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Advanced Environmental Concepts, Inc. is pleased to present the following:

# Additional Soil and Groundwater Assessment

for

Former Vogue Tyres Facility
240 West MacArthur Boulevard
County of Alameda • Oakland, California

This report has been prepared for:

Mr. Warren Dodson Dodson Ltd.

March 2001

• ENVIRONMENTAL CONCEPTS WITH DESIGN IN MIND •

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#### 1.0 INTRODUCTION

This report presents the results of an additional subsurface soil and groundwater investigation, conducted by **Advanced Environmental Concepts, Inc**. (AEC), to further evaluate the migration of gasoline in the soil and groundwater proximal to the former underground storage tanks located at the northern portion of the property, and dispensing islands west of the former service station.

This additional assessment was conducted on February 13, 2001 in accordance with the work plan prepared by AEC and approved by the Alameda County Health Care Services (HCS). This additional investigation was authorized by Mr. Warren Dodson and performed under the supervision of Mr. Don Hwang, Hazardous Materials Specialist, ACHCS.

The subject site is in a commercially developed, densely populated area of the northern portion of Oakland, California. The property is currently occupied by Oakland Auto Repair, but was a former Gulf Service Station, then Tire Repair and Resale facility.

Contained in this report is background information, regional and local hydrogeological profiles, project history, objectives, scope of investigation, detailed investigative procedures, and subsequent findings. AEC provides an evaluation of said findings and makes related conclusions and recommendations. The report appendices contain project maps (**Appendix A**), boring logs (**Appendix B**), groundwater parameters (**Appendix C**), and Chain-of-Custody documentation/analytical results (**Appendix D**).

#### 2.0 BACKGROUND

The Gulf Service Station originally operated three 10,000 gallon gasoline underground storage tanks (USTs), and one 350 gallon waste oil UST. Historical records indicate that the service station existed since at least 1950. The current location of the Shell Service Station, located adjacent to, and south of the subject site was a fueling station since at least 1952. The three gasoline USTs were located at the northern portion of the property, (underneath the current building), and the waste oil UST was west of the service bays. The two pump islands were west of the northern portion of the existing building. According to previous historical research there are no records documenting the removal of the three 10,000 gallon gasoline USTs. The 350 gallon waste oil UST was removed in October 1996 by All Environmental, Inc (AEI).

On October 3, 1996, AEI removed the previously identified 350 gallon waste oil UST located west of the service bays. Oil-stained soil was identified on the floor and sidewalls of the excavation. Confirmation soil samples collected from the excavation indicated that soil beneath the former UST emplacement were impacted with petroleum hydrocarbons. At the request of ACHCS, AEI expanded the size of the excavation, then collected additional confirmation soil samples which indicated the successful removal of the contamination. Groundwater was not encountered during this excavation phase, however, due to the estimated proximity of the contamination to groundwater, a subsurface investigation was required by the HCS.

On January 8, 1997 AEI conducted a subsurface investigation consisting of six borings using a Geoprobe. Borings BH-1, BH-2, BH-4, and BH-6 were advanced to 20 feet below grade level (BGL), and BH-3 and BH-5 were probed to 16 feet BGL. Soil samples were collected at intervals of 5 feet, and "grab" groundwater samples were collected from inside the borings. Groundwater was identified at approximately 16 feet BGL.

The soil samples were analyzed in accordance with California Department of Health Services (CA DHS) method for total petroleum hydrocarbons as gasoline and diesel (TPH-g,d) and EPA Method 8020 for volatile

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aromatics (BTXE), and methyl tertiary butyl ether (MTBE). The soil samples were also analyzed for total lead, oil and grease, and poly nuclear aromatics (PNAs). Results of these analyses are listed in **Table 1**.

Table 1 Analytical Results of Soil Samples January 10, 1997

| Sample ID                   | TPH-d   | TPH-g   | Benzene | Toluene | Xylenes | Ethylbenzene |
|-----------------------------|---------|---------|---------|---------|---------|--------------|
|                             | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg)      |
| BH-1-15'                    | ND      | ND      | ND      | ND      | ND      | ND           |
| BH-2-15'                    | ND      | ND      | ND      | ND      | ND      | ND           |
| BH-3-15'                    | ND      | ND      | ND      | ND      | ND      | ND           |
| BH-4-15'                    | 370     | 1,100   | ND      | ND      | 14      | 4.4          |
| BH-5-15'                    | 1.9     | 2.1     | 0.009   | 0.006   | 0.016   | ND           |
| BH-6-15'                    | 140     | 190     | 0.25    | 0.5     | 3.6     | 0.84         |
| Detection<br>Limits (mg/kg) |         | 1.0     | 0.005   | 0.005   | 0.005   | 0.005        |

ND:

Non-detected at indicated level of detection.

Total lead concentrations ranged from 4.6 mg/kg to 23 mg/kg which is below the recommended action level of 50 mg/kg. MTBE was non-detect for all samples analyzed, oil and grease was only run on BH-2 and BH-3 and was less than 50 mg/kg, and the PNAs exhibited trace concentrations ranging between 1.1 and 41 mg/kg.

The groundwater samples were analyzed in accordance with TPH-g,d and EPA Method 8020 for BTXE, and MTBE. Groundwater samples were also analyzed for total lead, oil and grease, and PNAs. Results of these analyses are listed in **Table 2**.

Table 2
Analytical Results of Groundwater Samples
January 10, 1997

| Sample ID                   | TPH-d   | TPH-g   | Benzene | Toluene | Xylenes | Ethylbenzene |
|-----------------------------|---------|---------|---------|---------|---------|--------------|
| <del> </del>                | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg)      |
| BH1W                        | 490     | 330     | 2.0     | 0.72    | 1.3     | ND           |
| BH2W                        | 320     | ND      | ND      | ND      | ND      | ND           |
| BH4W                        | NA NA   | 6,600   | 58      | 13      | 270     | 110          |
| BH6W                        | 450     | 13,000  | 870     | 65      | 570     | 130          |
| Detection<br>Limits (mg/kg) |         | 1.0     | 0.005   | 0.005   | 0.005   | 0.005        |

ND:

Non-detected at indicated level of detection.

NA:

Not analyzed

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Soluble lead concentrations were below detection limits, MTBE ranged from below detection limits to 320 ug/L in BH6W, oil and grease was only run on BH2W and was less than 5 mg/L, and the PNAs exhibited non detectable concentrations. The elevated gasoline constituents prompted the Health department to request a further investigation.

On August 7, 1997, three Geoprobe soil borings (BH-7, BH-8, and BH-9), and four groundwater monitoring wells (MW-1, MW-2, MW-3, and MW-4) were drilled proximal to the western dispenser islands, and south, west, and north of the former UST emplacement. The investigative groundwater wells and Geoprobe borings were positioned to assess the vertical and lateral migration of hydrocarbons in the subsurface and to evaluate groundwater quality. The borings for the monitoring wells were advanced using a limited access, trackmounted mobile drilling rig, equipped with 8-inch O.D. continuous flight, hollow-stem augers. Boring locations are shown on **Figure 2.** 

Soil analyses were performed by Associated Laboratories, Inc. to determine the presence and concentrations of hydrocarbons at the subject site by EPA methods and 8015M and 8020. Analytical results for soil samples are presented in **Table 3**.

Table 3
Analytical Results - Soil Boring
August 7, 1997
(ppm)

| Sample ID | TPH-d   | TPH-g   | Benzene | Toluene | Xylenes | Ethylbenzene |
|-----------|---------|---------|---------|---------|---------|--------------|
|           | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg)      |
| BH-7-12'  | ND      | ND      | ND      | ND      | ND      | ND           |
| BH-7-16'  | ND      | ND      | ND      | ND      | ND      | ND           |
| BH-8-8'   | ND      | ND      | ND      | ND      | ND      | ND           |
| BH-8-12'  | ND      | 168     | 0.02    | ND      | 5.1     | 0.45         |
| BH-8-16'  | ND      | 21      | 0.027   | 0.07    | 0.75    | ND           |
| BH-9-8'   | ND      | ND      | ND      | 0.032   | 0.28    | 0.029        |
| BH-9-12'  | ND      | DN      | ND      | 0.012   | ND      | ND           |
| BH-9-16'  | ND      | ND      | ND      | ND      | ND      | ND           |
| MW-1-10'  | ND      | ND      | ND      | ND      | ND      | ND           |
| MW-1-17'  | ND      | ND      | ND      | 0.031   | ND      | ND           |
| MW-2-10'  | ND      | ND      | ND      | ND      | ND      | ND           |
| MW-2-17'  | ND      | 16      | 0.035   | 0.037   | 0.15    | 0.018        |
| MW-3-10'  | ND      | ND      | ND      | ND      | ND      | ND           |
| MW-3-15'  | ND      | ND      | 0.027   | ND      | ND      | ND           |

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# Table 3 (cont'd) Analytical Results - Soil Boring August 7, 1997 (ppm)

| Sample ID | TPH-d   | TPH-g   | Benzene | Toluene | Xylenes | Ethylbenzene |
|-----------|---------|---------|---------|---------|---------|--------------|
|           | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg)      |
| MW-4-10'  | ND      | ND      | ND      | ND      | ND      | ND           |
| MW-4-17'  | ND      | ND      | ND      | ND      | ND      | ND           |

ND: Non Detected at indicated limit of detection

Water analyses were performed by Associated Laboratories, Inc. to determine the presence and concentrations of hydrocarbons at the subject site by EPA methods and 8015M and 8020. Analytical results for soil samples are presented in **Table 4**.

Table 4 Analytical Results - Monitoring Wells August 8, 1997 (ppb)

| Sample ID                  | TPH-d  | TPH-g  | Benzene | Toluene | Xylenes | Ethylbenzene |
|----------------------------|--------|--------|---------|---------|---------|--------------|
|                            | (mg/L) | (mg/L) | (mg/L)  | (mg/L)  | (mg/L)  | (mg/L)       |
| MVV-1                      | ND     | 1,140  | 110     | 16      | 112     | 15           |
| MW-2                       | ND     | 5,350  | 108     | 36      | 144     | 33           |
| MW-3                       | ND     | 8,500  | 450     | 30      | 106     | 53           |
| MW-4                       | ND     | ND     | ND      | ND      | ND      | ND           |
| Detection<br>Limits (mg/L) |        | 5.00   | 0.0050  | 0.0050  | 0.0050  | 0.0050       |

ND: Non Detected at indicated limit of detection

Table 5 Biological Factors August 8, 1997 (ppb)

| Sample ID | 2580B   | 300.0<br>Nitrate | 300.0<br>Sulfate | 310.0   | 3500<br>FED | 360.1   |
|-----------|---------|------------------|------------------|---------|-------------|---------|
|           | (mg/kg) | (mg/kg)          | (mg/kg)          | (mg/kg) | (mg/kg)     | (mg/kg) |
| MW-1      | 311     | 7.1              | 92               | 238     | 0.10        | 8.2     |
| MW-2      | 331     | 0                | 43               | 398     | 0.50        | 6.3     |

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#### Table 5 (cont'd) Biological Factors August 8, 1997 (ppb)

| Sample ID                   | 2580B   | 300.0<br>Nitrate | 300.0<br>Sulfate | 310.0   | 3500<br>FED | 360.1   |
|-----------------------------|---------|------------------|------------------|---------|-------------|---------|
|                             | (mg/kg) | (mg/kg)          | (mg/kg)          | (mg/kg) | (mg/kg)     | (mg/kg) |
| MW-3                        | 330     | 0                | 56               | 368     | ND          | 7.9     |
| MW-4                        | 307     | 19.5             | 87               | 140     | ND          | 7.8     |
| Detection<br>Limits (mg/kg) |         | 5                | 5                | 5.0     | 0.10        |         |

2580B:

Redox Potential @ Temp

300.0:

Nitrate As NO3 by Ion Chromatograph

310.1

Alkalinity

3500FED:

Ferrous Iron

360.1:

Dissolved Oxygen, Membrane Electrode

To establish a baseline for closure it became evident that AEC needed to identify the lateral migration of the gasoline plume. This recent monitoring well installation is in response to that desire.

#### 3.0 SITE GEOLOGY and DEPTH TO GROUNDWATER

The subject property is west of the San Francisco Bay in the foothills of Oakland. The foothills of Oakland are composed of alluvial fans and non-marine terraces with elevations from 150 to 500-feet above mean sea level. The area slopes regionally to the southwest with gradients ranging from 25 to 200-feet per mile.

The alluvial deposits of Recent age that comprise the area consist mainly of sands, gravels, silts, and clays. Generally, the coarse grained sediments are deposited near the inland hills as alluvial fans, whereas deposition of progressively finer grained sediments occurs toward the San Francisco Bay and marshlands. The upper fan areas are interpreted as intake areas where recharge of groundwater takes place. Hydraulic continuity may exist between alluvial sediments of the fan areas and certain water-bearing sediments of the central lowlands. Replenishment of groundwater occurs in the intake area by infiltration from major streams within their permeable channels and from precipitation.

