

2006
S-H

THRIFTY OIL CO.

October 24, 2001

O.20551

Ms. Susan Hugo
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay parkway, 2nd Floor
Alameda, CA 94502

OCT 30 2001

RE: **Former Thrifty Oil Co. Station #063**
ARCO Products Company Station 39542
6125 Telegraph Avenue
Oakland, CA 94609
3rd Quarter 2001, Status Report

Dear Ms. Hugo:

Presented herewith is the Third Quarter 2001, Status Report for former Thrifty Oil Co. Station #063 located at 6125 Telegraph Avenue, Oakland, California.

If you have any questions or comments, please contact the undersigned in this report or myself at (562) 921-3581.

Sincerely,



Chris Panaitescu
General Manager
Environmental Affairs

cc: ARCO Products Company
File



THRIFTY OIL CO.

October 24, 2001

Ms. Susan Hugo
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

RE: **Former Thrifty Oil Co. Station #063**
ARCO Products Company Station #9542
6125 Telegraph Avenue
Oakland, CA
3rd Quarter 2001, Status Report

Dear Ms. Hugo:

Presented herein is the Third Quarter 2001, Status Report prepared for former Thrifty Oil Co. (Thrifty) Station #063 located at 6125 Telegraph Avenue, Oakland, California (**Figure 1**). Presented in this report are the results of the site monitoring and remedial efforts in the Third Quarter 2001. Thrifty has retained the services of Earth Management Company (EMC) to conduct quarterly monitoring and sampling, and remedial system monitoring activities at this site.

Groundwater Monitoring

Depth to groundwater is measured in each monitoring well on a quarterly basis. In general, groundwater occurred beneath the station at depths ranging from 9.02 feet below surface grade (bsg) in monitoring wells MW-1 to 14.80 feet bsg in monitoring well MW-5 on July 16, 2001. A groundwater elevation contour map based on the July 16, 2001 data is presented in **Figure 2**. The groundwater flow is toward the west with a gradient of approximately 0.04 feet/foot.

Quarterly Groundwater Sampling

As part of the ongoing groundwater monitoring program, groundwater samples were obtained from monitoring wells MW-1, MW-4, MW-5, and MW-6 on July 16, 2001. Well MW-3 was sampled on July 9, 2001 as an influent stream into the groundwater remediation system. Groundwater samples were obtained by EMC and delivered in a chilled state following strict Chain-of-Custody procedures to a state-certified laboratory. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tert-butyl ether (MTBE) by EPA methods 8015M and 8021B. Samples with detectable MTBE were confirmed using EPA method 8260B. A summary of historical analytical sampling results are provided in **Table 1**. Copies of the EMC Field Status Reports are presented in **Appendix A**, and copies of the laboratory analytical reports are contained in **Appendix B**.

TPH-g, BTEX, and MTBE concentrations appear in **Table 1**, and **Appendix B**. TPH-g, benzene, and MTBE laboratory analytical results are plotted on **Figures 3, 4, and 5**, respectively. Laboratory results indicate the highest concentrations of TPH-g, benzene, and MTBE were in monitoring well MW-4, with concentrations



of 71,700 ug/L, 9,440 ug/L, and 389 ug/L, respectively. The isoconcentration maps did not incorporate data from the treatment system influent, even through the groundwater is pumped solely from well MW-3.

Remediation Status

Site remedial activities were initiated in April 1991. Presently, the remediation system consists of a Groundwater Treatment System with carbon connected to groundwater monitoring well MW-3. System operational data is included in **Table 2** and **Appendix C**. During this reporting period, the groundwater treatment system processed approximately 184,520 gallons of groundwater (from June 25 through September 24, 2001), and has treated approximately 1,297,139 gallons of groundwater since start up (through September 24, 2001). The system was shut down from July 19 through July 23, 2001 because of electrical problems. The system operated throughout the rest of the third quarter 2001.

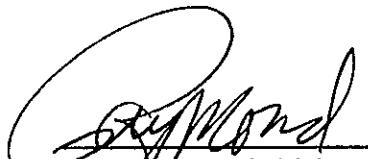
Inlet, intermediate 1, intermediate 2, intermediate 3, and Outlet water samples were collected on July 9, 2001. The samples collected by EMC were sent to a state certified laboratory for analysis. The samples were analyzed for TPH-g, BTEX, and MTBE by EPA methods 8015 and 8021B. All laboratory results for Outlet samples collected on July 9, 2001 for TPH-g, BTEX, and MTBE were below the laboratory detection limits. A copy of the laboratory analytical reports are included in **Appendix D**.


Other Activities

The groundwater monitoring wells, and the treatment unit, will be monitored and sampled for the next quarter. All site monitoring/sampling data generated during the next quarter will be reported in the Fourth Quarter 2001 monitoring report.

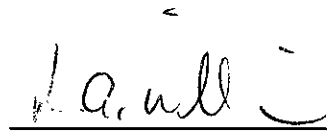
All interpretations expressed in this report are based solely upon the review of data collected by EMC, and Associated Laboratories.

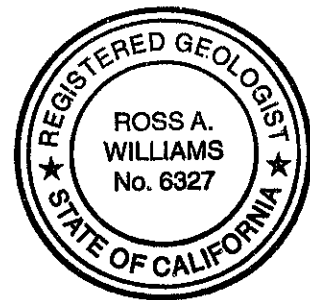
Written by:


Raymond C. Friedrichsen, REA II
Project Manager, MBA
Senior Hydrogeologist



Reviewed by:


Ross A. Williams
Registered Geologist #6327



FIGURES

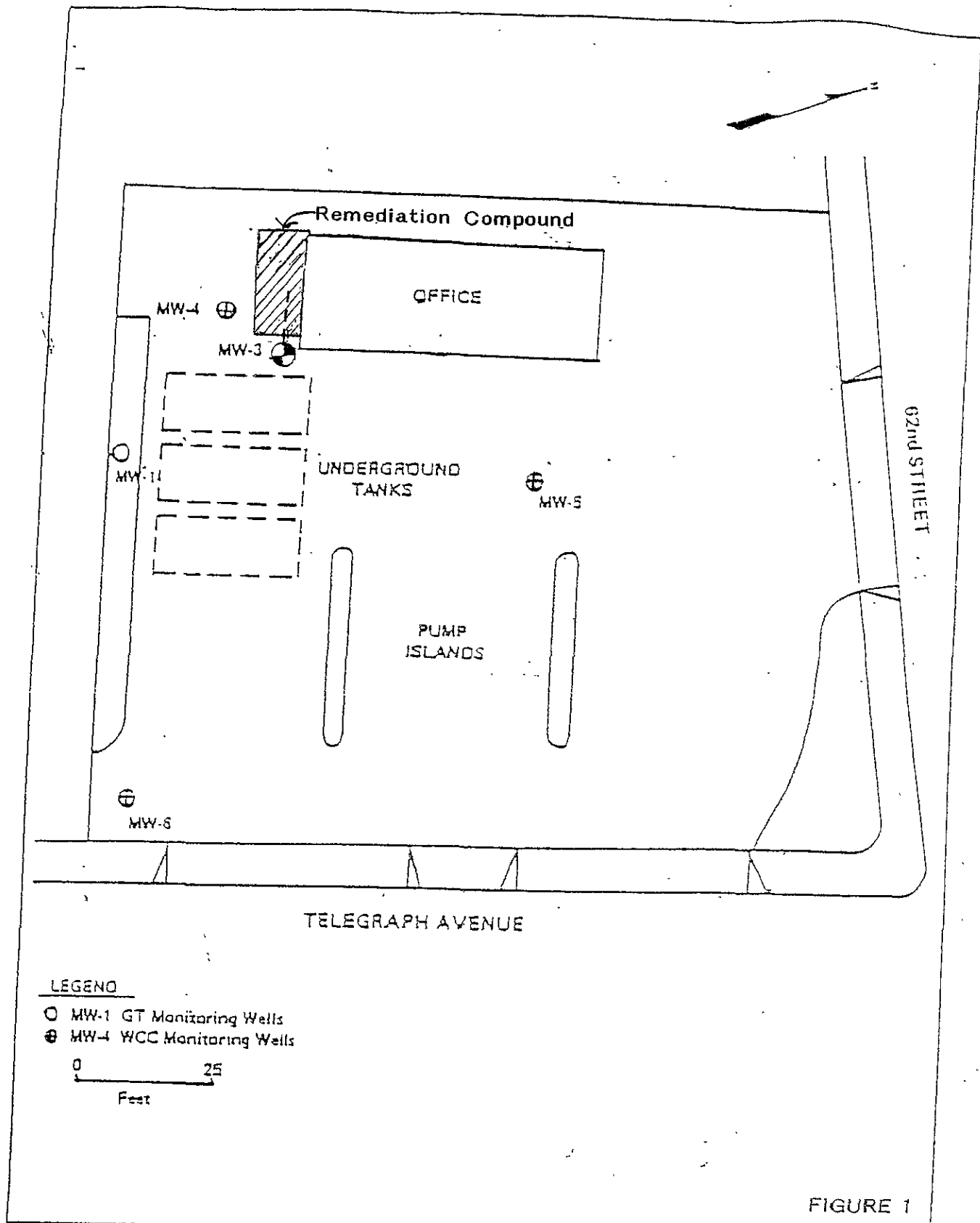
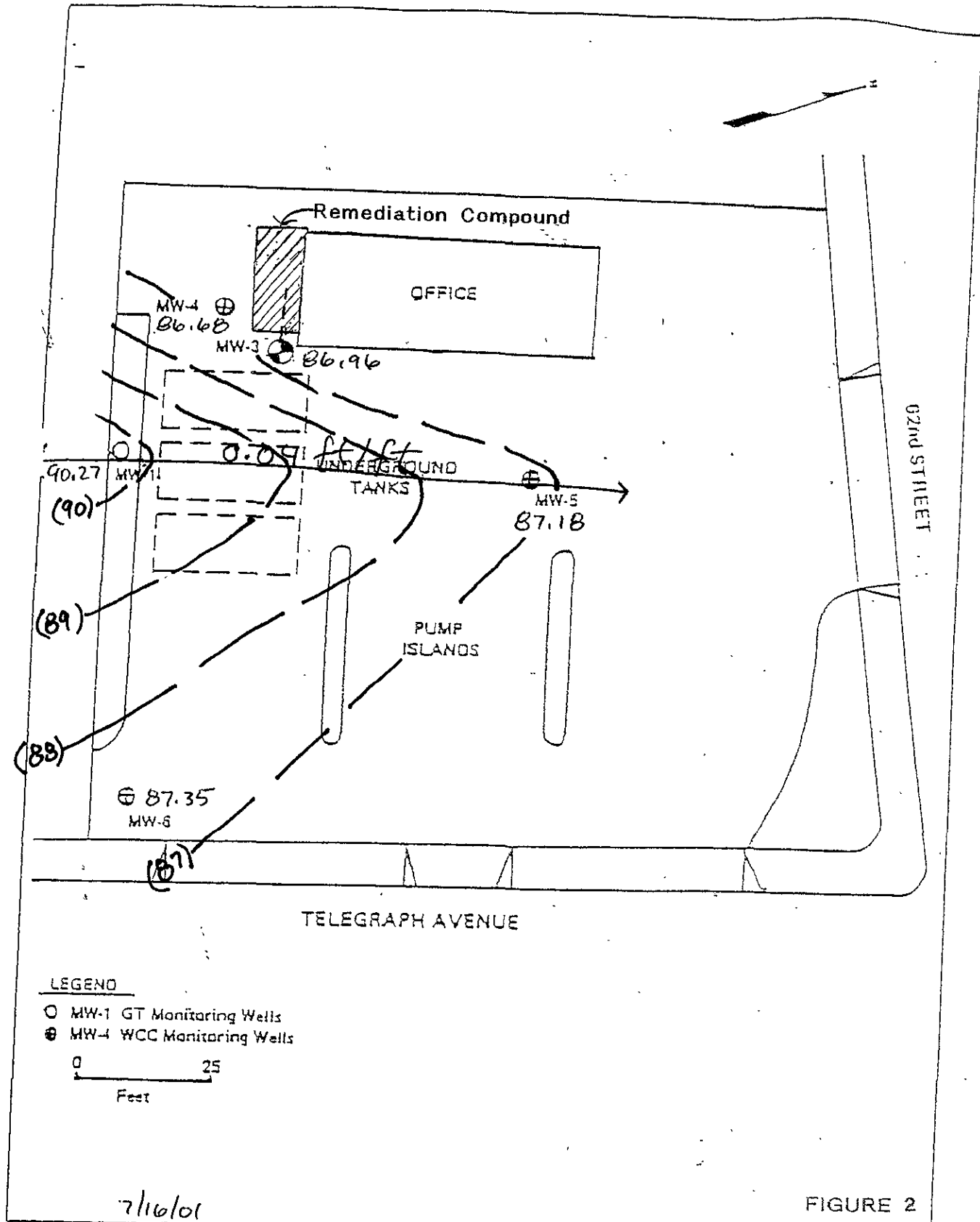
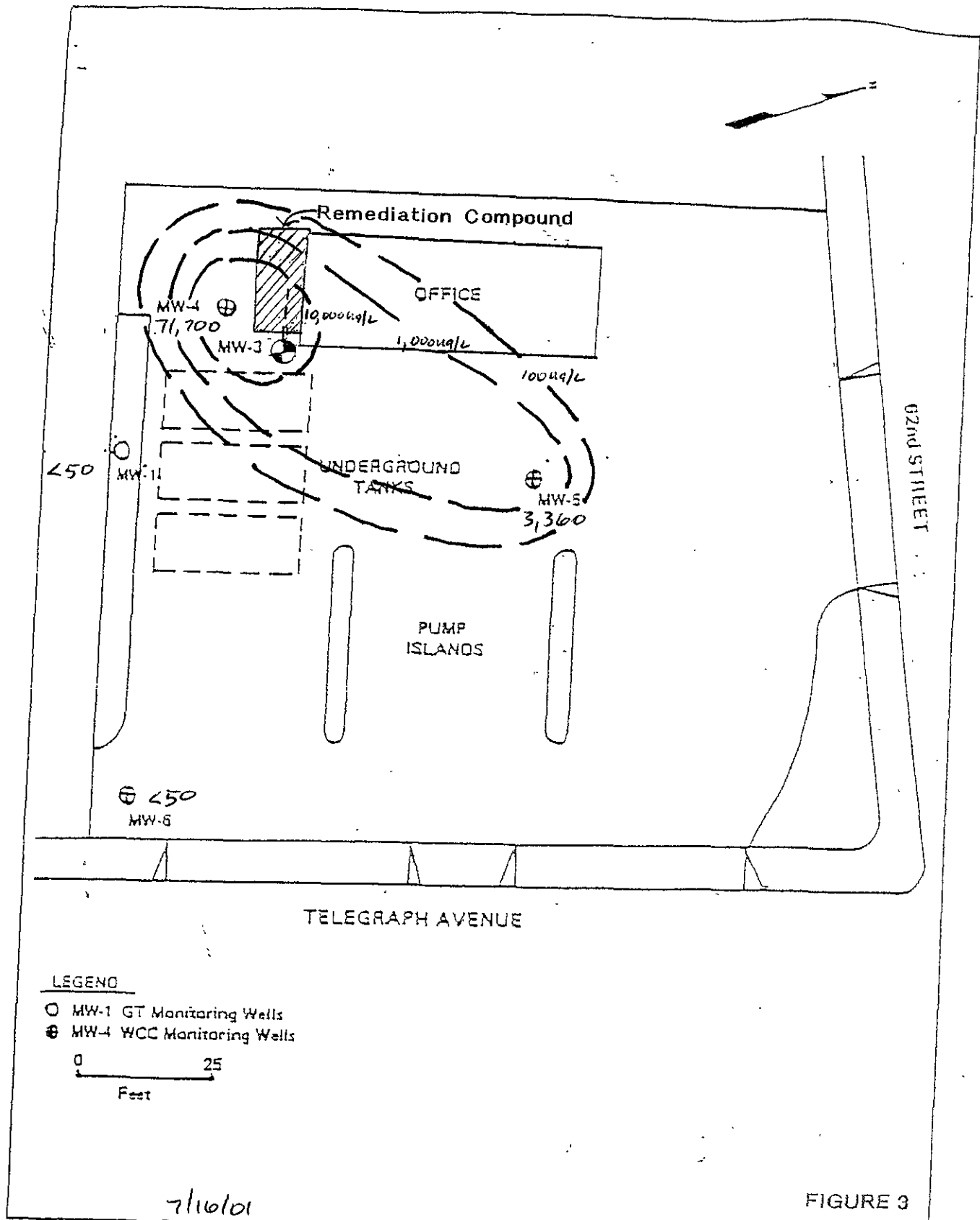


