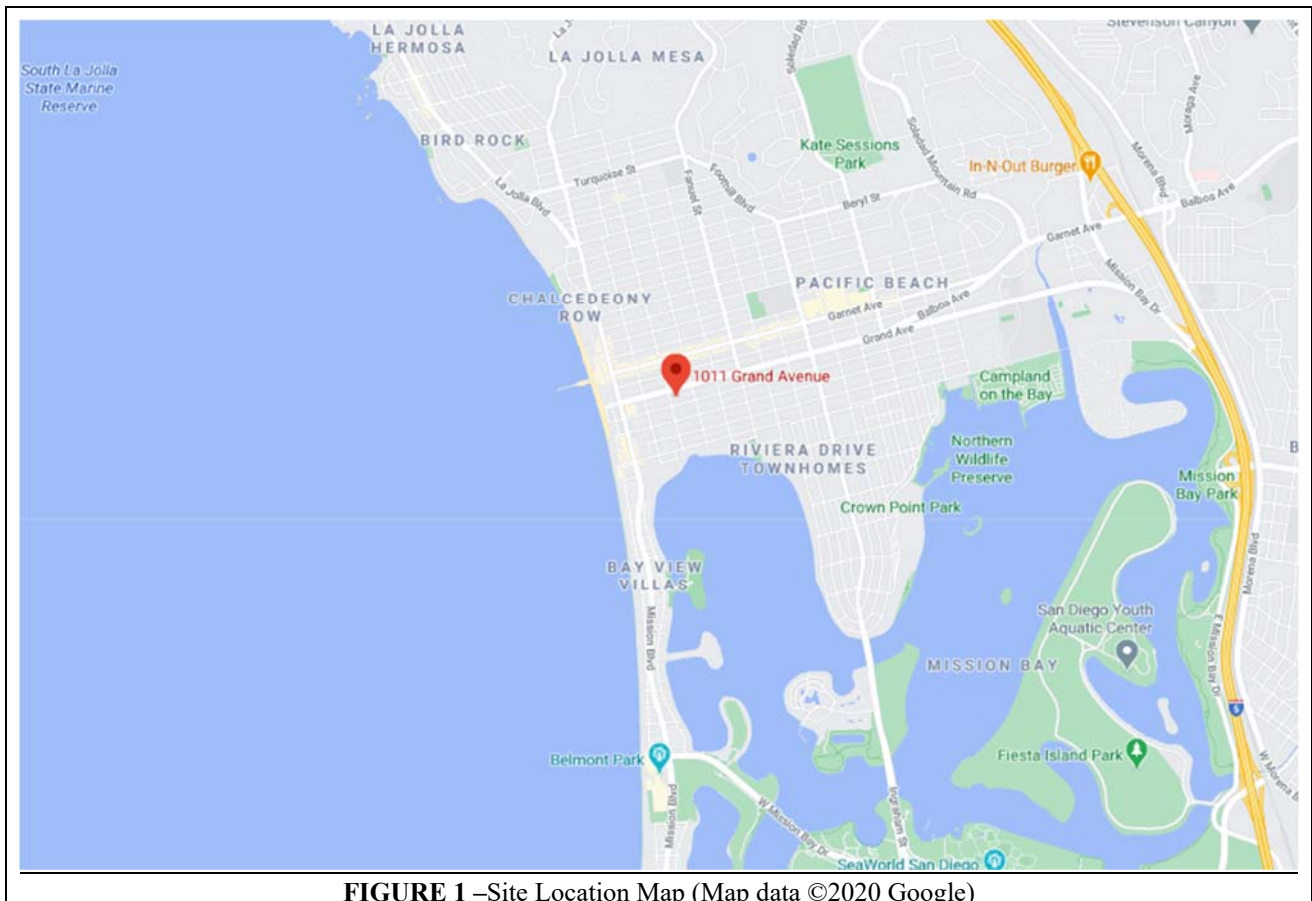
October 2<sup>nd</sup>, 2020

Subject: Geophysical Survey  
1011 Grand Ave  
San Diego, California

Project Number: 20-377

This report is to present the results of our geophysical survey carried over portions of property located at 1011 Grand Avenue in San Diego, California (Figure 1), on September 30<sup>th</sup>, 2020. Purpose of the survey was to locate and identify, insofar as possible, the existence of any underground storage tanks (USTs), and/or backfilled excavations that may exist on the subject property. The secondary purpose of the survey was to locate and identify, insofar as possible, piping, conduit, and other buried utilities that may exist in the vicinity of eight (8) specific locations for guidance in future drilling activities.

A combination of electromagnetic induction (EM), magnetometry, and ground penetrating radar (GPR) were applied to the search. A utility locator with line tracing capabilities was also brought to the field and used where risers exist onto which a signal could be impressed and traced.



**Survey Design** – The areas to be surveyed, along with the specific borehole locations, were indicated in the field by the client and included all accessible exterior portions of the property. The EM61 and GPR were traversed in a reconnaissance mode over these open areas, to determine if more specific target areas existed. Additional traverses were taken, access permitting, for detailing and confirmation where anomalous conditions were found. Multiple GPR profiles were also collected throughout the area and in specific areas for confirmation where other instruments detected anomalies. The line tracer was also used to trace out all detectable utilities in the area.

Additionally, the magnetic gradiometer, line tracer, M-Scope, EM61 and GPR were traversed systematically over each borehole along the eight lines of the standard search pattern (Figure 2), wherein, there are two sets of three parallel lines, mutually orthogonal, and two diagonals, all centered on the marked drill location. Adjacent parallel lines are approximately 5 feet apart, and each line is approximately 20 feet long, access permitting. Other traverses were taken, access permitting, for detailing and confirmation where anomalous conditions were found.

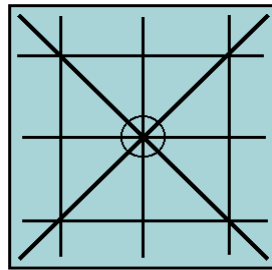


Figure 2: Standard search pattern around target

Hard copy of the EM data was not acquired, that is, discrete readings on the nodes of a grid were not recorded that could be put into a contoured map format. Rather, the instruments' meters were read continuously, and in real-time, during each traverse. This free-traversing method allowed for immediate detection of anomalous objects and facilitated the opportunity to investigate them further, without first having to download data in the office. The lack of hard copy for EM data sets does not degrade the quality of the survey in any way. Hard copy merely provides a basis for report documentation of these geophysical fields, if such documentation is needed.

The line tracers were used to impress signals onto pipes, generally through accessible risers and tracer wires when present, to delineate the lines' locations and orientations. The instruments were also used in passive mode, configured to detect 60 Hz electrical signals and other common radio-frequency signals.

It should be noted that six (6) boreholes area were located over reinforced concrete. The rebar within the concrete causes substantial distortion to the EM and magnetic readings caused by its metallic content. GPR and the line tracer were the main tools applied.

A Geonic's model EM61 and a Fischer M-Scope was used for the EM sampling. A Sensors and Software Noggin Ground Penetrating Radar unit with a 500 MHz antenna produced the radar images. The magnetic gradiometer was a Schonstedt GA-52, and a Metrotech 9890 and RIDGID SR-60 SeekTech utility locator rounded out the tools applied.

**Brief Description of the Geophysical Methods Applied** - The line locator is used to passively detect energized high voltage electric lines and electrical conduit (50-60 Hz), VLF signals (14-22 kHz), as well as to actively trace other utilities. Where risers are present, the utility locator transmitter can be connected directly to the

object, and a signal (9.8-82 kHz) is sent traveling along the conductor, pipe, conduit, etc. In the absence of a riser, the transmitter can be used to impress an input signal on the utility by induction. In either case, the receiver unit is tuned to the input signal, and is used to actively trace the signal along the pipe's surface projection.

The magnetic gradiometer has two flux gate magnetic fixed sensors that are passed closely to and over the ground. When not in close proximity to a magnetic object, that is, only in the earth's field, the instrument emits a sound signal at a low frequency. When the instrument passes over a buried iron or steel object, so that locally there is a high magnetic gradient, the frequency of the emitted sound increases. The frequency is a function of the gradient between the two sensors.

The GPR instrument beams energy into the ground from its transducer/antenna, in the form of electromagnetic waves. A portion of this energy is reflected back to the antenna at a boundary in the subsurface across which there is an electrical contrast. The instrument produces a continuous record of the reflected energy as the antenna is traversed across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The radar wave travels at a velocity unique to the material properties of the ground being investigated, and when these velocities are known, the two-way travel times can be converted to depth. The depth of penetration and image resolution produced are a function of ground electrical conductivity and dielectric constant.

The EM61 instrument is a high resolution, time-domain device for detecting buried conductive objects. It consists of a powerful transmitter that generates a pulsed primary magnetic field when its coils are energized, which induces eddy currents in nearby conductive objects. The decay of the eddy currents, following the input pulse, is measured by the coils, which in turn serve as receiver coils. The decay rate is measured for two coils, mounted concentrically, one above the other. By making the measurements at a relatively long time interval (measured in milliseconds) after termination of the primary pulse, the response is nearly independent of the electrical conductivity of the ground. Thus, the instrument is a super-sensitive metal detector. Due to its unique coil arrangement, the response curve is a single well-defined positive peak directly over a buried conductive object. This facilitates quick and accurate location of targets.

The M-Scope device energizes the ground by producing an alternating primary magnetic field with AC current in a transmitting coil. If conducting materials are within the area of influence of the primary field, AC eddy currents are induced to flow in the conductors. A receiving coil senses the secondary magnetic field produced by these eddy currents, and outputs the response to a meter in the form of ground conductivity values for the M-Scope. The strength of the secondary field is a function of the conductivity of the object, say a pipe, tank or cluster of drums, its size, and its depth and position relative to the instrument's two coils. Conductive objects, to a depth of approximately 7 feet for the M-Scope are sensed. The devices are also somewhat focused; that is, they are more sensitive to conductors below the instrument than they are to conductors off to the side.

**Interpretation and Conclusions** - The interpretation took place in real time as the survey progressed, and accordingly, the findings of our investigation were marked on the ground cover with spray chalk paint and further documented with a Google™ earth map of the exterior only (Figure 3), site photographs (Figures 4-11), and a radar image (Figure 12).

Piping and utilities detected during the survey were marked with spray chalk paint on the ground cover using green for sanitary sewer/storm drain, red for electric, blue for water, and orange was used to delineate GPR Anomalies.

Upon completion of the reconnaissance using EM and GPR around all accessible exterior portions of the property only one anomalous condition was detected with the radar system (Figure 4). This GPR Anomaly

measured approximately 13 feet by 13 feet and was located right outside of one of the service bays where a UST formerly existed. Radar imagery was captured over this anomaly showing a soil disturbance, or high penetration levels, which further suggests that previous digging and/or excavating activities may have occurred here (Figure 13). Based on information provided in the field by the client along with geophysical evidence, this is the most likely candidate of a former tank hold. Please note, there were no underground metallic objects suggestive of a UST.

