

THRIFTY OIL CO.

August 7, 1996

Ms. Madhulla Logan
Department of Environmental Health
1131 Harbor Bay Parkway
Room 250
Alameda, California 94502

RE: Thrifty Oil Company #052
20200 Hesperian Boulevard
Hayward, Ca
1st Quarter Report, 1996

Dear Ms. Logan:

Attached is the 1st Quarter Report 1996, for Thrifty Oil Company Station #052, 20200 Hesperian Boulevard, Hayward, Ca.

I certify under the penalty of law that this document and all attachments are prepared under my direction in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Raymond C. Friedrichsen or myself at (310) 923-9876.

Respectfully,



PETER D'AMICO
Manager
Environmental Affairs



THRIFTY OIL CO.

August 7, 1996

Ms. Madhulla Logan
Department of Environmental Health
1131 Harbor Bay Parkway
Rm 250
Alameda, California 94502

RE: Thrifty Oil Co. Station #052
20200 Hesperian Boulevard
Hayward, California
1st QUARTER REPORT, 1996

Dear Ms. Logan,

This letter serves as a progress monitoring report for Thrifty Oil Co. Station #052 located at 20200 Hesperian Boulevard (**Figure 1**). This status report presents site monitoring efforts for the 1st quarter 1996. Thrifty Oil Co. has retained Earth Management Co. (EMC) to conduct quarterly monitoring and sampling activities at the site. The data collected by EMC is reported by Thrifty in-house environmental staff shown in **Table 1**.

GROUNDWATER MONITORING

Groundwater depth measurements were obtained from the on and off-site wells (**Figure 2**) by a representative from Earth Management Co. (EMC). An Oil Recovery Marine Moisture Tape was used to collect depth to groundwater information. The depth to groundwater data was recorded by EMC on a project status sheet. Copies of the project status reports for the site visits are presented in **Appendix A**.

GROUNDWATER SAMPLING

On February 14, 1996, each groundwater monitoring well was sounded for depth to groundwater and depth to well bottom by EMC personnel. With this information, the casing volume of each well was established for the purpose of sample collection. Groundwater was purged using a teflon bailer cleaned with a solution of Alconox and water. Purged water was stored in 55-gallon D.O.T. approved drums pending proper disposal.

Groundwater samples were collected after the groundwater recovered to at least 80 percent of its initial level after waiting at least two hours. Each sample was collected using a 350 cc teflon bailer. The collected sample was transferred into laboratory supplied vials, labeled and chilled until delivery to American Analytics for analysis. The water samples were logged on a Chain-of-



Custody form to be analyzed for total hydrocarbons (TPH) for gasoline and diesel using EPA method 8015, volatile aromatic compounds (BTEX) using EPA method 8020, and Methyl Tert Butyl Ether using EPA method 8020 modified. A copy of the chain-of-custody card and analytical results are presented in **Appendix B**.

FINDINGS

On February 14, 1996, depth to groundwater beneath the site ranged from 6.70 to 12.46 feet below ground surface. Using recent survey data and the depth to water information, the groundwater flow direction was estimated to be westerly and is shown on **Figure 2**. No free product, sheen, or film was noted on the groundwater in any of the wells in the sampling period.

No detectable concentrations of TPH were found in the groundwater samples collected except wells MW-2 and MW-3 which ranged from 99 to 420 ug/L for gasoline and 1500 to 5500 ug/L for diesel. Benzene was also found in these wells ranging from 0.9 to 34 ug/L. MTBE and Benzene were also found in well MW-2 containing concentrations of 18 and 0.75ug/L, respectively. The analytical results are shown in **Table 2**. **Figure 3** presents the TPH isoconcentrations, and **Figure 4** presents the Benzene isoconcentrations established during this reporting period.

CLEAN-UP STATUS

ARCO Products Company was undertaking the remediation process at this site with vapor extraction, air sparging and Groundwater treatment. On August 28, 1995 ARCO removed their remediation equipment from these premises, and Thrifty Oil Co. assumed control of the site remediation. As per our phone conversation, Thrifty and the Alameda County Health Department agreed that Thrifty should do at least two quarterly sampling periods before installing any remediation equipment on the site. This time frame gives Thrifty a chance to review the data and determine the most effective means for remediation of the site. Thrifty did not receive the historical data until the third quarter, therefore, it is not possible at this time to determine a remediation plan.

This is Thrifty's third quarterly report for this site and is now complete with all the historical data from the site.

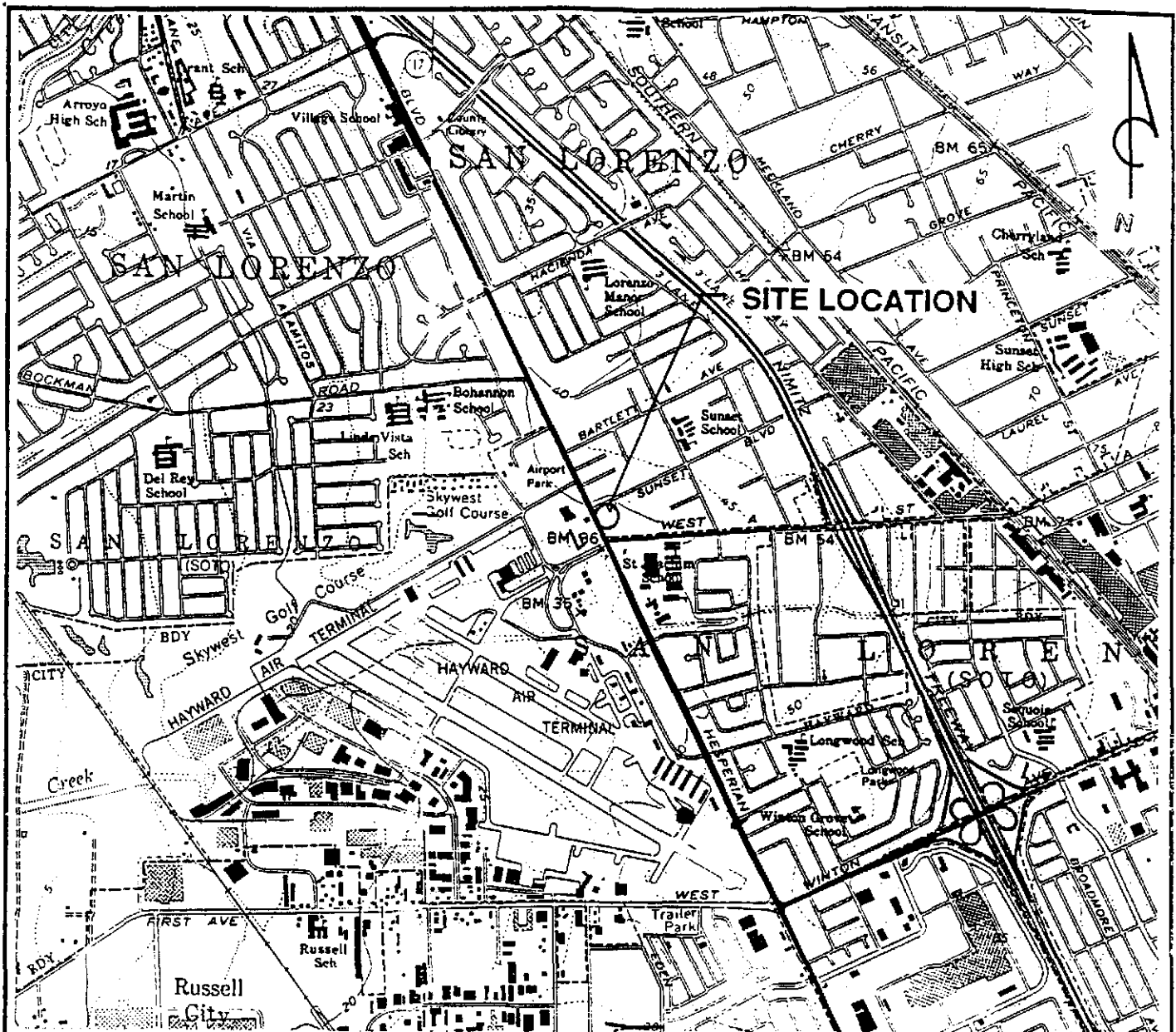
If you have any questions, please contact Ray Friedrichson or myself at (310) 923-9876.