The regional stratigraphy is comprised of interbedded silt, clay, and sand that is typical of sediments deposited on alluvial fans and terraces during flood stages. Generally, from grade level to a depth of 19 feet BGL a silty sand (SM) is present, containing lenticular deposits of silt and silty clay. From 19 feet to approximately 22 feet BGL, a coarse grained sand to gravel was logged and is water saturated. This permeable zone is "perched" on a less permeable clayey silt. The sedimentation typifies older, higher energy stream channels (coarse grained sand (SP) to gravel (GC)) and flood stage stream deposits (silt (ML) and clay (CL)).

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#### 3.1 Soil Profile

The soil profile at the site, from grade level to approximately 7 feet BGL consists of a tan, moderately compact, silt to clayey silt (ML-SM). From 7 feet to 12 feet BGL an olive, moderately dense, fine-grained silty sand (SM) occurs. From 12 to 14-feet BGL an olive-brown, moderately dense, unconsolidated sand (SM-SP) is present. From 14 to 19 feet BGL a tan-brown, moderately compact clayey silt is identified (ML), and is underlain by a multi-colored, unconsolidated coarse-grain sand and gravel (SW-GC) to a depth of 22 feet BGL. This water-bearing sand is "perched" on a less permeable clayey silt.

#### 4.0 ASSESSMENT ACTIVITIES

#### 4.1 Decontamination Procedures

Prior to beginning drilling operations, the augers and associated equipment were thoroughly cleaned using a high pressure steam cleaner. In addition, the soil sampler was washed in an Alconox solution and rinsed with deionized water (prior to initial use and between each sampling interval) to minimize the possibility of cross-contamination between samples.

#### 4.2 Groundwater Monitoring Wells

On February 13, 2001 four groundwater monitoring wells (MW-1,2,3, and 4) were drilled on the subject property. The wells were positioned to assess the lateral migration of hydrocarbons in the groundwater and advanced using a track-mounted limited-access drill rig, equipped with 8-inch O.D. continuous flight, hollow-stem augers. Well locations are presented on **Figure 2.** 

Soil samples were collected using a split-spoon sampler at 5-foot intervals to groundwater at approximately 19 feet BGL. The monitoring wells were constructed of 2-inch diameter, flush-threaded, Schedule 40 PVC casing with the 0.010-inch screened interval positioned between 19-feet and 9- feet BGL (Appendix A, Figure 3). A 2-inch, flush-threaded, end cap was installed on the bottom of the screen to act as a sediment trap. The annulus around the screened interval was packed with Number 2/12 Monterey sand to approximately 1-2 feet above the screened interval, followed by approximately-2 feet of hydrated bentonite chips. The remaining annular space was backfilled with a cement slurry. A metal, locking traffic box was installed and cemented in place to protect the well head. Well construction details are depicted graphically in the appended boring logs.

## 4.3 Well Development / Sampling

On February 14, 2001, the newly installed wells were purged by pumping water using a "Whale" 1-inch submersible pump. Approximately 15 gallons of water were removed from each well until the fine sediments were less than 10% by volume. Water bearing zone parameters of pH, temperature and conductivity were obtained using a HYDAC meter, and recorded at 3-gallon intervals. The aquifer was allowed to stabilize to within 10% of its original standard level then sampled. Prior to sampling, the monitoring well was measured for depth to water. Groundwater samples were collected from the well using a stainless steel bailer. The bailed water was transferred to clean, labeled, VOA vials and

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sealed with Teflon-lined septa. Care was exercised to ensure that no air bubbles were present inside the vials. The glass containers were placed in protective padding and stored on Blue Ice for shipment to Zalco Laboratories, Inc., a California-certified laboratory.

#### 5.0 ANALYTICAL RESULTS

Soil analyses were performed by Zalco Laboratories, Inc. to determine the presence and concentrations of hydrocarbons at the subject site by EPA methods and 8015M and 8020. Analytical results for soil samples are presented in **Table 6** and laboratory data sheets and chain-of-custody documents are contained in **Appendix D**.

TABLE 6
Analytical Results - Soil Boring
February 13, 2001
(ppm)

| Sample ID | TPH-g  | МТВЕ    | Benzene | Toluene | Xylenes | Ethylbenzene |
|-----------|--------|---------|---------|---------|---------|--------------|
| MW-5-5'   | <10    | <0.005  | <0.005  | <0.005  | <0.015  | <0.005       |
| MW-5-10'  | <10    | <0.005  | <0.005  | <0.005  | <0.015  | <0.005       |
| MW-5-15'  | 11,700 | <0.005  | 25.6    | 12.0    | 38.6    | 55.8         |
| MW-5-20'  | <10    | <0.005  | <0.005  | <0.005  | <0.015  | <0.005       |
| MW-7-10'  | <10    | <0.005  | <0.005  | <0.005  | <0.015  | <0.005       |
| MW-7-15'  | <10    | <0.005  | <0.005  | <0.005  | <0.015  | <0.005       |
| MW-7-20'  | <10    | <0.005  | <0.005  | <0.005  | <0.015  | <0.005       |
| MW-8-5'   | <10    | <0.005  | <0.005  | <0.005  | <0.015  | <0.005       |
| MW-8-10'  | <10    | <0.005  | <0.005  | <0.005  | <0.015  | <0.005       |
| MW-8-15'  | <10    | <0.005  | <0.005  | <0.005  | <0.015  | <0.005       |
| MVV-8-20' | <10    | <0.0723 | <0.005  | <0.005  | <0.015  | <0.005       |

Water analyses were performed by Zalco Laboratories, Inc. to determine the presence and concentrations of hydrocarbons at the subject site by EPA methods and 8015M and 8020. Analytical results for soil samples are presented in **Table 7** and laboratory data sheets and chain-of-custody documents are contained in **Appendix D**.

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#### Table 7 Analytical Results - Monitoring Wells February 14, 2001 (ppb)

| Sample ID | TPH-g  | MTBE | Benzene | Toluene | Xylenes | Ethylbenzene |
|-----------|--------|------|---------|---------|---------|--------------|
| MW-5      | 5,660  | <0.3 | 76.9    | 21.1    | 312     | 47.3         |
| MW-6      | 1,340  | <0.3 | 17.0    | 0.967   | 51.4    | 11.1         |
| MW-7      | <0.005 | 284  | <0.3    | <0.3    | <0.3    | <0.3         |
| MW-8      | 1,000  | 620  | 3.97    | <0.3    | 1.63    | 3.78         |

#### 6.0 EXTENT OF HYDROCARBON MIGRATION

The January 1997 soil and groundwater assessment by AEI, and subsequent soil sampling and groundwater monitoring well installation conducted by AEC in August 1997 and February 2001, indicates a gasoline plume spanning the northern half of the property and into a portion of MacArthur Boulevard and Howe Street (**Appendix A, Figure 2**). The investigations indicated that native soil had a slight to strong gasoline odor that varied with depth and permeability of the soil matrix (primarily at the capillary fringe between 12 and 16 feet bgs). PID readings indicated elevated concentrations of hydrocarbon vapors coinciding with the malodorous intervals.

The hydrocarbon concentrations have established a pattern consistent with multiple release points of smaller volumes over a long period of time. For example, elevated gasoline concentrations are identified in the soil and groundwater adjacent the western most dispenser (BH-4, BH-8, MW-3). The hydrocarbon concentrations are trace to non detect in BH-5 and BH-7 which are located approximately 20 feet away. Apparently, hydrocarbons have been released proximal to the former gasoline UST emplacement, the waste oil UST emplacement, and the western island location however, lateral migration has been limited. The releases are probably due to a combination of overspill while filling the 10,000 gallon USTs (or waste oil removal) and the fittings manifolding the plumbing from the USTs to the islands. The absence of any significantly elevated soil contamination again indicates small volume type of releases over long time periods versus a large volume release associated with corrosion holes in the USTs and/or pressurized piping. Also, the age of the former station indicates that it first operated under a vacuum dispensing system (pumps lose prime if there is a problem and therefore won't dispense gasoline), and was later converted to a pressurized dispensing system. The conversion process should have identified potential points where leakage may have occurred and remedied the situation.

#### 6.1 Bio-Remediation Factors

On August 8, 1997 biological factors were measured in the groundwater including Redox Potential, Nitrate, Sulfate, Alkalinity, Iron, and Dissolved Oxygen. The results indicate that dissolved oxygen and nitrate are present in the groundwater, an adequate Redox Potential exists, and no negative conditions (i.e. high iron content) exist that would impede passive bio-remediation.

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#### 7.0 CONCLUSIONS

- Four groundwater monitoring wells (MW5-8) were drilled, sampled, and installed at the subject site.
- Soil samples from MW-6, MW-7, and MW-8 were below detectable limits for all constituents analyzed with the exception of 0.0723 mg/kg of MTBE in sample MW-8 @ 20'. MW-5 @ 15' exhibited elevated gasoline constituents at fifteen feet bgs. MW-5 was placed adjacent to, and downgradient of the former tank emplacement, therefore, these concentrations are consistent with our prior reasoning.
- Groundwater well MW-4 is consistently below detectable limits for all constituents analyzed. MW-7, the downgradient well on the north side of Howe Street exhibited non detectable concentrations of all gasoline constituents with the exception of MTBE (284 ug/L). MW-5, MW-6, and MW-8 all exhibited elevated gasoline concentrations and the main plume appears to originate from the former tank emplacement.
- The flow direction is N50°W with a calculated gradient of 0.28'/100'.

#### 8.0 RECOMMENDATIONS

AEC recommends continued quarterly sampling of the groundwater monitoring wells for a period of one year to demonstrate plume stability and natural attenuation. Since the sources of continued contamination (USTs and dispensers) have been removed it does not appear that this site requires proactive remediation. Analysis of natural attenuation parameters will continue to be measured, primarily dissolved oxygen and oxidation-reduction potential.

#### 9.0 LIMITATIONS

This work has been performed in accordance with generally accepted environmental science and engineering practices. Conclusions and recommendations are based upon information collected and compiled during this investigation. No other warranty, expressed or implied, is given.

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#### 10.0 CLOSING

**Advanced Environmental Concepts, Inc.** appreciates the opportunity to be of service to Mr. Warren Dodson, of Dodson Ltd. on this project. If there should be any questions or additional information required regarding this report, please do not hesitate to contact our office at (661) 831-1646.

This Environmental Site Assessment has been prepared by:

Advanced Environmental Concepts, Inc.

lonathan L. Buck

Registered Environmental Assessor II #22017

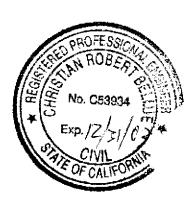


This report has been technically reviewed by:

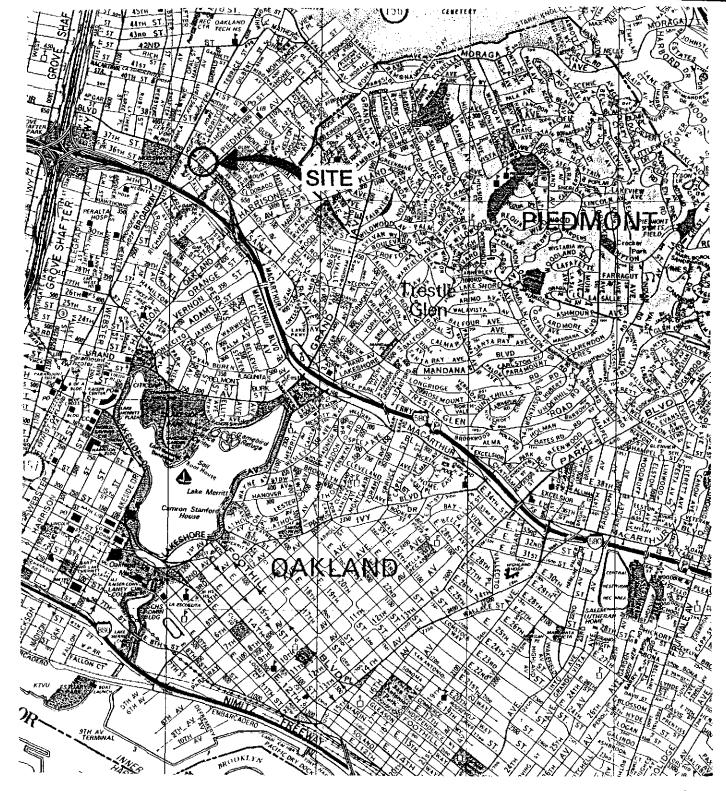
Christian Bellue

Registered Professional Engineer #C53934

DOC22HS



Project: AEC 01-2222



Map Source: Thomas Maps



- SITE AREA -

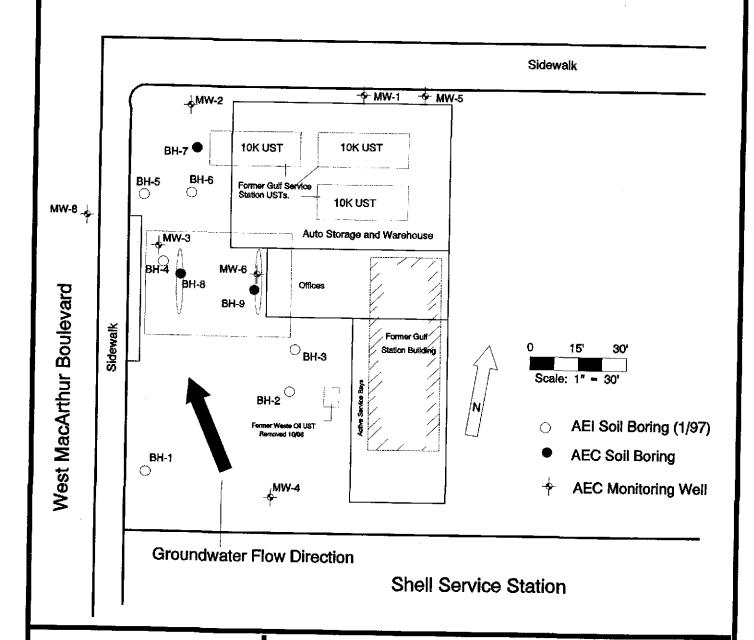
Prestige Products Corporation
240 West MacArthur Blvd.
County of Alameda - Oakland, California