Once all detectable buried cultural objects were marked and accounted for, our findings were discussed in the field with the client at the conclusion of the survey. Based on the findings of the geophysical survey each borehole was then positioned by the client and marked cleared by SubSurface Surveys and Associates with a white circle and a yellow "SSS". Please use the graphics along with the markings in the field for a better representation of our findings.

**Limitations and Further Recommendations** - It should be understood that limitations inherent in geophysical instruments and/or surveying techniques exist at all sites, and nearly all sites exhibit conditions under which instruments might not perform optimally. Consequently, the detection of buried objects in all circumstances **cannot be guaranteed**. Such limitations are numerous and include, but are not limited to, rebar-reinforced ground cover, abrupt changes in ground cover type, above-ground obstacles preventing full traverses or traverses in one direction only, above-ground conductive objects interfering with instrument signal, nearby powerlines or EM transmitters, highly conductive background soil conditions, limiting GPR penetration, non-metallic targets, shallower or larger objects shielding deeper or smaller targets, tracing signal jumping from one line to another, and inaccessible risers, cleanouts, valve boxes, and manholes. If one or more geophysical instrument is rendered ineffective and cannot be utilized, the quality of the survey can be somewhat degraded.

For the above reasons, and in the interest of maximum safety, we encourage our clients to take advantage of Underground Service Alert (USA), Dig Alert, or other similar services, when possible. Furthermore, we recommend hand-auguring and the use of a drilling method known as air knifing and vacuum extraction, when feasible or if applicable to this project. These methods may significantly limit damage to underground pipes, conduits, and utilities that might not have been detectable during the course of this survey. Please bear in mind, that geophysical surveying is only one of several levels of protection that is available to our clients.

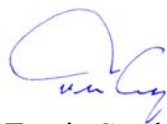
SubSurface Surveys may include maps in some reports. While they are an accurate general representation of the site and our findings, they are not of engineering quality (i.e., measured and mapped by a licensed land surveyor).

SubSurface Surveys and Associates makes no guarantee either expressed or implied regarding the accuracy of the findings and interpretations present. And, in no event will SubSurface Surveys and Associates be liable for any direct, indirect, special, incidental, or consequential damages resulting from interpretations and opinions presented herewith.

All data acquired in these surveys are in confidential file in this office, and are available for review by your staff, or by us at your request, at any time. We appreciate the opportunity to participate in this project. Please call, if there are questions.
















Bret Herman  
Staff Geophysicist



Travis Crosby, GP# 1044  
California State Geophysics Registration GP1044  
Senior Geophysicist, SubSurface Surveys



Google Earth Professional Business Licensed; Image ©2020 Google

|  |  |  |  |
|--|--|--|--|
|    | <b>SITE:</b><br><b>1011 Grand Avenue</b><br><b>San Diego, California</b>   | <b>TITLE:</b><br><b>Site Interpretation Map</b>  | <b>DATE:</b><br><b>September 30th, 2020</b>  |
|  |  | <b>PREPARED FOR:</b><br><b>DMG, Inc.</b>   | <b>SSS PROJECT NO.:</b><br><b>20-377</b>   |
| <b>LEGEND:</b>   |  |  |                             |
|  electric line<br> water line<br> sewer/drain line |  GPR Traverse<br> boundaries of GPR Anomaly<br> boundaries of reconnaissance survey |  clarifier<br> borehole<br> light standard<br> water valve | <br><b>SCALE</b><br>0 -32ft |
|  |  |  | <b>FIGURE 3</b>  |

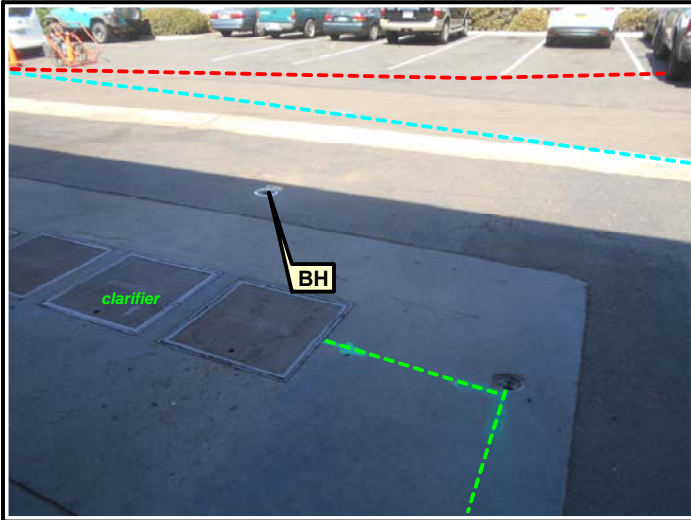


Figure 4

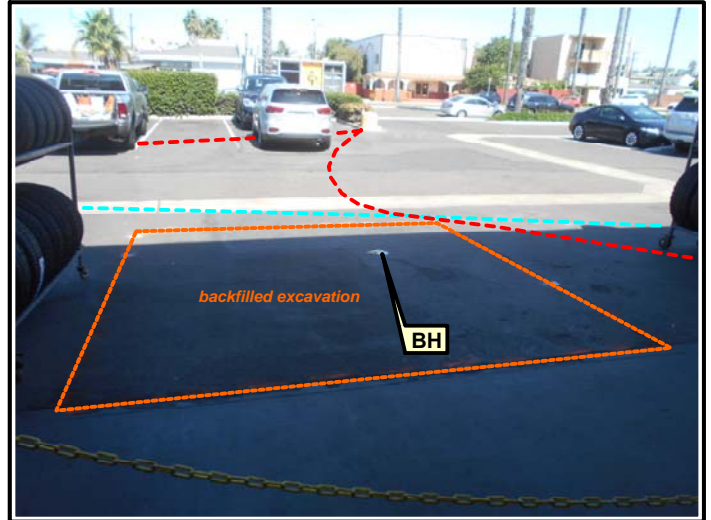


Figure 5

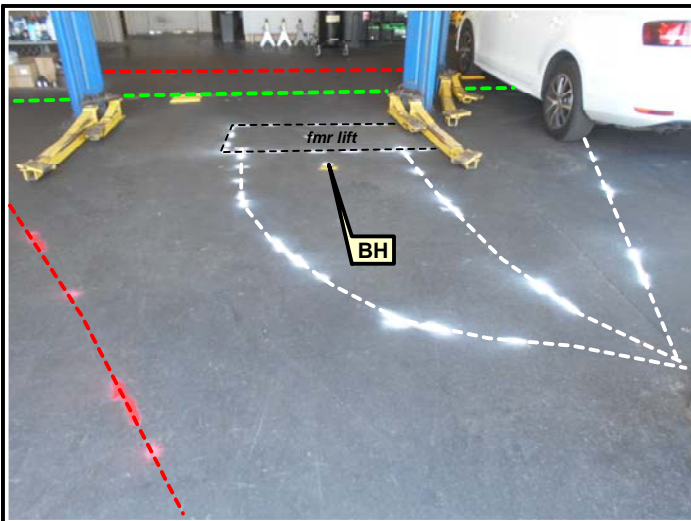


Figure 6

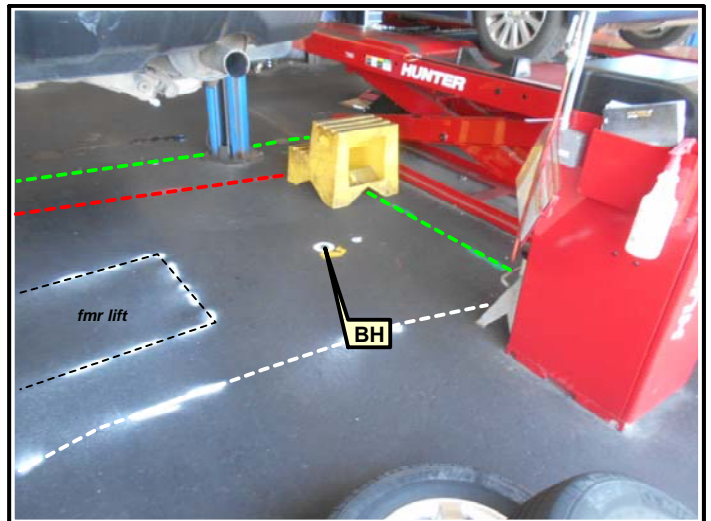


Figure 7

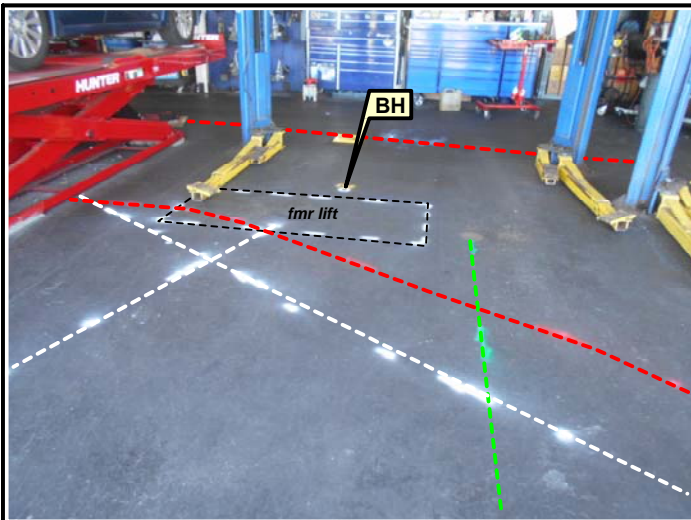


Figure 8



Figure 9



SITE:  
1011 Grand Ave  
San Diego, California

TITLE:  
Site Photographs

PREPARED FOR:  
DMG, Inc.