Respectfully,



Peter D'Amico
Manager
Environmental Affairs

FIGURES

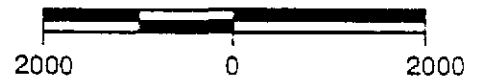


QUADRANGLE LOCATION

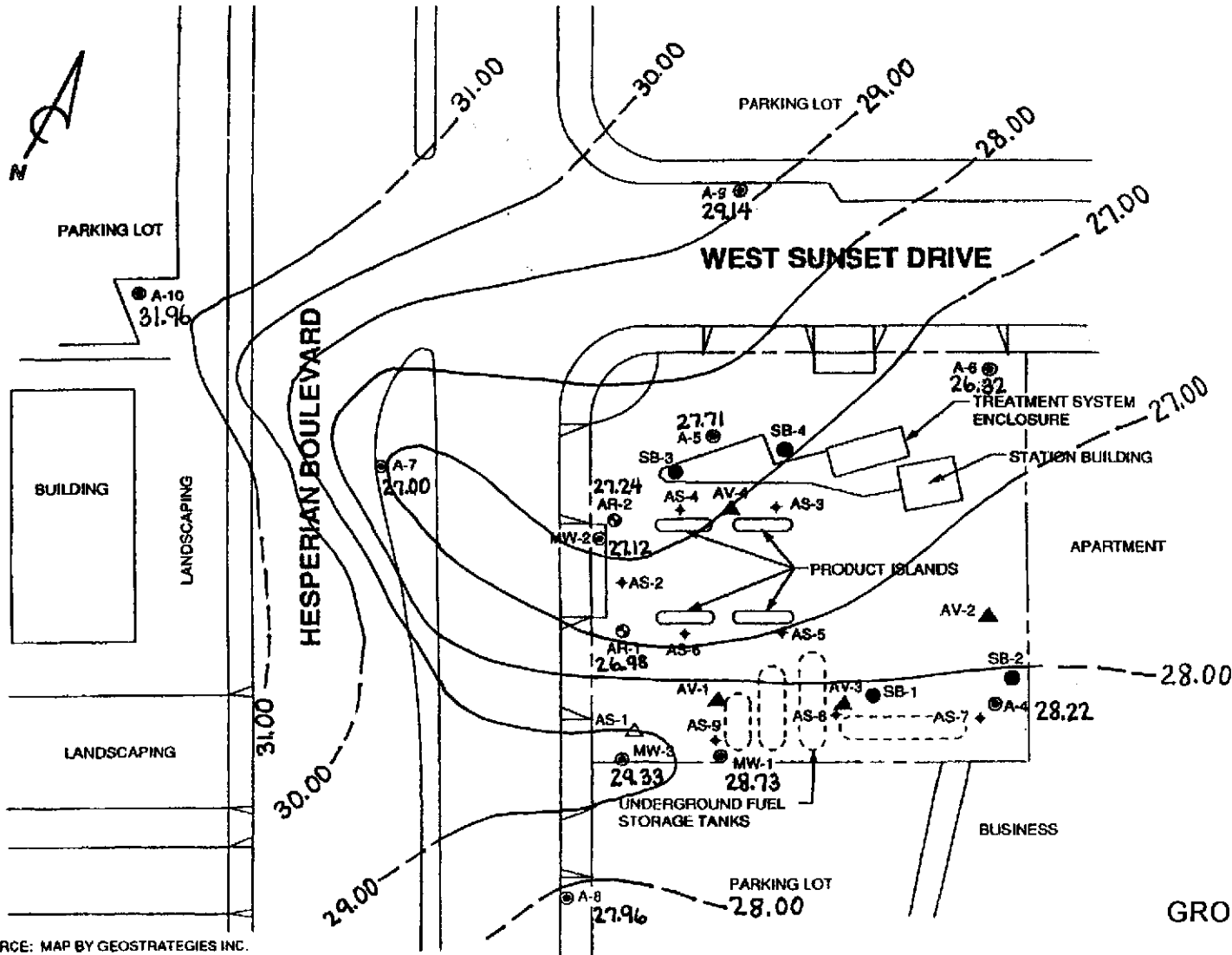
REFERENCES:

USGS 7.5 MIN. TOPOGRAPHIC MAP
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 DATED: 1959 REVISED: 1980
 TITLED: SAN LEANDRO, CALIFORNIA
 DATED: 1959 REVISED: 1980

SCALE IN FEET



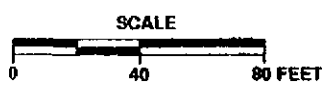
| | |
|---|---|
| <p>ARCO SERVICE STATION 5387 20200 Hesperian Boulevard at West Sunset Drive Hayward, California</p> | <p>FIGURE: 1</p> |
| <p>SITE LOCATION MAP</p> | <p>PROJECT: 330-110.5A</p> |



- LEGEND**
- A-9 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
 - AR-1 ● GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION
 - AV-2 ▲ SOIL VAPOR EXTRACTION WELL LOCATION AND DESIGNATION
 - AS-2 + AIR SPARGING WELL LOCATION AND DESIGNATION
 - AS-1 ▲ DUAL AIR SPARGE/SOIL VAPOR EXTRACTION WELL LOCATION AND DESIGNATION
 - SB-3 ● SOIL BORING LOCATION AND DESIGNATION
 - ~ GROUNDWATER CONTOUR (02/14/96)

GROUNDWATER CONTOUR MAP

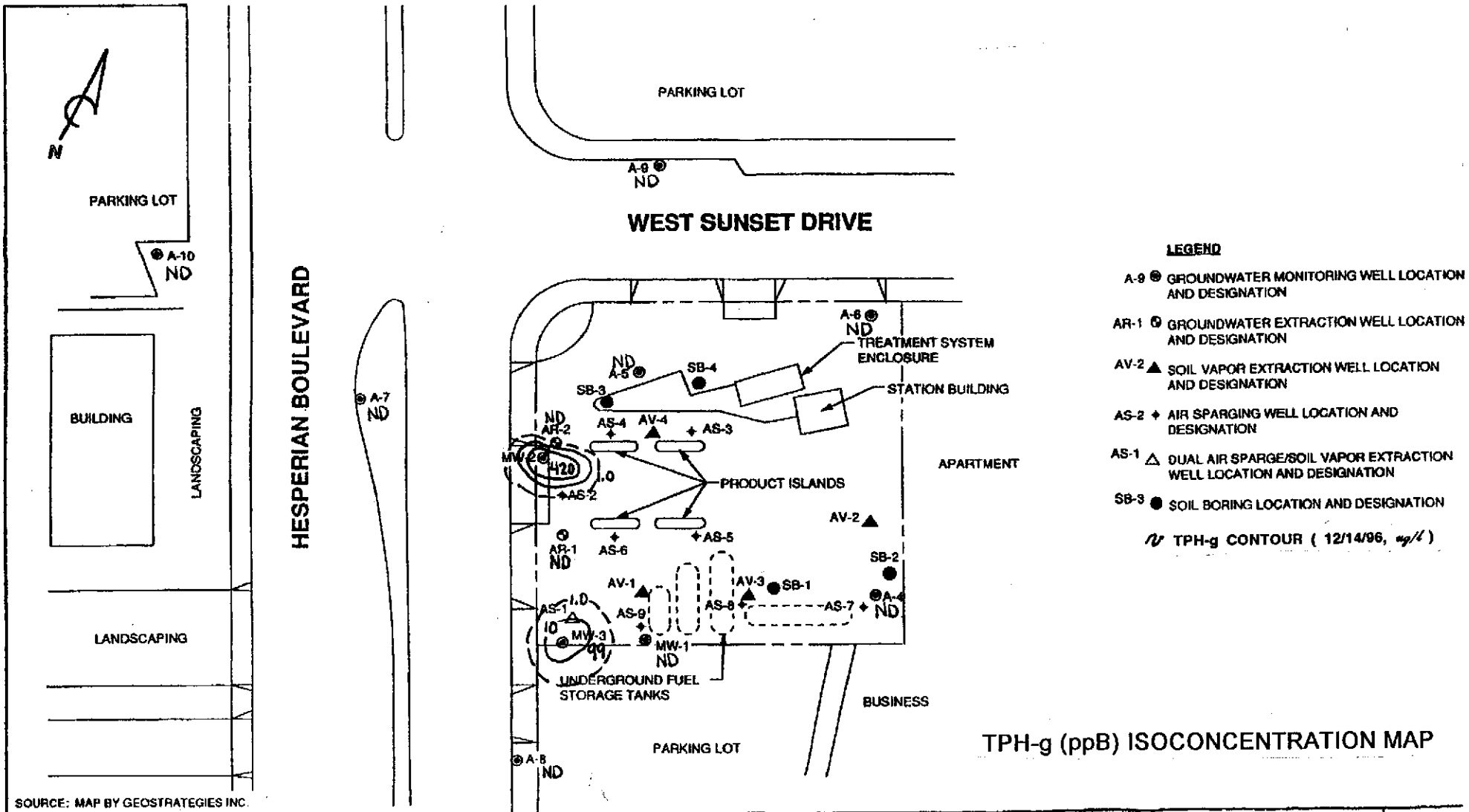
SOURCE: MAP BY GEOSTRATEGIES INC.