**FIGURE** 

Sidewalk

**→** MW-7

#### **Howe Street**



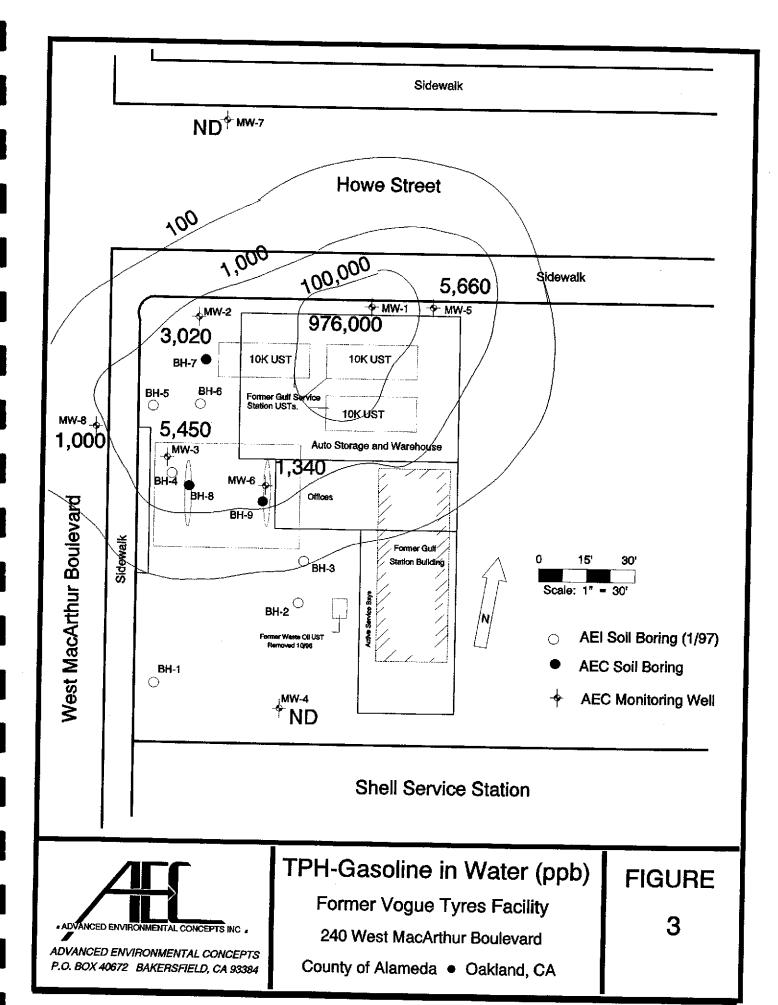


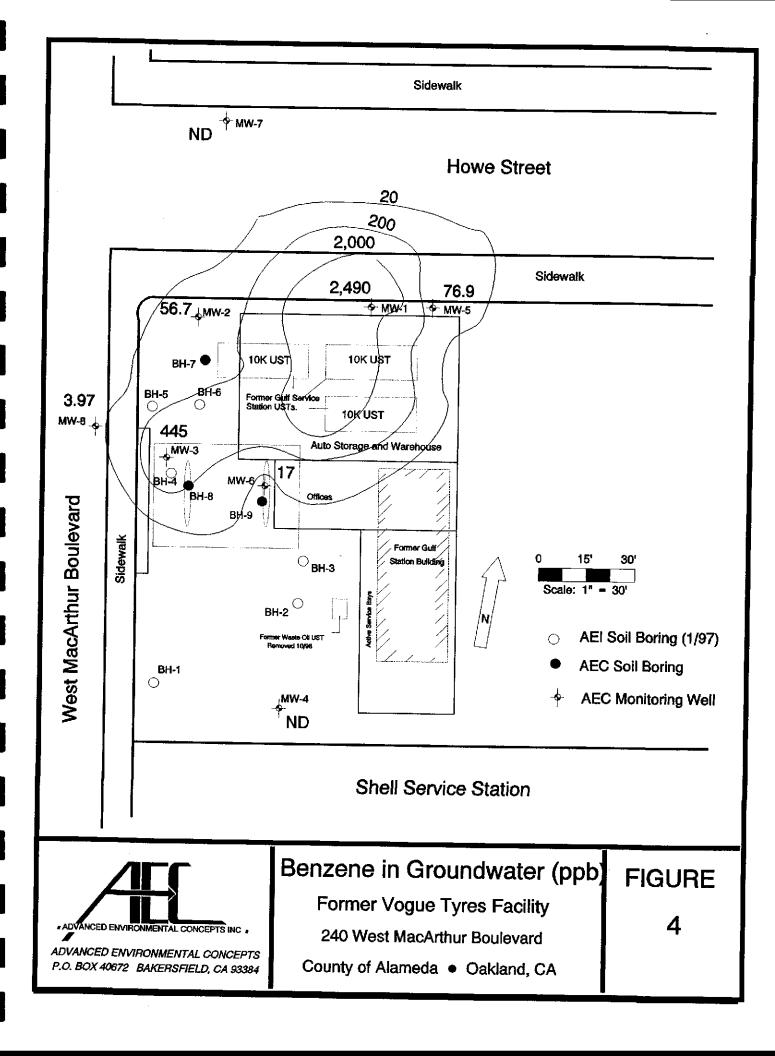
ADVANCED ENVIRONMENTAL CONCEPTS P.O. BOX 40672 BAKERSFIELD, CA 93384 - Location Map -

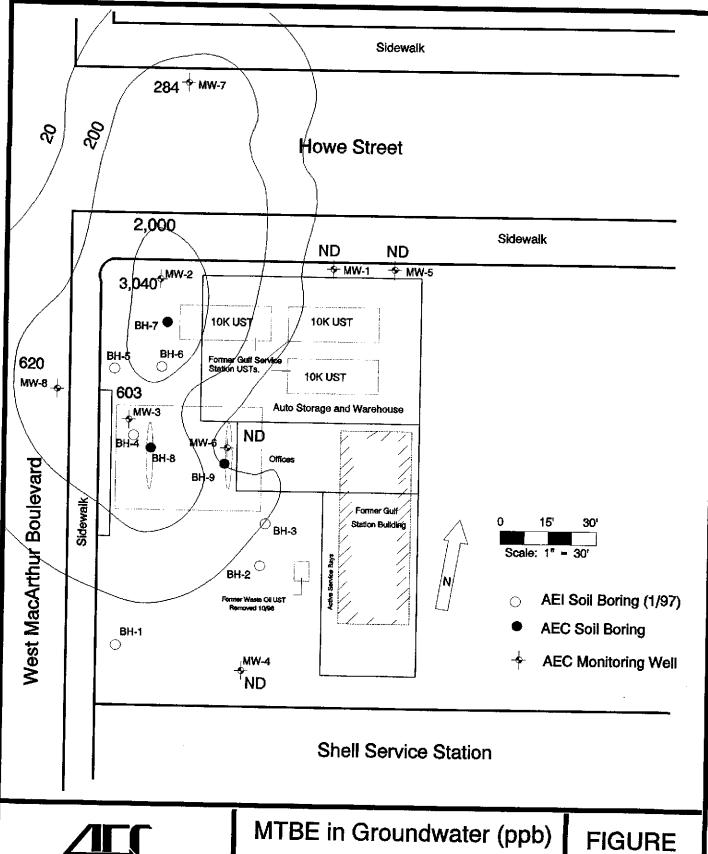
Former Vogue Tyres Facility
240 West MacArthur Boulevard
County of Alameda • Oakland, CA

**FIGURE** 

ク









Former Vogue Tyres Facility
240 West MacArthur Boulevard
County of Alameda • Oakland, CA

FIGURE 5

|     | WELL  | DEPTH                                      | PID                                    | SAMPLE ID                                       | U.S.C.S.       |  |
|-----|---|--|--|---|----------------|--|
| , [ | DETAIL  | DEPTH                                      | (ppm)                                  | INTERVAL<br>BLOWCOUNT                           | LOG            | LITHOLOGIC DESCRIPTION   |
|     | Schedule 40 2" Blank PVC Bentonite Grout  | 5<br>                                      | 0                                      | 4 6   | CL             | Clay: Brown, mottled, compact, malleable, moderately moist, no apparent gasoline odor.   |
|     | Pack  | — 10 —<br>— —                              | 58.5                                   | 13<br>14  | ML             | Silt: Tan-brown, moderately compact, friable, fine-<br>graned, some clay, moderately moist, strong gasoline<br>odor.   |
|     | Sand Filter F   | — 15 —<br>— —                              | 1480                                   | 11 14   | SM<br>H20      | Sand: Brown, stained olive-gray, loosely consolidated, fine-grained, slightly compact, friable, very moist, strong gasoline odor.                                      |
|     |   | — 20 <b>—</b>                              | o                                      | 7 9   | sw             | Sand: Brown, slightly dense, unconsolidated, medium to coarse-grained, moderately moist, no apparent gasolne odor.   |
|     |   | 25<br>                                     |  |   |                |  |
|     | AEC ADVANG  | - 30                                       | MENTAL C                               | ONCEPTS   |                |  |
| IJ  | P.O. BO   | X 40672 BAK                                | ERSFIELD,                              | CA 93384  | 040347.54      | WELL/BORING LOG 1 of 1   |
|     | PROJECT Vogue WELL/BORING NO. DATE DRILLED DRILLING COMPAN BORE HOLE DIAME CASING TYPE SCREEN TYPE Sk | MW-5 02/13/01 IY Gregg Dr TER 8 inch PVC D | LO: illing _ TOTAL IAMETER _ IAMETER _ | RFACE ELEVATION GGED BY J. But DEPTH 2 Inch SCH | ON             | BMd., Oakland, California  WELLHEAD ELEVATION REVIEWED BY C. Bellue  METHOD Hollow Stem Auger  DEPTH TO WATER: INITIAL 16' STATIC INTERVAL 0' TO 9' INTERVAL 9' TO 19' |
| ]   | FILTER PACK TYPI<br>SURFACE SEAL TY<br>NOTES  |  |  | ain by Concrete P                               | lug & Well Box | INTERVAL TO INTERVAL TO  |

I

| WELL                          | DEDELL  | PID  | SAMPLE ID   | U.S.C.S.                   |  |
|-------------------------------|---|--|---|----------------------------|--|
| DETAIL                        | DEPTH   | (ppm)  | SAMPLE ID<br>INTERVAL<br>BLOWCOUNT  | LOG                        | LITHOLOGIC DESCRIPTION   |
|                               | - 10  |  |   |                            |  |
| AEC ADVANC                    | CED ENVIRON<br>X 40672 BAKI   | MENTAL CO<br>ERSFIELD,                               | ONCEPTS<br>CA 93384   |                            | WELL/BORING LOG 1 of 1   |
| PROJECT Vogue WELL/BORING NO. | MW-6 02/13/01 IY Gregg Dri TER 8 inch PVC Di tted PVC Di Monterey Sai | SUF<br>LOC<br>!ling<br>TOTAL !<br>!AMETER<br>!AMETER | LOCATION  RFACE ELEVATION  GGED BY J. Bu  DRIL  DEPTH 2 Inch SCHE 2 Inch SLOT | DNCk - AECEDULE40SIZE0.010 | Bivd., Oakland, California  WELLHEAD ELEVATION REVIEWED BY C. Bellue  METHOD Hollow Stem Auger  DEPTH TO WATER: INITIAL 16' STATIC INTERVAL 0' TO 9' |