SURVEY DATE:  
September 30th, 2020

SSS PROJECT NO:  
20-377

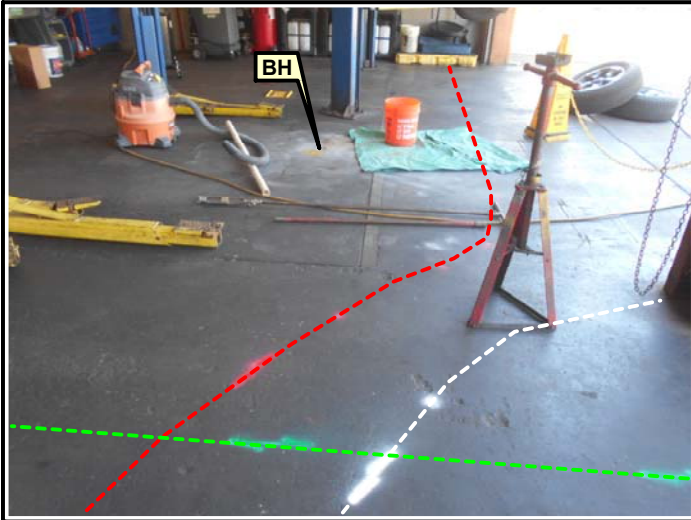


Figure 10

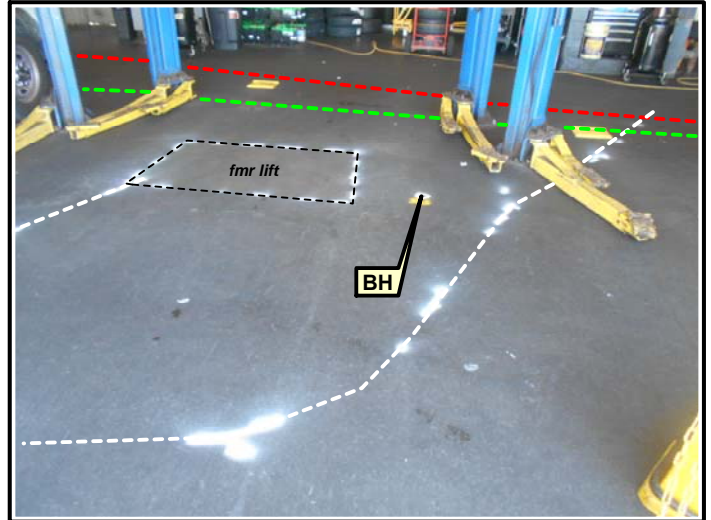


Figure 11

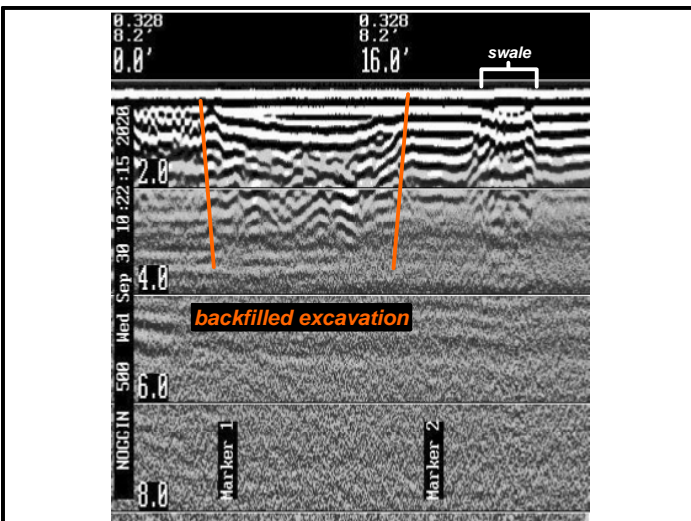


Figure 12: GPR Traverse

NO PHOTO

NO PHOTO

NO PHOTO



SITE:  
1011 Grand Ave  
San Diego, California

TITLE:  
Site Photographs

SURVEY DATE:  
September 30th, 2020

PREPARED FOR:  
DMG, Inc.

SSS PROJECT NO:  
20-377


## **APPENDIX F**

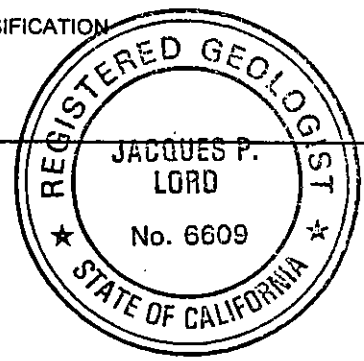


DRILLING METHOD: Hand Auger PROJECT NAME: McKINNON SMERDON PARTNERSHIP LOCATION: 1011 Grand Ave. Pacific Beach, CA

DRILLING EQUIPMENT: Hand Auger SAMPLING METHOD: Direct SURFACE ELEVATION: NA TOTAL DEPTH OF BOREHOLE: 7.0 ft

|      |                      |   |                                    |                              |                           |
|------|----------------------|---|------------------------------------|------------------------------|---------------------------|
| DATE | STARTED: 2/5/2001    | DRILLING COMPANY: Kleinfelder, Inc.               | BOREHOLE DIAMETER: 3" Auger Bucket | GROUNDWATER DEPTH/ELEV. (ft) | MEASUREMENT DATE and TIME |
|      | COMPLETED: 2/5/2001  | SURFACE CONDITIONS: Concrete - mechanics open pit |                                    | ∇ na / na                    |                           |
|      | BACKFILLED: 2/5/2001 | LOGGED BY: KSA                                    | REVIEWED BY: JPL                   | ∇ na / na                    |                           |

| DEPTH (ft) | SAMPLE                   |      | TPHg. TPHd (mg/kg) | PID/OVA (ppm) | GRAPHIC LOG   | DESCRIPTION AND CLASSIFICATION                               |
|------------|--------------------------|------|--------------------|---------------|---|--|
|            | BLOW COUNTS (BLOWS/FOOT) | ID   |                    |               |   |  |
|            |                          |      |                    |               |   | Open pit with gravel, drain on bottom                        |
| 5          |                          | B4-7 |                    |               |  | SILTY SAND (SM), reddish brown, dry, moderately dense        |
| 10         |                          |      |                    |               |   | Bottom of boring at 7 ft.<br>Borehole backfilled with spoils |
| 15         |                          |      |                    |               |   |  |



WELL LOG 5798LOG.CPJ TROLLEY.GDT 3/13/01

**KLEINFELDER**  
5015 SHOREHAM PLACE  
SAN DIEGO, CALIFORNIA 92122

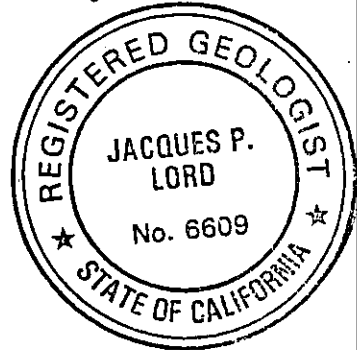
THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE  
**B4**

DRILLING METHOD: Hand Auger PROJECT NAME: MCKINNON SMERDON PARTNERSHIP LOCATION: 1011 Grand Ave. Pacific Beach, CA  
 DRILLING EQUIPMENT: Hand Auger SAMPLING METHOD: Direct SURFACE ELEVATION: NA TOTAL DEPTH OF BOREHOLE: 8.0 ft

DATE STARTED: 2/5/2001 DRILLING COMPANY: Kleinfelder, Inc. BOREHOLE DIAMETER: 3" Auger Bucket GROUNDWATER DEPTH/ELEV. (ft) MEASUREMENT DATE and TIME  
 COMPLETED: 2/5/2001 SURFACE CONDITIONS: Open excavation from hoist removal  
 BACKFILLED: 2/5/2001 LOGGED BY: KSA REVIEWED BY: JPL

| DEPTH (ft) | SAMPLE                   |      |      | TPHg, TPHd (mg/kg) | PID/OVA (ppm) | GRAPHIC LOG | DESCRIPTION AND CLASSIFICATION                                       |
|------------|--------------------------|------|------|--------------------|---------------|-------------|--|
|            | BLOW COUNTS (BLOWS/FOOT) | TYPE | ID   |                    |               |             |  |
| 5          |                          |      | B5-5 |                    |               |             | Concrete   |
|            |                          |      | B5-8 |                    |               |             | SILTY SAND (SM), reddish brown, dry, no hydrocarbon odor or staining |
| 10         |                          |      |      |                    |               |             | Bottom of boring at 8 ft. Backfilled with spoils                     |
| 15         |                          |      |      |                    |               |             |  |



WELL LOG 5798LOG.GPJ TROLLEY.GDT 3/13/01

**KLEINFELDER**  
 5015 SHOREHAM PLACE  
 SAN DIEGO, CALIFORNIA 92122

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

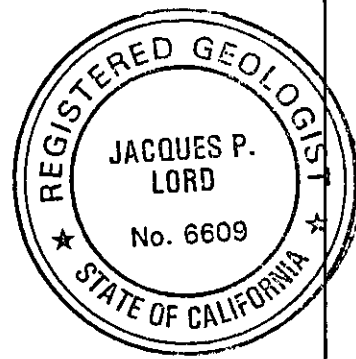
FIGURE  
**B5**

DRILLING METHOD: Hand Auger PROJECT NAME: MCKINNON SMERDON PARTNERSHIP LOCATION: 1011 Grand Ave. Pacific Beach, CA

DRILLING EQUIPMENT: Hand Auger SAMPLING METHOD: Direct SURFACE ELEVATION: NA TOTAL DEPTH OF BOREHOLE: 8.0 ft

|      |                      |                                     |                                    |                              |                           |
|------|----------------------|-------------------------------------|------------------------------------|------------------------------|---------------------------|
| DATE | STARTED: 2/5/2001    | DRILLING COMPANY: Kleinfelder, Inc. | BOREHOLE DIAMETER: 3" Auger Bucket | GROUNDWATER DEPTH/ELEV. (ft) | MEASUREMENT DATE and TIME |
|      | COMPLETED: 2/5/2001  | SURFACE CONDITIONS: Concrete        |                                    | ∇ na / na                    |                           |
|      | BACKFILLED: 2/5/2001 | LOGGED BY: KSA                      | REVIEWED BY: JPL                   | ∇ na / na                    |                           |

| DEPTH (ft) | SAMPLE                   |      | TPHg, TPHd (mg/kg) | PID/OVA (ppm) | GRAPHIC LOG | DESCRIPTION AND CLASSIFICATION                                       |
|------------|--------------------------|------|--------------------|---------------|-------------|--|
|            | BLOW COUNTS (BLOWS/FOOT) | ID   |                    |               |             |  |
| 0          |                          |      |                    |               |             | Concrete   |
| 5          |                          | B6-6 |                    |               |             | SILTY SAND (SM), reddish brown, dry, no hydrocarbon odor or staining |
|            |                          | B6-8 |                    |               |             |  |
| 10         |                          |      |                    |               |             | Bottom of boring at 8 ft.<br>Backfilled with spoils                  |
| 15         |                          |      |                    |               |             |  |



WELL LOG 5798LOG.GPJ TROLLEY.GDT 3/13/01

**KLEINFELDER**  
5015 SHOREHAM PLACE  
SAN DIEGO, CALIFORNIA 92122

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

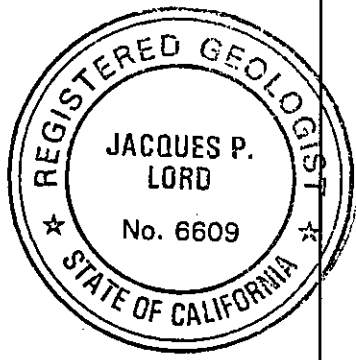
FIGURE  
**B6**

DRILLING METHOD: Hand Auger PROJECT NAME: MCKINNON SMERDON PARTNERSHIP LOCATION: 1011 Grand Ave. Pacific Beach, CA