FIGURE 1

SITE PLAN AND RECOVERY SYSTEM
 THRIFTY SERVICE STATION NO. 63
 6125 TELEGRAPH AVE.
 OAKLAND, CA



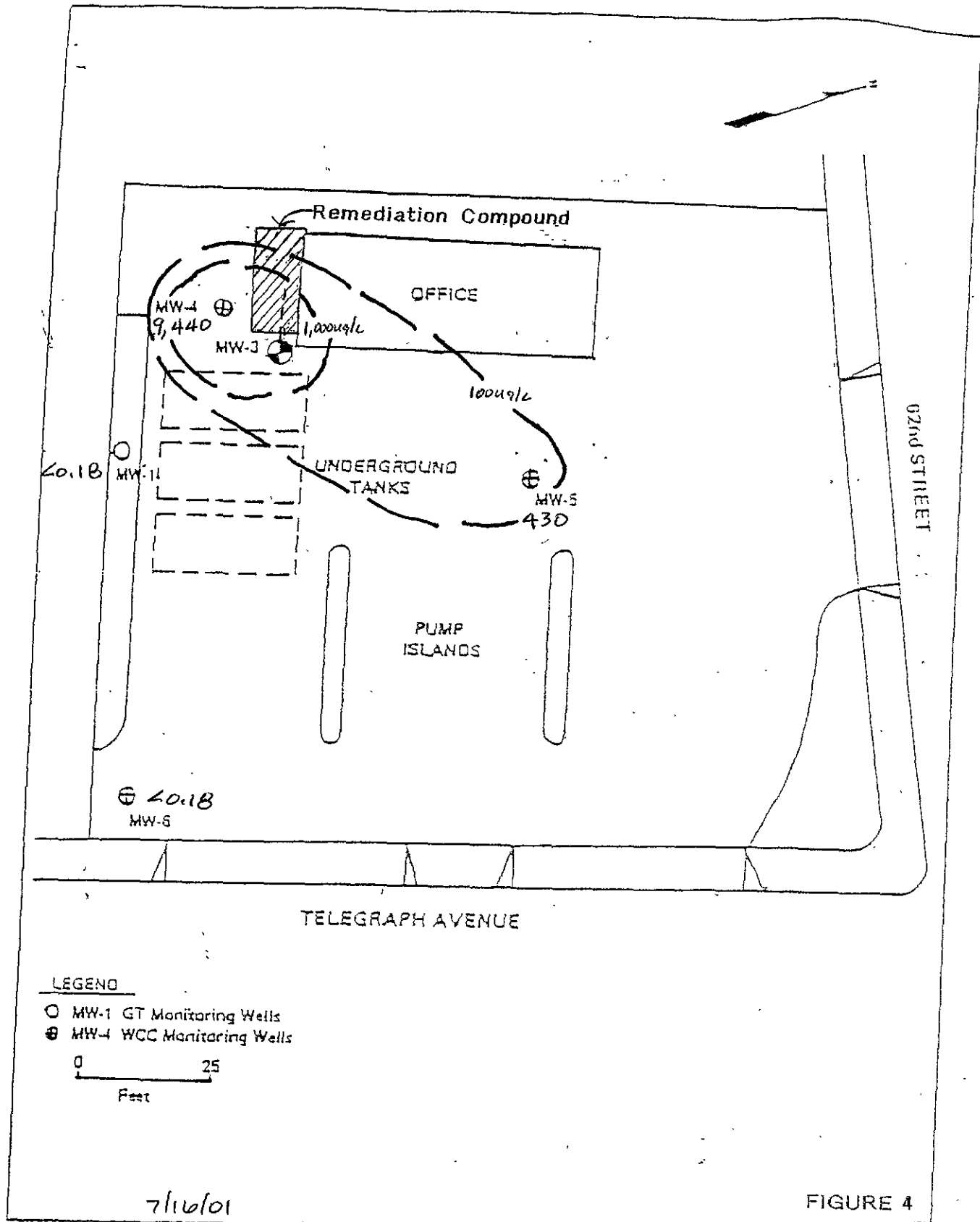
Groundwater Contour Map
 THRIFTY SERVICE STATION NO. 63
 6125 TELEGRAPH AVE.
 OAKLAND, CA



7116101

FIGURE 3

TPH-g Isoconcentration Map ug/L
 THRIFTY SERVICE STATION NO. 63
 6125 TELEGRAPH AVE.
 OAKLAND, CA



7116101

FIGURE 4

Benzene Isoconcentration Map ug/L
 THRIFTY SERVICE STATION NO. 63
 6125 TELEGRAPH AVE.
 OAKLAND, CA

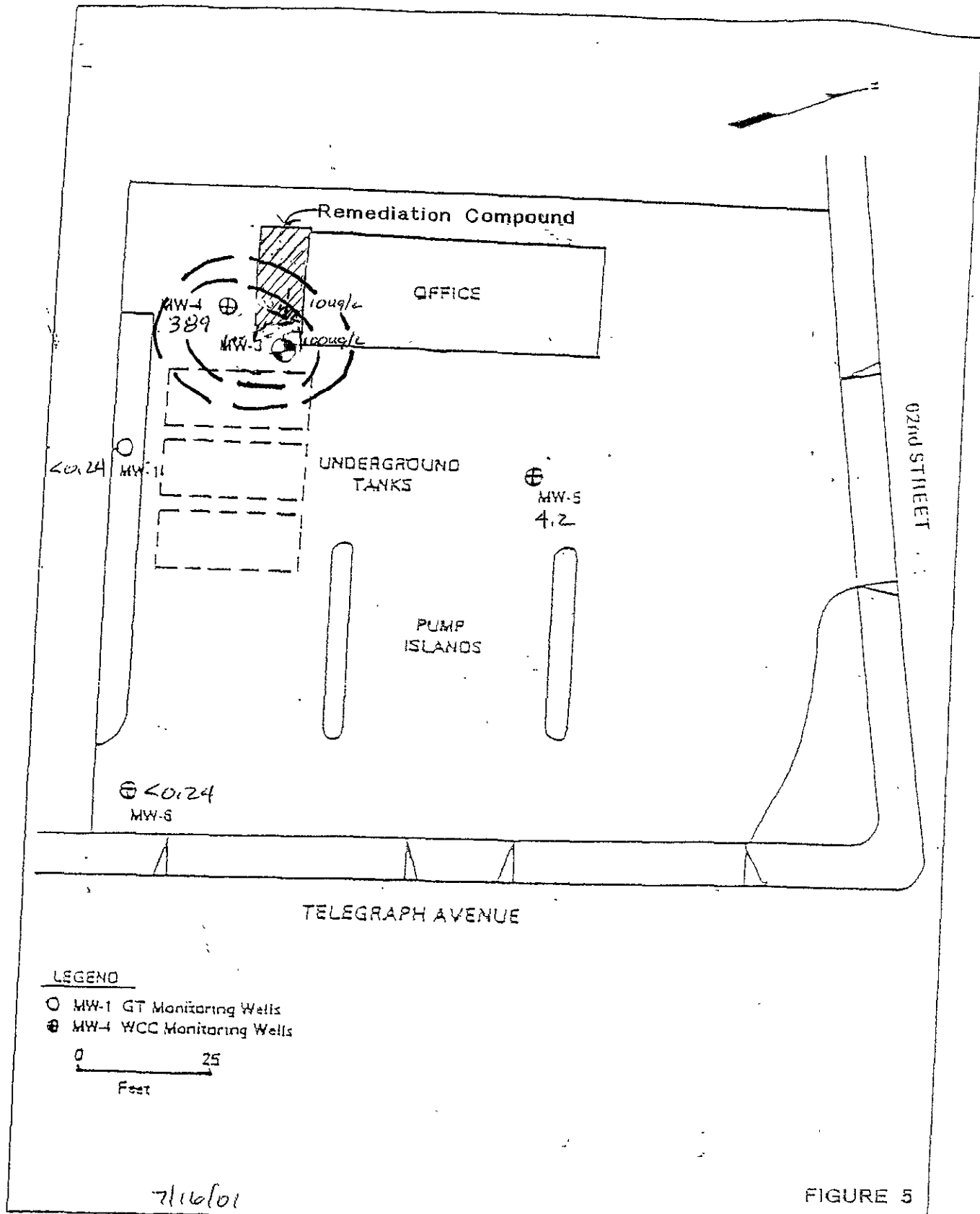


FIGURE 5

MTBE Isoconcentration Map ug/L
 THRIFTY SERVICE STATION NO. 63
 6125 TELEGRAPH AVE.
 OAKLAND, CA