| WELL                                    |                             | PID                    | SAMPLE ID             | 11600                   |  |
|---|-----------------------------|------------------------|-----------------------|-------------------------|--|
| DETAIL                                  | DEPTH                       | (ppm)                  | INTERVAL<br>BLOWCOUNT | U.S.C.S.<br>LOG         | LITHOLOGIC DESCRIPTION   |
|   |                             |                        | 22311000111           |                         |  |
| <b>.</b>                                | <del></del>                 |                        |                       |                         |  |
| Schedule 40 2" Blank PVC                | <del></del>                 |                        |                       |                         |  |
| ⊗ ¥ ⊗                                   | <del></del>                 |                        |                       |                         |  |
| <b>₩</b>                                | <del></del>                 |                        |                       |                         |  |
|   | <u> </u>                    |                        |                       |                         |  |
| Schedule 40                             | <del></del>                 |                        |                       |                         |  |
| ite @ de g                              |                             |                        |                       |                         | 1  |
| ्रिट 📈 🞖                                |                             |                        |                       |                         |  |
| B B                                     |                             |                        |                       |                         |  |
|   | <del></del>                 |                        |                       |                         | <b>25.</b> –   |
|   | — 10 —                      | 0                      | 0                     | ML                      | Silt: Tan-brown, slightly to moderately compact, clayey in part, slightly moist, no apparent hydrocarbon |
|   | - ]                         |                        |                       |                         | odor.  |
|   |                             |                        |                       |                         |  |
| \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \ |                             | i                      |                       |                         |  |
| - Pa                                    |                             |                        |                       |                         |  |
| Filter Pack                             | — 15 —                      | 0                      | 0                     | SM                      | Silt: Tan-brown, slight to moderately compact, sandy   |
|   | [                           |                        |                       | H20                     | fine-grained, slightly moist, no apparent gasoline odor.   |
| Sand                                    |                             |                        |                       |                         |  |
|   |                             |                        |                       |                         |  |
|   |                             | ì                      |                       |                         |  |
|   | ~                           |                        |                       |                         | _  |
|   | — 20 —                      | 0                      | 0                     | SW                      | Sand: Brown, slightly dense, unconsolidated, medium to coarse-grained, very moist, no apparent gasoline  |
| į.                                      | <del>-</del>                |                        |                       |                         | odor.  |
|   |                             |                        |                       |                         | •  |
| j                                       |                             |                        |                       |                         |  |
|   |                             |                        |                       |                         |  |
|   | _ 25                        |                        |                       |                         |  |
|   |                             |                        |                       | 12.                     |  |
| 1 1                                     |                             |                        |                       |                         |  |
|   |                             |                        |                       |                         |  |
| ] [                                     |                             |                        |                       |                         | i  |
| 1                                       | — <b>İ</b>                  |                        |                       | İ                       |  |
| 1 -                                     | - 30 -                      | ļ                      |                       |                         |  |
|   | - 1                         |                        |                       | į                       |  |
|   |                             |                        |                       |                         |  |
| AEC ADVANCE                             | DED ENVIRON<br>IX 40672 BAK | MENTAL CO<br>ERSFIELD, | ONCEPTS<br>CA 93384   |                         | WELL/BORING LOG 1 of 1   |
| PROJECT_Vogue                           | B 41 4 7 -                  |                        | LOCATION              | 240 W. MacArthur        | Blvd., Oakland, California   |
| WELL/BORING NO.                         | MW-7<br>02/13/01            |                        | RFACE ELEVATION       |                         | WELLHEAD ELEVATION   |
| DATE DRILLED _<br>DRILLING COMPAN       |                             | LO:<br>illing          | GGED BYJ. Bu<br>DRII  | JCK - AEC<br>LLER       | REVIEWED BY C. Bellue  METHOD Hollow Stem Auger  |
| BORE HOLE DIAME<br>CASING TYPE          | TER 8 inch                  | TOTAL                  | <b>ДЕРТН</b>          | 20'                     | DEPTH TO WATER: INITIAL 16' STATIC   |
| SCREEN TYPE SIG                         | tted PVC D                  | IAMETER<br>IAMETER     |                       | EDULE 40<br>TSIZE 0.010 | INTERVAL 0' TO 9' INTERVAL 9' TO 19'   |
| FILTER PACK TYPI<br>SURFACE SEAL TY     | Monterey Sar                | nd #2/12               |                       |                         | INTERVALTO   |
| NOTES                                   | CE DOMONICO                 | CIDUL OVEN             | un by Concrete Pl     | ug & Well Box           | INTERVAL TO  |
|   |                             |                        |                       |                         |  |