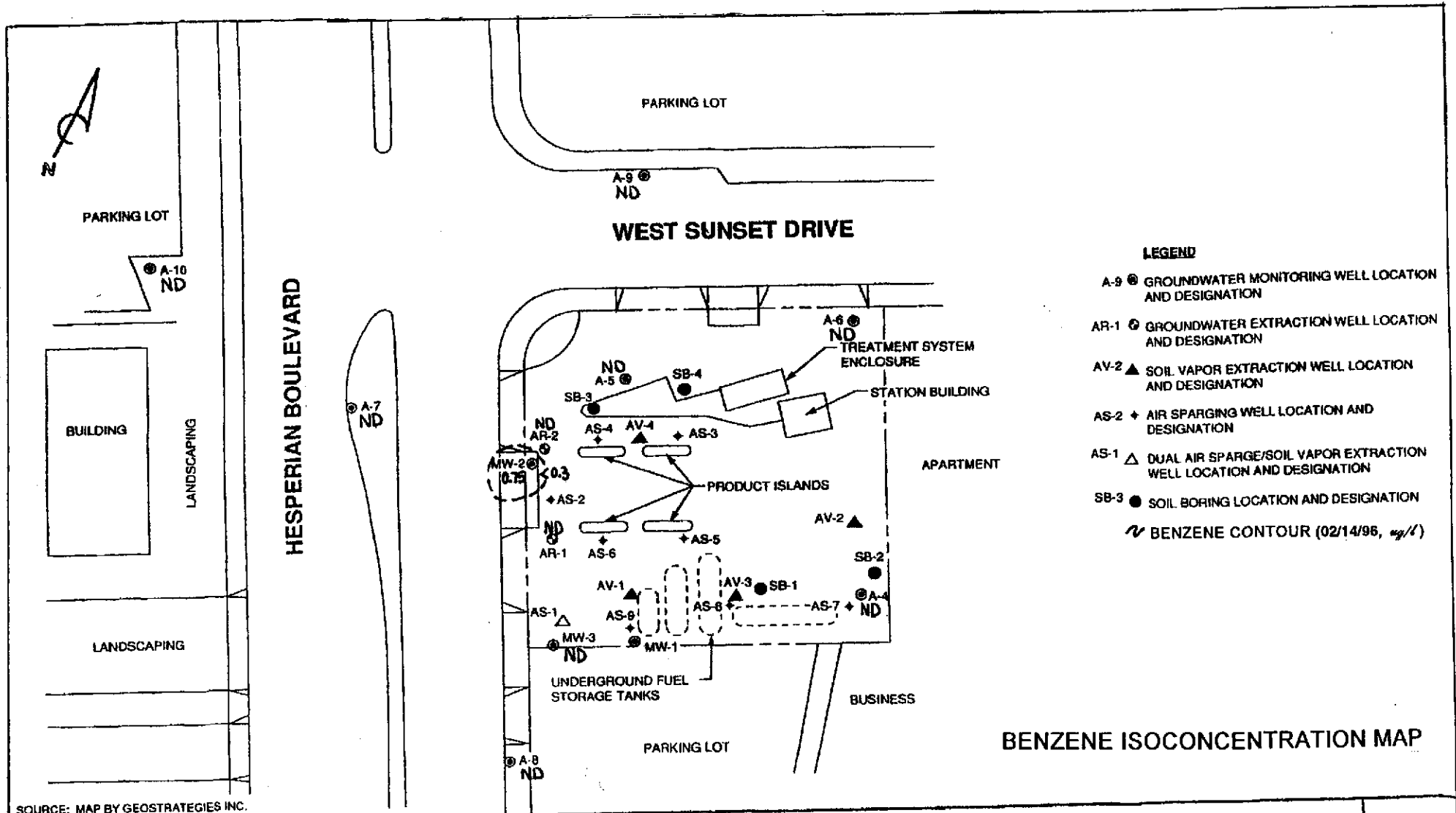
ARCO SERVICE STATION 5387
20200 Hesperian Boulevard at West Sunset Drive
Hayward, California

FIGURE:
2
PROJECT
330 110 5A

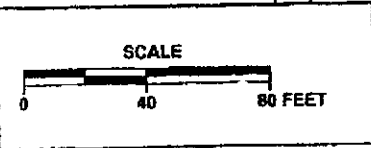
WELL LOCATION MAP



SOURCE: MAP BY GEOSTRATEGIES INC.



SOURCE: MAP BY GEOSTRATEGIES INC.



ARCO SERVICE STATION 5387
20200 Hesperian Boulevard at West Sunset Drive
Hayward, California