DRILLING EQUIPMENT: Hand Auger SAMPLING METHOD: Direct SURFACE ELEVATION: NA TOTAL DEPTH OF BOREHOLE: 8.0 ft

|      |                      |                                     |                                    |                              |                           |
|------|----------------------|-------------------------------------|------------------------------------|------------------------------|---------------------------|
| DATE | STARTED: 2/5/2001    | DRILLING COMPANY: Kleinfelder, Inc. | BOREHOLE DIAMETER: 3" Auger Bucket | GROUNDWATER DEPTH/ELEV. (ft) | MEASUREMENT DATE and TIME |
|      | COMPLETED: 2/5/2001  | SURFACE CONDITIONS: Concrete        |                                    | ∇ na / na                    |                           |
|      | BACKFILLED: 2/5/2001 | LOGGED BY: KSA                      | REVIEWED BY: JPL                   | ∇ na / na                    |                           |

| DEPTH (ft) | SAMPLE                   |      | TPHg, TPHd (mg/kg) | PID/OVA (ppm) | GRAPHIC LOG | DESCRIPTION AND CLASSIFICATION                                       |
|------------|--------------------------|------|--------------------|---------------|-------------|--|
|            | BLOW COUNTS (BLOWS/FOOT) | ID   |                    |               |             |  |
|            |                          |      |                    |               |             | Concrete   |
|            |                          |      |                    |               |             | SILTY SAND (SM), reddish brown, dry, no hydrocarbon odor or staining |
| 5          |                          | B7-8 |                    |               |             |  |
|            |                          | B7-8 |                    |               |             |  |
| 10         |                          |      |                    |               |             |  |
| 15         |                          |      |                    |               |             |  |
|            |                          |      |                    |               |             | Bottom of boring at 8 ft. Backfilled with spoils                     |



WELL LOG 5798LOG.GPJ TROLLEY.GDT 3/13/01



**KLEINFELDER**  
5015 SHOREHAM PLACE  
SAN DIEGO, CALIFORNIA 92122

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

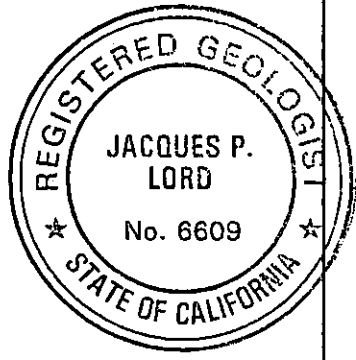
FIGURE  
**B7**

DRILLING METHOD: Hand Auger PROJECT NAME: McKINNON SMERDON PARTNERSHIP LOCATION: 1011 Grand Ave. Pacific Beach, CA

DRILLING EQUIPMENT: Hand Auger SAMPLING METHOD: Direct SURFACE ELEVATION: NA TOTAL DEPTH OF BOREHOLE: 8.0 ft

|      |                      |                                     |                                    |                              |                           |
|------|----------------------|-------------------------------------|------------------------------------|------------------------------|---------------------------|
| DATE | STARTED: 2/5/2001    | DRILLING COMPANY: Kleinfelder, Inc. | BOREHOLE DIAMETER: 3" Auger Bucket | GROUNDWATER DEPTH/ELEV. (ft) | MEASUREMENT DATE and TIME |
|      | COMPLETED: 2/5/2001  | SURFACE CONDITIONS: Concrete        |                                    | ∇ na / na                    |                           |
|      | BACKFILLED: 2/5/2001 | LOGGED BY: KSA                      | REVIEWED BY: JPL                   | ∇ na / na                    |                           |

| DEPTH (ft) | SAMPLE                   |      | TPHg, TPHd (mg/kg) | PID/OVA (ppm) | GRAPHIC LOG | DESCRIPTION AND CLASSIFICATION                                       |
|------------|--------------------------|------|--------------------|---------------|-------------|--|
|            | BLOW COUNTS (BLOWS/FOOT) | ID   |                    |               |             |  |
|            |                          |      |                    |               |             | Concrete   |
|            |                          |      |                    |               |             | SILTY SAND (SM), reddish brown, dry, no hydrocarbon odor or staining |
| 5          |                          | B8-6 |                    |               |             |  |
|            |                          | B8-8 |                    |               |             |  |
| 10         |                          |      |                    |               |             | Bottom of boring at 8 ft. Backfilled with spoils                     |
| 15         |                          |      |                    |               |             |  |



WELL\_LOG\_5798LOG.GPJ TROLLEY.GDT 3/13/01

**KLEINFELDER**  
5015 SHOREHAM PLACE  
SAN DIEGO, CALIFORNIA 92122

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

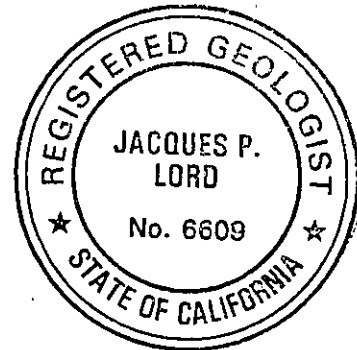
FIGURE  
**B8**

DRILLING METHOD: Hand Auger PROJECT NAME: MCKINNON SMERDON PARTNERSHIP LOCATION: 1011 Grand Ave. Pacific Beach, CA

DRILLING EQUIPMENT: Hand Auger SAMPLING METHOD: Direct SURFACE ELEVATION: NA TOTAL DEPTH OF BOREHOLE: 8.5 ft

|      |                      |                                     |                                    |                              |                           |
|------|----------------------|-------------------------------------|------------------------------------|------------------------------|---------------------------|
| DATE | STARTED: 2/5/2001    | DRILLING COMPANY: Kleinfelder, Inc. | BOREHOLE DIAMETER: 3" Auger Bucket | GROUNDWATER DEPTH/ELEV. (ft) | MEASUREMENT DATE and TIME |
|      | COMPLETED: 2/5/2001  | SURFACE CONDITIONS: Concrete        |                                    | ∇ na / na                    |                           |
|      | BACKFILLED: 2/5/2001 | LOGGED BY: KSA                      | REVIEWED BY: JPL                   | ∇ na / na                    |                           |

| DEPTH (ft) | SAMPLE                   |         | TPHg, TPHd (mg/kg) | PID/OVA (ppm) | GRAPHIC LOG | DESCRIPTION AND CLASSIFICATION                                       |
|------------|--------------------------|---------|--------------------|---------------|-------------|--|
|            | BLOW COUNTS (BLOWS/FOOT) | ID      |                    |               |             |  |
| 0          |                          |         |                    |               |             | Concrete   |
| 5          |                          | B10-7   |                    |               |             | SILTY SAND (SM), reddish brown, dry, no hydrocarbon odor or staining |
|            |                          | B10-8.5 |                    |               |             |  |
| 10         |                          |         |                    |               |             | Bottom of boring at 8.5 ft.<br>Backfilled with spoils                |
| 15         |                          |         |                    |               |             |  |



WELL\_LOG\_5798LOG.GPJ TROLLEY.GDT 3/13/01

**KLEINFELDER**  
5015 SHOREHAM PLACE  
SAN DIEGO, CALIFORNIA 92122

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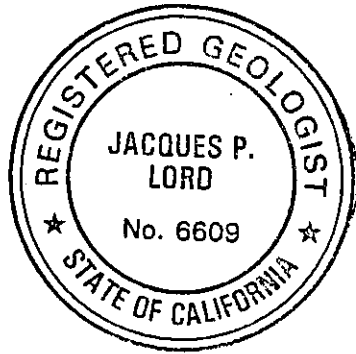
FIGURE  
**B10**

DRILLING METHOD: Hand Auger PROJECT NAME: MCKINNON SMERDON PARTNERSHIP LOCATION: 1011 Grand Ave. Pacific Beach, CA

DRILLING EQUIPMENT: Hand Auger SAMPLING METHOD: Direct SURFACE ELEVATION: NA TOTAL DEPTH OF BOREHOLE: 8.0 ft

|      |                      |                                     |                                    |                              |                           |
|------|----------------------|-------------------------------------|------------------------------------|------------------------------|---------------------------|
| DATE | STARTED: 2/5/2001    | DRILLING COMPANY: Kleinfelder, Inc. | BOREHOLE DIAMETER: 3" Auger Bucket | GROUNDWATER DEPTH/ELEV. (ft) | MEASUREMENT DATE and TIME |
|      | COMPLETED: 2/5/2001  | SURFACE CONDITIONS: Concrete        |                                    | ∇ na / na                    |                           |
|      | BACKFILLED: 2/5/2001 | LOGGED BY: KSA                      | REVIEWED BY: JPL                   | ∇ na / na                    |                           |

| DEPTH (ft) | SAMPLE                   |      | TPHd, TPHd (mg/kg) | PID/OVA (ppm) | GRAPHIC LOG | DESCRIPTION AND CLASSIFICATION                                       |
|------------|--------------------------|------|--------------------|---------------|-------------|--|
|            | BLOW COUNTS (BLOWS/FOOT) | ID   |                    |               |             |  |
|            |                          |      |                    |               |             | Concrete   |
|            |                          |      |                    |               |             | SILTY SAND (SM), reddish brown, dry, no hydrocarbon odor or staining |
| 5          |                          | B9-6 |                    |               |             |  |
|            |                          | B9-8 |                    |               |             |  |
| 10         |                          |      |                    |               |             | Bottom of boring at 8 ft. Backfilled with spoils                     |
| 15         |                          |      |                    |               |             |  |



WELL\_LOG 5798LOG.GPJ TROLLEY.GDT 3/13/01

**KLEINFELDER**  
5015 SHOREHAM PLACE  
SAN DIEGO, CALIFORNIA 92122

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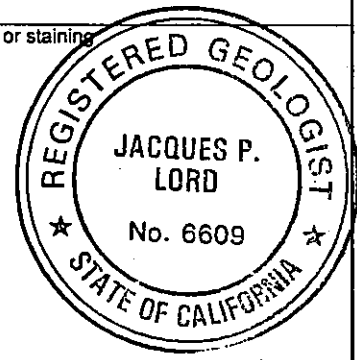
FIGURE  
**B9**

DRILLING METHOD: Hand Auger PROJECT NAME: MCKINNON SMERDON PARTNERSHIP LOCATION: 1011 Grand Ave. Pacific Beach, CA