TABLES

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA**

| DATE SAMPLED | ANALYTICAL PARAMETERS | | | | | | DEPTH TO GROUNDWATER (feet) | DEPTH TO PRODUCT (feet) | PRODUCT THICKNESS (feet) | CASING ELEVATION (feet) | GROUNDWATER ELEVATION (feet) |
|------------------------------|-----------------------|-------------------|-------------------|------------------------|------------------|----------------|-----------------------------------|-------------------------------|--------------------------------|-------------------------------|------------------------------------|
| | TPH (ug/L) | BENZENE (ug/L) | TOLUENE (ug/L) | EthylBenzene (ug/L) | XYLENE (ug/L) | MTBE (ug/L) | | | | | |
| MONITORING WELL #MW-1 | | | | | | | | | | | |
| 11/21/86 | - | - | - | - | - | - | 15.42 | NP | 0.00 | 99.34 | 83.92 |
| 07/22/91 | - | - | - | - | - | - | 20.41 | FILM | 0.00 | 99.34 | 78.93 |
| 10/24/91 | - | - | - | - | - | - | 19.06 | SHEEN | 0.00 | 99.34 | 80.28 |
| 01/22/92 | - | - | - | - | - | - | 18.78 | SHEEN | 0.00 | 99.34 | 80.56 |
| 03/24/92 | - | - | - | - | - | - | 13.55 | SHEEN | 0.00 | 99.34 | 85.79 |
| 07/15/92 | - | - | - | - | - | - | 18.90 | FILM | 0.00 | 99.34 | 80.44 |
| 10/05/92 | - | - | - | - | - | - | 20.50 | FILM | 0.00 | 99.34 | 78.84 |
| 01/06/93 | - | - | - | - | - | - | 14.93 | FILM | 0.00 | 99.34 | 84.41 |
| 07/13/93 | - | - | - | - | - | - | 15.44 | FILM | 0.00 | 99.34 | 83.90 |
| 10/11/93 | - | - | - | - | - | - | 20.36 | FILM | 0.00 | 99.34 | 78.98 |
| 01/11/94 | - | - | - | - | - | - | 19.50 | FILM | 0.00 | 99.34 | 79.84 |
| 04/12/94 | - | - | - | - | - | - | 18.10 | FILM | 0.00 | 99.34 | 81.24 |
| 07/14/94 | - | - | - | - | - | - | 20.03 | FILM | 0.00 | 99.34 | 79.31 |
| 01/15/96 | 11,000 | 2,800 | 150 | 780 | 770 | - | 19.02 | NP | 0.00 | 99.34 | 80.32 |
| 04/15/96 | 17,000 | 3,600 | 330 | 1,500 | 3,400 | - | 18.82 | NP | 0.00 | 99.34 | 80.52 |
| 07/15/96 | 12,000 | 1,300 | 200 | 1,200 | 4,600 | 250 | - | NP | - | - | - |
| 10/09/96 | - | - | - | - | - | - | 14.87 | NP | 0.00 | 99.34 | 84.47 |
| 01/13/97 | 27,000 | 810 | 6,000 | 570 | 4,100 | 2,700 | 10.20 | NP | 0.00 | 99.34 | 89.14 |
| 04/14/97 | 2,900 | 3.0 | 2.9 | <0.3 | 1.7 | 9,900 | - | NP | - | - | - |
| 07/07/97 | 5,200 | 0.57 | 0.57 | <0.3 | 0.71 | 16,000 | 18.75 | NP | 0.00 | 99.34 | 80.59 |
| 10/16/97 | 680 | <0.3 | 0.55 | <0.3 | <0.5 | - | 17.92 | NP | 0.00 | 99.34 | 81.42 |
| 01/07/98 | 42,000 | 980 | 2,800 | 1,200 | 5,200 | 1.3 | 9.80 | NP | 0.00 | 99.34 | 89.54 |
| 04/06/98 | 7,100 | 700 | 340 | 170 | 2,600 | 1,000 | 9.60 | NP | 0.00 | 99.34 | 89.74 |
| 07/14/98 | 19,000 | 2,100 | 400 | 890 | 5,800 | 1,600 | 13.70 | NP | 0.00 | 99.34 | 85.64 |
| 10/15/98 | 490 | <0.3 | <0.3 | <0.3 | <0.5 | 1,300 | 15.25 | NP | 0.00 | 99.34 | 84.09 |
| 01/20/99 | 350 | <0.3 | <0.3 | <0.3 | <0.5 | * 670 / 820 | 12.20 | NP | 0.00 | 99.34 | 87.14 |
| 04/16/99 | 320 | <0.3 | <0.3 | <0.3 | <0.5 | * 540 / 630 | 12.20 | NP | 0.00 | 99.34 | 87.14 |
| 07/14/99 | 290 | <0.3 | <0.3 | <0.3 | <0.5 | *590 / 580 | 13.75 | NP | 0.00 | 99.34 | 85.59 |
| 10/07/99 | 130 | <0.3 | <0.3 | <0.3 | <0.5 | 270 | 12.15 | NP | 0.00 | 99.34 | 87.19 |
| 01/26/00 | 13,000 | 460 | 54 | 290 | 3,700 | 940 | 13.14 | NP | 0.00 | 99.34 | 86.20 |
| 04/19/00 | 546 | <0.25 | <0.25 | <0.25 | <0.5 | *430 / 606 | 10.63 | NP | 0.00 | 99.34 | 88.71 |
| 05/26/00 | <50 | <0.3 | <0.3 | <0.3 | <0.6 | <5 | 9.11 | NP | 0.00 | 99.34 | 90.23 |
| 07/26/00 | <50 | <0.3 | <0.3 | <0.3 | <0.6 | <5 | 9.10 | NP | 0.00 | 99.34 | 90.24 |
| 10/25/00 | <50 | <0.18 | <0.14 | <0.18 | <0.26 | <0.24 | 9.08 | NP | 0.00 | 99.34 | 90.26 |

**TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA**

| DATE SAMPLED | ANALYTICAL PARAMETERS | | | | | | DEPTH TO GROUNDWATER (feet) | DEPTH TO PRODUCT (feet) | PRODUCT THICKNESS (feet) | CASING ELEVATION (feet) | GROUNDWATER ELEVATION (feet) |
|------------------------------|-----------------------|-------------------|-------------------|------------------------|------------------|----------------|-----------------------------------|-------------------------------|--------------------------------|-------------------------------|------------------------------------|
| | TPH (ug/L) | BENZENE (ug/L) | TOLUENE (ug/L) | EthylBenzene (ug/L) | XYLENE (ug/L) | MTBE (ug/L) | | | | | |
| 01/10/01 | <50 | <0.18 | <0.14 | <0.18 | <0.26 | <0.24 | 12.16 | NP | 0.00 | 99.34 | 87.18 |
| 04/23/01 | 18,100 | 740 | 55 | 650 | 4,000 | *1,850 / 842 | 10.60 | NP | 0.00 | 99.34 | 88.74 |
| 07/16/01 | <50 | <0.18 | <0.14 | <0.18 | <0.26 | <0.24 | 9.07 | NP | 0.00 | 99.34 | 90.27 |
| MONITORING WELL #MW-2 | | | | | | | | | | | |
| 11/21/86 | - | - | - | - | - | - | 14.90 | 0.11 | 14.79 | 100.01 | 96.28 |
| 07/22/91 | - | - | - | - | - | - | 17.84 | 0.38 | 17.46 | 100.01 | 95.35 |
| 10/24/91 | - | - | - | - | - | - | 17.00 | 16.97 | 0.03 | 100.01 | 83.03 |
| 01/22/92 | - | - | - | - | - | - | 16.72 | FILM | 0.00 | 100.01 | 83.29 |
| 03/24/92 | - | - | - | - | - | - | 15.81 | 11.98 | 3.83 | 100.01 | 87.09 |
| 07/15/92 | - | - | - | - | - | - | 16.37 | FILM | 0.00 | 100.01 | 83.64 |
| 10/05/92 | - | - | - | - | - | - | 18.41 | 18.09 | 0.32 | 100.01 | 81.84 |
| 01/06/93 | - | - | - | - | - | - | 12.37 | FILM | 0.00 | 100.01 | 87.64 |
| 07/13/93 | - | - | - | - | - | - | 15.19 | FILM | 0.00 | 100.01 | 84.82 |
| 10/11/93 | - | - | - | - | - | - | 18.05 | 0.10 | 17.95 | 100.01 | 95.51 |
| 01/11/94 | - | - | - | - | - | - | 16.98 | 0.03 | 16.95 | 100.01 | 95.83 |
| 04/12/94 | - | - | - | - | - | - | 15.54 | FILM | 0.00 | 100.01 | 84.47 |
| 07/14/94 | - | - | - | - | - | - | 17.93 | FILM | 0.00 | 100.01 | 82.08 |
| 01/15/96 | 7,100 | 720 | 280 | 48 | 660 | - | 17.20 | NP | 0.00 | 100.01 | 82.81 |
| 04/15/96 | 11,000 | 600 | 59 | 420 | 870 | - | 17.26 | NP | 0.00 | 100.01 | 82.75 |
| 07/15/96 | 19,000 | 360 | 51 | 610 | 1,600 | <250 | - | - | - | - | - |
| 10/09/96 | - | - | - | - | - | - | 14.42 | NP | 0.00 | 100.01 | 85.59 |
| 01/13/97 | 11,000 | 230 | 30 | 91 | 700 | 56 | 10.25 | NP | 0.00 | 100.01 | 89.76 |
| 04/14/97 | 141 | 1.2 | 0.33 | 0.44 | <0.5 | 20 | - | - | - | - | - |
| 07/07/97 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | <20 | 17.20 | NP | 0.00 | 100.01 | 82.81 |
| 10/16/97 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 16.20 | NP | 0.00 | 100.01 | 83.81 |
| 01/07/98 | - | - | - | - | - | - | 16.26 | 16.18 | 0.08 | 100.01 | 83.81 |
| Well Abandoned 1/30/98 | | | | | | | | | | | |
| MONITORING WELL #MW-3 | | | | | | | | | | | |
| 11/21/86 | - | 100 | 5.1 | <1.0 | 25 | - | 16.25 | 0.10 | 16.15 | 99.76 | 95.70 |
| 07/22/91 | - | - | - | - | - | - | 24.00 | NP | 0.00 | 99.76 | 75.76 |
| 10/24/91 | - | - | - | - | - | - | 18.10 | NP | 0.00 | 99.76 | 81.66 |
| 01/22/92 | - | - | - | - | - | - | 25.80 | SHEEN | 0.00 | 99.76 | 73.96 |
| 03/24/92 | - | - | - | - | - | - | 15.60 | NP | 0.00 | 99.76 | 84.16 |