| DETAIL  DEPTH (ppm) BLOWCOUNT LOG SUPPRISON STRENGLY CONCEPTS  ACCURATION AND STRENGLY CONCEPTS  ACCURATION  | WELL            | DEST   | PID                    | SAMPLE ID           | U.S.C.S.         |   |
|--|-----------------|--|------------------------|---------------------|------------------|---|
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  SIL: Brown, fractural rock, sand, fine to madium grained, some clay, slightly moist, no gasoline odor.  SIII: Brown-tan, slightly to moderately compact, fine-grained, clayey in part, moderately compact, fine-grained, clayey in part, moderately compact, fine-grained, clayey in part, moderately compact, fine-grained, clayer in part, moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP  Sand: Brown, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP  Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  SP  PROJECT Vigual Tyres  LOCATION 280 W. Madvibur bid, Oakland, Oalifornia  WELL/BORING LOG 1 of 1  PROJECT Vigual Tyres  LOCATION 280 W. Madvibur bid, Oakland, Oalifornia  PROJECT Vigual Tyres  COGRED RV 19 BOAK TER 6 SIGN 19 CONTROL |                 | DEPTH  |                        | INTERVAL            |                  | LITHOLOGIC DESCRIPTION                                  |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  SITE: Brown, fractural rock, sand, fine to madium grained, some clay, slightly moist, no gasoline odor.  SITE: Brown-tan, slightly to moderately compact, fine-grained, clayey in part, moderately compact, fine-grained, clayey in part, moderately moist, no apparent gasoline odor.  SIM: Brown-tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Brown-tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP  Sand: Brown, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP  Sand: Brown, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP  Sand: Brown, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP  Sand: Brown, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP  Sand: Brown, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP  Sand: Brown, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP  Sand: Brown, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP  Sand: Brown, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP  Sand: Brown, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP  Sand: Brown, slightly to moderately compact, slightly moist, no apparent gasoline odor.  SM  HELD BORING LOG To SP  SINE-ACC ELEVATION  SINE-ACC EL |                 | <u></u>  |                        |                     |                  |   |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  SIL: Brown, fractural rock, sand, fine to madium grained, some clay, slightly moist, no gasoline odor.  SIII: Brown-tan, slightly to moderately compact, fine-grained, clayey in part, moderately compact, fine-grained, clayey in part, moderately compact, fine-grained, clayey in part, moderately compact, fine-grained, clayer in part, moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP  Sand: Brown, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP  Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  SP  PROJECT Vigual Tyres  LOCATION 280 W. Madvibur bid, Oakland, Oalifornia  WELL/BORING LOG 1 of 1  PROJECT Vigual Tyres  LOCATION 280 W. Madvibur bid, Oakland, Oalifornia  PROJECT Vigual Tyres  COGRED RV 19 BOAK TER 6 SIGN 19 CONTROL |                 |  |                        |                     |                  |   |
| AEC ADVANCED ENURRONMENTAL CONCEPTS  SITE: Brown, fractural rock, sand, fine to medium-grained, some clay, slightly moist, no gasoline odor.  SIM: Brown-tan, slightly to moderately compact, fine-grained, dayey in part, moderately compact, fine-grained, dayey in part, moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Silt: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Silt: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Silt: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SIM: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no | . I ≋≅          | _  |                        |                     |                  |   |
| Sit: Brown-tan, slightly to moderately compact, fine-grained, dayey in part, moderately moist, no apparent gasoline odor.  SM H20  Sit: Brown-tan, slightly to moderately compact, fine-grained, decreasing day, very moist, no apparent gasoline odor.  SM H20  SIt: Tan, slightly to moderately compact, fine-grained, decreasing day, very moist, no apparent gasoline odor.  SP Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  AEC ADVANCED ENVIRONMENTAL CONCEPTS  PROJECT ADVA OSCIP SANCESSEELD, CA 98399  WELL/BORING LOG 1 of 1  PROJECT OSON 4007E BANCESSEELD, CA 98399  WELL/BORING LOG 1 to 1  PROJECT OSON 4007E BANCESSEELD, CA 98399  WELL/BORING LOG 1 to 1  PROJECT OSON 4007E BANCESSEELD, CA 98399  WELL/BORING LOG 1 to 1  PROJECT OSON 4007E BANCESSEELD, CA 98399  WELL/BORING LOG 1 to 1  PROJECT OSON 4007E BANCESSEELD, CA 98399  WELL/BORING LOG 1 to 1  PROJECT OSON 4007E BANCESSEELD, CA 98399  WELL/BORING LOG 1 to 1  PROJECT OSON 4007E BANCESSEELD, CA 98399  WELL/BORING LOG 1 to 1  PROJECT OSON 4007E BANCESSEELD, CA 98399  WELL/BORING LOG 1 to 1  PROJECT OSON 4007E BANCESSEELD, CA 98399  WELL/BORING LOG 1 to 1  PROJECT OSON 4007E BANCESSEELD, CA 98399  WELL/BORING LOG 1 to 1  PROJECT OSON 4007E BANCESSEELD, CA 98399  WELL/BORING LOG 1 to 1  PROJECT OSON 4007E BANCESSEELD, CA 98399  WELL/BORING LOG 1 to 1  PROJECT OSON 4007E BANCESSEELD, CA 98399  WELL/BORING LOG 1 to 1  PROJECT OSON 4007E BANCESSEELD, CA 98399  WELL/BORING LOG 1 to 1  WELL/BORING METHOD Molkow Skim Auger  DOIN 1 to 10 1 to 1  PROJECT OSON 4007E BANCESSEELD, CA 98399  WELL/BORING LOG 1 to 1  WELL/BORING METHOD Molkow Skim Auger  DOIN 1 to 10 1 to 1  WELL/BORING METHOD Molkow Skim Auger  DOIN 1 to 10 1 to 1  WELL/BORING METHOD Molkow Skim Auger  DOIN 1 to 10 1 to 1  WELL/BORING METHOD Molkow Skim Auger  DOIN 1 to 10 1 to 1  WELL/BORING METHOD MOLKOW Skim Auger  DOIN 1 to 10 1 to 1  WELL/BORING METHOD MOLKOW Skim Auger  DOIN 1 to 10 1 to 1  WELL/BORING METHOD MOLKOW Skim Auger  DOIN 1 to 10 1  |                 |  |                        |                     |                  |   |
| Silt: Brown-tan, slightly to moderately compact, fine-grained, clayey in part, moderately compact, fine-grained, clayey in part, moderately compact, fine-grained, clayey in part, moderately compact, fine-grained, clayer in part, moderately compact, fine-grained, clayer in part, moderately compact, fine-grained, clarge grained, slightly to moderately compact, fine-grained, clarge grained, slightly to moderately compact, fine-grained, clarge grained, slightly moist, no apparent gasoline odor.  SP  Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  SP  PROJECT VOYA VOYA POYA DAVIESTED, CA 88394  PROJECT VOYA VOYA POYA POYA POYA POYA POYA POYA POYA P   | 828             | <del>-</del> 5                                 | ٥                      | 0                   | GI               | Gravel: Brown fractural rock cond fine to madition      |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  ABOUT 10 0 0 ML SIII: Brown-tan, slightly to moderately compact, fine-grained, clayey in part, moderately moist, no apparent gasoline odor.  SM H20 SiII: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP Sand: Brown, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  PROJECT Vogue Tyres  WELL/BORING LOG  PROJECT Vogue Tyres  WELL/BORING LOG  BURNES BOR HOLE DOWN-8  SUPFACE ELEVATION  WELL/BORING LOG  WELL/BORING LOG  WELL/BORING LOG  METHOD Hollow Stem Auger  DRILLING COMPANY Grogo Drilling  DRILLING DIAMETER 3 light SLOT SIZE 9.010  INTERVAL 0' 10 19  INTERVAL 170  INTERVAL 1 |                 |  |                        |                     | GL               | grained, some clay, slightly moist, no gasoline odor.   |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  ABOUT 10 0 0 ML SIII: Brown-tan, slightly to moderately compact, fine-grained, clayey in part, moderately moist, no apparent gasoline odor.  SM H20 SiII: Tan, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP Sand: Brown, slightly to moderately compact, fine-grained, decreasing clay, very moist, no apparent gasoline odor.  SP Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  PROJECT Vogue Tyres  WELL/BORING LOG  PROJECT Vogue Tyres  WELL/BORING LOG  BURNES BOR HOLE DOWN-8  SUPFACE ELEVATION  WELL/BORING LOG  WELL/BORING LOG  WELL/BORING LOG  METHOD Hollow Stem Auger  DRILLING COMPANY Grogo Drilling  DRILLING DIAMETER 3 light SLOT SIZE 9.010  INTERVAL 0' 10 19  INTERVAL 170  INTERVAL 1 | '               | <del></del>                                    |                        |                     |                  |   |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  SP Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  AEC ADVANCED ENVIRONMENTAL CONCEPTS  Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  WELLIBORING NO. MW-8  SURFACE ELEVATION  WELLIBORING NO. MW-8  SURFACE ELEVATION  SURFACE SELEVATION  WELLIHEAD ELEVATION  WELLIHEAD ELEVATION  WELLIHEAD ELEVATION  WELLIHEAD ELEVATION  SURFACE SELEVATION  DRILLING COMPANY Group Drilling Godge by J. Buck: AEC REVIEWED BY C. Belliue  METHOD Hollow Stem Auger  CASING TYPE PVG. DIAMETER 2 lineh SCHEDULE 40. INTERVAL 170 19'  FILTER PACKTYPE Monteroy Sand 48/12 Inch. SCHEDULE 40. INTERVAL 170  NITERVAL 170  NITE |                 | <del></del>                                    |                        |                     |                  |   |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  SP Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  AEC ADVANCED ENVIRONMENTAL CONCEPTS  Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  WELLIBORING NO. MW-8  SURFACE ELEVATION  WELLIBORING NO. MW-8  SURFACE ELEVATION  SURFACE SELEVATION  WELLIHEAD ELEVATION  WELLIHEAD ELEVATION  WELLIHEAD ELEVATION  WELLIHEAD ELEVATION  SURFACE SELEVATION  DRILLING COMPANY Group Drilling Godge by J. Buck: AEC REVIEWED BY C. Belliue  METHOD Hollow Stem Auger  CASING TYPE PVG. DIAMETER 2 lineh SCHEDULE 40. INTERVAL 170 19'  FILTER PACKTYPE Monteroy Sand 48/12 Inch. SCHEDULE 40. INTERVAL 170  NITERVAL 170  NITE | onite           |  |                        |                     |                  |   |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  SP Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  AEC ADVANCED ENVIRONMENTAL CONCEPTS  Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  WELLIBORING NO. MW-8  SURFACE ELEVATION  WELLIBORING NO. MW-8  SURFACE ELEVATION  SURFACE SELEVATION  WELLIHEAD ELEVATION  WELLIHEAD ELEVATION  WELLIHEAD ELEVATION  WELLIHEAD ELEVATION  SURFACE SELEVATION  DRILLING COMPANY Group Drilling Godge by J. Buck: AEC REVIEWED BY C. Belliue  METHOD Hollow Stem Auger  CASING TYPE PVG. DIAMETER 2 lineh SCHEDULE 40. INTERVAL 170 19'  FILTER PACKTYPE Monteroy Sand 48/12 Inch. SCHEDULE 40. INTERVAL 170  NITERVAL 170  NITE | Sent            | — 10 <b>—</b>                                  | ٥                      | 0                   | B.AT             | Silt: Brown-tan, slightly to moderately compact fine    |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  20 0 SP Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  AEC ADVANCED ENVIRONMENTAL CONCEPTS  WELL/BORING LOG  25 0  SP Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  WELL/BORING LOG  1011  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION 240 W. MacArihur Bivd., Oakland, California  WELL/BORING LOG  PROJECT Vogue Tyres  LOCATION |                 |  |                        |                     | IVI L            | grained, clayey in part, moderately moist, no apparent  |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  AEC ADVANCED ENVIRONMENTAL CONCEPTS  Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  AEC ADVANCED ENVIRONMENTAL CONCEPTS  ACCITION 240 W. MacArthur Bivd., Oakland, California Bivd., oakland, California Bivd., Oakla |                 |  |                        |                     |                  | gasonne odor.   |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  AEC ADVANCED ENVIRONMENTAL CONCEPTS  Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  AEC ADVANCED ENVIRONMENTAL CONCEPTS  ACCITION 240 W. MacArthur Bivd., Oakland, California Bivd., oakland, California Bivd., Oakla |                 |  |                        |                     |                  |   |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  AEC ADVANCED ENVIRONMENTAL CONCEPTS  Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  AEC ADVANCED ENVIRONMENTAL CONCEPTS  ACCITION 240 W. MacArthur Bivd., Oakland, California Bivd., oakland, California Bivd., Oakla | ack             |  | ļ                      |                     |                  |   |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  — 20 — 0 0 SP Sand: Brown, slightly dense, unconsolidated, medium to coarse grained, slightly moist, no apparent gasoline odor.  — 25 — — 30 — — 25 — — — — — — — — — — — — — — — —   |                 | _ 15 _   |                        |                     | SM               | Silt: Tan, slightly to moderately compact fine grained  |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  — 25 —  30 —  WELL/BORING LOG 1 of 1  PROJECT Vogue Tyres LOCATION 240 W. MacArthur Bivd., Oakland, California  WELL/BORING NO. MW-8  SURFACE ELEVATION LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue  DATE DRILLIED 02/13/01 LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue  BORE HOLE DIAMETER 8 finch TOTAL DEPTH 20' DEPTH TO WATER: INITIAL 16' STATIC  CASING TYPE PVC DIAMETER 2. Inch SCHEDULE 40 INTERVAL 0' TO 9'  SCREEN TYPE Sitolad PVC DIAMETER 2. Inch SCHEDULE 40 INTERVAL 0' TO 9'  SCREEN TYPE Monterey Sand 8/212 INTERVAL TO SURFACE SEAL TYPE Monterey Sand 8/212 INTERVAL TO SURFACE SEAL TYPE Monterey Sand 8/212 INTERVAL TO SURFACE SEAL TYPE Monterey Sand 8/212 INTERVAL TO SURFACE SEAL TYPE Monterey Sand 8/212   |                 | _  | •                      |                     | H2U              | decreasing clay, very moist, no apparent desoline       |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  — 25 —  30 —  WELL/BORING LOG 1 of 1  PROJECT Vogue Tyres LOCATION 240 W. MacArthur Bivd., Oakland, California  WELL/BORING NO. MW-8  SURFACE ELEVATION LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue  DATE DRILLIED 02/13/01 LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue  BORE HOLE DIAMETER 8 finch TOTAL DEPTH 20' DEPTH TO WATER: INITIAL 16' STATIC  CASING TYPE PVC DIAMETER 2. Inch SCHEDULE 40 INTERVAL 0' TO 9'  SCREEN TYPE Sitolad PVC DIAMETER 2. Inch SCHEDULE 40 INTERVAL 0' TO 9'  SCREEN TYPE Monterey Sand 8/212 INTERVAL TO SURFACE SEAL TYPE Monterey Sand 8/212 INTERVAL TO SURFACE SEAL TYPE Monterey Sand 8/212 INTERVAL TO SURFACE SEAL TYPE Monterey Sand 8/212 INTERVAL TO SURFACE SEAL TYPE Monterey Sand 8/212   | San San         |  |                        |                     |                  | ouor.   |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  — 30 —  WELL/BORING LOG 1 of 1  PROJECT Vogue Tyres  LOCATION 240 W. MacArthur Bivd., Caldionnia  WELL/BORING NO. MW-8  SURFACE ELEVATION WELLHEAD ELEVATION DATE DRILLED (27/33/01 LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue  DRILLING COMPANY Gregg Drilling  DRILLED DATE DRILLED (27/13/01 LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue  DRILLING COMPANY Gregg Drilling  DRILLER  DRILLER  DRILLER  DRILLER  DRILLER  DRILLER  METHOD Hollow Stem Auger  BORE HOLE DIAMETER 2 Inch SCHEDULE 40 INTERVAL 10' TO 9'  SCHEEN TYPE Solited PVC DIAMETER 2 Inch SCHEDULE 40 INTERVAL 0' TO 9'  SCHEEN TYPE Solited PVC DIAMETER 2 Inch SLOT SIZE 0.010 INTERVAL 70  SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box  INTERVAL TO  |                 |  |                        |                     |                  |   |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  — 30 —  WELL/BORING LOG 1 of 1  PROJECT Vogue Tyres  LOCATION 240 W. MacArthur Bivd., Caldionnia  WELL/BORING NO. MW-8  SURFACE ELEVATION WELLHEAD ELEVATION DATE DRILLED (27/33/01 LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue  DRILLING COMPANY Gregg Drilling  DRILLED DATE DRILLED (27/13/01 LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue  DRILLING COMPANY Gregg Drilling  DRILLER  DRILLER  DRILLER  DRILLER  DRILLER  DRILLER  METHOD Hollow Stem Auger  BORE HOLE DIAMETER 2 Inch SCHEDULE 40 INTERVAL 10' TO 9'  SCHEEN TYPE Solited PVC DIAMETER 2 Inch SCHEDULE 40 INTERVAL 0' TO 9'  SCHEEN TYPE Solited PVC DIAMETER 2 Inch SLOT SIZE 0.010 INTERVAL 70  SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box  INTERVAL TO  |                 |  |                        |                     |                  |   |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  — 30 —  WELL/BORING LOG 1 of 1  PROJECT Vogue Tyres  LOCATION 240 W. MacArthur Bivd., Caldionnia  WELL/BORING NO. MW-8  SURFACE ELEVATION WELLHEAD ELEVATION DATE DRILLED (27/33/01 LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue  DRILLING COMPANY Gregg Drilling  DRILLED DATE DRILLED (27/13/01 LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue  DRILLING COMPANY Gregg Drilling  DRILLER  DRILLER  DRILLER  DRILLER  DRILLER  DRILLER  METHOD Hollow Stem Auger  BORE HOLE DIAMETER 2 Inch SCHEDULE 40 INTERVAL 10' TO 9'  SCHEEN TYPE Solited PVC DIAMETER 2 Inch SCHEDULE 40 INTERVAL 0' TO 9'  SCHEEN TYPE Solited PVC DIAMETER 2 Inch SLOT SIZE 0.010 INTERVAL 70  SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box  INTERVAL TO  |                 | _ 20 _   |                        |                     | CD               | Sand: Brown, slightly dense, unconsolidated medium      |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS  — 25 —  — 30 —  WELL/BORING LOG 1 of 1  PROJECT Vogue Tyres LOCATION 240 W. MacArthur BNd., California  WELL/BORING NO. MW-8  SURFACE ELEVATION WELLHEAD ELEVATION WELLHEAD ELEVATION LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue  DRILLING COMPANY Grego Drilling DRILLER METHOD Hollow Stem Auger  BORE HOLE DIAMETER 8 inch TOTAL DEPTH 20' DEPTH TO WATER: INITIAL 16' STATIC CASING TYPE PVC DIAMETER 2 Inch SCHEDULE 40 INTERVAL 0' TO 9' SCREEN TYPE Slotted PVC DIAMETER 2 Inch SCHEDULE 40 INTERVAL 0' TO 19' FILTER PACK TYPE Monterey Sand #2/12 Inch SCHEDULE 40 INTERVAL 0' TO 19' FILTER PACK TYPE Monterey Sand #2/12 Inch SCHEDULE 40 INTERVAL 1' TO SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box INTERVAL TO   |                 |  | 0                      | · •                 | QF.              | to coarse grained, slightly moist, no apparent gasoline |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS P.O. BOX 40672 BAKERSFIELD, CA 93384  WELL/BORING LOG 1 of 1  PROJECT Vogue Tyres LOCATION 240 W. MacArthur Blvd., Oakland, California  WELL/BORING NO. MW-8 SURFACE ELEVATION DATE DRILLED 02/13/01 LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue  DRILLING COMPANY Gregg Drilling DRILLEP BORE HOLE DIAMETER 8 inch TOTAL DEPTH 20' DEPTH TO WATER: INITIAL 16' STATIC CASING TYPE PVC DIAMETER 2 inch SCHEDULE 40 INTERVAL 0' TO 9' SCREEN TYPE Slottled PVC DIAMETER 2 inch SLOT SIZE 0.010 INTERVAL 9' TO 19' FILTER PACK TYPE Monterey Sand 42/12 SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box INTERVAL TO   |                 |  |                        |                     |                  | <b>343.</b> 1   |
| AEC ADVANCED ENVIRONMENTAL CONCEPTS P.O. BOX 40672 BAKERSFIELD, CA 93384  WELL/BORING LOG 1 of 1  PROJECT Vogue Tyres LOCATION 240 W. MacArthur Blvd., Oakland, California  WELL/BORING NO. MW-8 SURFACE ELEVATION DATE DRILLED 02/13/01 LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue  DRILLING COMPANY Gregg Drilling DRILLEP BORE HOLE DIAMETER 8 inch TOTAL DEPTH 20' DEPTH TO WATER: INITIAL 16' STATIC CASING TYPE PVC DIAMETER 2 inch SCHEDULE 40 INTERVAL 0' TO 9' SCREEN TYPE Slottled PVC DIAMETER 2 inch SLOT SIZE 0.010 INTERVAL 9' TO 19' FILTER PACK TYPE Monterey Sand 42/12 SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box INTERVAL TO   |                 |  | -                      |                     |                  |   |
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| PROJECT Vogue Tyres  LOCATION 240 W. MacArthur Bivd., Oakland, California  WELL/BORING NO. MW-8  SURFACE ELEVATION WELLHEAD ELEVATION  DATE DRILLED 02/13/01 LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue  DRILLING COMPANY Gregg Drilling DRILLER METHOD Hollow Stem Auger  BORE HOLE DIAMETER 8 inch TOTAL DEPTH 20' DEPTH TO WATER: INITIAL 16' STATIC  CASING TYPE PVC DIAMETER 2 inch SCHEDULE 40 INTERVAL 0' TO 9'  SCREEN TYPE Slotted PVC DIAMETER 2 inch SLOT SIZE 0.010 INTERVAL 9' TO 19'  FILTER PACK TYPE Monterey Sand #2/12  SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box INTERVAL TO  |                 | _ 7  | 1                      |                     |                  |   |
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| DATE DRILLED 02/13/01 LOGGED BY J. Buck - AEC REVIEWED BY C. Bellue  DRILLING COMPANY Gregg Drilling DRILLER METHOD Hollow Stem Auger  BORE HOLE DIAMETER 8 inch TOTAL DEPTH 20' DEPTH TO WATER: INITIAL 16' STATIC  CASING TYPE PVC DIAMETER 2 inch SCHEDULE 40 INTERVAL 0' TO 9'  SCREEN TYPE Slotted PVC DIAMETER 2 inch SLOT SIZE 0.010 INTERVAL 9' TO 19'  FILTER PACK TYPE Monterey Sand #2/12 INTERVAL TO  SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box INTERVAL TO   | PROJECT Vogue   | Tyres  |                        |                     | 240 W. MacArthui |   |
| DRILLING COMPANY Gregg Drilling DRILLER METHOD Hollow Stem Auger  BORE HOLE DIAMETER 8 inch TOTAL DEPTH 20' DEPTH TO WATER: INITIAL 16' STATIC  CASING TYPE PVC DIAMETER 2 inch SCHEDULE 40 INTERVAL 0' TO 9'  SCREEN TYPE Slotted PVC DIAMETER 2 inch SLOT SIZE 0.010 INTERVAL 9' TO 19'  FILTER PACK TYPE Monterey Sand #2/12 INTERVAL TO  SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box INTERVAL TO  |                 | MVV-8<br>02/13/01                              |                        |                     |                  | WELLHEAD ELEVATION                                      |
| BORE HOLE DIAMETER 8 inch TOTAL DEPTH 20' DEPTH TO WATER: INITIAL 16' STATIC  CASING TYPE PVC DIAMETER 2 inch SCHEDULE 40 INTERVAL 0' TO 9'  SCHEEN TYPE Slotted PVC DIAMETER 2 inch SLOT SIZE 0.010 INTERVAL 9' TO 19'  FILTER PACK TYPE Monterey Sand #2/12  SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box INTERVAL TO  | DRILLING COMPAN | IY Gregg Dri                                   | illing                 |                     |                  |   |
| SCREEN TYPE Slotted PVC DIAMETER 2 Inch SLOT SIZE 0.010 INTERVAL 9' TO 19' FILTER PACK TYPE Monterey Sand #2/12 INTERVAL TO SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box INTERVAL TO   | CASING TYPE     | PVCD   |                        |                     |                  | DEPTH TO WATER: INITIAL 16' STATIC                      |
| SURFACE SEAL TYPE Bentonite Grout overlain by Concrete Plug & Well Box INTERVAL TO   | SCREEN TYPE Slo | tted PVC D                                     | IAMETER                |                     | SIZE 0.010       | INTERVAL 9' TO 19'                                      |
| MOTES  | SURFACE SEAL TY | PE Bentonite                                   | Grout overla           | ain by Concrete Pl  | ug & Well Box    | ·   |
| NO(E)  | NOTES           | - <u>.                                    </u> |                        |                     |                  |   |