DRILLING EQUIPMENT: Hand Auger SAMPLING METHOD: Direct SURFACE ELEVATION: NA TOTAL DEPTH OF BOREHOLE: 6.5 ft

|      |                      |                                     |                                    |                              |                           |
|------|----------------------|-------------------------------------|------------------------------------|------------------------------|---------------------------|
| DATE | STARTED: 2/5/2001    | DRILLING COMPANY: Kleinfelder, Inc. | BOREHOLE DIAMETER: 3" Auger Bucket | GROUNDWATER DEPTH/ELEV. (ft) | MEASUREMENT DATE and TIME |
|      | COMPLETED: 2/5/2001  | SURFACE CONDITIONS: Concrete        |                                    | ∇ na / na                    |                           |
|      | BACKFILLED: 2/5/2001 | LOGGED BY: KSA                      | REVIEWED BY: JPL                   | ∇ na / na                    |                           |

| DEPTH (ft) | SAMPLE                   |         | TPHd (mg/kg) | PID/OVA (ppm) | GRAPHIC LOG | DESCRIPTION AND CLASSIFICATION   |
|------------|--------------------------|---------|--------------|---------------|-------------|--|
|            | BLOW COUNTS (BLOWS/FOOT) | ID      |              |               |             |  |
|            |                          |         |              |               |             | Concrete   |
|            |                          |         |              |               |             | SILTY SAND (SM), reddish brown, dry, no hydrocarbon odor or staining             |
| 5          |                          | B11-5   |              |               |             |  |
|            |                          | B11-6.5 |              |               |             |  |
| 10         |                          |         |              |               |             |  |
| 15         |                          |         |              |               |             |  |
|            |                          |         |              |               |             | Auger refusal on cobble<br>Bottom of boring at 6.5 ft.<br>Backfilled with spoils |



WELL LOG 5798LOG.GPJ TROLLEY.GDT 3/13/01



**KLEINFELDER**  
5015 SHOREHAM PLACE  
SAN DIEGO, CALIFORNIA 92122

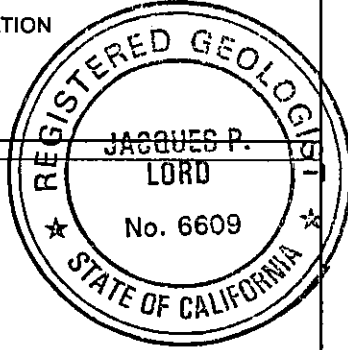
THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE  
**B11**



|                                |                       |  |                                  |   |                                  |
|--------------------------------|-----------------------|--|----------------------------------|---|----------------------------------|
| PROJECT NO.: 51-5798-00        |                       | <b>LOG OF BORING 36</b>                    |                                  | SHEET 1 of 1                                |                                  |
| DRILLING METHOD: HSA           |                       | PROJECT NAME: MCKINNON SMERDON PARTNERSHIP |                                  | LOCATION: 1011 Grand Ave. Pacific Beach, CA |                                  |
| DRILLING EQUIPMENT: LAR-CME 75 |                       | SAMPLING METHOD: SPT                       |                                  | SURFACE ELEVATION: NA                       | TOTAL DEPTH OF BOREHOLE: 10.5 ft |
| DATE                           | STARTED: 2/13/2001    | DRILLING COMPANY: West Hazmat              | BOREHOLE DIAMETER: 8" HSA 2" SPT | GROUNDWATER DEPTH/ELEV. (ft)                | MEASUREMENT DATE and TIME        |
|                                | COMPLETED: 2/13/2001  | SURFACE CONDITIONS: Concrete               |                                  | ∇ na / na                                   | ∇ na / na                        |
|                                | BACKFILLED: 2/12/2001 | LOGGED BY: KSA                             | REVIEWED BY: JPL                 | ∇ na / na                                   | ∇ na / na                        |

| DEPTH (ft) | SAMPLE                   |      |        | TPHd (mg/kg) | PID/OVA (ppm) | GRAPHIC LOG  | DESCRIPTION AND CLASSIFICATION |
|------------|--------------------------|------|--------|--------------|---------------|--|--------------------------------|
|            | BLOW COUNTS (BLOWS/FOOT) | TYPE | ID     |              |               |  |                                |
|            |                          |      |        |              |               | Asphalt<br>Fill  |                                |
| 5          | 36                       |      | KB6-5  |              |               | BAY POINT FORMATION:<br>SILTY SAND (SM), brown, dry, moderately stiff, no odor or staining                     |                                |
| 10         | 36                       |      | KB6-10 |              |               | SAND (SP), tan, dry, no hydrocarbon odor or staining   |                                |
| 15         |                          |      |        |              |               | Bottom of boring at 10.5 ft. (drill down)<br>Backfilled with hydrated bentonite chips and capped with concrete |                                |



WELL\_LOG\_5798LOG.GPJ TROLLEY.GDT 3/13/01

**KLEINFELDER**  
 5015 SHOREHAM PLACE  
 SAN DIEGO, CALIFORNIA 92122

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE  
**KB6**

On February 5 and 13, 2001, a total of thirty-two soil samples were collected from 13 hand- and hollow-stem-auger borings to a depth of approximately 15 feet. Hand-auger borings were designated with "B#", and hollow-stem-auger borings were designated with "KB#" (Figure 2, Soil Sampling Locations Map). Groundwater was not observed during the drilling and sampling activities. Drilling and sampling were conducted to a maximum depth of 15.5 feet below ground surface (bgs).

Soil samples were collected at depths between five and 15 feet below ground surface (bgs) and were submitted to American Scientific Laboratories, LLC (ASL), a state-certified analytical laboratory based in Los Angeles, California. The samples were analyzed for total recoverable hydrocarbon (TRPH) analysis in general accordance with EPA Method 418.1. TRPH was reported in nine of the 32 samples with three of the reported hits in Boring KB3. TRPH results ranged from not detected (ND) to a high of 64,800 milligrams per kilogram (mg/kg) in Boring KB3 at a depth of 10 feet bgs.

One of two selected soil samples with reported concentrations of TRPH was interpreted to be indicative of a release of hydraulic oil from the assumed former hoist pistons associated with the fresh cement (Figure 3, Results of Soil Sampling). The sample KB3-10' was further analyzed for polychlorinated biphenyls (PCBs) in general accordance with EPA Method 8082, since in some instances hydraulic oils are contaminated with PCBs. The sample KB3-10' was also analyzed for total petroleum hydrocarbons (TPH) -gasoline range (THPg), -diesel range (THPd), and extended range (THPext) in general accordance with EPA Method 8015 - Modified; for benzene, toluene, ethylbenzene, and total xylenes (BTEX) in general accordance with EPA Method 8260B; and for total lead in general accordance with EPA Method 6010.

No BTEX or PCB compounds, or gasoline-range compounds, were detected in sample KB3-10'. KB3-10' did report a lead concentration value of 1.25 mg/kg, but this concentration is indicative of naturally occurring lead in Site sediment/soils. Figure 4 presents a cross-sectional interpretation of the data in the vicinity of the mechanics pit and inferred former hoist.

Table 1 summarizes the results of the February sampling events including TRPH, as well as those for TPH, BTEX, PCBs and total lead.

**Table 1**  
**Summary of Soil Sampling Results with Reported TRPH Concentrations**

| Soil Boring | Soil Sample Name | TRPH Results (mg/kg) | TPH Results (mg/kg)                   | BTEX Results (mg/kg) | PCB Results (mg/kg) | Lead Results (mg/kg) |
|-------------|------------------|----------------------|---------------------------------------|----------------------|---------------------|----------------------|
| B6          | B6-6'            | 590                  | NA                                    | NA                   | NA                  | NA                   |
| B7          | B7-6'            | 31                   | NA                                    | NA                   | NA                  | NA                   |
| B7          | B7-8'            | 78                   | NA                                    | NA                   | NA                  | NA                   |
| B11         | B11-5'           | 636                  | 303 oil range                         | NA                   | ND                  | NA                   |
| B11         | B11-6.5'         | 446                  | NA                                    | NA                   | NA                  | NA                   |
| KB1         | KB1-15'          | 38                   | NA                                    | NA                   | NA                  | NA                   |
| KB3         | KB3-5'           | 2,200                | NA                                    | NA                   | NA                  | NA                   |
| KB3         | KB3-10'          | 64,800               | 1,440 diesel range<br>3,170 oil range | ND                   | ND                  | 1.25                 |
| KB3         | KB3-15'          | 5,360                | NA                                    | NA                   | NA                  | NA                   |

TRPH = total recoverable petroleum hydrocarbons by EPA Method 418.1  
 BTEX = benzene, toluene, ethylbenzene, total xylenes by EPA Method 8021B  
 PCBs = polychlorinated biphenyls by EPA Method 8082  
 mg/kg = milligrams per kilogram  
 ND = no compounds detected above the reportable limits for each specific analytical method  
 NA = not analyzed

CASS STREET

SIDEWALK

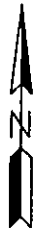
| KB4 | TPRH |
|-----|------|
| 5'  | <10  |
| 10' | <10  |
| 15' | <10  |

| KB3 | TPRH   | TPHg | TPHd  | TPHho |
|-----|--------|------|-------|-------|
| 5'  | 2,200  | --   | --    | --    |
| 10' | 64,800 | <1   | 1,440 | 3,170 |
| 15' | 5,360  | --   | --    | --    |

| B4 | TPRH |
|----|------|
| 7' | <10  |

| B5 | TPRH |
|----|------|
| 5' | <10  |
| 8' | <10  |

| KB2 | TPRH |
|-----|------|
| 5'  | <10  |
| 10' | <10  |
| 15' | <10  |



OIL AST

FORMER COMPRESSOR

CALAFETA INSURANCE AGENCY

FRESH CEMENT SURFACE

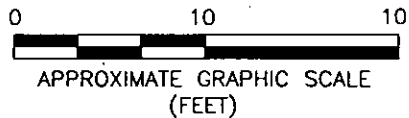
INTERPRETED EXTENT OF TRPH

ALLEY

**EXPLANATION:**

- Not Analyzed
- ⊙ Hand Auger Boring
- ⊕ HSA Boring
- KB2 Boring Designation
- TPRH Total Recoverable Petroleum Hydrocarbon by EPA Method 418
- 5' Five Feet Below Grade
- <10 Analyte not detected at Reportable Limit of 10 Milligrams per Kilogram

- TPH Total Petroleum Hydrocarbons
- g Gas Range
- d Diesel Range
- hd Heavy Oil Range



**KLEINFELDER**

5015 SHOREHAM PLACE  
SAN DIEGO, CALIFORNIA 92122

CHECKED BY: JL  
PROJECT NO. 12191

FN: 12191SS  
DATE: 06/2002

**RESULTS OF SOIL SAMPLING**  
(in milligrams per kilograms)  
**McKINNON SMERDON PARTNERSHIP**  
1011 GRAND AVENUE  
SAN DIEGO, CALIFORNIA

FIGURE

**3**

## 6.0 INVESTIGATIVE RESULTS

### 6.1 GEOLOGY

Soil samples were collected from six borings at the site on February 6, 2001. Lithologic descriptions of materials encountered during drilling operations are summarized as follows:

Fill

Reddish brown to dark gray clayey sands or reworked Bay Point Formation sands. Well graded. Dry. Stiff. Typically approximately 5 feet thick.

Bay Point Formation

Dark brown to reddish brown coarse- to medium-grained sand. Some mollusk shells observed. Moderately stiff. Dry to slightly moist.