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA

| DATE SAMPLED | ANALYTICAL PARAMETERS | | | | | | DEPTH TO GROUNDWATER (feet) | DEPTH TO PRODUCT (feet) | PRODUCT THICKNESS (feet) | CASING ELEVATION (feet) | GROUNDWATER ELEVATION (feet) |
|------------------------------|-----------------------|----------------|----------------|---------------------|---------------|------------------|-----------------------------|-------------------------|--------------------------|-------------------------|------------------------------|
| | TPH (ug/L) | BENZENE (ug/L) | TOLUENE (ug/L) | EthylBenzene (ug/L) | XYLENE (ug/L) | MTBE (ug/L) | | | | | |
| 07/15/92 | - | - | - | - | - | - | 25.10 | FILM | 0.00 | 99.76 | 74.66 |
| 10/05/92 | - | - | - | - | - | - | 25.20 | NP | 0.00 | 99.76 | 74.56 |
| 01/06/93 | - | - | - | - | - | - | 25.45 | NP | 0.00 | 99.76 | 74.31 |
| 07/13/93 | - | - | - | - | - | - | 14.24 | NP | 0.00 | 99.76 | 85.52 |
| 10/11/93 | - | - | - | - | - | - | 25.60 | NP | 0.00 | 99.76 | 74.16 |
| 01/11/94 | - | - | - | - | - | - | 25.90 | NP | 0.00 | 99.76 | 73.86 |
| 04/12/94 | - | - | - | - | - | - | 25.70 | NP | 0.00 | 99.76 | 74.06 |
| 07/14/94 | - | - | - | - | - | - | 25.10 | NP | 0.00 | 99.76 | 74.66 |
| 01/15/96 | - | - | - | - | - | - | 26.04 | NP | 0.00 | 99.76 | 73.72 |
| 04/15/96 | - | - | - | - | - | - | 21.03 | NP | 0.00 | 99.76 | 78.73 |
| 07/15/96 | 5,900 | 240 | 30 | 270 | 730 | 780 | - | - | - | - | - |
| 10/09/96 | - | - | - | - | - | - | 21.43 | NP | 0.00 | 99.76 | 78.33 |
| 01/13/97 | - | - | - | - | - | - | 11.20 | NP | 0.00 | 99.76 | 88.56 |
| 07/07/97 | - | - | - | - | - | - | 23.40 | NP | 0.00 | 99.76 | 76.36 |
| 10/16/97 | - | - | - | - | - | - | 22.30 | NP | 0.00 | 99.76 | 77.46 |
| 01/07/98 | - | - | - | - | - | - | 20.10 | NP | 0.00 | 99.76 | 79.66 |
| 07/14/98 | - | - | - | - | - | - | 14.40 | NP | 0.00 | 99.76 | 85.36 |
| 10/15/98 | - | - | - | - | - | - | - | - | - | - | - |
| 01/20/99 | - | - | - | - | - | - | - | - | - | - | - |
| 04/16/99 | - | - | - | - | - | - | 11.20 | NP | 0.00 | 99.76 | 88.56 |
| 07/14/99 | 5,600 | 9.6 | 1.3 | 3.5 | 8.1 | *14,000 / 14,000 | 25.87 | NP | 0.00 | 99.76 | 73.89 |
| 10/07/99 | - | - | - | - | - | - | 15.40 | NP | 0.00 | 99.76 | 84.36 |
| 01/26/00 | - | - | - | - | - | - | 14.25 | NP | 0.00 | 99.76 | 85.51 |
| 04/19/00 | - | - | - | - | - | - | 14.20 | NP | 0.00 | 99.76 | 85.56 |
| 05/26/00 | - | - | - | - | - | - | 15.12 | NP | 0.00 | 99.76 | 84.64 |
| 07/26/00 | - | - | - | - | - | - | 14.30 | NP | 0.00 | 99.76 | 85.46 |
| 10/25/00 | - | - | - | - | - | - | 14.32 | NP | 0.00 | 99.76 | 85.44 |
| 01/10/01 | - | - | - | - | - | - | 13.46 | NP | 0.00 | 99.76 | 86.30 |
| 04/23/01 | - | - | - | - | - | - | - | - | - | - | - |
| 07/16/01 | - | - | - | - | - | - | 12.80 | NP | 0.00 | 99.76 | 86.96 |
| MONITORING WELL #MW-4 | | | | | | | | | | | |
| 11/21/86 | 100,000 | 3,200 | 2,700 | 2,400 | 14,000 | - | 16.22 | FILM | 0.00 | 99.48 | 83.26 |
| 07/22/91 | - | - | - | - | - | - | 21.80 | 21.35 | 0.45 | 99.48 | 78.02 |
| 10/24/91 | - | - | - | - | - | - | 20.02 | SHEEN | 0.00 | 99.48 | 79.46 |

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA

| DATE SAMPLED | ANALYTICAL PARAMETERS | | | | | | DEPTH TO GROUNDWATER (feet) | DEPTH TO PRODUCT (feet) | PRODUCT THICKNESS (feet) | CASING ELEVATION (feet) | GROUNDWATER ELEVATION (feet) |
|-----------------|-----------------------|-------------------|-------------------|------------------------|------------------|-------------------|-----------------------------------|-------------------------------|--------------------------------|-------------------------------|------------------------------------|
| | TPH (ug/L) | BENZENE (ug/L) | TOLUENE (ug/L) | EthylBenzene (ug/L) | XYLENE (ug/L) | MIBP (ug/L) | | | | | |
| 01/22/92 | - | - | - | - | - | - | 19.78 | SHEEN | 0.00 | 99.48 | 79.70 |
| 03/24/92 | - | - | - | - | - | - | 13.94 | FILM | 0.00 | 99.48 | 85.54 |
| 07/15/92 | - | - | - | - | - | - | 19.27 | FILM | 0.00 | 99.48 | 80.21 |
| 10/05/92 | - | - | - | - | - | - | 21.44 | FILM | 0.00 | 99.48 | 78.04 |
| 01/06/93 | - | - | - | - | - | - | 14.08 | FILM | 0.00 | 99.48 | 85.40 |
| 07/13/93 | - | - | - | - | - | - | 16.09 | FILM | 0.00 | 99.48 | 83.39 |
| 10/11/93 | - | - | - | - | - | - | 21.33 | FILM | 0.00 | 99.48 | 78.15 |
| 01/11/94 | - | - | - | - | - | - | 20.45 | FILM | 0.00 | 99.48 | 79.03 |
| 04/12/94 | - | - | - | - | - | - | 19.05 | FILM | 0.00 | 99.48 | 80.43 |
| 07/14/94 | - | - | - | - | - | - | 20.41 | FILM | 0.00 | 99.48 | 79.07 |
| 01/15/96 | 5,000 | 370 | 38 | 300 | 390 | - | 19.89 | NP | 0.00 | 99.48 | 79.59 |
| 04/15/96 | 38,000 | 300 | 78 | 540 | 470 | - | 19.62 | NP | 0.00 | 99.48 | 79.86 |
| 07/15/96 | 13,000 | 880 | 69 | 820 | 1,100 | 3,600 | - | - | - | - | - |
| 10/09/96 | - | - | - | - | - | - | 15.32 | NP | 0.00 | 99.48 | 84.16 |
| 01/13/97 | 47,000 | 2,500 | 2,500 | 1,100 | 2,800 | 70,000 | 10.80 | NP | 0.00 | 99.48 | 88.68 |
| 04/14/97 | 8,700 | <0.3 | 0.45 | <0.3 | 0.64 | 29,000 | - | - | - | - | - |
| 07/07/97 | 12,000 | <0.3 | <0.3 | <0.3 | <0.5 | - | 18.80 | NP | 0.00 | 99.48 | 80.68 |
| 10/16/97 | 770 | <0.3 | <0.3 | <0.3 | <0.5 | - | 17.76 | NP | 0.00 | 99.48 | 81.72 |
| 01/07/98 | 75,000 | 3,000 | 900 | 1,400 | 2,500 | 110 | 11.60 | NP | 0.00 | 99.48 | 87.88 |
| 04/08/98 | 18,000 | 1,200 | 130 | 710 | 1,400 | 22,000 | 10.10 | NP | 0.00 | 99.48 | 89.38 |
| 07/14/98 | 21,000 | 1,300 | 58 | 1,200 | 1,100 | 23,000 | 16.30 | NP | 0.00 | 99.48 | 83.18 |
| 10/15/98 | 9,100 | 1.1 | 0.62 | <0.3 | <0.5 | 30,000 | 16.90 | NP | 0.00 | 99.48 | 82.58 |
| 01/20/99 | 16,000 | <0.3 | 0.91 | 0.72 | 1.4 | * 43,000 / 42,000 | 15.35 | NP | 0.00 | 100.48 | 85.13 |
| 04/16/99 | 17,000 | 0.48 | 0.92 | 0.54 | 1.4 | * 28,000 / 26,000 | 15.30 | NP | 0.00 | 100.48 | 85.18 |
| 07/14/99 | 8,500 | <6 | <6 | <6 | <10 | *21,000 / 16,000 | 18.40 | NP | 0.00 | 100.48 | 82.08 |
| 10/07/99 | 2,500 | <1.5 | 3.1 | <1.5 | <2.5 | 4,800 | 16.89 | NP | 0.00 | 100.48 | 83.59 |
| 01/26/00 | 9,900 | 350 | 9 | 460 | 460 | 2,800 | 12.62 | NP | 0.00 | 100.48 | 87.86 |
| 04/19/00 | 8,990 | 0.7 | <0.25 | <0.25 | <0.5 | *3,240 / 5,450 | 12.28 | NP | 0.00 | 100.48 | 88.20 |
| 05/26/00 | 94 | <0.3 | <0.3 | <0.3 | <0.6 | *746 / 419 | 13.81 | NP | 0.00 | 100.48 | 86.67 |
| 07/26/00 | <50 | <0.3 | <0.3 | <0.3 | <0.6 | 3,110 / 2,060 | 12.29 | NP | 0.00 | 100.48 | 88.19 |
| 10/25/00 | 2,480 | <0.18 | <0.14 | <0.18 | <0.26 | *3,690 / 3,040 | 12.26 | NP | 0.00 | 100.48 | 88.22 |
| 01/10/01 | <50 | <0.18 | 2 | <0.18 | 1 | 962 | 10.75 | NP | 0.00 | 100.48 | 89.73 |
| 04/23/01 | 482 | <0.18 | <0.14 | <0.18 | <0.26 | *875 / 453 | 12.26 | NP | 0.00 | 100.48 | 88.22 |
| 07/16/01 | 71,700 | 9,440 | 12,600 | 514 | 8,980 | *1,330 / 389 | 13.80 | NP | 0.00 | 100.48 | 86.68 |