# **Groundwater Parameters**

| Site Name:<br>Location: | 240 V | e Tyres<br>Vest MacArthur | AEC P.O. #;<br>Project #:<br>Date: | February 14, 2001 |  |
|-------------------------|-------|---------------------------|------------------------------------|-------------------|--|
| TIME                    |       | GALLONS PURGED            | CONDUCTIVITY                       | TEMPERATURE       |  |

| TIME  | GALLONS PURGED | CONDUCTIVITY | TEMPERATURE | pН       |
|---|----------------|--------------|-------------|----------|
|   |                | MONITORING   | WELL #1_    |          |
| <del></del> -                                 | 1 bailer       | 2,310        | 70.2        | 6.99     |
| <del> </del>                                  |                |              |             | <u>.</u> |
|   |                |              |             |          |
|   |                |              |             |          |
|   |                | MONITORING   | WELL #2_    |          |
|   | 1 bailer       | 2,190        | 70.0        | 7.08     |
| <del></del>                                   |                |              |             |          |
| <del>-</del>                                  |                |              |             |          |
|   |                |              |             |          |
|   |                | MONITORING   | WELL # _ 3  |          |
|   | 1 bailer       | 2,020        | 69.8        | 7.02     |
|   |                |              |             |          |
| _   |                | ·            |             |          |
| <u>,,, , , , , , , , , , , , , , , , , , </u> |                | <del> </del> |             |          |

| 3 | Ca | sin | a | Vo | slι | ım | es |
|---|----|-----|---|----|-----|----|----|
|   |    |     |   |    |     |    |    |

| 4" Screen = (. | oo gal/π) (ft) =              | _ 2" Screen = (.17 gal/ft) (   | ft) =                |
|----------------|-------------------------------|--------------------------------|----------------------|
| MW # <u>1</u>  | Depth to Groundwater = 16.15' | Corrected Depth: 16.15         | Survey: <u>4.39'</u> |
| MW # _2_       | Depth to Groundwater = 15.52' | Corrected Depth: <u>16.22'</u> | Survey: <u>5.09'</u> |
| MW# 3          | Depth to Groundwater = 14.60' | Corrected Depth: 16 15'        | Survey: 5 94'        |

# **Groundwater Parameters**

| Site Name:                   | <u>Vog</u> | ue Tyres                      | AEC P.O. #:        |                   |                                       |
|------------------------------|------------|-------------------------------|--------------------|-------------------|---------------------------------------|
| Location: 240 West MacArthur |            | Project #:                    |                    | ·                 |                                       |
|                              | <u>Oak</u> | land, CA                      | Date:              | February 14, 2001 | <del></del>                           |
| TIME                         |            | GALLONS PURGED                | CONDUCTIVITY       | TEMPERATURE       | рН                                    |
|                              |            |                               | MONITORING         | WELL#4_           |                                       |
|                              |            | 1 bailer                      | 2,140              | 69.6              | 7.09                                  |
|                              |            |                               |                    |                   | · · · · · · · · · · · · · · · · · · · |
|                              |            |                               |                    |                   |                                       |
|                              |            |                               |                    | <u> </u>          |                                       |
|                              |            |                               | MONITORING         | WELL#             |                                       |
|                              |            |                               |                    |                   |                                       |
|                              | -          |                               |                    |                   |                                       |
|                              |            |                               |                    |                   | ·                                     |
|                              |            |                               |                    |                   |                                       |
|                              |            |                               | MONITORING         | WELL#             |                                       |
|                              |            |                               |                    |                   |                                       |
|                              |            |                               |                    |                   |                                       |
|                              |            |                               |                    |                   |                                       |
|                              |            |                               |                    |                   |                                       |
| 3 Casing Volu                |            |                               |                    |                   |                                       |
|                              |            | t) (ft)=                      |                    |                   |                                       |
|                              |            | to Groundwater = <u>14.65</u> |                    | 16.15' Survey:    | 5.72'                                 |
|                              |            | to Groundwater =              | •                  | Survey: _         |                                       |
| MW #                         | Depth      | to Groundwater =              | _ Corrected Depth: | Survey: _         | ·· <del>·</del>                       |



## Analytical & Consulting Services

4309 Armour Avenue Bakersfield, California 93308

(661) 395-0539 FAX (661) 395-3069

Advanced Environmental Concepts

4400 Ashe Road Suite 206 Bakersfield, CA 93313

Attention: Jon Buck

Sample Type:

Water

Description:

MW-5, Vogue Tyres Sampled by Jon Buck Laboratory No: 0102199-15 Date Received: 02/15/01

Date Reported: 02/23/01

Contract No. :

Date Sampled : 02/14/01

Time Sampled :

REPORT OF ANALYTICAL RESULTS

| Constituents                   | Results | Units | DLR Method/Ref    |
|--------------------------------|---------|-------|-------------------|
| BTXEM & TPH-Gasoline           |         |       | Date Meeriod/ Ref |
| Methyl tert-Butyl Ether (MTBE) | ND      | ug/L  | 0.3 8020/8015M/8  |
| Benzene                        | 76.9    | ug/L  | 7.5 8020/8015M/8  |
| Toluene                        | 21.1    | ug/L  | 7.5 8020/8015M/8  |
| Ethylbenzene                   | 47.3    | ug/L  | 7.5 8020/8015M/8  |
| Total Xylenes                  | 312     | ug/L  | 15 8020/8015M/8   |
| TPH Gasoline                   | 5,66    | mg/1  | 0.50 8020/8015M/8 |

Analyzed:

JMM

Method Reference 8. DOHS LUFT Manual

mg/L: milligrams per Liter (parts per million)
ug/L: micrograms per Liter (parts per billion)
umhos/cm: micromhos/cm at 25 C
mmhos/cm: millimhos/cm at 25 C

Lab Operations Manager

Etherton,

ND : None Detected N/A : Not Applica NSS : Not Sufficient Sample for Analysis N/A : Not Applicable DLR : Detection Limit for Reporting Purposes



#### Analytical & Consulting Services

4309 Armour Avenue Bakersfield, California 93308

(661) 395-0539 FAX (661) 395-3069

Advanced Environmental Concepts

4400 Ashe Road Suite 206 Bakersfield, CA 93313

Attention: Jon Buck

Sample Type:

CAM Solid

Description:

Sampled by Jon Buck

MW-5 @ 5', Vogue Tyres

Laboratory No: 0102199-1 Date Received: 02/15/01 Date Reported: 02/23/01

Contract No. :

Date Sampled: 02/13/01

Time Sampled :

REPORT OF ANALYTICAL RESULTS

| Constituents                   | Results | Units   | DLR Method/Ref    |
|--------------------------------|---------|---------|-------------------|
| BTXEM & TPH-Gasoline           |         | 0111123 | DLR Method/Ref    |
| Methyl tert-Butyl Ether (MTBE) | ND      | ug/kg   | 5.0 8020/8015M/8  |
| Benzene                        | ND      | ug/kg   | 5.0 8020/8015M/8  |
| Toluene                        | ND      | ug/kg   | 5.0 8020/8015M/8  |
| Ethylbenzene                   | ND      | ug/kg   | 5.0 8020/8015M/8  |
| Total Xylenes                  | ND      | ug/kg   | 15.0 8020/8015M/8 |
| TPH Gasoline                   | ND      | mg/kg   | 10 8020/8015M/8   |

Analyzed: 02/20/01

MML

CC:

Method Reference 8. DOHS LUFT Manual

mg/h: milligrams per Liter (parts per million) ug/L: micrograms per Liter (parts per billion)

Etherton, Lab Operations Manager

umhos/cm : micromhos/cm at 25 C mmhos/cm : millimhos/cm at 25 C

ND : None Detected N/A : Not Applicable NSS : Not Sufficient Sample for Analysis DLR : Detection Limit for Reporting Purposes



## Analytical & Consulting Services

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Advanced Environmental Concepts

4400 Ashe Road Suite 206 Bakersfield, CA 93313

Laboratory No: 0102199-2 Date Received: 02/15/01 Date Reported: 02/23/01

Contract No. :

Date Sampled : 02/13/01

Time Sampled :

Attention: Jon Buck

Sample Type:

CAM Solid

Description:

MW-5 @ 10', Vogue Tyres

Sampled by Jon Buck

#### REPORT OF ANALYTICAL RESULTS

| Constituents                   | Results | Units | DLR Method/Ref    |
|--------------------------------|---------|-------|-------------------|
| BTXEM & TPH-Gasoline           |         |       | DIR MELHON/REI    |
| Methyl tert-Butyl Ether (MTBE) | ND      | ug/kg | 5.0 8020/8015M/8  |
| Benzene                        | ND      | ug/kg | 5.0 8020/8015M/8  |
| Toluene                        | ND      | ug/kg | 5.0 8020/8015M/8  |
| Ethylbenzene                   | ND      | ug/kg | 5.0 8020/8015M/8  |
| Total Xylenes                  | ND      | ug/kg | 15.0 8020/8015M/8 |
| TPH Gasoline                   | ND      | mg/kg | 10 8020/8015M/8   |

Analyzed : 02/20/01

JMM

cc:

Method Reference 8. DOHS LUFT Manual

> milligrams per Liter (parts per million) ug/L: micrograms per Liter (parts per billion)
> umhos/cm: micromhos/cm at 25 C
> mmhos/cm: millimhos/cm at 25 C

Lab Operations Manager

Etherton,

N/A : Not Applicable ND : None Detected NSS : Not Sufficient Sample for Analysis DLR : Detection Limit for Reporting Purposes



# ZALCO LABORATORIES, INC. Analytical & Consulting Services

4309 Armour Avenue Bakersfield, California 93308 (661) 395-0539 FAX (661) 395-3069

Advanced Environmental Concepts

4400 Ashe Road Suite 206 Bakersfield, CA 93313

Attention: Jon Buck

Sample Type:

CAM Solid

Description:

MW-5 @ 15', Vogue Tyres

Sampled by Jon Buck

Laboratory No: 0102199-3 Date Received: 02/15/01 Date Reported: 02/23/01

Contract No. :

Date Sampled : 02/13/01

Time Sampled :