WELL LOCATION MAP

FIGURE:
4
PROJECT
330-110 5A

TABLES

TABLE I
GROUNDWATER DATA
THRIFTY OIL STATION #052

| DATE SAMPLED | TPH _g | TPH _d | ANALYTICAL PARAMETERS | | | | TOP OF CASING ELEVATION (feet) | DEPTH TO GROUNDWATER (feet) | DEPTH TO PRODUCT (feet) | PRODUCT THICKNESS (feet) | CORRECTED GROUNDWATER ELEVATION (feet) | |
|----------------------------|------------------|------------------|-----------------------|---------|---------------|--------|--------------------------------|-----------------------------|-------------------------|--------------------------|--|-------|
| | | | BENZENE | TOLUENE | ETHYL BENZENE | XYLENE | MIBE | | | | | |
| <i>Monitoring Well A-4</i> | | | | | | | | | | | | |
| Mar 06, 1991 | 34000 | NA | 11000 | 870 | 2500 | 2100 | NA | 39.46 | 13.22 | NP | 0.00 | 26.24 |
| Dec 24, 1991 | 1900 | NA | 29 | 1.9 | 25 | 29 | NA | 39.86* | 17.60 | NP | 0.00 | 22.26 |
| Mar 10, 1992 | 7400 | NA | 37 | <0.60 | 11 | 73 | NA | * | 14.76 | NP | 0.00 | 25.1 |
| Jun 9, 1992 | 4500 | NA | 3.2 | 1.5 | 37 | 16 | NA | * | 15.63 | NP | 0.00 | 24.23 |
| Sep 14, 1992 | 1300 | NA | <2.5 | 2.5 | 61 | 6.8 | NA | * | 16.83 | NP | 0.00 | 23.03 |
| Nov 12, 1992 | 610 | NA | 7.2 | 0.98 | 34 | 0.97 | NA | * | 16.97 | NP | 0.00 | 22.89 |
| Feb 11, 1993 | 740 | NA | 2.4 | <0.5 | 5 | 3.5 | NA | * | 13.43 | NP | 0.00 | 26.43 |
| Apr 14, 1993 | 380 | NA | <0.5 | <0.5 | 10 | 1.6 | NA | * | 13.06 | NP | 0.00 | 26.8 |
| Aug 12, 1993 | 1200 | NA | 0.93 | <0.5 | 0.91 | <0.5 | NA | * | 14.94 | NP | 0.00 | 24.92 |
| Oct 26, 1993 | 160 | NA | <0.5 | <0.5 | 1.0 | <0.5 | NA | * | 15.52 | NP | 0.00 | 24.34 |
| Feb 17, 1994 | 320 | NA | 0.5 | <0.5 | 28 | 0.9 | NA | 39.46 | 14.02 | NP | 0.00 | 25.44 |
| May 03, 1994 | 130 | NA | <0.5 | <0.5 | 1.1 | <0.5 | NA | * | 13.85 | NP | 0.00 | 25.61 |
| Aug 17, 1994 | 62 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | 39.53 | 14.95 | NP | 0.00 | 24.58 |
| Nov 18, 1994 | 98 | NA | 1.3 | 0.6 | <0.5 | <0.5 | NA | * | 14.46 | NP | 0.00 | 25.07 |
| Dec 6, 1995 | ND | NA | 0.6 | ND | ND | ND | NA | * | 13.82 | NP | 0.00 | 25.64 |
| Feb 14, 1996 | ND | ND | ND | 2.3 | ND | 0.71 | ND | * | 11.24 | NP | 0.00 | 28.22 |
| <i>Monitoring Well A-5</i> | | | | | | | | | | | | |
| Dec 24, 1991 | 1600 | NA | 21 | <0.30 | 32 | 52 | NA | <38.94* | 16.85 | NP | 0.00 | 22.09 |
| Mar 10, 1992 | 1000 | NA | 1.6 | <0.30 | 43 | 100 | NA | * | 13.83 | NP | 0.00 | 25.11 |
| Jun 9, 1992 | 680 | NA | 34 | <1.5 | 14 | 16 | NA | * | 14.91 | NP | 0.00 | 24.03 |
| Sep 14, 1992 | 770 | NA | 12 | <0.3 | 51 | 65 | NA | * | 16.14 | NP | 0.00 | 22.8 |
| Nov 12, 1992 | 520 | NA | 3 | <2.5 | 29 | 36 | NA | * | 16.35 | NP | 0.00 | 22.59 |
| Feb 11, 1993 | 150 | NA | 1.6 | 0.96 | 5.1 | 1.5 | NA | * | 13.21 | NP | 0.00 | 25.73 |
| Apr 14, 1993 | 190 | NA | 5.4 | <0.5 | 1.5 | 0.97 | NA | * | 12.97 | NP | 0.00 | 25.97 |
| Aug 12, 1993 | 230 | NA | 1.7 | <0.5 | 5.3 | 0.94 | NA | * | 14.12 | NP | 0.00 | 24.82 |
| Oct 26, 1993 | 190 | NA | 2.8 | <0.5 | 5.5 | 2.0 | NA | * | 14.72 | NP | 0.00 | 24.22 |
| Feb 17, 1994 | 340 | NA | <0.5 | <0.5 | 13 | 2.9 | NA | 38.47 | 13.20 | NP | 0.00 | 25.27 |
| May 03, 1994 | 170 | NA | 1.4 | <0.5 | 4.0 | 1.9 | NA | * | 13.08 | NP | 0.00 | 25.39 |
| Aug 17, 1994 | 270 | NA | 0.6 | <0.5 | 7.3 | 1.1 | NA | 38.54 | 14.18 | NP | 0.00 | 24.36 |
| Nov 18, 1994 | 338 | NA | <0.5 | <0.5 | 4.6 | <0.5 | NA | * | 13.73 | NP | 0.00 | 24.81 |
| Sep 26, 1995 | ND | NA | 0.63 | 1.1 | ND | 1.2 | NA | 38.47 | 12.44 | NP | 0.00 | 26.03 |
| Dec 6, 1995 | ND | NA | ND | ND | ND | ND | NA | * | 12.92 | NP | 0.00 | 25.55 |
| Feb 14, 1996 | ND | ND | ND | 2.0 | ND | 1.1 | ND | * | 10.76 | NP | 0.00 | 27.71 |
| <i>Monitoring Well A-6</i> | | | | | | | | | | | | |
| Dec 24, 1991 | <30 | NA | <0.3 | <0.3 | <0.3 | <0.3 | NA | 39.07* | 16.88 | NP | 0.00 | 22.19 |
| Mar 10, 1992 | <30 | NA | <0.3 | <0.3 | <0.3 | <0.3 | NA | * | 13.73 | NP | 0.00 | 25.34 |
| Jun 9, 1992 | <30 | NA | <0.3 | <0.3 | <0.3 | <0.3 | NA | * | 14.95 | NP | 0.00 | 24.12 |
| Sep 14, 1992 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 16.2 | NP | 0.00 | 22.87 |
| Nov 12, 1992 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 16.35 | NP | 0.00 | 22.72 |
| Feb 11, 1993 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 13.04 | NP | 0.00 | 26.03 |
| Apr 14, 1993 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 12.23 | NP | 0.00 | 26.84 |
| Aug 12, 1993 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 14.18 | NP | 0.00 | 24.89 |
| Oct 26, 1993 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 14.85 | NP | 0.00 | 24.22 |
| Feb 17, 1994 | NS | NA | NS | NS | NS | NS | NA | * | NM | NP | 0.00 | NM |
| May 03, 1994 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 13.66 | NP | 0.00 | 25.41 |
| Aug 17, 1994 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | 38.78 | 14.34 | NP | 0.00 | 24.44 |
| Nov 18, 1994 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 13.76 | NP | 0.00 | 25.02 |
| Sep 26, 1995 | ND | NA | ND | ND | ND | ND | NA | 38.78 | 12.56 | NP | 0.00 | 25.26 |
| Dec 6, 1995 | ND | NA | ND | ND | ND | ND | NA | * | 13.18 | NP | 0.00 | 25.60 |
| Feb 14, 1996 | ND | ND | ND | 2.0 | ND | ND | ND | * | 12.46 | NP | 0.00 | 26.32 |

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #052**

| DATE SAMPLED | TPH _g | TPH _d | ANALYTICAL PARAMETERS | | | | | TOP OF CASING ELEVATION (feet) | DEPTH TO GROUNDWATER (feet) | DEPTH TO PRODUCT (feet) | PRODUCT THICKNESS (feet) | CORRECTED GROUNDWATER ELEVATION (feet) |
|-----------------------------|------------------|------------------|-----------------------|---------|---------------|--------|------|--------------------------------|-----------------------------|-------------------------|--------------------------|--|
| | | | BENZENE | TOLUENE | ETHYL-BENZENE | XYLENE | MIBK | | | | | |
| <i>Monitoring Well A-7</i> | | | | | | | | | | | | |
| Dec 24, 1991 | 10000 | NA | 88 | 16 | 170 | 610 | NA | 39.95* | 18.11 | NP | 0.00 | 21.84 |
| Mar 10, 1992 | 320 | NA | 9.3 | 0.54 | 8.8 | 34 | NA | * | 15.30 | NP | 0.00 | 24.65 |
| Jun 9, 1992 | 340 | NA | 11 | 1.1 | 8.9 | 26 | NA | * | 16.12 | NP | 0.00 | 23.83 |
| Sep 14, 1992 | 510 | NA | 12 | <2.0 | 30 | 51 | NA | * | 17.35 | NP | 0.00 | 22.60 |
| Nov 12, 1992 | 760 | NA | 17 | 0.83 | 50 | 73 | NA | * | 17.47 | NP | 0.00 | 22.48 |
| Feb 11, 1993 | 260 | NA | 20 | 1 | 11 | 21 | NA | * | 13.80 | NP | 0.00 | 26.15 |
| Apr 14, 1993 | 1300 | NA | 89 | 2.1 | 48 | 87 | NA | * | 13.60 | NP | 0.00 | 26.35 |
| Aug 12, 1993 | 360 | NA | 9 | <0.50 | 13 | 9.0 | NA | * | 15.54 | NP | 0.00 | 24.41 |
| Oct 26, 1993 | 99 | NA | 1.7 | <0.50 | 4.0 | 3.0 | NA | * | 16.28 | NP | 0.00 | 23.67 |
| Feb 17, 1994 | 1300 | NA | 38 | <1 | 35 | 25 | NA | 39.38 | 14.44 | NP | 0.00 | 24.94 |
| May 03, 1994 | 330 | NA | 8.1 | <0.5 | 7.8 | 3.7 | NA | * | 14.34 | NP | 0.00 | 25.04 |
| Aug 17, 1994 | 350 | NA | 2.2 | <0.5 | 9.6 | 3.6 | NA | 39.45 | 15.40 | NP | 0.00 | 24.05 |
| Nov 18, 1994 | 412 | NA | 1.3 | <0.5 | 6.2 | 2.0 | NA | * | 14.95 | NP | 0.00 | 24.50 |
| Sep 26, 1995 | ND | NA | ND | ND | ND | ND | NA | 39.38 | 13.92 | NP | 0.00 | 25.46 |
| Dec 6, 1995 | ND | NA | ND | ND | ND | ND | NA | * | 14.42 | NP | 0.00 | 24.96 |
| Feb 14, 1996 | ND | ND | ND | 1.1 | ND | 0.59 | ND | * | 12.38 | NP | 0.00 | 27.00 |
| <i>Monitoring Well A-8</i> | | | | | | | | | | | | |
| Sep 14, 1992 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | ND | 37.23* | 14.19 | NP | 0.00 | 23.04 |
| Nov 12, 1992 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | ND | * | 14.35 | NP | 0.00 | 22.88 |
| Feb 11, 1993 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | ND | * | 11.25 | NP | 0.00 | 25.98 |
| Apr 14, 1993 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | ND | * | 12.33 | NP | 0.00 | 24.90 |
| Aug 12, 1993 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | ND | * | 12.41 | NP | 0.00 | 24.82 |
| Oct 26, 1993 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | ND | * | 13.02 | NP | 0.00 | 24.21 |
| Feb 17, 1994 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | ND | 36.76 | 11.47 | NP | 0.00 | 25.29 |
| May 03, 1994 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | ND | * | 11.35 | NP | 0.00 | 25.41 |
| Aug 17, 1994 | <50 | NA | <0.5 | 1.7 | <0.5 | 1.4 | ND | 36.84 | 12.34 | NP | 0.00 | 24.50 |
| Nov 18, 1994 | <50 | NA | 1.0 | <0.5 | <0.5 | <0.5 | ND | * | 11.9 | NP | 0.00 | 24.94 |
| Sep 26, 1995 | ND | NA | ND | ND | ND | ND | NA | 36.76 | 10.94 | NP | 0.00 | 25.82 |
| Dec 6, 1995 | ND | NA | ND | ND | ND | ND | NA | * | 11.42 | NP | 0.00 | 25.34 |
| Feb 14, 1996 | ND | ND | ND | 0.48 | ND | ND | ND | * | 8.80 | NP | 0.00 | 27.96 |
| <i>Monitoring Well A-9</i> | | | | | | | | | | | | |
| Sep 14, 1992 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | 38.71* | 16.12 | NP | 0.00 | 22.59 |
| Nov 12, 1992 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 16.29 | NP | 0.00 | 22.42 |
| Feb 11, 1993 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 12.31 | NP | 0.00 | 26.40 |
| Apr 14, 1993 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 12.01 | NP | 0.00 | 26.70 |
| Aug 12, 1993 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 13.90 | NP | 0.00 | 24.81 |
| Oct 26, 1993 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 14.86 | NP | 0.00 | 23.85 |
| Feb 17, 1994 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | 38.19 | 12.99 | NP | 0.00 | 25.20 |
| May 03, 1994 | NS | | | | | | | | NM | | | NM |
| Aug 17, 1994 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | 38.24 | 14.03 | NP | 0.00 | 24.21 |
| Nov 18, 1994 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 13.44 | NP | 0.00 | 24.80 |
| Sep 26, 1995 | ND | NA | <0.5 | ND | ND | ND | NA | 38.19 | 12.43 | NP | 0.00 | 25.76 |
| Dec 6, 1995 | ND | NA | <0.5 | ND | ND | ND | NA | * | 13.14 | NP | 0.00 | 25.05 |
| Feb 14, 1996 | ND | ND | ND | 1.8 | 0.49 | 0.82 | ND | * | 9.05 | NP | 0.00 | 29.14 |
| <i>Monitoring Well A-10</i> | | | | | | | | | | | | |
| Dec 07, 1992 | 660 | NA | 30 | <2.5 | <2.5 | <2.5 | NA | 38.94* | 16.81 | NP | 0.00 | 22.13 |
| Feb 11, 1993 | 210 | NA | <0.5 | 0.97 | <0.5 | <0.5 | NA | * | 13.15 | NP | 0.00 | 25.79 |
| Apr 14, 1993 | 770 | NA | <0.5 | 3.0 | 0.76 | 1.9 | NA | * | 12.93 | NP | 0.00 | 26.01 |
| Aug 12, 1993 | 390 | NA | <0.5 | <0.5 | <0.5 | 0.84 | NA | * | 14.87 | NP | 0.00 | 24.07 |
| Oct 26, 1993 | 290 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 15.65 | NP | 0.00 | 23.29 |
| Feb 17, 1994 | 52 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | 38.66 | 14.16 | NP | 0.00 | 24.50 |
| May 03, 1994 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 14.00 | NP | 0.00 | 24.66 |
| Aug 17, 1994 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | 38.72 | 15.08 | NP | 0.00 | 23.64 |
| Nov 18, 1994 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | * | 14.68 | NP | 0.00 | 24.04 |
| Sep 26, 1995 | ND | NA | ND | ND | ND | ND | NA | 38.66 | 13.58 | NP | 0.00 | 25.08 |
| Dec 6, 1995 | ND | NA | ND | ND | ND | ND | NA | * | 14.24 | NP | 0.00 | 24.42 |
| Feb 14, 1996 | ND | ND | ND | ND | ND | ND | ND | * | 6.70 | NP | 0.00 | 31.96 |