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA

| DATE SAMPLED | ANALYTICAL PARAMETERS | | | | | | DEPTH TO GROUNDWATER (feet) | DEPTH TO PRODUCT (feet) | PRODUCT THICKNESS (feet) | CASING ELEVATION (feet) | GROUNDWATER ELEVATION (feet) |
|------------------------------|-----------------------|-------------------|-------------------|------------------------|------------------|----------------|-----------------------------------|-------------------------------|--------------------------------|-------------------------------|------------------------------------|
| | TPH (ug/L) | BENZENE (ug/L) | TOLUENE (ug/L) | EthylBenzene (ug/L) | XYLENE (ug/L) | MTBE (ug/L) | | | | | |
| MONITORING WELL #MW-5 | | | | | | | | | | | |
| 11/21/86 | <1,000 | 4.8 | 2.1 | <0.5 | 7.4 | - | 16.10 | NP | 0.00 | 100.98 | 84.88 |
| 07/22/91 | - | <0.5 | 1.6 | <1.0 | 2.0 | - | 18.20 | NP | 0.00 | 100.98 | 82.78 |
| 10/24/91 | - | - | - | - | - | - | 17.67 | NP | 0.00 | 100.98 | 83.31 |
| 01/22/92 | 600 | 21.0 | 8.0 | 2.0 | 17.0 | - | - | - | - | - | - |
| 03/24/92 | - | - | - | - | - | - | 12.98 | NP | 0.00 | 100.98 | 88.00 |
| 07/15/92 | <200 | <0.5 | <0.5 | <0.5 | <0.5 | - | 17.29 | NP | 0.00 | 100.98 | 83.69 |
| 10/05/92 | - | - | - | - | - | - | 18.92 | NP | 0.00 | 100.98 | 82.06 |
| 01/06/93 | 300 | 2.7 | <0.5 | 1.3 | 26.0 | - | 13.12 | NP | 0.00 | 100.98 | 87.86 |
| 07/13/93 | <100 | 1.1 | 0.5 | 1.0 | 1.5 | - | 16.15 | NP | 0.00 | 100.98 | 84.83 |
| 10/11/93 | 130 | 1.2 | <0.3 | <0.3 | <0.6 | - | 18.75 | NP | 0.00 | 100.98 | 82.23 |
| 01/11/94 | <50 | 1.5 | <0.3 | <0.3 | <0.5 | - | 17.80 | NP | 0.00 | 100.98 | 83.18 |
| 04/12/94 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 13.59 | NP | 0.00 | 100.98 | 87.39 |
| 07/14/94 | <50 | 0.42 | <0.3 | <0.3 | <0.5 | - | 18.26 | NP | 0.00 | 100.98 | 82.72 |
| 07/15/95 | 100 | 1.2 | <0.5 | 0.8 | <1 | - | - | - | - | - | - |
| 01/15/96 | 1,900 | 21 | 13 | 6.2 | 6.8 | - | 13.09 | NP | 0.00 | 100.98 | 87.89 |
| 04/15/96 | 250 | 5.1 | 2.7 | 1.7 | 1.1 | - | 13.16 | NP | 0.00 | 100.98 | 87.82 |
| 07/15/96 | 270 | 6.5 | 1.4 | 1.8 | 1.4 | 230 | - | NP | - | - | - |
| 10/09/96 | - | - | - | - | - | - | 15.37 | NP | 0.00 | 100.98 | 85.61 |
| 01/13/97 | 25,000 | 780 | 5,700 | 560 | 4,000 | 24,000 | 10.90 | NP | 0.00 | 100.98 | 90.08 |
| 04/14/97 | 6,300 | 260 | 1,600 | 28 | 550 | 9,000 | - | - | - | - | - |
| 07/07/97 | 7,500 | 300 | 1,500 | 12 | 110 | 16,000 | 14.70 | NP | 0.00 | 100.98 | 86.28 |
| 10/16/97 | 4,600 | <0.3 | 0.65 | <0.3 | <0.5 | - | 13.60 | NP | 0.00 | 100.98 | 87.38 |
| 01/07/98 | 2,700 | 33 | 11 | 37 | 580 | 7.3 | 10.97 | NP | 0.00 | 100.98 | 90.01 |
| 04/08/98 | 300 | 9.1 | <0.3 | <0.3 | <0.5 | 650 | 10.90 | NP | 0.00 | 100.98 | 90.08 |
| 07/14/98 | 670 | 5.9 | <0.3 | <0.3 | 0.53 | 2,300 | 15.20 | NP | 0.00 | 100.98 | 85.78 |
| 10/15/98 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | 19 | 15.90 | NP | 0.00 | 100.98 | 85.08 |
| 01/20/99 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | <5 | 15.20 | NP | 0.00 | 101.98 | 86.78 |
| 04/16/99 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | <5 | 15.25 | NP | 0.00 | 101.98 | 86.73 |
| 07/14/99 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | <5 | 15.96 | NP | 0.00 | 101.98 | 86.02 |
| 10/07/99 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | <5 | 16.33 | NP | 0.00 | 101.98 | 85.65 |
| 01/26/00 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | <5 | 14.80 | NP | 0.00 | 101.98 | 87.18 |
| 04/19/00 | 965 | <0.25 | <0.25 | <0.25 | <0.5 | <5 | 10.97 | NP | 0.00 | 101.98 | 91.01 |
| 05/26/00 | <50 | <0.3 | <0.3 | <0.3 | <0.6 | <5 | 14.43 | NP | 0.00 | 101.98 | 87.55 |
| 07/26/00 | <50 | <0.3 | <0.3 | <0.3 | <0.6 | <5 | 14.02 | NP | 0.00 | 101.98 | 87.96 |
| 10/25/00 | <50 | <0.18 | <0.14 | <0.18 | <0.26 | <0.24 | 14.04 | NP | 0.00 | 101.98 | 87.94 |

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA

| DATE SAMPLED | ANALYTICAL PARAMETERS | | | | | | DEPTH TO GROUNDWATER (feet) | DEPTH TO PRODUCT (feet) | PRODUCT THICKNESS (feet) | CASING ELEVATION (feet) | GROUNDWATER ELEVATION (feet) |
|------------------------------|-----------------------|----------------|----------------|---------------------|---------------|-------------|-----------------------------|-------------------------|--------------------------|-------------------------|------------------------------|
| | TPH (ug/L) | BENZENE (ug/L) | TOLUENE (ug/L) | EthylBenzene (ug/L) | XYLENE (ug/L) | MTBE (ug/L) | | | | | |
| 01/10/01 | <50 | <0.18 | <0.14 | <0.18 | <0.26 | <0.24 | 14.80 | NP | 0.00 | 101.98 | 87.18 |
| 04/23/01 | <50 | <0.18 | <0.14 | <0.18 | <0.26 | *10 / 4.2 | 10.97 | NP | 0.00 | 101.98 | 91.01 |
| 07/16/01 | 3,360 | 430 | 603 | 53 | 429 | *41 / 4.2 | 14.80 | NP | 0.00 | 101.98 | 87.18 |
| MONITORING WELL #MW-6 | | | | | | | | | | | |
| 11/21/86 | <1,000 | <2.0 | <2.0 | <2.0 | <2.0 | - | 12.64 | NP | 0.00 | 99.44 | 86.80 |
| 07/22/91 | - | - | - | - | - | - | - | - | - | - | - |
| 01/22/92 | <200 | <0.5 | <0.5 | <0.5 | 1.5 | - | - | - | - | - | - |
| 03/24/92 | - | - | - | - | - | - | 10.04 | NP | 0.00 | 99.44 | 89.40 |
| 07/15/92 | <200 | <0.5 | <0.5 | <0.5 | <0.5 | - | 13.29 | NP | 0.00 | 99.44 | 86.15 |
| 10/05/92 | - | - | - | - | - | - | 14.69 | NP | 0.00 | 99.44 | 84.75 |
| 01/06/93 | <200 | <0.5 | <0.5 | <0.5 | <1.0 | - | 10.87 | NP | 0.00 | 99.44 | 88.57 |
| 07/13/93 | <100 | <0.5 | <0.5 | <0.5 | <1.0 | - | 13.10 | NP | 0.00 | 99.44 | 86.34 |
| 10/11/93 | <60 | <0.3 | <0.3 | <0.3 | <0.6 | - | 14.43 | NP | 0.00 | 99.44 | 85.01 |
| 01/11/94 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 13.56 | NP | 0.00 | 99.44 | 85.88 |
| 04/12/94 | <50 | <0.3 | <0.3 | <0.3 | <0.3 | - | 12.10 | NP | 0.00 | 99.44 | 87.34 |
| 07/14/94 | <50 | <0.3 | <0.3 | <0.3 | <0.3 | - | 14.16 | NP | 0.00 | 99.44 | 85.28 |
| 07/15/95 | 140 | <0.5 | <0.5 | <0.5 | <1 | - | - | - | - | - | - |
| 01/15/96 | 56 | 0.38 | 0.33 | <0.3 | <0.5 | - | 14.29 | NP | 0.00 | 99.44 | 85.15 |
| 04/15/96 | 96 | 4.5 | <0.3 | <0.3 | 0.53 | - | 14.32 | NP | 0.00 | 99.44 | 85.12 |
| 07/15/96 | 140 | 2.4 | 0.44 | <0.3 | 0.70 | 110 | - | - | - | - | - |
| 10/09/96 | - | - | - | - | - | - | 12.09 | NP | 0.00 | 99.44 | 87.35 |
| 01/13/97 | 210 | <0.3 | 1.2 | <0.3 | 0.68 | 270 | 9.85 | NP | 0.00 | 99.44 | 89.59 |
| 04/14/97 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | <20 | - | - | - | - | - |
| 07/07/97 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | <20 | 14.20 | NP | 0.00 | 99.44 | 85.24 |
| 10/16/97 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 13.10 | NP | 0.00 | 99.44 | 86.34 |
| 01/07/98 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | 0.10 | 9.80 | NP | 0.00 | 99.44 | 89.64 |
| 07/14/98 | 330 | <0.3 | <0.3 | <0.3 | <0.5 | 380 | 12.30 | NP | 0.00 | 99.44 | 87.14 |
| 10/15/98 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | <5 | 14.30 | NP | 0.00 | 99.44 | 85.14 |
| 01/20/99 | <50 | 0.47 | <0.3 | <0.3 | <0.5 | <5 | 13.60 | NP | 0.00 | 100.44 | 86.84 |
| 04/16/99 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | <5 | 13.50 | NP | 0.00 | 100.44 | 86.94 |
| 07/14/99 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | *5.4 / <5 | 14.65 | NP | 0.00 | 100.44 | 85.79 |
| 10/07/99 | <50 | <0.3 | 0.96 | 0.35 | 1.8 | <5 | 15.39 | NP | 0.00 | 100.44 | 85.05 |
| 01/26/00 | <50 | <0.3 | <0.3 | <0.3 | 0.63 | <5 | 13.85 | NP | 0.00 | 100.44 | 86.59 |
| 04/19/00 | 83.1 | <0.25 | <0.25 | <0.25 | <0.5 | *11 / <5 | 9.65 | NP | 0.00 | 100.44 | 90.79 |

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #063, OAKLAND, CA

| DATE SAMPLED | ANALYTICAL PARAMETERS | | | | | | DEPTH TO GROUNDWATER (feet) | DEPTH TO PRODUCT (feet) | PRODUCT THICKNESS (feet) | CASING ELEVATION (feet) | GROUNDWATER ELEVATION (feet) |
|-----------------|-----------------------|-------------------|-------------------|------------------------|------------------|----------------|-----------------------------------|-------------------------------|--------------------------------|-------------------------------|------------------------------------|
| | TPH (ug/L) | BENZENE (ug/L) | TOLUENE (ug/L) | EthylBenzene (ug/L) | XYLENE (ug/L) | MTBE (ug/L) | | | | | |
| 05/26/00 | <50 | <0.3 | <0.3 | <0.3 | <0.6 | <5 | 13.10 | NP | 0.00 | 100.44 | 87.34 |
| 07/26/00 | <50 | <0.3 | <0.3 | <0.3 | <0.6 | <5 | 12.35 | NP | 0.00 | 100.44 | 88.09 |
| 10/25/00 | <50 | <0.18 | <0.14 | <0.18 | <0.26 | *7 / 10 | 12.30 | NP | 0.00 | 100.44 | 88.14 |
| 01/10/01 | <50 | <0.18 | <0.14 | <0.18 | <0.26 | 78 | 13.45 | NP | 0.00 | 100.44 | 86.99 |
| 04/23/01 | <50 | <0.18 | <0.14 | <0.18 | <0.26 | *9 / 4 | 9.65 | NP | 0.00 | 100.44 | 90.79 |
| 07/16/01 | <50 | <0.18 | <0.14 | <0.18 | <0.26 | <0.24 | 13.09 | NP | 0.00 | 100.44 | 87.35 |