REPORT OF ANALYTICAL RESULTS

| Constituents                   | Results | Units  | DLR  | Method/Ref   |
|--------------------------------|---------|--------|------|--------------|
| BTXEM & TPH-Gasoline           |         | 001100 | Бык  | Heritod/ker  |
| Methyl tert-Butyl Ether (MTBE) | ND      | ug/kg  | 3000 | 8020/8015M/8 |
| Benzene                        | 25600   | ug/kg  |      | 8020/8015M/8 |
| Toluene                        | 12000   | ug/kg  | 3000 | 8020/8015M/8 |
| Ethylbenzene<br>Total Xylenes  | 55800   | ug/kg  | 3000 | 8020/8015M/8 |
| TPH Gasoline                   | 386000  | ug/kg  | 3000 | 8020/8015M/8 |
| IIII Gasoline                  | 11700   | mg/kg  | 3000 | 8020/8015M/8 |

Analyzed : 02/20/01

JMM

CC:

Method Reference

8. DOHS LUFT Manual

mg/L : milligrams per Liter (parts per million) ug/L : micrograms per Liter (parts per billion)

Lab Operations Manager

umhos/cm : micromhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C

ND: None Detected N/A: Not Applicable
NSS: Not Sufficient Sample for Analysis
DLR: Detection Limit for Reporting Purposes



# ZALCO LABORATORIES, INC. Analytical & Consulting Services

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(661) 395-0539 FAX (661) 395-3069

Advanced Environmental Concepts 4400 Ashe Road Suite 206

Laboratory No: 0102199-4 Date Received: 02/15/01 Date Reported: 02/23/01

Bakersfield, CA 93313

Attention: Jon Buck

Contract No. :

Date Sampled : 02/13/01

Sample Type:

Time Sampled :

CAM Solid

Description:

MW-5 @ 20', Vogue Tyres

Sampled by Jon Buck

#### REPORT OF ANALYTICAL RESULTS

| Constituents                   | Results | Units  | ח זה | M. 13 3/~ 5  |
|--------------------------------|---------|--------|------|--------------|
| BTXEM & TPH-Gasoline           |         | OHILES | DLR  | Method/Ref   |
| Methyl tert-Butyl Ether (MTBE) | ND      | uq/kg  | 5.0  | 8020/8015M/8 |
| Benzene                        | ND      | ug/kq  |      | 8020/8015M/8 |
| Toluene                        | ND      | ug/kg  |      | , , ,        |
| Ethylbenzene                   | ND      | J. J   |      | 8020/8015M/8 |
| Total Xylenes                  |         | ug/kg  |      | 8020/8015M/8 |
| TPH Gasoline                   | ND      | ug/kg  | 15.0 | 8020/8015M/8 |
| IFH GASOTINE                   | ND      | mg/kg  | 10   | 8020/8015M/8 |

Analyzed: 02/20/01

JMM

Method Reference

8. DOHS LUFT Manual

Etherton, Lab Operations Manager

mg/L milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
umhos/cm : micromhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C
ND : None Detected N/A : Not Applicable
NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes



## ZALCO LABORATORIES, INC. Analytical & Consulting Services

4309 Armour Avenue Bakersfield, California 93308

(661) 395-0539 FAX (661) 395-3069

Advanced Environmental Concepts

4400 Ashe Road Suite 206 Bakersfield, CA 93313

Attention: Jon Buck

Sample Type:

Water

Description:

MW-6, Vogue Tyres

Sampled by Jon Buck

Laboratory No: 0102199-14 Date Received: 02/15/01

Date Reported: 02/23/01 Contract No. :

Date Sampled : 02/14/01

Time Sampled :

REPORT OF ANALYTICAL RESULTS

| Constituents                   | Results   | Units      | DID . N. 13 3/2 5 |
|--------------------------------|-----------|------------|-------------------|
| BTXEM & TPH-Gasoline           | 100042.00 | OHICS      | DLR Method/Ref    |
| Methyl tert-Butyl Ether (MTBE) | ND        | ug/L       | 0.3 8020/8015M/8  |
| Benzene                        | 17.0      | <u>.</u> . |                   |
| Toluene                        |           | ug/L       | 0.3 8020/8015M/8  |
| Ethylbenzene                   | 0.967     | ug/L       | 0.3 8020/8015M/8  |
| Total Xylenes                  | 11.1      | ug/L       | 0.3 8020/8015M/B  |
| <del>-</del>                   | 51.4      | ug/L       | 7.5 8020/8015M/8  |
| TPH Gasoline                   | 1.34      | mg/1       | 0.50 8020/8015M/8 |

Analyzed: 02/20/01

JMM

Method Reference 8. DOHS LUFT Manual

mg/L (milligrams per Liter (parts per million) ug/L : micrograms per Liter (parts per billion)

Etherton, Lab Operations Manager

umhos/cm : micromhos/cm at 25 C mmhos/cm : millimhos/cm at 25 C

ND : None Detected N/A : Not Applicable NSS : Not Sufficient Sample for Analysis DLR : Detection Limit for Reporting Purposes



# ZALCO LABORATORIES, INC. Analytical & Consulting Services

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(661) 395-0539 FAX (661) 395-3069

Advanced Environmental Concepts

4400 Ashe Road Suite 206 Bakersfield, CA 93313

Attention: Jon Buck

Sample Type:

Water

Description:

MW-7, Vogue Tyres Sampled by Jon Buck Laboratory No: 0102199-12 Date Received: 02/15/01

Date Reported: 02/23/01

Contract No. :

Date Sampled : 02/14/01

Time Sampled:

REPORT OF ANALYTICAL RESULTS

| Constituents                   | Results | Units   | DLR | Mothed /D. E |
|--------------------------------|---------|---------|-----|--------------|
| BTXEM & TPH-Gasoline           |         | 0111 03 | DBR | Method/Ref   |
| Methyl tert-Butyl Ether (MTBE) | 284     | ug/L    | 7.5 | 8020/8015M/8 |
| Benzene                        | ND      | uq/L    |     | 8020/8015M/8 |
| Toluene                        | ND      | ug/L    |     | 8020/8015M/8 |
| Ethylbenzene                   | ND      | ug/L    |     | 8020/8015M/8 |
| Total Xylenes                  | ND      | ug/L    | 0.3 | 8020/8015M/8 |
| TPH Gasoline                   | ND      | mg/1    | 0.5 | 8020/8015M/8 |

Analyzed : 02/20/01

JMM

Method Reference 8. DOHS LUFT Manual

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)
umhos/cm : micromhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C

Lab Operations Manager

ND : None Detected N/A : Not Applicable NSS : Not Sufficient Sample for Analysis DLR : Detection Limit for Reporting Purposes



# Analytical & Consulting Services

4309 Armour Avenue Bakersfield, California 93308

(661) 395-0539 FAX (661) 395-3069

Advanced Environmental Concepts

4400 Ashe Road Suite 206 Bakersfield, CA 93313

Attention: Jon Buck

Sample Type:

CAM Solid

Description:

MW-7 @ 10', Vogue Tyres

Sampled by Jon Buck

Laboratory No: 0102199-9 Date Received: 02/15/01 Date Reported: 02/23/01

Contract No. :

Date Sampled : 02/13/01

Time Sampled :

REPORT OF ANALYTICAL RESULTS

| Constituents                   | Results | Units  | DLR  | Mothed/D-E   |
|--------------------------------|---------|--------|------|--------------|
| BTXEM & TPH-Gasoline           |         | OULLES | DLK  | Method/Ref   |
| Methyl tert-Butyl Ether (MTBE) | ND      | ug/kg  | 5.0  | 8020/8015M/8 |
| Benzene                        | ND      | ug/kg  |      | 8020/8015M/8 |
| Toluene                        | ND      | ug/kg  |      | 8020/8015M/8 |
| Ethylbenzene                   | ND      | ug/kg  |      | 8020/8015M/8 |
| Total Xylenes                  | ND      | ug/kg  | 15.0 | 8020/8015M/8 |
| TPH Gasoline                   | ND      | mg/kg  | 10   | 8020/8015M/8 |

Analyzed : 02/20/01

JMM

cc:

Method Reference

8. DOHS LUFT Manual

mg/L(: milligrams per Liter (parts per million)
ug/L: micrograms per Liter (parts per billion)

Lab Operations Manager

umhos/cm : micromhos/cm at 25 C mmhos/cm : millimhos/cm at 25 C

Ethertom,

ND : None Detected N/A : Not Applicable NSS : Not Sufficient Sample for Analysis DLR : Detection Limit for Reporting Purposes



#### Analytical & Consulting Services

4309 Armour Avenue Bakersfield, California 93308

(661) 395-0539 FAX (661) 395-3069

Advanced Environmental Concepts

4400 Ashe Road Suite 206 Bakersfield, CA 93313

Attention: Jon Buck

Sample Type:

CAM Solid

Description:

MW-7 @ 15', Vogue Tyres

Sampled by Jon Buck

Laboratory No: 0102199-10

Date Received: 02/15/01 Date Reported: 02/23/01

Contract No. :

Date Sampled : 02/13/01

Time Sampled :

REPORT OF ANALYTICAL RESULTS

| Constituents                   | Results | Units | DLR  | Method/Ref   |
|--------------------------------|---------|-------|------|--------------|
| BTXEM & TPH-Gasoline           |         |       |      | Hediody Ker  |
| Methyl tert-Butyl Ether (MTBE) | ND      | ug/kg | 5.0  | 8020/8015M/8 |
| Benzene                        | ND      | ug/kg |      | 8020/8015M/8 |
| Toluene                        | ND      | ug/kg |      | 8020/8015M/8 |
| Ethylbenzene                   | ND      | ug/kg | 5.0  | 8020/8015M/8 |
| Total Xylenes                  | ND      | ug/kg | 15.0 | 8020/8015M/8 |
| TPH Gasoline                   | ND      | mg/kg | 10   | 8020/8015M/8 |

Analyzed : 02/20/01

JMM

Method Reference

B. DOHS LUFT Manual

Lab Operations Manager

mg/L : milligrams per Liter (parts per million)
ug/L : micrograms per Liter (parts per billion)

umhos/cm : micromhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C
mmhos/cm : millimhos/cm at 25 C
ND : None Detected N/A : Not Applicable
NSS : Not Sufficient Sample for Analysis
DLR : Detection Limit for Reporting Purposes



#### Analytical & Consulting Services

4309 Armour Avenue Bakersfield, California 93308

(661) 395-0539 FAX (661) 395-3069

Advanced Environmental Concepts

4400 Ashe Road Suite 206 Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: CAM Solid

Description: MW-7 @ 20', Vogue Tyres Sampled by Jon Buck

Laboratory No: 0102199-11 Date Received: 02/15/01 Date Reported: 02/23/01

Contract No. :

Date Sampled : 02/13/01

Time Sampled:

REPORT OF ANALYTICAL RESULTS

| Constituents BTXEM & TPH-Gasoline | Results | Units | DLR Method/Ref    |
|-----------------------------------|---------|-------|-------------------|
| Methyl tert-Butyl Ether (MTBE)    | ND      | ug/kg | 5.0 8020/8015M/8  |
| Benzene                           | ND      | ug/kg | 5.0 8020/8015M/8  |
| Toluene                           | ND      | ug/kg | 5.0 8020/8015M/8  |
| Ethylbenzene<br>Total Xylenes     | ND      | ug/kg | 5.0 8020/8015M/8  |
| TPH Gasoline                      | ND      | ug/kg | 15.0 8020/8015M/8 |
| TIN GOSOTINE                      | ND      | mg/kg | 10 8020/8015M/8   |

Analyzed : 02/20/01

MMU

cc:

Method Reference 8. DOHS LUFT Manual

mg/L milligrams per Liter (parts per million)

Lab Operations Manager

ug/L : micrograms per Liter (parts per billion) umhos/cm : micromhos/cm at 25 C

mmhos/cm : millimhos/cm at 25 C mmhos/cm : millimhos/cm at 25 C ND : None Detected N/A : Not Applicable NSS : Not Sufficient Sample for Analysis DLR : Detection Limit for Reporting Purposes



#### Analytical & Consulting Services

4309 Armour Avenue Bakersfield, California 93308

(661) 395-0539 FAX (661) 395-3069

Advanced Environmental Concepts

4400 Ashe Road Suite 206 Bakersfield, CA 93313

Attention: Jon Buck

Sample Type:

Water

Description:

MW-8, Vogue Tyres

Sampled by Jon Buck

Laboratory No: 0102199-13 Date Received: 02/15/01 Date Reported: 02/23/01

Contract No. :

Date Sampled : 02/14/01

Time Sampled:

REPORT OF ANALYTICAL RESULTS

| Constituents                   | Results | Units   | DLR  | Method/Ref   |
|--------------------------------|---------|---------|------|--------------|
| BTXEM & TPH-Gasoline           |         | 0112 00 | Duk  | Mechody Rei  |
| Methyl tert-Butyl Ether (MTBE) | 620     | ug/L    | 15   | 8020/8015M/8 |
| Benzene                        | 3.97    | ug/L    |      | 8020/8015M/8 |
| Toluene                        | ND      | ug/L    |      | ,            |
| Ethylbenzene                   | 3.78    | - ·     |      | 8020/8015M/8 |
| Total Xylenes                  | · · · - | ug/L    |      | 8020/8015M/8 |
| TPH Gasoline                   | 1.63    | ug/L    | 0.6  | 8020/8015M/8 |
| TEN GASOTINE                   | 1.00    | mg/l    | 0.50 | 8020/8015M/8 |