### 6.2 ANALYTICAL RESULTS

A site plan showing approximate boring locations is presented in Figure 2. Soil analytical results are presented in Tables 1 and 2. The results reporting detected concentrations of TRPH are summarized in the following table:

**Summary of Soil Sampling Results with Reported TRPH Concentrations**

| Soil Boring | Soil Sample | TRPH Results (mg/kg) | TPH Results (mg/kg)                   | BTEX Results (mg/kg) | PCB Results (mg/kg) | Lead Results (mg/kg) |
|-------------|-------------|----------------------|---------------------------------------|----------------------|---------------------|----------------------|
| B6          | B6-6'       | 590                  | NA                                    | NA                   | NA                  | NA                   |
| B7          | B7-6'       | 31                   | NA                                    | NA                   | NA                  | NA                   |
| B7          | B7-8'       | 78                   | NA                                    | NA                   | NA                  | NA                   |
| B11         | B11-5'      | 636                  | 303 oil range                         | NA                   | ND                  | NA                   |
| B11         | B11-6.5'    | 446                  | NA                                    | NA                   | NA                  | NA                   |
| KB1         | KB1-15'     | 38                   | NA                                    | NA                   | NA                  | NA                   |
| KB3         | KB3-5'      | 2,200                | NA                                    | NA                   | NA                  | NA                   |
| KB3         | KB3-10'     | 64,800               | 1,440 diesel range<br>3,170 oil range | ND                   | ND                  | 1.25                 |
| KB3         | KB3-15'     | 5,360                | NA                                    | NA                   | NA                  | NA                   |

TRPH = total recoverable petroleum hydrocarbons by EPA Method 418.1

BTEX = benzene, toluene, ethylbenzene, total xylenes by EPA Method 8021B

PCBs = polychlorinated biphenyls by EPA Method 8082

mg/kg = milligrams per kilogram

<10 = no reportable concentrations detected above the laboratory detection limit of 10 mg/kg

ND = no compounds detected above the reportable limits for each specific analytical method.

NA = not analyzed.

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS OF**  
**TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)**  
**BY EPA METHOD 418.1**  
**(reported in milligrams per kilogram)**

| Sample No.                      | Sample Depth (feet below grade) | TRPH results |
|---------------------------------|---------------------------------|--------------|
| <b>Samples Collected 2/5/01</b> |                                 |              |
| B4-4'                           | 4                               | <10          |
| B5-5'                           | 5                               | <10          |
| B5-8'                           | 8                               | <10          |
| B6-6'                           | 6                               | 590          |
| B6-8'                           | 8                               | <10          |
| B7-6'                           | 6                               | 31           |
| B7-8'                           | 8                               | 78           |
| B8-6'                           | 6                               | <10          |
| B8-8'                           | 8                               | <10          |
| B9-6'                           | 6                               | <10          |
| B9-8'                           | 8                               | <10          |
| B10-7'                          | 7                               | <10          |
| B10-8.5'                        | 8.5                             | <10          |
| B11-5'                          | 5                               | 636          |
| B11-6.5'                        | 6.5                             | 446          |

| Sample No.                       | Sample Depth (feet below grade) | TRPH results |
|----------------------------------|---------------------------------|--------------|
| <b>Samples Collected 2/13/01</b> |                                 |              |
| KB1-5'                           | 5                               | <10          |
| KB1-10'                          | 10                              | <10          |
| KB1-15'                          | 15                              | 38           |
| KB2-5'                           | 5                               | <10          |
| KB2-10'                          | 10                              | <10          |
| KB2-15'                          | 15                              | <10          |
| KB3-5'                           | 5                               | 2,200        |
| KB3-10'                          | 10                              | 64,800       |
| KB3-15'                          | 15                              | 5,360        |
| KB4-5'                           | 5                               | <10          |
| KB4-10'                          | 10                              | <10          |
| KB4-15'                          | 15                              | <10          |
| KB5-5'                           | 5                               | <10          |
| KB5-10'                          | 10                              | <10          |
| KB5-15'                          | 15                              | <10          |
| KB6-5'                           | 5                               | <10          |
| KB6-10'                          | 10                              | <10          |

Note: "<10" indicates that TRPH was not detected above the reportable limit of 10 milligrams per kilogram

TABLE 2

SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS OF SELECTED SAMPLES FOR  
 EPA 8015 (TPH<sup>1</sup>), 8021B (BTEX<sup>2</sup>), 6010B (Lead), AND 8082 (PCBs<sup>3</sup>) SOILS ANALYSES  
 (Reported in milligrams per kilogram)

| Sample Number | TRPH <sup>4</sup> | TPH               |        |            | Benzene         | Toluene | Ethyl-benzene | Total Xylenes | Lead | PCBs         |              |
|---------------|-------------------|-------------------|--------|------------|-----------------|---------|---------------|---------------|------|--------------|--------------|
|               |                   | Gasoline          | Diesel | Heavy Oils |                 |         |               |               |      | Aroclor-1016 | Aroclor-1221 |
| B11-5'        | 636               | <1.0 <sup>5</sup> | <10    | 303        | NA <sup>6</sup> | NA      | A             | NA            | NA   | Aroclor-1016 | <0.033       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor-1221 | <0.067       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor-1232 | <0.033       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor-1242 | <0.033       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor-1248 | <0.033       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor-1254 | <0.033       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor-1260 | <0.033       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor-1262 | <0.033       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor 1268 | <0.033       |
| KB3-10'       | 64,800            | <1.0              | 1,440  | 3,170      | <0.005          | <0.005  | <0.005        | <0.010        | 1.26 | Aroclor-1016 | <0.033       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor-1221 | <0.067       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor-1232 | <0.033       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor-1242 | <0.033       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor-1248 | <0.033       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor-1254 | <0.033       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor-1260 | <0.033       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor-1262 | <0.033       |
|               |                   |                   |        |            |                 |         |               |               |      | Aroclor 1268 | <0.033       |

Notes:

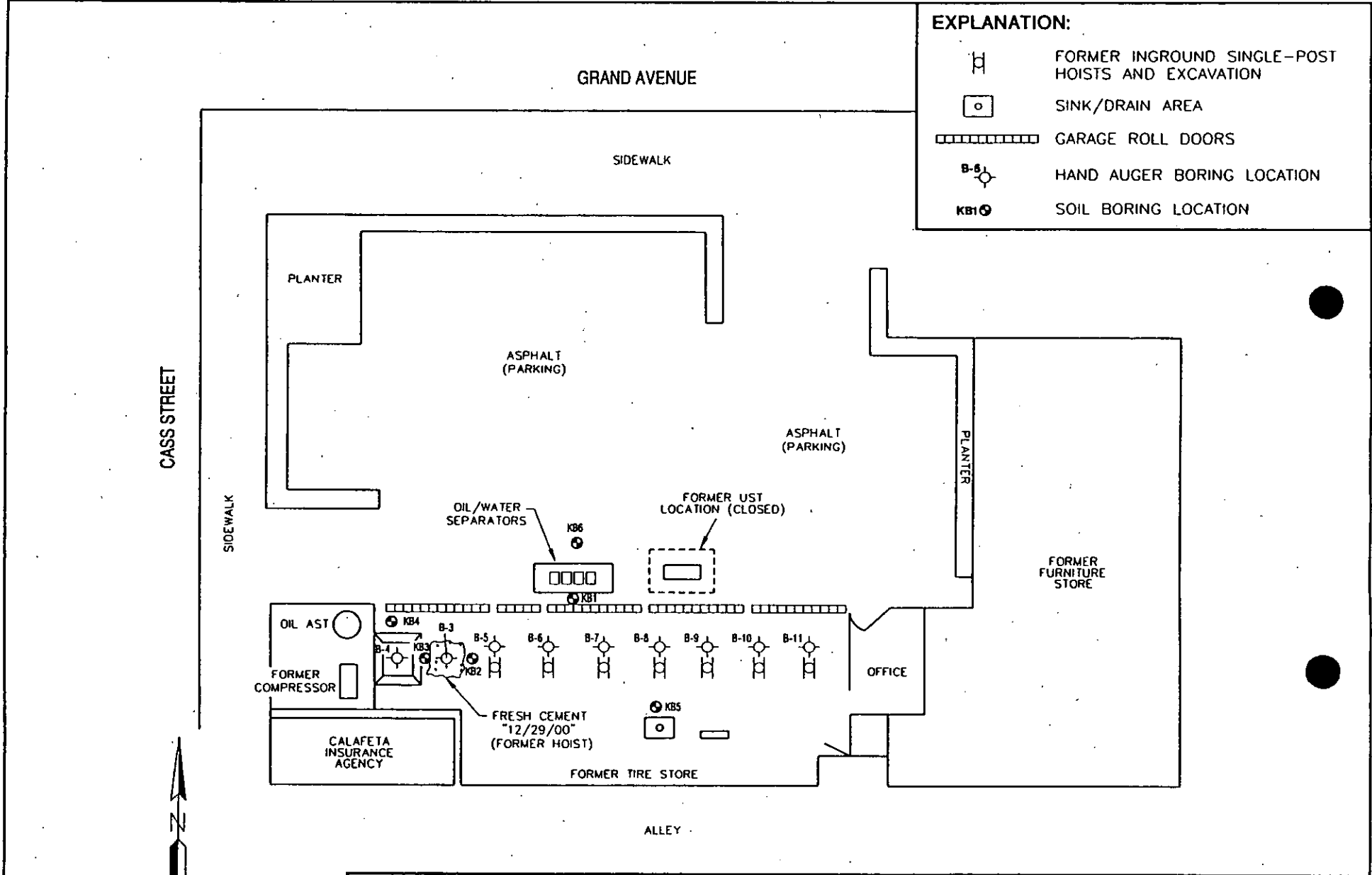
TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, total xylenes



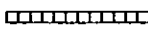


PCBs = polychlorinated biphenyls

TRPH = total recoverable petroleum hydrocarbons

"<#" indicates that constituent of concern was not detected above the reportable limit of # milligrams per kilogram.