NOTE: NP = No free hydrocarbon product
 " - " = Not analyzed / Not available
 * MTBE 8020 / 8260

Benzene, toluene, ethylbenzene, and xylene analyzed by EPA method 8020
 Total petroleum hydrocarbons (TPH) analyzed by EPA method 8015 modified for gasoline
 Methyl-tert Butyl Ether (MTBE) analyzed by EPA method 8020 or 8260

TABLE 2
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 063, OAKLAND, CA

| Date | Totalizer (gallons) | Total/Cum. Discharge (gallons) | Flow (gal/day) | EFFLUENT (ug/L) | | | | | | INFLUENT (ug/L) | | | | | |
|----------|---------------------|--------------------------------|----------------|---|------|------|------|------|------|-----------------|-------|------|------|-------|------|
| | | | | TPH-g | B | T | E | X | MTBE | TPH-g | B | T | E | X | MTBE |
| 4/8/91 | 1,669 | 0 | - | - | <0.3 | <0.3 | <0.3 | <0.9 | - | - | 1300 | 120 | <7.5 | 1300 | - |
| 4/15/91 | 5,742 | 4,073 | 582 | - | <0.3 | <0.3 | <0.3 | <0.3 | - | - | 700 | 140 | <15 | 500 | - |
| 4/22/91 | 10,240 | 8,571 | 643 | - | <0.3 | <0.3 | <0.3 | <0.9 | - | - | 850 | 100 | 34 | 860 | - |
| 4/29/91 | 15,510 | 13,841 | 753 | - | <0.3 | <0.3 | <0.3 | <0.9 | - | - | 220 | 8.4 | <0.3 | 42 | - |
| 5/6/91 | 20,200 | 18,531 | 670 | - | <0.3 | <0.3 | <0.3 | <0.9 | - | - | 280 | 0.8 | <0.3 | 56 | - |
| 5/13/91 | 24,430 | 22,761 | 604 | - | <0.3 | <0.3 | <0.3 | <0.9 | - | - | 190 | 5.6 | <0.3 | 37 | - |
| 5/20/91 | 28,480 | 26,811 | 579 | - | <0.3 | <0.3 | <0.3 | <0.9 | - | - | 150 | 0.83 | 1.4 | 29 | - |
| 5/28/91 | 29,310 | 27,641 | 104 | - | <0.3 | <0.3 | <0.3 | <0.9 | - | - | <0.3 | <0.3 | <0.3 | <0.9 | - |
| 6/3/91 | 33,080 | 31,411 | 628 | - | <0.3 | <0.3 | <0.3 | <0.9 | - | - | 58 | 4 | <0.3 | 33 | - |
| 6/10/91 | 36,939 | 35,270 | 551 | - | <0.3 | <0.3 | <0.3 | <0.9 | - | - | 45 | <0.3 | <0.3 | 16 | - |
| 6/17/91 | 40,673 | 39,004 | 533 | - | <0.3 | <0.3 | <0.3 | <0.9 | - | - | 69 | 4.9 | 0.9 | 21 | - |
| 6/24/91 | 44,453 | 42,784 | 540 | - | <0.3 | <0.3 | <0.3 | <0.9 | - | - | 5.4 | 2 | <0.3 | 6.6 | - |
| 7/1/91 | 48,173 | 46,504 | 531 | - | <0.5 | <0.5 | <1 | <1 | - | - | 14 | 15 | <1 | 9.1 | - |
| 7/8/91 | 51,681 | 50,012 | 501 | - | <0.5 | <0.5 | <1 | <1 | - | - | <0.5 | <0.5 | <1 | 6.9 | - |
| 7/15/91 | 55,186 | 53,517 | 501 | - | <0.5 | <0.5 | <1 | <1 | - | - | <0.5 | 0.6 | <1 | 6.3 | - |
| 7/22/91 | 62,150 | 60,481 | 995 | - | <0.5 | <0.5 | <1 | <1 | - | - | <0.5 | <0.5 | <1 | 2.6 | - |
| 7/29/91 | 62,150 | 60,481 | - | - | <0.5 | <0.5 | <1 | <1 | - | - | <0.5 | <0.5 | 1.2 | 19 | - |
| 8/5/91 | 63,241 | 61,572 | 156 | - | <0.5 | <0.5 | <1 | <1 | - | - | <0.5 | <0.5 | <1 | <1 | - |
| 8/12/91 | 66,091 | 64,422 | 407 | - | <0.5 | <0.5 | <1 | <1 | - | - | 2.6 | <0.5 | <1 | 12 | - |
| 8/19/91 | 67,649 | 65,980 | 223 | - | <0.5 | <0.5 | <1 | <1 | - | - | 20 | 3.3 | 2.8 | 70 | - |
| 8/26/91 | 70,514 | 68,845 | 409 | - | <0.5 | <0.5 | <1 | <1 | - | - | <0.5 | <0.5 | 1.2 | 19 | - |
| 9/9/91 | 70,564 | 68,895 | 4 | - | <0.5 | <0.5 | <1 | <1 | - | - | 270 | 10 | 13 | 69 | - |
| 9/16/91 | 73,526 | 71,857 | 423 | System shut down due to damaged compressor pump | | | | | | - | - | - | - | - | - |
| 10/7/91 | 73,526 | 71,857 | - | - | <0.5 | <0.5 | <1 | <1 | - | - | <0.5 | <0.5 | <1 | 3.8 | - |
| 10/14/91 | 74,516 | 72,847 | 141 | - | <0.5 | <0.5 | <1 | <1 | - | - | 60 | 1.1 | <1 | 23 | - |
| 10/21/91 | 76,091 | 74,422 | 225 | - | <0.5 | <0.5 | <1 | <1 | - | - | <0.5 | <0.5 | <1 | <1 | - |
| 10/28/91 | 83,242 | 81,573 | 1,022 | - | <0.5 | <0.5 | <1 | <1 | - | - | <0.5 | <0.5 | <1 | 14 | - |
| 11/3/91 | 83,242 | 81,573 | - | - | <0.5 | <0.5 | <1 | <1 | - | - | <0.5 | <0.5 | <1 | 3.1 | - |
| 11/11/91 | 84,351 | 82,682 | 139 | - | <0.5 | <0.5 | <1 | <1 | - | - | 99 | 1.9 | <1 | 14 | - |
| 11/18/91 | 85,647 | 83,978 | 185 | - | <0.5 | <0.5 | <1 | <1 | - | - | 42 | 1 | 1 | 10 | - |
| 11/25/91 | 89,512 | 87,843 | 552 | - | <0.5 | <0.5 | <1 | <1 | - | - | <0.5 | <0.5 | <1 | 3.9 | - |
| 12/3/91 | 93,407 | 91,738 | 487 | - | <0.5 | <0.5 | <1 | <1 | - | - | <0.5 | <0.5 | <1 | 3.8 | - |
| 12/9/91 | 96,210 | 94,541 | 467 | - | <0.5 | <0.5 | <1 | <1 | - | - | <0.5 | <0.5 | <1 | 3.2 | - |
| 12/16/91 | 99,045 | 97,376 | 405 | - | <0.5 | <0.5 | <0.5 | <0.5 | - | - | 1.3 | <0.5 | <0.5 | 1.5 | - |
| 12/23/91 | 102,334 | 100,665 | 470 | - | <0.5 | <0.5 | <0.5 | <0.5 | - | - | 1.7 | <0.5 | <0.5 | 2.4 | - |
| 12/30/91 | 105,124 | 103,455 | 399 | - | <0.5 | <0.5 | <0.5 | <0.5 | - | - | 22.6 | 1.2 | 0.7 | 4.9 | - |
| 1/15/92 | 115,691 | 114,022 | 660 | - | <0.5 | <0.5 | <0.5 | <0.5 | - | - | 130 | 11 | <0.5 | 50 | - |
| 2/10/92 | 124,846 | 123,177 | 352 | - | <0.5 | <0.5 | <0.5 | <0.5 | - | - | 20 | 0.51 | <0.5 | 3.6 | - |
| 3/9/92 | 149,965 | 148,296 | 897 | <200 | <0.5 | <0.5 | <0.5 | <0.5 | - | 12,000 | 2,100 | 400 | 170 | 2,100 | - |
| 4/13/92 | 168,567 | 166,898 | 531 | <200 | <0.5 | <0.5 | <0.5 | <0.5 | - | 2,100 | 280 | 3.9 | <2.5 | 98 | - |
| 5/11/92 | 187,170 | 185,501 | 664 | <200 | <0.5 | 0.7 | <0.5 | <0.5 | - | <200 | <0.5 | <0.5 | <0.5 | <0.5 | - |
| 6/8/92 | 190,490 | 188,821 | 119 | - | <0.5 | <0.5 | <0.5 | <0.5 | - | - | 44 | 3.7 | 0.7 | 64 | - |
| 7/6/92 | 197,080 | 195,411 | 235 | - | - | - | - | - | - | - | - | - | - | - | - |
| 7/13/92 | 197,890 | 196,221 | 116 | - | <0.5 | <0.5 | <0.5 | <0.5 | - | - | <0.5 | <0.5 | <0.5 | <0.5 | - |