Analyzed: 02/20/01

JMM

Method Reference

8. DOHS LUFT Manual

mg/L : milligrams (per Liter (parts per million) ug/L : micrograms per Liter (parts per billion)

Lab Operations Manager

umhos/cm : micromhos/cm at 25 C munhos/cm : millimhos/cm at 25 C

Éthertop,

ND : None Detected N/A : Not Applica NSS : Not Sufficient Sample for Analysis N/A : Not Applicable DLR : Detection Limit for Reporting Purposes



## Analytical & Consulting Services

4309 Armour Avenue Bakersfield, California 93308 (661) 395-0539 FAX (661) 395-3069

Advanced Environmental Concepts

4400 Ashe Road Suite 206 Bakersfield, CA 93313

Attention: Jon Buck

Sample Type:

CAM Solid

Description:

MW-8 @ 5', Vogue Tyres Sampled by Jon Buck Laboratory No: 0102199-5 Date Received: 02/15/01

Date Reported: 02/23/01

Contract No. :
Date Sampled : 02/13/01

Time Sampled :

REPORT OF ANALYTICAL RESULTS

| Constituents                   | Results | Units | DLR  | Method/Ref   |
|--------------------------------|---------|-------|------|--------------|
| BTXEM & TPH-Gasoline           |         |       |      | ricenday Ker |
| Methyl tert-Butyl Ether (MTBE) | ND      | ug/kg | 5.0  | 8020/8015M/8 |
| Benzene                        | ND      | ug/kg |      | 8020/8015M/8 |
| Toluene                        | ND      | ug/kg |      | 8020/8015M/8 |
| Ethylbenzene                   | ND      | ug/kg | 5.0  | 8020/8015M/8 |
| Total Xylenes                  | ND      | ug/kg | 15.0 | 8020/8015M/8 |
| TPH Gasoline                   | ND      | mg/kg | 1.0  | 8020/8015M/8 |

Analyzed: 02/20/01

JMM

cc:

Method Reference
B. DOHS LUFT Manual

in Etherton, Lab Operations Manager

mg/L milligrams per Liter (parts per million) ug/L : micrograms per Liter (parts per billion)

umhos/cm : micromhos/cm at 25 C mmhos/cm : millimhos/cm at 25 C

mmnos/cm : millimnos/cm at 25 C

ND : None Detected N/A : Not Applicable

NSS : Not Sufficient Sample for Analysis

DLR : Detection Limit for Reporting Purposes



#### Analytical & Consulting Services

4309 Armour Avenue Bakersfield, California 93308

(661) 395-0539 FAX (661) 395-3069

Advanced Environmental Concepts

4400 Ashe Road Suite 206 Bakersfield, CA 93313

Attention: Jon Buck

Sample Type: CAM Solid

Description:

MW-8 @ 10', Vogue Tyres

Sampled by Jon Buck

Laboratory No: 0102199-6 Date Received: 02/15/01 Date Reported: 02/23/01

Contract No. :

Date Sampled : 02/13/01

Time Sampled :

REPORT OF ANALYTICAL RESULTS

| Constituents BTXEM & TPH-Gasoline | Results  | Units          | DLR | Method/Ref                   |
|-----------------------------------|----------|----------------|-----|------------------------------|
| Methyl tert-Butyl Ether (MTBE)    | ND       | ug/kg          | F 0 | 0000100==-1-                 |
| Benzene                           | ND       | ug/kg<br>ug/kg |     | 8020/8015M/8<br>8020/8015M/8 |
| Toluene                           | ND       | ug/kg          |     | 8020/8015M/8                 |
| Ethylbenzene<br>Total Xylenes     | ND       | ug/kg          |     | 8020/8015M/8                 |
| TPH Gasoline                      | ND<br>ND | ug/kg          |     | 8020/8015M/8                 |
|                                   | ND       | mg/kg          | 10  | 8020/8015M/8                 |

Analyzed: 02/20/01

JMM

Method Reference

8. DOHS LUFT Manual

Lab Operations Manager

mg/L: milligrams per Liter (parts per million)
ug/L: micrograms per Liter (parts per billion)

umhos/cm : micromhos/cm at 25 C mmhos/cm : millimhos/cm at 25 C

Etherton,

ND : None Detected N/A : Not Applicable NSS : Not Sufficient Sample for Analysis DLR : Detection Limit for Reporting Purposes



#### Analytical & Consulting Services

4309 Armour Avenue Bakersfield, California 93308

(661) 395-0539 FAX (661) 395-3069

Advanced Environmental Concepts

4400 Ashe Road Suite 206 Bakersfield, CA 93313

Attention: Jon Buck

Sample Type:

CAM Solid

Description:

MW-8 @ 15', Vogue Tyres Sampled by Jon Buck

Laboratory No: 0102199-7

Date Received: 02/15/01 Date Reported: 02/23/01

Contract No. :

Date Sampled : 02/13/01

Time Sampled :

REPORT OF ANALYTICAL RESULTS

| Constituents                   | Results | Units    | DLR Method/Ref    |
|--------------------------------|---------|----------|-------------------|
| BTXEM & TPH-Gasoline           |         | <u> </u> | DLR Method/Ref    |
| Methyl tert-Butyl Ether (MTBE) | ND      | ug/kg    | 5.0 8020/8015M/8  |
| Benzene                        | ND      | ug/kg    | 5.0 8020/8015M/8  |
| Toluene                        | ND      | ug/kg    | 5.0 8020/8015M/8  |
| Ethylbenzene                   | ND      | ug/kg    | 5.0 8020/8015M/8  |
| Total Xylenes TPH Gasoline     | ND      | ug/kg    | 15.0 8020/8015M/8 |
| irn dabuline                   | ND      | mg/kg    | 10 8020/8015M/8   |

Analyzed: 02/20/01

JMM

Method Reference

8. DOHS LUFT Manual

im Etherton, Lab Operations Manager

mg/L: milligrams per Liter (parts per million)
ug/L: micrograms per Liter (parts per billion)

umhos/cm : micromhos/cm at 25 C mmhos/cm : millimhos/cm at 25 C

ND : None Detected N/A : Not Applicable NSS : Not Sufficient Sample for Analysis DLR : Detection Limit for Reporting Eurposes



#### Analytical & Consulting Services

4309 Armour Avenue Bakersfield, California 93308 (661) 395-0539 FAX (661) 395-3069

Advanced Environmental Concepts

4400 Ashe Road Suite 206 Bakersfield, CA 93313

Attention: Jon Buck

Sample Type:

CAM Solid

Description:

MW-8 @ 20', Vogue Tyres

Sampled by Jon Buck

Laboratory No: 0102199-8 Date Received: 02/15/01 Date Reported: 02/23/01

Contract No. :

Date Sampled : 02/13/01

Time Sampled :

REPORT OF ANALYTICAL RESULTS

| Constituents BTXEM & TPH-Gasoline  | Results                            | Units  | DLR                       | Method/Ref   |
|--|------------------------------------|--|---------------------------|--|
| Methyl tert-Butyl Ether (MTBE) Benzene Toluene Ethylbenzene Total Xylenes TPH Gasoline | 72.3<br>ND<br>ND<br>ND<br>ND<br>ND | ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>mg/kg | 5.0<br>5.0<br>5.0<br>15.0 | 8020/8015M/8<br>8020/8015M/8<br>8020/8015M/8<br>8020/8015M/8<br>8020/8015M/8<br>8020/8015M/8 |

Analyzed: 02/20/01

JMM

CC:

Method Reference

8. DOHS LUFT Manual

mg/L : milligrams per Liter (parts per million) ug/L : micrograms per Liter (parts per billion)

Lab Operations Manager

umhos/cm : micromhos/cm at 25 C mmhos/cm : millimhos/cm at 25 C

ND : None Detected N/A : Not Applicable NSS : Not Sufficient Sample for Analysis DLR : Detection Limit for Reporting Purposes

| CHAIN-OF-CUSTODY RECORD 1.2199   |  |               |                                |   |              |             |          |                      |  |
|--|--|---------------|--------------------------------|---|--------------|-------------|----------|----------------------|--|
| Project Address Project Address  | Client Projec                                |               |                                | 2   | THIDE        | Analysis Re | quested  |                      | Page of Z  |
| Project Addises  A D W. MA (Arthur  Sampler's Signature  Sampler's Signature  Sampler's Signature  Manual  Man | 24-Hour-<br>2 48-Hour-<br>Normal<br>Mobile L | Rush<br>Rush  | Laboratory<br>Sample<br>Number | Sample Marrix: Soi(S)<br>Bludge(SL), Aqueous(A) | TPH-9/18TAE, |             |          | Number of Containers | Leb Use Only. Sample Condition as received: Chilled Vas / No Sealed Yes / No                           |
| Sample Location  | Date   | Time          | Car<br>Sea<br>Sea<br>Sea       | Sara  | 5            |             |          | 2 2                  | Container / Comments   |
| MW-5   | 213/21                                       |               |                                | 5   | /            |             |          | 1                    | Jon wants  |
| MW-51  |  |               |                                |   | 1            |             |          | 1                    | Jon Wants<br>Soil Samples  |
| MW.5,<br>615   |  |               |                                |   | /            |             |          | 1                    | back.  |
| MW/5,<br>e20!  |  |               |                                |   | /            |             |          | 1                    |  |
| MM-R   |  |               |                                |   | 7            |             |          | 1                    |  |
| MM-8.  |  |               |                                |   | /            |             |          | 1                    |  |
| HW-8,  |  |               |                                |   | 1            |             | <u> </u> |                      |  |
| mw ig  |  |               |                                |   | 7            |             |          | 1                    |  |
| μW.7,  | 1  |               |                                |   | /            |             |          |                      |  |
| MW- + 1  | 21/201                                       |               |                                |   | 7            |             |          | (                    |  |
| Relinquished by (Signature)  |  | Received by   | : (Signature)                  | 4 <u></u> 4                                     |              |             | Date     | 0                    | Total Number of Containers   |
| Company: PFC   | Time (UD)                                    | Company:      |                                |   |              |             | Time     |                      |  |
| Relinquished by: (Signature)   | Date   | Placetived by | Laborafon:                     | gnatu   | ne)          |             | 04/15/01 | -AD                  | VANCED ENVIRONMENTAL CONCEPTS INC-   |
| Company:   | Time   | Company:      | 1413                           | 1   |              |             | Time     |                      | 31-1646 4400 ASHE ROAD, #206<br>61/831-1771 BAKERSFIELD, CA 93313<br>E-mail: advanced @ lightspeed.net |

## **CHAIN-OF-CUSTODY RECORD**

| ~!!   | <del></del>   |                                |   |             | ·          |                    |  |
|---|---|--------------------------------|---|-------------|------------|--------------------|--|
| AEC   | Date 213-14 01  |                                | יַע   | Analysis    | Requested  |                    | LAB Project # 190  |
| Project Name GUE Tyres  | Client Project #  |                                | \$  |             |            |                    | Page of Z  |
| Project Address  240 W. MACArthur  DAK Gh K. CA  Sampler's Madure  Nature  Nature | Turn Around Reques  24-Hour-Rush 48-Hour-Rush Mormal Mobile Lab | Laboratory<br>Sample<br>Number | Semple Metrix: Solf(8)<br>Shudge(St.), Aqueous(A)<br>TPH-P   INXL |             |            | iber of Containers | Leb Use Only. Sample Condition as received: Chilled Kes No Sealed Yes No                               |
| Sample Sample Location  | Date Tim  | Series Kura                    | Sample<br>Shudge(   |             |            | Number             | Container / Comments   |
| MW-7,   | 21301   |                                |   |             |            | ı                  |  |
| NW.7  | 2140  |                                | 17  |             |            | 2                  |  |
| MW-B  | 1(  |                                |   |             |            | 2                  |  |
| WM.C  | . 4   |                                |   |             |            | 2                  |  |
| Wm. g   | 2 14/01   |                                |   | 7           |            | N                  | 3  |
|   |   |                                |   |             |            |                    |  |
|   |   |                                |   |             |            |                    |  |
|   |   |                                |   |             |            |                    |  |
|   |   |                                |   |             |            |                    |  |
| _   |   |                                |   |             |            |                    |  |
| Relinquished by: (Signature)  | Date   6 Recei  | ived by: (Signature)           | <u></u>   | .— <u>i</u> | Date       | 9                  | Total Number of Containers   |
| Company AEC   | Firme Compan  | y:                             | 1.  | <del></del> | Time       |                    | AS   |
| Relinquished by: (Signature)  | Date A Rece   | ived by Cabordoy               | (Signature)   |             | ONE POI    | •AD                | VANCED ENVIRONMENTAL CONCEPTS INC.   |
| Company:  | Time Compan   | ALCO LA                        | <b>8</b> 5  |             | Tirne 1050 |                    | 31-1846 4400 ASHE ROAD, #206<br>61/831-1771 BAKERSFIELD, CA 93313<br>E-mail: advanced @ lightspeed.net |