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #052**

| DATE SAMPLED | TPH _g | TPH _l | ANALYTICAL PARAMETERS | | | | | TOP OF CASING ELEVATION (feet) | DEPTH TO GROUNDWATER (feet) | DEPTH TO PRODUCT (feet) | PRODUCT THICKNESS (feet) | CORRECTED GROUNDWATER ELEVATION (feet) |
|-----------------------------|------------------|------------------|-----------------------|---------|---------------|--------|------|--------------------------------|-----------------------------|-------------------------|--------------------------|--|
| | | | BENZENE | TOLUENE | ETHYL BENZENE | XYLENE | MTBE | | | | | |
| <i>Monitoring Well AR-1</i> | | | | | | | | | | | | |
| Sep 14, 1992 | 820 | NA | 67 | <1.0 | 8.8 | 6.7 | NA | 38.31* | 13.21 | NP | 0.00 | 22.90 |
| Nov 12, 1992 | 140 | NA | 66 | <0.50 | 4.3 | 3.7 | NA | * | 13.36 | NP | 0.00 | 22.75 |
| Feb 11, 1993 | 360 | NA | 190 | <2.5 | 8.6 | <2.5 | NA | * | 12.81 | NP | 0.00 | 25.30 |
| Apr 14, 1993 | 420 | NA | 240 | 5.2 | 30 | 8.7 | NA | * | 11.77 | NP | 0.00 | 26.34 |
| Aug 12, 1993 | 370 | NA | 150 | <2 | 11 | <2 | NA | * | 13.55 | NP | 0.00 | 24.56 |
| Oct 26, 1993 | 240 | NA | 98 | <2 | 11 | <2 | NA | * | 13.98 | NP | 0.00 | 24.13 |
| Feb 17, 1994 | 4700 | NA | 1100 | <10 | 140 | 26 | NA | 37.46 | 12.15 | NP | 0.00 | 25.31 |
| May 03, 1994 | 620 | NA | 130 | 1.3 | 48 | 4.3 | NA | | 12.03 | NP | 0.00 | 25.43 |
| Aug 17, 1994 | 3600 | NA | 630 | <5** | 200 | 12 | NA | 37.33 | 12.92 | NP | 0.00 | 24.41 |
| Nov 18, 1994 | 12100 | NA | 720 | 6.1 | 337 | 15 | NA | | 12.41 | NP | 0.00 | 24.92 |
| Sep 26, 1995 | ND | NA | 8.3 | ND | ND | ND | NA | 37.46 | 11.34 | NP | 0.00 | 26.12 |
| Dec 6, 1995 | 120 | NA | 20 | ND | 20 | 0.6 | NA | | 11.87 | NP | 0.00 | 25.59 |
| Feb 14, 1996 | ND | ND | ND | 0.99 | ND | 0.52 | ND | | 10.48 | NP | 0.00 | 26.98 |
| <i>Monitoring Well AR-2</i> | | | | | | | | | | | | |
| Mar 30, 1993 | 390 | NA | 4.1 | 1.6 | <0.5 | 47 | NA | 38.39* | 11.53 | NP | 0.00 | 26.86 |
| Apr 14, 1993 | 310 | NA | 18 | <0.5 | 0.67 | 36 | NA | * | 11.87 | NP | 0.00 | 26.52 |
| Aug 12, 1993 | 130 | NA | 16 | <0.5 | 1.7 | 0.57 | NA | * | 13.59 | NP | 0.00 | 24.80 |
| Oct 26, 1993 | 110 | NA | 15 | <0.5 | 1.8 | <0.5 | NA | * | 14.25 | NP | 0.00 | 24.14 |
| Feb 17, 1994 | 130 | NA | 2.9 | <0.5 | 1.5 | 0.8 | NA | 37.98 | 12.76 | NP | 0.00 | 25.22 |
| May 03, 1994 | <50 | NA | <0.5 | <0.5 | <0.5 | <0.5 | NA | | 12.60 | NP | 0.00 | 25.38 |
| Aug 17, 1994 | 3000 | NA | 140 | <5** | 220 | 91 | NA | 38.18 | 13.86 | NP | 0.00 | 24.32 |
| Nov 18, 1994 | 623 | NA | 10.5 | <0.5 | 27.9 | 8.0 | NA | | 13.33 | NP | 0.00 | 24.85 |
| Sep 26, 1995 | ND | NA | ND | ND | ND | ND | NA | 37.98 | 11.67 | NP | 0.00 | 26.31 |
| Dec 6, 1995 | 320 | NA | 12 | ND | 23 | 2.1 | NA | | 12.32 | NP | 0.00 | 25.66 |
| Feb 14, 1996 | ND | ND | ND | 0.53 | ND | 0.76 | ND | | 10.74 | NP | 0.00 | 27.24 |
| <i>Monitoring Well MW-1</i> | | | | | | | | | | | | |
| Aug 08, 1986 | 7040 | NA | 132 | 8.7 | 439 | 230 | NA | 38.36* | 11.25 | NP | 0.00 | 27.11 |
| Dec 24, 1991 | 2200 | NA | 190 | 8.5 | 6.9 | 2.6 | NA | * | 16.12 | NP | 0.00 | 22.24 |
| Mar 10, 1992 | 2800 | NA | 270 | 29 | 56 | 39 | NA | * | 13.34 | NP | 0.00 | 25.02 |
| Jun 9, 1992 | 2900 | NA | 960 | 27 | 99 | 63 | NA | * | 14.12 | NP | 0.00 | 24.24 |
| Sep 14, 1992 | 2600 | NA | 450 | <5.0 | 45 | 21 | NA | * | 15.34 | NP | 0.00 | 23.02 |
| Nov 12, 1992 | 1600 | NA | 310 | 7.2 | 22 | 8.9 | NA | * | 15.46 | NP | 0.00 | 22.90 |
| Feb 11, 1993 | 4000 | NA | 510 | 47 | 200 | 91 | NA | * | 11.95 | NP | 0.00 | 26.41 |
| Apr 14, 1993 | 1700 | NA | 260 | 20 | 100 | 70 | NA | * | 11.65 | NP | 0.00 | 26.71 |
| Aug 12, 1993 | 830 | NA | 60 | 3.8 | 39 | 3.6 | NA | * | 12.93 | NP | 0.00 | 25.43 |
| Oct 26, 1993 | 8800 | NA | 140 | <10 | 41 | <10 | NA | * | 14.13 | NP | 0.00 | 24.23 |
| Feb 17, 1994 | 1200 | NA | 130 | 12 | 54 | 58 | NA | 37.26 | 11.86 | NP | 0.00 | 25.40 |
| May 03, 1994 | NA | NA | NA | NA | NA | NA | NA | | 11.58 | NP | 0.00 | 25.68 |
| Aug 17, 1994 | 3900 | NA | 86 | 5.1 | 78 | 9.4 | NA | 37.33 | 12.78 | NP | 0.00 | 24.55 |
| Nov 18, 1994 | 6350 | NA | 112 | 8.4 | 107 | 35 | NA | | 12.31 | NP | 0.00 | 25.02 |
| Sep 26, 1995 | ND | NA | ND | ND | ND | ND | NA | 37.26 | 11.26 | NP | 0.00 | 26.00 |
| Dec 6, 1995 | 4100 | NA | 0.86 | 0.46 | 0.38 | 0.92 | NA | | 12.16 | NP | 0.00 | 25.10 |
| Feb 14, 1996 | ND | ND | ND | 0.56 | ND | 0.82 | ND | | 8.53 | NP | 0.00 | 28.73 |