TABLE 2
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 063, OAKLAND, CA

| Date | Totalizer (gallons) | Total/Cum. Discharge (gallons) | Flow (gal/day) | EFFLUENT (ug/L) | | | | | | INFLUENT (ug/L) | | | | | |
|----------|---------------------|--------------------------------|----------------|---|------|------|------|------|------|-----------------|-------|------|------|-------|------|
| | | | | TPH-g | B | T | E | X | MTBE | TPH-g | B | T | E | X | MTBE |
| 7/13/92 | 197,890 | 196,221 | - | System shut down for repair of electrical motor | | | | | | | | | | | |
| 8/10/92 | 197,890 | 196,221 | - | Restart the system | | | | | | | | | | | |
| 8/17/92 | 201,300 | 199,631 | 487 | - | <0.5 | <0.5 | <0.5 | <0.5 | - | - | <0.5 | <0.5 | <0.5 | <0.5 | - |
| 9/14/92 | 209,647 | 207,978 | 298 | - | <0.5 | <0.5 | <0.5 | <1 | - | - | <0.5 | <0.5 | <0.5 | <1 | - |
| 10/5/92 | 217,360 | 215,691 | 367 | <200 | <0.5 | <0.5 | <0.5 | <1 | - | <200 | <0.5 | <0.5 | <0.5 | <1 | - |
| 11/09/92 | 225,780 | 224,111 | 241 | - | <0.5 | <0.5 | <0.5 | <1 | - | - | 1.1 | 0.5 | <0.5 | 10 | - |
| 12/14/92 | 243,048 | 241,379 | 493 | - | <0.5 | <0.5 | <0.5 | <1 | - | - | 720 | 46 | <10 | 1,700 | - |
| 01/04/93 | 252,510 | 250,841 | 451 | - | <0.5 | <0.5 | <0.5 | <1 | - | - | 400 | 32 | <25 | 520 | - |
| 02/15/93 | 266,210 | 264,541 | 326 | <200 | <0.5 | <0.5 | <0.5 | <1 | - | 9,000 | 1,400 | 330 | 260 | 1,200 | - |
| 03/08/93 | 269,330 | 267,661 | 149 | - | <0.5 | <0.5 | <0.5 | <1 | - | - | 1,100 | 150 | 7.5 | 1,000 | - |
| 04/26/93 | 271,290 | 269,621 | 40 | <100 | <0.5 | <0.5 | <0.5 | <1 | - | 7,200 | 1,100 | 100 | 25 | 780 | - |
| 04/26/93 | 271,290 | 269,621 | - | System shut down to repair | | | | | | | | | | | |
| 07/15/93 | 272,577 | 270,908 | 16 | Restart the system | | | | | | | | | | | |
| 08/11/93 | 284,230 | 282,561 | 432 | - | <0.5 | <0.5 | <0.5 | <1 | - | - | 1.3 | <0.5 | <0.5 | 1.6 | - |
| 09/16/93 | 298,832 | 297,163 | 406 | <60 | <0.3 | <0.3 | <0.3 | <0.6 | - | <60 | <0.3 | <0.3 | <0.3 | <0.6 | - |
| 10/08/93 | 305,641 | 303,972 | 310 | - | - | - | - | - | - | - | - | - | - | - | - |
| 10/11/93 | 307,068 | 305,399 | 476 | <60 | <0.3 | <0.3 | <0.3 | <0.6 | - | <60 | <0.3 | <0.3 | <0.3 | <0.6 | - |
| 10/15/93 | 308,495 | 306,826 | 357 | - | - | - | - | - | - | - | - | - | - | - | - |
| 11/12/93 | 318,203 | 316,534 | 347 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - |
| 12/10/93 | 329,947 | 328,278 | 419 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - |
| 01/13/94 | 345,860 | 344,191 | 468 | - | <0.3 | <0.3 | <0.3 | <0.5 | - | - | <0.3 | <0.3 | <0.3 | <0.5 | - |
| 02/10/94 | 359,662 | 357,993 | 493 | - | <0.3 | <0.3 | <0.3 | <0.5 | - | - | 430 | 41 | 36 | 480 | - |
| 02/18/94 | 618,620 | - | - | Changed air filters. The water flowmeter jumped from 359,662 to 618,620 | | | | | | | | | | | |
| 03/10/94 | 627,540 | 366,913 | 446 | - | <0.3 | <0.3 | <0.3 | <0.5 | - | - | <0.3 | <0.3 | <0.3 | 7.7 | - |
| 04/14/94 | 645,330 | 384,703 | 508 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 170 | 1.5 | <0.3 | 0.38 | 0.73 | - |
| 05/19/94 | 653,520 | 392,893 | 234 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 1,500 | 46 | 4.1 | 0.5 | 84 | - |
| 06/16/94 | 664,015 | 403,388 | 375 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 12,000 | 860 | 37 | <13 | 1,600 | - |
| 07/14/94 | 672,750 | 412,123 | 312 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - |
| 08/11/94 | 681,920 | 421,293 | 328 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - |
| 09/15/94 | 692,083 | 431,456 | 290 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - |
| 10/17/94 | 699,979 | 439,352 | 247 | <50 | <0.3 | <0.3 | <0.5 | <0.5 | - | <50 | <0.3 | <0.3 | <0.5 | <0.5 | - |
| 11/14/94 | 712,539 | 451,912 | 449 | <50 | <0.3 | <0.3 | <0.5 | <0.5 | - | <50 | <0.3 | <0.3 | <0.5 | <0.5 | - |
| 12/19/94 | 734,620 | 473,993 | 631 | <50 | <0.3 | <0.3 | <0.5 | <0.5 | - | <50 | <0.3 | <0.3 | <0.5 | <0.5 | - |
| 01/10/95 | 742,072 | 481,445 | 339 | - | - | - | - | - | - | - | - | - | - | - | - |
| 01/16/95 | 742,074 | 481,447 | 0 | System shut down for repair of compressor pump | | | | | | | | | | | |
| 02/06/95 | 742,074 | 481,447 | - | Restart the system | | | | | | | | | | | |
| 02/13/95 | 744,063 | 483,436 | 284 | <50 | <0.3 | <0.3 | <0.5 | <0.5 | - | <50 | <0.3 | <0.3 | <0.5 | <0.5 | - |
| 03/13/95 | 758,930 | 498,303 | 531 | <100 | <0.5 | <0.5 | <0.5 | <1 | - | 1,300 | <0.5 | <0.5 | <0.5 | <1 | - |
| 04/17/95 | 768,276 | 507,649 | 267 | <100 | <0.5 | <0.5 | <0.5 | <1 | - | 6,200 | 410 | 73 | 97 | 280 | - |
| 05/15/95 | 780,716 | 520,089 | 444 | <100 | <0.5 | <0.5 | <0.5 | <1 | - | 1,300 | 0.6 | <0.5 | <0.5 | <1 | - |
| 06/12/95 | 784,514 | 523,887 | 136 | <100 | <0.5 | <0.5 | <0.5 | <1 | - | <100 | <0.5 | <0.5 | <0.5 | <1 | - |
| 07/18/95 | 794,158 | 533,531 | 268 | <100 | <0.5 | <0.5 | <0.5 | <1 | - | 1,100 | <0.5 | <0.5 | <0.5 | <1 | - |
| 08/14/95 | 795,216 | 534,589 | 39 | <100 | <0.5 | <0.5 | <0.5 | <1 | - | 170 | <0.5 | <0.5 | <0.5 | <1 | - |
| 09/06/95 | 797,631 | 537,004 | 105 | <100 | <0.5 | <0.5 | <0.5 | <1 | - | 1,320 | <0.5 | <0.5 | <0.5 | <1 | - |

TABLE 2
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 063, OAKLAND, CA

| Date | Totalizer (gallons) | Total/Cum. Discharge (gallons) | Flow (gal/day) | EFFLUENT (ug/L) | | | | | | INFLUENT (ug/L) | | | | | |
|---------------|---------------------|--------------------------------|----------------|---|------|------|------|------|------|-----------------|------|-------|-------|--------|------|
| | | | | TPH-g | B | T | E | X | MTBE | TPH-g | B | T | E | X | MTBE |
| 10/17/95 | 800,316 | 539,689 | 65 | <100 | <0.5 | <0.5 | <0.5 | <1 | - | 2,400 | 26 | 2.7 | 3.9 | 46 | - |
| 11/20/95 | 806,264 | 545,637 | 175 | 150 | <0.3 | <0.3 | <0.3 | <0.5 | - | 450 | 0.31 | <0.3 | <0.3 | <0.5 | - |
| 12/11/95 | 809,236 | 548,609 | 142 | 300 | <0.3 | <0.3 | <0.3 | 0.59 | - | 470 | <0.3 | <0.3 | <0.3 | <0.5 | - |
| 01/15/96 | 822,734 | 562,107 | 386 | 510 | <0.3 | <0.3 | <0.3 | <0.5 | - | 900 | 0.39 | <0.3 | <0.3 | <0.5 | - |
| 02/19/96 | 848,213 | 587,586 | 728 | 800 | <0.3 | 0.57 | <0.3 | 0.83 | - | 1700 | 23 | 3.7 | <0.3 | 80 | - |
| 03/19/96 | 849,587 | 588,960 | 47 | 930 | <0.3 | <0.3 | <0.3 | <0.5 | - | 1,600 | 5.5 | 1.4 | <0.3 | 94 | - |
| 04/15/96 | 852,042 | 591,415 | 91 | 990 | <0.3 | <0.3 | <0.3 | <0.5 | - | 1,100 | 0.43 | <0.3 | <0.3 | <0.5 | - |
| 05/13/96 | 890,214 | 629,587 | 1,363 | 840 | <0.3 | <0.3 | <0.3 | <0.5 | - | 910 | <0.3 | <0.3 | <0.3 | <0.5 | - |
| 05/13/96 | 890,214 | 629,587 | - | System shut down for carbon change | | | | | | | | | | | |
| 06/14/96 | 890,214 | 629,587 | - | Restart the system | | | | | | | | | | | |
| 06/18/96 | 890,818 | 630,191 | 151 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 1,000 | 92 | 8.7 | 3.4 | 55 | - |
| 07/01/96 | 892,781 | 632,154 | 151 | - | - | - | - | - | - | - | - | - | - | - | - |
| 07/08/96 | 894,210 | 633,583 | 204 | System shut down due to burglary and damaged air compressor | | | | | | | | | | | |
| 08/05/96 | 894,210 | 633,583 | - | Restart the system | | | | | | | | | | | |
| 08/13/96 | 896,220 | 635,593 | 251 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 3,500 | 160 | 110 | 220 | 650 | - |
| 09/23/96 | 899,410 | 638,783 | 78 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | <50 | 0.49 | <0.3 | <0.3 | <0.5 | - |
| 10/09/96 | 899,845 | 639,218 | 27 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 730 | 1.7 | 0.42 | 2.1 | 2.5 | - |
| 11/11/96 | 901,348 | 640,721 | 46 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 81 | <0.3 | <0.3 | <0.3 | <0.5 | - |
| 12/09/96 | 901,576 | 640,949 | 8 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - |
| 01/13/97 | 904,630 | 644,003 | 87 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 13,000 | 590 | 250 | 180 | 850 | - |
| 02/10/97 | 912,610 | 651,983 | 285 | 82 | <0.3 | 0.38 | <0.3 | <0.5 | - | 700 | 0.92 | 0.75 | <0.3 | 4.1 | - |
| 03/10/97 | 921,020 | 660,393 | 300 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 600 | <0.3 | <0.3 | <0.3 | <0.5 | - |
| 04/14/97 | 932,410 | 671,783 | 325 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 4,400 | <0.3 | <0.3 | <0.3 | <0.5 | - |
| 05/12/97 | 941,028 | 680,401 | 308 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 5,600 | 7.3 | 0.32 | <0.3 | 17 | - |
| 06/23/97 | 943,183 | 682,556 | 51 | - | - | - | - | - | - | - | - | - | - | - | - |
| 07/07/97 | 945,821 | 685,194 | 188 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 1,500 | 3.4 | <0.3 | <0.3 | 26 | - |
| 08/04/97 | 951,020 | 690,393 | 186 | - | - | - | - | - | - | - | - | - | - | - | - |
| 09/02/97 | 957,933 | 697,306 | 238 | System shut down due to stolen air compressor | | | | | | | | | | | |
| 10/06/97 | 961,030 | 700,403 | 91 | - | - | - | - | - | - | - | - | - | - | - | - |
| 10/16/97 | 961,077 | 700,450 | 5 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 550 | <0.3 | <0.3 | <0.3 | <0.5 | - |
| 11/17/97 | 970,920 | 710,293 | 308 | - | - | - | - | - | - | - | - | - | - | - | - |
| 12/23/97 | 986,016 | 725,389 | 419 | - | - | - | - | - | - | - | - | - | - | - | - |
| 01/05/98 | 991,520 | 730,893 | 423 | - | - | - | - | - | - | - | - | - | - | - | - |
| 01/07/98 | 992,365 | 731,738 | 423 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 65,000 | 690 | 8,400 | 3,100 | 20,000 | - |
| 02/02/98 | 996,874 | 736,247 | 173 | - | - | - | - | - | - | - | - | - | - | - | - |
| 02/09/98 | - | - | - | System shut down due to the UST replacement and station remodeling | | | | | | | | | | | |
| 02/17/98 | - | - | - | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 35,000 | 150 | <15 | <15 | 8,900 | - |
| 04/13/98 | 53,000 | 736,247 | - | Replaced carbons and restarted system with new meter (53,000) | | | | | | | | | | | |
| 4/13 - 6/1/98 | - | - | - | System was undergoing several maintenance / piping / hose replacement | | | | | | | | | | | |
| 06/01/98 | 53,780 | 737,027 | 16 | - | - | - | - | - | - | - | - | - | - | - | - |
| 07/14/98 | 56,905 | 740,152 | 73 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 3,500 | 14 | 0.56 | <0.3 | 26 | - |
| 08/13/98 | 59,426 | 742,673 | 84 | - | - | - | - | - | - | - | - | - | - | - | - |
| 09/11/98 | 62,356 | 745,603 | 101 | - | - | - | - | - | - | - | - | - | - | - | - |
| 10/15/98 | 62,714 | 745,961 | 11 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 2,200 | 21 | 4 | <0.3 | 100 | - |