**EXPLANATION:**

-  FORMER INGROUND SINGLE-POST HOISTS AND EXCAVATION
-  SINK/DRAIN AREA
-  GARAGE ROLL DOORS
-  HAND AUGER BORING LOCATION
-  SOIL BORING LOCATION

CASS STREET

GRAND AVENUE

SIDEWALK

PLANTER

ASPHALT (PARKING)

ASPHALT (PARKING)

OIL/WATER SEPARATORS

FORMER UST LOCATION (CLOSED)

FORMER FURNITURE STORE

OIL AST

FORMER COMPRESSOR

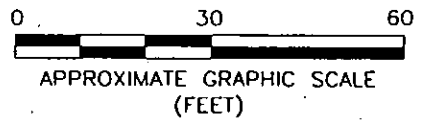
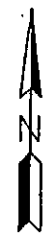
CALAFETA INSURANCE AGENCY


FRESH CEMENT "12/29/00" (FORMER HOIST)

FORMER TIRE STORE

OFFICE

ALLEY



|  |               |
|--|---------------|
|  <b>KLEINFELDER</b><br>5015 SHOREHAM PLACE<br>SAN DIEGO, CALIFORNIA 92122 |               |
| CHECKED BY: JL   | FN: 5798site  |
| PROJECT NO. 51-5798-00   | DATE: 03/2001 |

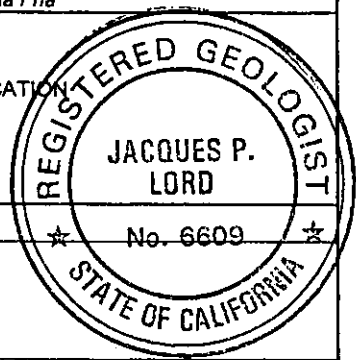
**SOIL SAMPLING LOCATIONS**

**McKINNON SMERDON PARTNERSHIP**  
 1011 GRAND AVENUE  
 SAN DIEGO, CALIFORNIA


FIGURE  
**2**

|                                |                       |  |                                  |   |              |                                  |
|--------------------------------|-----------------------|--|----------------------------------|---|--------------|----------------------------------|
| PROJECT NO.: 51-5798-00        |                       | <b>LOG OF BORING KB1</b>                   |                                  |   | SHEET 1 of 1 |                                  |
| DRILLING METHOD: HSA           |                       | PROJECT NAME: MCKINNON SMERDON PARTNERSHIP |                                  | LOCATION: 1011 Grand Ave. Pacific Beach, CA |              |                                  |
| DRILLING EQUIPMENT: LAR-CME 75 |                       | SAMPLING METHOD: SPT                       |                                  | SURFACE ELEVATION: NA                       |              | TOTAL DEPTH OF BOREHOLE: 15.0 ft |
| DATE                           | STARTED: 2/13/2001    | DRILLING COMPANY: West Hazmat              | BOREHOLE DIAMETER: 8" HSA 2" SPT | GROUNDWATER DEPTH/ELEV. (ft)                |              | MEASUREMENT DATE and TIME        |
|                                | COMPLETED: 2/13/2001  | SURFACE CONDITIONS: Concrete               |                                  | ∇ na / na                                   |              |                                  |
|                                | BACKFILLED: 2/12/2001 | LOGGED BY: KSA                             | REVIEWED BY: JPL                 | ∇ na / na                                   |              |                                  |

| DEPTH (ft) | SAMPLE                   |         | TPHg, TPHd (mg/kg) | PID/OVA (ppm) | GRAPHIC LOG | DESCRIPTION AND CLASSIFICATION  |
|------------|--------------------------|---------|--------------------|---------------|-------------|---|
|            | BLOW COUNTS (BLOWS/FOOT) | ID      |                    |               |             |   |
|            |                          |         |                    |               |             | Concrete<br><u>FILL:</u>  |
|            |                          |         |                    |               |             | <u>BAY POINT FORMATION:</u><br>SILTY SAND (SM), reddish brown, dry, moderately dense, no hydrocarbon odor |
| 5          | 26                       | KB1-5'  |                    |               |             |   |
| 10         | 26                       | KB1-10' |                    |               |             |   |
|            |                          |         |                    |               |             | WELL SORTED SAND (SP), tan, cobbles at 14.8 ft.   |
| 15         | 50/6"                    | KB1-15' |                    |               |             | Bottom of boring at 15 ft.<br>Backfilled with hydronated bentonite chips and capped with concrete         |



WELL LOG 5798LOG.GPJ TROLLEY GDT 3/13/01



**KLEINFELDER**  
5015 SHOREHAM PLACE  
SAN DIEGO, CALIFORNIA 92122

THIS SUMMARY APPLIES ONLY AT THE LOCATION OF THIS BORING AND AT THE TIME OF DRILLING. SUBSURFACE CONDITIONS MAY DIFFER AT OTHER LOCATIONS AND MAY CHANGE AT THIS LOCATION WITH THE PASSAGE OF TIME. THE DATA PRESENTED IS A SIMPLIFICATION OF THE ACTUAL CONDITIONS ENCOUNTERED.

FIGURE  
**KB1**

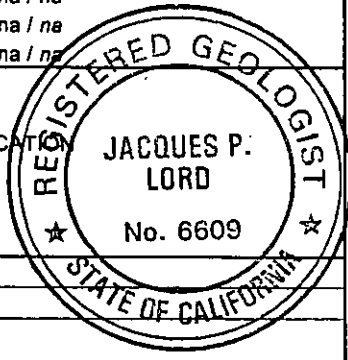


DRILLING METHOD: HSA PROJECT NAME: MCKINNON SMERDON PARTNERSHIP LOCATION: 1011 Grand Ave. Pacific Beach, CA

DRILLING EQUIPMENT: LAR-CME 75 SAMPLING METHOD: SPT SURFACE ELEVATION: NA TOTAL DEPTH OF BOREHOLE: 15.5 ft

|      |                       |                               |                                  |                              |                           |
|------|-----------------------|-------------------------------|----------------------------------|------------------------------|---------------------------|
| DATE | STARTED: 2/13/2001    | DRILLING COMPANY: West Hazmat | BOREHOLE DIAMETER: 8" HSA 2" SPT | GROUNDWATER DEPTH/ELEV. (ft) | MEASUREMENT DATE and TIME |
|      | COMPLETED: 2/13/2001  | SURFACE CONDITIONS: Concrete  |                                  | ∇ na / na                    |                           |
|      | BACKFILLED: 2/12/2001 | LOGGED BY: KSA                | REVIEWED BY: JPL                 | ∇ na / na                    |                           |

| DEPTH (ft) | SAMPLE                   |        | TPHg, TPHd (mg/kg) | PID/OVA (ppm) | GRAPHIC LOG | DESCRIPTION AND CLASSIFICATION  |
|------------|--------------------------|--------|--------------------|---------------|-------------|---|
|            | BLOW COUNTS (BLOWS/FOOT) | ID     |                    |               |             |   |
|            |                          |        |                    |               |             | Cement  |
|            |                          |        |                    |               |             | Sand fill   |
|            |                          |        |                    |               |             | Silty sand fill   |
|            |                          |        |                    |               |             | <b>BAY POINT FORMATION:</b>   |
|            |                          |        |                    |               |             | SILTY SAND (SM), reddish brown, dry, moderately dense, no hydrocarbon odor                        |
| 5          | 31                       | KB2-5  |                    |               |             | SILTY SAND (SM), reddish brown, dry, moderately stiff, no hydrocarbon odor or stains              |
| 10         | 38                       | KB2-10 |                    |               |             | SAND (SP), tannish red, dry, no hydrocarbon staining  |
| 15         | 50                       | KB2-15 |                    |               |             | SAND with some GRAVEL (SP), tannish red, dry, no hydrocarbon odor or stains                       |
|            |                          |        |                    |               |             | Bottom of boring at 15.5 ft.<br>Backfilled with hydrated bentonite chips and capped with concrete |



WELL LOG 5798LOG.GPJ TROLLEY.GDT 3/13/01



**KLEINFELDER**  
5015 SHOREHAM PLACE  
SAN DIEGO, CALIFORNIA 92122

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FIGURE  
**KB2**

PROJECT NO.: 51-5798-00

**LOG OF BORING KB3**

SHEET 1 of 1

DRILLING METHOD: HSA

PROJECT NAME: MCKINNON SMERDON PARTNERSHIP

LOCATION: 1011 Grand Ave. Pacific Beach, CA

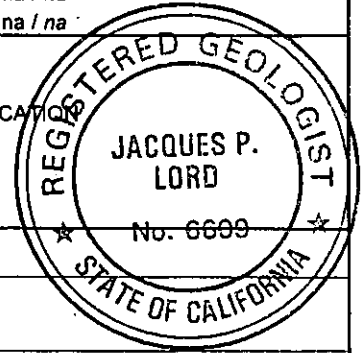
DRILLING EQUIPMENT: LAR-CME 75

SAMPLING METHOD: SPT

SURFACE ELEVATION: NA

TOTAL DEPTH OF BOREHOLE: 15.0 ft

|      |                       |                               |                                  |                              |                           |
|------|-----------------------|-------------------------------|----------------------------------|------------------------------|---------------------------|
| DATE | STARTED: 2/13/2001    | DRILLING COMPANY: West Hazmat | BOREHOLE DIAMETER: 8" HSA 2" SPT | GROUNDWATER DEPTH/ELEV. (ft) | MEASUREMENT DATE and TIME |
|      | COMPLETED: 2/13/2001  | SURFACE CONDITIONS: Concrete  |                                  | ∇ na / na                    |                           |
|      | BACKFILLED: 2/12/2001 | LOGGED BY: KSA                | REVIEWED BY: JPL                 | ∇ na / na                    |                           |



| DEPTH (ft) | SAMPLE                   |        | TPHg, TPHd (mg/kg) | PID/OVA (ppm) | GRAPHIC LOG        | DESCRIPTION AND CLASSIFICATION  |
|------------|--------------------------|--------|--------------------|---------------|--------------------|---|
|            | BLOW COUNTS (BLOWS/FOOT) | ID     |                    |               |                    |   |
| 5          | 24                       | KB3-5  |                    |               | [Concrete symbol]  | Concrete  |
|            |                          |        |                    |               | [Fill Sand symbol] | Fill Sand   |
|            |                          |        |                    |               |                    | <b>BAY POINT FORMATION:</b><br>SAND (SP/SM), dry, moderately dense, no hydrocarbon odor or staining |
| 10         | 41                       | KB3-10 |                    |               | [Sand symbol]      | SAND (SP/SM), dry, dense, no hydrocarbon odor or staining   |
| 15         | 50/3"                    | KB3-15 |                    |               | [Bottom symbol]    | Bottom of boring at 15 ft.<br>Backfilled with hydrated bentonite chips and capped with concrete     |