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #052

| DATE SAMPLED | TPH _g | TPH _d | ANALYTICAL PARAMETERS | | | | | TOP OF CASING ELEVATION (feet) | DEPTH TO GROUNDWATER (feet) | DEPTH TO PRODUCT (feet) | PRODUCT THICKNESS (feet) | CORRECTED GROUNDWATER ELEVATION (feet) |
|-----------------------------|------------------|------------------|-----------------------|---------|---------------|--------|------|--------------------------------|-----------------------------|-------------------------|--------------------------|--|
| | | | BENZENE | TOLUENE | ETHYL-BENZENE | XYLENE | MTBE | | | | | |
| <i>Monitoring Well MW-2</i> | | | | | | | | | | | | |
| Aug 08, 1986 | 1910 | NA | 20.1 | 2.8 | 1.8 | NA | NA | 38.58* | 11.62 | NP | 0.00 | 26.96 |
| Dec 24, 1991 | 23000 | NA | 1500 | 1100 | 480 | 1400 | NA | * | 16.50 | NP | 0.00 | 22.08 |
| Mar 10, 1992 | 210000 | NA | 44000 | 3900 | 1700 | 5800 | NA | * | 13.50 | NP | 0.00 | 23.08 |
| Jun 09, 1992 | 33000 | NA | 2300 | 370 | 780 | 2600 | NA | * | 14.52 | NP | 0.00 | 24.06 |
| Sep 14, 1992 | 16000 | NA | 3700 | 100 | 470 | 1000 | NA | * | 15.78 | NP | 0.00 | 22.80 |
| Nov 12, 1992 | 16000 | NA | 3800 | 86 | 470 | 910 | NA | * | 15.98 | NP | 0.00 | 22.60 |
| Feb 11, 1993 | 27000 | NA | 3500 | 720 | 1600 | 3800 | NA | * | 12.27 | NP | 0.00 | 26.31 |
| Apr 14, 1993 | 27000 | NA | 3500 | 220 | 2200 | 5100 | NA | * | 12.01 | NP | 0.00 | 26.57 |
| Aug 12, 1993 | 16000 | NA | 1600 | 27 | 1300 | 1200 | NA | * | 13.81 | NP | 0.00 | 24.77 |
| Oct 26, 1993 | 12000 | NA | 1200 | <25 | 510 | 330 | NA | * | 14.53 | NP | 0.00 | 24.05 |
| Feb 17, 1994 | 15000 | NA | 1800 | 21 | 850 | 540 | NA | * | 12.81 | NP | 0.00 | 25.18 |
| May 03, 1994 | NA | NA | NA | NA | NA | NA | NA | * | 12.63 | NP | 0.00 | 25.36 |
| Aug 17, 1994 | 14000 | NA | 850 | 13 | 640 | 270 | NA | 37.99 | 13.69 | NP | 0.00 | 24.37 |
| Aug 17, 1994 (| 14000 | NA | 860 | 14 | 650 | 280 | NA | * | | NP | 0.00 | |
| Nov 18, 1994 | 14900 | NA | 640 | 3.4 | 532 | 156 | NA | 38.06 | 13.18 | NP | 0.00 | 27.88 |
| Nov 18, 1994 (| 14500 | NA | 680 | 6.1 | 528 | 155 | NA | * | | NP | 0.00 | |
| Sep 26, 1995 | 5100 | NA | 40 | 25 | 2.3 | 18 | NA | 37.99 | 12.23 | NP | 0.00 | 25.76 |
| Dec 6, 1995 | 810 | NA | 34 | 23 | 11 | 11 | NA | | 12.82 | NP | 0.00 | 25.17 |
| Feb 14, 1996 | 420 | 5500 | 0.75 | .54 | 0.64 | .53 | ND | | 10.87 | NP | 0.00 | 27.12 |
| <i>Monitoring Well MW-3</i> | | | | | | | | | | | | |
| Aug 08, 1986 | 7450 | NA | 510 | 549 | 409 | 1380 | NA | 37.77* | 10.61 | NP | 0.00 | 27.16 |
| Dec 24, 1991 | 6800 | NA | 450 | 10 | 610 | 45 | NA | * | 15.60 | NP | 0.00 | 22.17 |
| Mar 10, 1992 | 11000 | NA | 2500 | 75 | 400 | 560 | NA | * | 12.90 | NP | 0.00 | 24.87 |
| Jun 9, 1992 | 16000 | NA | 2000 | 69 | 1300 | 2600 | NA | * | 13.60 | NP | 0.00 | 24.17 |
| Sep 14, 1992 | 14000 | NA | 630 | <50 | 1500 | 2400 | NA | * | 14.78 | NP | 0.00 | 22.99 |
| Nov 12, 1992 | 7400 | NA | 400 | <25 | 860 | 330 | NA | * | 14.92 | NP | 0.00 | 22.85 |
| Feb 11, 1993 | 8600 | NA | 580 | <20 | 710 | 300 | NA | * | 11.65 | NP | 0.00 | 26.12 |
| Apr 14, 1993 | 6900 | NA | 300 | 8.8 | 580 | 99 | NA | * | 11.16 | NP | 0.00 | 26.61 |
| Aug 12, 1993 | 3400 | NA | 56 | <5 | 190 | <5 | NA | * | 12.82 | NP | 0.00 | 24.95 |
| Oct 26, 1993 | 2900 | NA | 42 | <10 | 76 | <10 | NA | * | 13.60 | NP | 0.00 | 24.17 |
| Feb 17, 1994 | 3100 | NA | 160 | <10 | 36 | 8.6 | NA | 36.80 | 11.53 | NP | 0.00 | 25.27 |
| May 03, 1994 | 2300 | NA | 44 | <2.5 | 8.0 | <2.5 | NA | | 11.36 | NP | 0.00 | 25.44 |
| Aug 17, 1994 | 1900 | NA | 7.0 | <9.5* | 4.4 | <5** | NA | 36.87 | 12.38 | NP | 0.00 | 24.49 |
| Nov 18, 1994 | 909 | NA | 1.1 | <0.5 | 0.9 | 4.0 | NA | | 11.93 | NP | 0.00 | 24.94 |
| Sep 26, 1995 | 410 | NA | 1.3 | 1.9 | 2.3 | 3.3 | NA | 36.80 | 10.96 | NP | 0.00 | 25.84 |
| Dec 6, 1995 | ND | NA | 0.9 | 4.6 | 3.0 | 4.3 | NA | | 11.56 | NP | 0.00 | 25.24 |
| Feb 14, 1996 | 99 | 1500 | ND | 0.49 | 0.46 | ND | ND | | 7.47 | NP | 0.00 | 29.33 |

Benzene, toluene, ethylbenzene, and xylene analyzed by EPA method 8020 and concentrations reported in ug/L.