WELL LOG 5798LOG.GPJ TROLLEY.GDT 3/13/01



**KLEINFELDER**

5015 SHOREHAM PLACE  
SAN DIEGO, CALIFORNIA 92122

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FIGURE

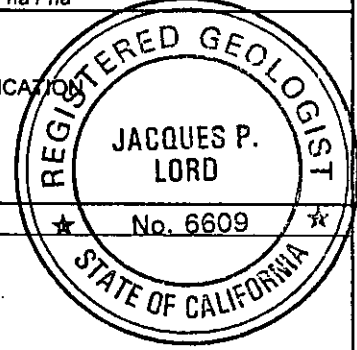
**KB3**

DRILLING METHOD: HSA PROJECT NAME: MCKINNON SMERDON PARTNERSHIP LOCATION: 1011 Grand Ave. Pacific Beach, CA

DRILLING EQUIPMENT: LAR-CME 75 SAMPLING METHOD: SPT SURFACE ELEVATION: NA TOTAL DEPTH OF BOREHOLE: 14.5 ft

|      |                       |                               |                                  |                              |                           |
|------|-----------------------|-------------------------------|----------------------------------|------------------------------|---------------------------|
| DATE | STARTED: 2/13/2001    | DRILLING COMPANY: West Hazmat | BOREHOLE DIAMETER: 8" HSA 2" SPT | GROUNDWATER DEPTH/ELEV. (ft) | MEASUREMENT DATE and TIME |
|      | COMPLETED: 2/13/2001  | SURFACE CONDITIONS: Concrete  |                                  | na / na                      |                           |
|      | BACKFILLED: 2/12/2001 | LOGGED BY: KSA                | REVIEWED BY: JPL                 | na / na                      |                           |

| DEPTH (ft) | SAMPLE                   |        | TPHg, TPHd (mg/kg) | PID/OVA (ppm) | GRAPHIC LOG | DESCRIPTION AND CLASSIFICATION  |
|------------|--------------------------|--------|--------------------|---------------|-------------|---|
|            | BLOW COUNTS (BLOWS/FOOT) | ID     |                    |               |             |   |
|            |                          |        |                    |               |             | Cement  |
|            |                          |        |                    |               |             | Fill  |
|            |                          |        |                    |               |             | <b>BAY POINT FORMATION:</b><br>SILTY SAND (SM), reddish brown, dry, medium dense, no odor or staining |
| 5          | 15                       | KB4-5  |                    |               |             | SAND (SW), reddish brown, dry, loose, no odor or staining   |
| 10         | 43                       | KB4-10 |                    |               |             | SAND (SP), dry, stiff, few fines, no odor or staining   |
| 15         | 50/6"                    | KB4-15 |                    |               |             | Bottom of boring at 14.5 ft.<br>Backfilled with hydrated bentonite chips and capped with concrete     |



WELL\_LOG\_5798LOG.GPJ TROLLLEY.GDT 3/13/01

**KLEINFELDER**  
5015 SHOREHAM PLACE  
SAN DIEGO, CALIFORNIA 92122

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FIGURE  
**KB4**

PROJECT NO.: 51-5798-00 **LOG OF BORING KB5** SHEET 1 of 1

DRILLING METHOD: HSA PROJECT NAME: MCKINNON SMERDON PARTNERSHIP LOCATION: 1011 Grand Ave. Pacific Beach, CA

DRILLING EQUIPMENT: LAR-CME 75 SAMPLING METHOD: SPT SURFACE ELEVATION: NA TOTAL DEPTH OF BOREHOLE: 14.5 ft

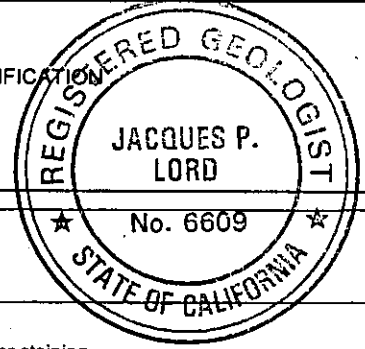
DATE STARTED: 2/13/2001 DRILLING COMPANY: West Hazmat BOREHOLE DIAMETER: 8" HSA 2" SPT GROUNDWATER DEPTH/ELEV. (ft) MEASUREMENT DATE and TIME

COMPLETED: 2/13/2001 SURFACE CONDITIONS: Concrete

BACKFILLED: 2/12/2001 LOGGED BY: KSA REVIEWED BY: JPL

na / na  
na / na  
na / na

| DEPTH (ft) | SAMPLE                   |        | TPHd (mg/kg) | PID/OVA (ppm) | GRAPHIC LOG | DESCRIPTION AND CLASSIFICATION  |
|------------|--------------------------|--------|--------------|---------------|-------------|---|
|            | BLOW COUNTS (BLOWS/FOOT) | ID     |              |               |             |   |
| 0          |                          |        |              |               |             | Concrete Fill   |
| 5          | 30                       | KB5-5  |              |               |             | BAY POINT FORMATION:<br>SAND (SW), reddish brown, dry, moderately stiff, no odor or staining      |
| 10         | 37                       | KB5-10 |              |               |             | POORLY GRADED SAND (SP), tannish red, dry, moderately stiff, no hydrocarbon odor or staining      |
| 15         | 50/4"                    | KB5-15 |              |               |             | Gravel and cobbles (SP)   |
| 14.5       |                          |        |              |               |             | Bottom of boring at 14.5 ft.<br>Backfilled with hydrated bentonite chips and capped with concrete |



WELL LOG 5798LOG.GPJ TROLLEY.GDT 3/13/01

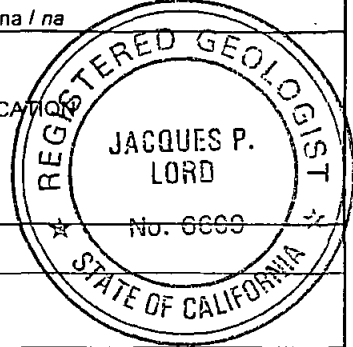
**KLEINFELDER**  
5015 SHOREHAM PLACE  
SAN DIEGO, CALIFORNIA 92122

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FIGURE  
**KB5**

|                                |                       |  |                                  |   |                                  |
|--------------------------------|-----------------------|--|----------------------------------|---|----------------------------------|
| PROJECT NO.: 51-5798-00        |                       | <b>LOG OF BORING KB3</b>                   |                                  | SHEET 1 of 1                                |                                  |
| DRILLING METHOD: HSA           |                       | PROJECT NAME: MCKINNON SMERDON PARTNERSHIP |                                  | LOCATION: 1011 Grand Ave. Pacific Beach, CA |                                  |
| DRILLING EQUIPMENT: LAR-CME 75 |                       | SAMPLING METHOD: SPT                       |                                  | SURFACE ELEVATION: NA                       | TOTAL DEPTH OF BOREHOLE: 15.0 ft |
| DATE                           | STARTED: 2/13/2001    | DRILLING COMPANY: West Hazmat              | BOREHOLE DIAMETER: 8" HSA 2" SPT | GROUNDWATER DEPTH/ELEV. (ft)                | MEASUREMENT DATE and TIME        |
|                                | COMPLETED: 2/13/2001  | SURFACE CONDITIONS: Concrete               |                                  | ∇ na / na                                   | ∇ na / na                        |
|                                | BACKFILLED: 2/12/2001 | LOGGED BY: KSA                             | REVIEWED BY: JPL                 |   |                                  |

| DEPTH (ft) | SAMPLE                   |        | TPHg, TPHd (mg/kg) | PID/OVA (ppm) | GRAPHIC LOG | DESCRIPTION AND CLASSIFICATION  |
|------------|--------------------------|--------|--------------------|---------------|-------------|---|
|            | BLOW COUNTS (BLOWS/FOOT) | ID     |                    |               |             |   |
|            |                          |        |                    |               |             | Concrete  |
|            |                          |        |                    |               |             | Fill Sand   |
|            |                          |        |                    |               |             | <b>BAY POINT FORMATION:</b><br>SAND (SP/SM), dry, moderately dense, no hydrocarbon odor or staining |
| 5          | 24                       | KB3-5  |                    |               |             |   |
| 10         | 41                       | KB3-10 |                    |               |             | SAND (SP/SM), dry, dense, no hydrocarbon odor or staining   |
| 15         | 50/3"                    | KB3-15 |                    |               |             | Bottom of boring at 15 ft.<br>Backfilled with hydrated bentonite chips and capped with concrete     |



WELL LOG 5798LOG GPJ TROLLEY.GDT 3/13/01



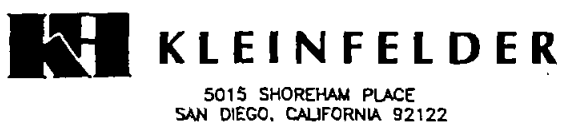
**KLEINFELDER**  
5015 SHOREHAM PLACE  
SAN DIEGO, CALIFORNIA 92122

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FIGURE  
**KB3**

|  |                        |   |                           |   |                                  |
|--|------------------------|---|---------------------------|---|----------------------------------|
| PROJECT NO.: 12191                     |                        | <b>LOG OF BORING KMW-1</b>                          |                           | SHEET 1 of 1                            |                                  |
| DRILLING METHOD: Hollow Stem Auger     |                        | PROJECT NAME: McKinnon Smerdon Partnership          |                           | LOCATION: 1011 Grand Ave. San Diego, CA |                                  |
| DRILLING EQUIPMENT: Limited Access Rig |                        | SAMPLING METHOD: Split Spoon                        |                           | SURFACE ELEVATION: ---                  | TOTAL DEPTH OF BOREHOLE: 21.5 ft |
| DATE                                   | STARTED: 11/20/2002    | DRILLING COMPANY: Baja Exploration/Pacific Drilling | BOREHOLE DIAMETER: 8"     | GROUNDWATER DEPTH/ELEV. (ft)            |                                  |
|  | COMPLETED: 11/20/2002  | SURFACE CONDITIONS: Concrete                        |                           | MEASUREMENT DATE and TIME               |                                  |
|  | BACKFILLED: 11/20/2002 | LOGGED BY: Jeremiah Stock                           | REVIEWED BY: Jacques Lord | ∇ 21.00 / na 11/20/2002 3:30 p.m.       |                                  |

| DEPTH (ft) | SAMPLE                   |      |             | PID (ppm) | GRAPHIC LOG  | DESCRIPTION AND CLASSIFICATION   |
|------------|--------------------------|------|-------------|-----------|--|--|
|            | BLOW COUNTS (BLOWS/FOOT) | TYPE | ID          |           |  |  |
| 5          |                          |      |             |           | Well KMW-1 abandoned by overdrilling and backfilled with bentonite chips |  |
| 10         |                          |      |             |           |  |  |
| 15         |                          |      |             |           |  |  |
| 20         |                          |      | KMW-1-18.5' |           |  | SAND (SP), yellow-brown, moist to wet, fine to medium, some silt, no odor                                  |
|            |                          |      | KMW-1-21'   |           |  | Boring backfilled with bentonite chips (6 50-lb bags) and patched at surface with concrete (0.5 60-lb bag) |



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FIGURE  
**KMW-1**

|   |  |                                   |
|---|--|-----------------------------------|
| <b>MONITORING WELL CONSTRUCTION LOG - FLUSH</b> |  | <b>Well: KMW-1</b>                |
| Project No.: 12191                              | Client: McKinnon Trust                   | Location: 1011 Grand Ave.         |
| Date started: 9/19/02                           | Driller: Baja Exploration                | Rig Type: LAR "Mole" from Pacific |
| Date Completed: 9/19/02                         | Onsite Geologist: Jacques Lord, CEG 2232 |                                   |
| Reviewed By:                                    |  | Date:                             |

Surface elevation: Not known