Total petroleum hydrocarbons analyzed by EPA method 8015 for Gasoline (TPH_g) and Diesel (TPH_d) and concentrations reported in ug/L.

Methyl Tert Butyl Ether (MTBE) analyzed by EPA method 8020 modified and concentrations reported in ug/L.

*-Measurement taken from top of well box

**-Minimum reporting limit raised due to high analyte concentration requiring sample dilution.

(D)=Duplicate sample

NA=not analyzed

ND=not detected

*=No data

NM=Not monitored

NP = No free liquid product detected.

APPENDIX A



PROJECT STATUS REPORT
 THRIFTY OIL CO. S.S. #052
 20200 HESPERIAN BLVD.
 HAYWARD, CALIF. 94541
 DATE: 02.14.1996

OBSERVATION WELLS

| NO. | DTW | DTP | PT | DTB | DIA. | ODORS | | | F/P | |
|------|-------|-----|----|-------|------|-------|----|---|-----|----|
| | | | | | | YES | NO | S | YES | NO |
| A-4 | 11.24 | | | 34.40 | 3" | | X | | | X |
| A-5 | 10.76 | | | 29.20 | 3" | | X | | | X |
| A-6 | 12.46 | | | 34.25 | 3" | | X | | | X |
| A-7 | 12.38 | | | 34.85 | 3" | | X | | | X |
| A-8 | 8.80 | | | 33.60 | 2" | | X | | | X |
| A-9 | 9.05 | | | 33.50 | 2" | | X | | | X |
| A-10 | 6.70 | | | 34.15 | 2" | | X | | | X |
| AR-1 | 10.48 | | | 34.00 | 6" | | X | | | X |
| AR-2 | 10.74 | | | 34.60 | 6" | | X | | | X |
| MW-1 | 8.53 | | | 28.00 | 2" | | X | | | X |
| MW-2 | 10.87 | | | 26.40 | 2" | | X | | | X |
| MW-3 | 7.47 | | | 27.40 | 2" | | X | | | X |
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EXPLANATION

| | | |
|---|-----------------------|-------------------------------------|
| DTW - DEPTH TO WATER FROM SURFACE | S - SLIGHT | DTP - DEPTH TO PRODUCT FROM SURFACE |
| PT - PRODUCT THICKNESS | DTB - DEPTH TO BOTTOM | DIA. - DIAMETER |
| MEASUREMENTS IN FEET | | |
| REMARKS: | | |
| FREE PRODUCT REMOVED: APPROX. — GALLONS | | |
| WATER REMOVED: APPROX. 492 GALLONS | | |
| DATA RECORDED BY: <i>Carla Prater</i> | | |
| INPUT BY: | | |

13415 Carmenita Road/P.O. Box 2129, Santa Fe Springs, CA 90670

APPENDIX B



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS# 052
Sample Matrix: Water
Method: EPA 8015M (Gasoline)

AA Project No.: A135052-3
Date Received: 02/16/96
Date Reported: 02/27/96
Units: ug/L

| AA I.D. No. | Client I.D. No. | Date Sampled | Date Analyzed | Results | MRL |
|-------------|-----------------|--------------|---------------|---------|-----|
| 43251 | A-4 | 02/14/96 | 02/20/96 | <50 | 50 |
| 43252 | A-5 | 02/14/96 | 02/20/96 | <50 | 50 |
| 43253 | A-6 | 02/14/96 | 02/20/96 | <50 | 50 |
| 43254 | A-7 | 02/14/96 | 02/20/96 | <50 | 50 |
| 43255 | A-8 | 02/14/96 | 02/20/96 | <50 | 50 |
| 43256 | A-9 | 02/14/96 | 02/20/96 | <50 | 50 |
| 43257 | A-10 | 02/14/96 | 02/20/96 | <50 | 50 |
| 43258 | AR-1 | 02/14/96 | 02/20/96 | <50 | 50 |
| 43259 | AR-2 | 02/14/96 | 02/20/96 | <50 | 50 |
| 43260 | MW-1 | 02/15/96 | 02/20/96 | <50 | 50 |
| 43261 | MW-2 | 02/15/96 | 02/20/96 | 420 | 50 |
| 43262 | MW-3 | 02/15/96 | 02/20/96 | 99 | 50 |
| 43263 | Trip Blank | 02/15/96 | 02/20/96 | <50 | 50 |

MRL: Method Reporting Limit
<: Not detected at or above the value of the concentration indicated.



George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Page 1

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS# 052
Sample Matrix: Water
Method: EPA 8015M (Diesel)

AA Project No.: A135052-3
Date Received: 02/16/96
Date Reported: 03/22/96
Units: mg/L

| AA I.D. No. | Client I.D. No. | Date Sampled | Date Extracted | Date Analyzed | Results | MRL |
|-------------|-----------------|--------------|----------------|---------------|---------|-----|
| 43251 | A-4 | 02/14/96 | 02/20/96 | 02/20/96 | <1 | 1 |
| 43252 | A-5 | 02/14/96 | 02/20/96 | 02/20/96 | <1 | 1 |
| 43253 | A-6 | 02/14/96 | 02/20/96 | 02/20/96 | <1 | 1 |
| 43254 | A-7 | 02/14/96 | 02/20/96 | 02/20/96 | <1 | 1 |
| 43255 | A-8 | 02/14/96 | 02/20/96 | 02/20/96 | <1 | 1 |
| 43256 | A-9 | 02/14/96 | 02/20/96 | 02/20/96 | <1 | 1 |
| 43257 | A-10 | 02/14/96 | 02/20/96 | 02/20/96 | <1 | 1 |
| 43258 | AR-1 | 02/14/96 | 02/20/96 | 02/20/96 | <1 | 1 |
| 43259 | AR-2 | 02/14/96 | 02/20/96 | 02/20/96 | <1 | 1 |
| 43260 | MW-1 | 02/15/96 | 02/20/96 | 02/20/96 | <1 | 1 |
| 43261 | MW-2 | 02/15/96 | 02/20/96 | 02/20/96 | 5.5 | 1 |
| 43262 | MW-3 | 02/15/96 | 02/20/96 | 02/20/96 | 1.5 | 1 |
| 43263 | Trip Blank | 02/15/96 | 02/20/96 | 02/20/96 | <1 | 1 |

MRL: Method Reporting Limit

<: Not detected at or above the value of the concentration indicated.

NOTES:

The above samples were analyzed by EPA 5030 (purge and trap)/GC-FID. The results were obtained by quantitation against a diesel standard that was analyzed using the same procedure.

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS# 052
Sample Matrix: Water
Method: MTBE

AA Project No.: A135052-3
Date Received: 02/16/96
Date Reported: 03/22/96
Units: ug/L

| AA I.D. No. | Client I.D. No. | Date Sampled | Date Analyzed | Results | MRL |
|-------------|-----------------|--------------|---------------|---------|-----|
| 43251 | A-4 | 02/14/96 | 02/20/96 | <5 | 5 |
| 43252 | A-5 | 02/14/96 | 02/20/96 | <5 | 5 |
| 43253 | A-6 | 02/14/96 | 02/20/96 | <5 | 5 |
| 43254 | A-7 | 02/14/96 | 02/20/96 | <5 | 5 |
| 43255 | A-8 | 02/14/96 | 02/20/96 | <5 | 5 |
| 43256 | A-9 | 02/14/96 | 02/20/96 | <5 | 5 |
| 43257 | A-10 | 02/14/96 | 02/20/96 | <5 | 5 |
| 43258 | AR-1 | 02/14/96 | 02/20/96 | <5 | 5 |
| 43259 | AR-2 | 02/14/96 | 02/20/96 | <5 | 5 |
| 43260 | MW-1 | 02/15/96 | 02/20/96 | <5 | 5 |
| 43261 | MW-2 | 02/15/96 | 02/20/96 | 18 | 5 |
| 43262 | MW-3 | 02/15/96 | 02/20/96 | <5 | 5 |
| 43263 | Trip Blank | 02/15/96 | 02/20/96 | <5 | 5 |

MRL: Method Reporting Limit

<: Not detected at or above the value of the concentration indicated.

George Havalias
Laboratory Director



LABORATORY QA/QC REPORT

Page 1

Client: Thrifty Oil Company
Project Name: SS# 052
Method: EPA 8015M (Gasoline)
Sample ID: Matrix Spike
Concentration: 500 ug/L

AA ID No.: 43174
Project No.: N/A
AA Project No.: A135052-3
Date Analyzed: 02/20/96
Date Reported: 02/27/96

| Compounds | Result (ug/L) | Spike Recovery (%) | Dup. Result (ug/L) | Spike/Dup. Recovery (%) | RPD (%) | Accept.Rec. Range (%) |
|-------------------------|---------------|--------------------|--------------------|-------------------------|---------|-----------------------|
| Gasoline Range Organics | 470 | 94 | 460 | 92 | 2 | 59 - 149 |

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS# 052
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135052-3
Date Received: 02/16/96
Date Reported: 02/27/96
Units: ug/L

| Date Sampled: | 02/14/96 | 02/14/96 | 02/14/96 | 02/14/96 | |
|--------------------------|-----------------|-----------------|-----------------|-----------------|------------|
| Date Analyzed: | 02/20/96 | 02/20/96 | 02/20/96 | 02/20/96 | |
| AA ID No.: | 43251 | 43252 | 43253 | 43254 | |
| Client ID No.: | A-4 | A-5 | A-6 | A-7 | MRL |
| <u>Compounds:</u> | | | | | |
| Benzene | <0.3 | <0.3 | <0.3 | <0.3 | 0.3 |
| Ethylbenzene | <0.3 | <0.3 | <0.3 | <0.3 | 0.3 |
| Toluene | 2.3 | 2.0 | 2.0 | 1.1 | 0.3 |
| Xylenes | 0.71 | 1.1 | <0.5 | 0.59 | 0.5 |

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS# 052
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135052-3
Date Received: 02/16/96
Date Reported: 02/27/96
Units: ug/L

| Date Sampled: | 02/14/96 | 02/14/96 | 02/14/96 | 02/14/96 | |
|--------------------------|-----------------|-----------------|-----------------|-----------------|------------|
| Date Analyzed: | 02/20/96 | 02/20/96 | 02/20/96 | 02/20/96 | |
| AA ID No.: | 43255 | 43256 | 43257 | 43258 | |
| Client ID No.: | A-8 | A-9 | A-10 | AR-1 | MRL |
| <u>Compounds:</u> | | | | | |
| Benzene | <0.3 | <0.3 | <0.3 | <0.3 | 0.3 |
| Ethylbenzene | <0.3 | 0.49 | <0.3 | <0.3 | 0.3 |
| Toluene | 0.48 | 1.8 | <0.3 | 0.99 | 0.3 |
| Xylenes | <0.5 | 0.82 | <0.5 | 0.52 | 0.5 |

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Page 3

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS# 052
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135052-3
Date Received: 02/16/96
Date Reported: 02/27/96
Units: ug/L

| Date Sampled: | 02/14/96 | 02/15/96 | 02/15/96 | 02/15/96 | |
|-------------------|----------|----------|----------|----------|-----|
| Date Analyzed: | 02/20/96 | 02/20/96 | 02/20/96 | 02/20/96 | |
| AA ID No.: | 43259 | 43260 | 43261 | 43262 | |
| Client ID No.: | AR-2 | MW-1 | MW-2 | MW-3 | MRL |
| Compounds: | | | | | |
| Benzene | <0.3 | <0.3 | 0.75 | <0.3 | 0.3 |
| Ethylbenzene | <0.3 | <0.3 | 0.64 | 0.46 | 0.3 |
| Toluene | 0.53 | 0.56 | 0.54 | 0.49 | 0.3 |
| Xylenes | 0.76 | 0.82 | 0.53 | <0.5 | 0.5 |

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS# 052
Sample Matrix: Water
Method: EPA 8020 (BTEX)

AA Project No.: A135052-3
Date Received: 02/16/96
Date Reported: 02/27/96
Units: ug/L

| | | |
|-----------------------|-------------------|------------|
| Date Sampled: | 02/15/96 | |
| Date Analyzed: | 02/20/96 | |
| AA ID No.: | 43263 | |
| Client ID No.: | Trip Blank | MRL |
| Compounds: | | |
| Benzene | <0.3 | 0.3 |
| Ethylbenzene | 0.34 | 0.3 |
| Toluene | <0.3 | 0.3 |
| Xylenes | 1.1 | 0.5 |

MRL: Method Reporting Limit

<: Not detected at or above the value of the concentration indicated.



George Havalias
Laboratory Director



LABORATORY QA/QC REPORT

Client: Thrifty Oil Company
Project Name: SS# 052
Method: EPA 8020 (BTEX)
Sample ID: Matrix Spike
Concentration: 20 ug/L

AA ID No.: 43174
Project No.: N/A
AA Project No.: A135052-3
Date Analyzed: 02/20/96
Date Reported: 02/27/96

| Compounds | Result (ug/L) | Spike Recovery (%) | Dup. Result (ug/L) | Spike/Dup. Recovery (%) | RPD (%) | Accept. Rec. Range (%) |
|--------------|---------------|--------------------|--------------------|-------------------------|---------|------------------------|
| Benzene | 17.432 | 87 | 18.034 | 90 | 3 | 65 - 135 |
| Ethylbenzene | 19.977 | 100 | 30.779 | 154 | 43 | 77 - 123 |
| Toluene | 20.646 | 103 | 21.472 | 107 | 4 | 66 - 134 |
| Xylenes | 20.604 | 103 | 21.516 | 108 | 5 | 73 - 127 |

George Havalias
Laboratory Director



AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

(818) 998-5547 (818) 998-5548 1-800-533-TEST 1-800-533-8378 FAX (818) 998-7258

DATE: 02-15-1996

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| AA Client <u>THRIFTY OIL COMPANY</u> | | | | | | Phone <u>(360) 923-9876/360</u> | | Sampler's Name <u>SERBAN P.</u> | | |
|--|--------------|----------|------|-------------|----------------------|-------------------------------------|------|--|--------|----------------------|
| Project Manager <u>CHRIS PANAITESCU</u> | | | | | | P.O. No. | | Sampler's Signature <u>[Signature]</u> | | |
| Project Name <u>Quarterly water sampling</u> | | | | | | Project No. | | Project Manager's Signature | | |
| Job Name and Address <u>SS # 052</u> <u>20200 HESPERIAN Blvd.</u> <u>HAYWARD, 95541.</u> | | | | | | ANALYSIS REQUIRED | | | | Test Requirements |
| | | | | | | Detection Limits | | | | |
| | | | | | | Test Name | | | | |
| | | | | | | TPH BTEX MTBE Diesel | | | | |
| AA ID.# | Client's ID. | Date | Time | Sample Type | Number of Containers | TPH | BTEX | MTBE | Diesel | |
| 413251 | A-4 | 02.14.96 | 8:20 | WATER | 2 | X | X | X | X | |
| 413252 | A-5 | 02.14.96 | 8:26 | WATER | 2 | X | X | X | X | |
| 413253 | A-6 | 02.14.96 | 8:30 | WATER | 2 | X | X | X | X | |
| 413254 | A-7 | 02.14.96 | 8:40 | WATER | 2 | X | X | X | X | |
| 413255 | A-8 | 02.14.96 | 8:47 | WATER | 2 | X | X | X | X | |
| 413256 | A-9 | 02.14.96 | 8:54 | WATER | 2 | X | X | X | X | |
| 413257 | A-10 | 02.14.96 | 9:00 | WATER | 2 | X | X | X | X | |
| 413258 | AR-1 | 02.14.96 | 9:10 | WATER | 2 | X | X | X | X | |
| 413259 | AR-2 | 02.14.96 | 9:15 | WATER | 2 | X | X | X | X | |
| 413260 | MW-1 | 02.15.96 | 9:23 | WATER | 2 | X | X | X | X | |
| 413261 | MW-2 | 02.15.96 | 9:28 | WATER | 2 | X | X | X | X | |
| 413262 | MW-3 | 02.15.96 | 9:35 | WATER | 2 | X | X | X | X | |
| 413263 | TRIP BLANK | 02.15.96 | 6:30 | WATER | 2 | X | X | X | X | |
| 26 | | | | | | | | | | |
| SAMPLE INTEGRITY-TO BE FILLED IN BY RECEIVING LAB | | | | | | Relinquished by: <u>[Signature]</u> | | Date | Time | Received by: |
| Samples Intact Yes _____ No _____ | | | | | | | | 02.15. | 17:00 | CALIFORNIA OVERNIGHT |
| Samples Properly Cooled Yes _____ No _____ | | | | | | Relinquished by: | | Date | Time | Received by: |
| Samples Accepted Yes _____ No _____ | | | | | | | | 2/16 | 12:00 | <u>[Signature]</u> |
| If Not Why: _____ | | | | | | Relinquished by: | | Date | Time | Received by: |
| AA Project No. <u>A135052-3</u> | | | | | | | | | | |