TABLE 2
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 063, OAKLAND, CA

| Date | Totalizer (gallons) | Total/Cum. Discharge (gallons) | Flow (gal/day) | EFFLUENT (ug/L) | | | | | | INFLUENT (ug/L) | | | | | |
|---------------|---------------------|--------------------------------|----------------|--|-------|-------|-------|-------|-------|-----------------|------|-------|-------|-------|--------------|
| | | | | TPH-g | B | T | E | X | MTBE | TPH-g | B | T | E | X | MTBE |
| 11/06/98 | 62,952 | 746,199 | 11 | - | - | - | - | - | - | - | - | - | - | - | - |
| 11/20/98 | - | - | - | System shut down for flowmeter replacement | | | | | | | | | | | |
| 12/01/98 | 0.0 | 746,199 | - | Restart the system with flowmeter at 000 | | | | | | | | | | | |
| 12/31/98 | 5,340.0 | 751,539 | 178 | - | - | - | - | - | - | - | - | - | - | - | - |
| 01/11/99 | 15,020.0 | 761,219 | 880 | System shut down | | | | | | | | | | | |
| 1/11 - 2/1/99 | - | - | - | System was undergoing maintenance for the compressor | | | | | | | | | | | |
| 01/20/99 | - | - | - | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | 110 | 0.43 | 0.42 | <0.3 | <0.5 | 260 |
| 02/01/99 | 15,600.0 | 761,799 | 28 | Restart system | | | | | | | | | | | |
| 02/12/99 | 22,840.0 | 769,039 | 658 | - | - | - | - | - | - | - | - | - | - | - | - |
| 02/22/99 | 22,840.0 | 769,039 | - | System shut down for carbon canister replacement | | | | | | | | | | | |
| 03/26/99 | 22,840.0 | 769,039 | - | Restart the system | | | | | | | | | | | |
| 03/31/99 | 24,620.0 | 770,819 | 356 | - | - | - | - | - | - | - | - | - | - | - | - |
| 04/16/99 | 29,605.0 | 775,804 | 312 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | <5 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | <5 |
| 05/11/99 | 36,010.0 | 782,209 | 256 | - | - | - | - | - | - | - | - | - | - | - | - |
| 05/25/99 | 45,000.0 | 792,199 | 714 | System shut down due to carbon canister leaking | | | | | | | | | | | |
| 09/02/99 | 46,000.0 | 792,199 | - | Restart system | | | | | | | | | | | |
| 09/17/99 | 46,217.0 | 792,416 | 14 | - | - | - | - | - | - | - | - | - | - | - | - |
| 10/07/99 | 46,809.0 | 793,008 | 30 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | 11 | 65 | <0.3 | <0.3 | <0.3 | <0.5 | 120 |
| 10/21/99 | 47,278.0 | 793,477 | 34 | System shut down for carbon change | | | | | | | | | | | |
| 11/24/99 | 47,283.0 | 793,482 | 0 | Restart system | | | | | | | | | | | |
| 12/30/99 | 49,386.0 | 795,585 | 58 | - | - | - | - | - | - | - | - | - | - | - | - |
| 01/26/00 | 50,569.0 | 796,768 | 44 | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - | <50 | <0.3 | <0.3 | <0.3 | <0.5 | - |
| 02/25/00 | 51,983.0 | 798,182 | 47 | - | - | - | - | - | - | - | - | - | - | - | - |
| 03/24/00 | 54,603.0 | 800,802 | 94 | - | - | - | - | - | - | - | - | - | - | - | - |
| 04/19/00 | 56,754.0 | 802,953 | 83 | <5 | <0.25 | <0.25 | <0.25 | <0.5 | - | <50 | 1.3 | <0.25 | <0.25 | <0.5 | <5 |
| 04/30/00 | 58,022.0 | 804,221 | 115 | - | - | - | - | - | - | - | - | - | - | - | - |
| 05/26/00 | 60,086.0 | 806,285 | 79 | - | - | - | - | - | - | 923 | <0.6 | 2 | 85 | 80 | *8,350/4,810 |
| 06/16/00 | 61,889.0 | 808,088 | 86 | <50 | <0.3 | <0.3 | <0.3 | <0.6 | <5 | 3,820 | <0.3 | <0.3 | <0.3 | <0.6 | 3,740 |
| 07/26/00 | 65,987.0 | 812,186 | 102 | <50 | <0.3 | <0.3 | <0.3 | <0.6 | <5 | <50 | <0.3 | <0.3 | <0.3 | <0.6 | <5 |
| 08/25/00 | 68,630.0 | 814,829 | 88 | - | - | - | - | - | - | - | - | - | - | - | - |
| 09/29/00 | 85,661.0 | 831,860 | 487 | - | - | - | - | - | - | - | - | - | - | - | - |
| 10/13/00 | 96,212.0 | 842,411 | 754 | - | - | - | - | - | - | - | - | - | - | - | - |
| 10/20/00 | 99,700.0 | 845,899 | 498 | Shut down system for QWS and replaced flowmeter starting at 000 (old meter estimated at 99,700) System restarted on 10/25/00 after QWS | | | | | | | | | | | |
| 10/25/00 | 0.0 | 845,899 | - | <50 | <0.18 | <0.14 | <0.18 | <0.26 | <0.24 | 17,100 | 111 | 121 | 141 | 972 | 998 |
| 10/27/00 | 2,160.0 | 848,059 | 1,080 | - | - | - | - | - | - | - | - | - | - | - | - |
| 11/03/00 | 7,420.0 | 853,319 | 751 | - | - | - | - | - | - | - | - | - | - | - | - |
| 11/24/00 | 16,560.0 | 862,459 | 435 | - | - | - | - | - | - | - | - | - | - | - | - |
| 12/22/00 | 51,530.0 | 897,429 | 1,249 | - | - | - | - | - | - | - | - | - | - | - | - |
| 01/10/01 | 54,520.0 | 900,419 | 157 | <50 | <0.18 | <0.14 | <0.18 | <0.26 | <0.24 | 10,000 | 384 | 223 | <0.18 | 1,330 | 11,600 |
| 02/19/01 | 99,640.0 | 945,539 | 1,128 | - | - | - | - | - | - | - | - | - | - | - | - |
| 03/19/01 | 144,170.0 | 990,069 | 1,590 | - | - | - | - | - | - | - | - | - | - | - | - |
| 04/09/01 | 167,050.0 | 1,012,949 | 1,090 | 378 | <0.18 | <0.14 | <0.18 | <0.26 | 475 | 4,040 | 191 | 4 | 42 | 38 | 4,990 |
| 04/13/01 | 169,210.0 | 1,015,109 | 540 | Shut down system for replacement of carbon drums | | | | | | | | | | | |
| 04/18/01 | 169,210.0 | 1,015,109 | - | Restart system | | | | | | | | | | | |

TABLE 2
GROUNDWATER REMEDIATION SYSTEM MONITORING PROGRAM
 Thrifty Oil Co. Station No 063, OAKLAND, CA

| Date | Totalizer (gallons) | Total/Cum Discharge (gallons) | Flow (gal/day) | EFFLUENT (ug/L) | | | | | | INFLUENT (ug/L) | | | | | |
|----------|---------------------|-------------------------------|----------------|------------------------------------|-------|-------|-------|-------|-------|-----------------|-------|-------|-------|-------|----------------|
| | | | | TPH-g | B | T | E | X | MTBE | TPH-g | B | T | E | X | MTBE |
| 04/23/01 | 177,140.0 | 1,023,039 | 1,586 | 93 | <0.18 | <0.14 | <0.18 | <0.26 | 132 | 1,400 | <0.18 | <0.14 | <0.18 | <0.26 | 3,240 |
| 05/02/01 | 186,800.0 | 1,032,699 | 1,073 | Shut down system for carbon change | | | | | | | | | | | |
| 05/18/01 | 186,900.0 | 1,032,799 | 6 | Restart system | | | | | | | | | | | |
| 05/30/01 | 200,850.0 | 1,046,749 | 1,163 | <50 | <0.18 | <0.14 | <0.18 | <0.26 | <0.24 | 3,100 | 15 | <0.14 | 1 | 2 | *8,510 / 5,780 |
| 06/25/01 | 266,720.0 | 1,112,619 | 2,533 | - | - | - | - | - | - | - | - | - | - | - | - |
| 07/09/01 | 278,760.0 | 1,124,659 | 860 | <50 | <0.18 | <0.14 | <0.18 | <0.26 | <0.24 | 748 | 15 | <0.14 | 2 | 2.7 | 1,440 |
| 08/13/01 | 399,700.0 | 1,245,599 | 3,455 | - | - | - | - | - | - | - | - | - | - | - | - |
| 09/24/01 | 451,240.0 | 1,297,139 | 1,227 | - | - | - | - | - | - | - | - | - | - | - | - |

| | | | | | | |
|--------------------------|-----------|------------|------------|------------|------------|-----------|
| WD PERMIT LIMITS: | <i>NE</i> | <i>5.0</i> | <i>5.0</i> | <i>5.0</i> | <i>5.0</i> | <i>NE</i> |
|--------------------------|-----------|------------|------------|------------|------------|-----------|

Note: < = less than laboratory detection level indicated TPH is analyzed by EPA Method 8015 M
 - = no sample / not analyzed BTEX is analyzed by EPA Method 602 or 8020
 NE = Permit Limit not established *MTBE 8020/8260
 In February 2000, the total cumulative discharge amount was corrected to reflect all system maintenance and flowmeter changeouts since the startup of the system. The total number may be different from previous versions of this table.

APPENDIX A



PROJECT STATUS REPORT
 THRIFTY OIL CO. S.S. #063
 6125 TELEGRAPH AVENUE
 OAKLAND, CA 94609
 DATE: 07-16-01

OBSERVATION WELLS

| NO. | DTW | DTP | PT | DTB | DIA. | ODORS | | | F/P | | |
|---------|-------|-----|----|-------|----------------|-------|----|---|-----|----|---|
| | | | | | | YES | NO | S | YES | NO | |
| MONTHLY | | | | | | | | | | | |
| MW-1 | 9.07 | | | 29.00 | 2 ⁴ | | X | | | X | - |
| MW-2 | | | | | | | | | | | - |
| MW-3 | 12.80 | | | 28.24 | 6 ⁴ | | X | | | X | - |
| MW-4 | 13.80 | | | 29.13 | 2 ⁴ | | | | | | - |
| MW-5 | 14.80 | | | 26.28 | 4 ⁴ | | X | | | X | - |
| MW-6 | 13.04 | | | 26.87 | 4 ⁴ | | X | | | X | - |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

EXPLANATION

DTW - DEPTH TO WATER FROM SURFACE DTP - DEPTH TO PRODUCT FROM SURFACE
 PT - PRODUCT THICKNESS S - SLIGHT
 MEASUREMENTS IN FEET

REMARKS: _____

FREE PRODUCT REMOVED: APPROX. _____ GALLONS WATER REMOVED: APPROX. _____ GALLONS

DATA RECORDED BY: _____ INPUT BY: Carrie

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

| | | | |
|------------|-----------|----------|-----------|
| Site: | # 063 | Date: | 07.16.01 |
| Address: | | | |
| Personnel: | BERBINE D | Weather: | SUNNY Day |
| Well No: | MW-1 | Equip: | BURGER |

| | | | |
|-------------------------|-------|--------------------|----|
| Before Purging: | | | |
| Total Well Depth: (ft.) | 29.00 | Well Diameter | 24 |
| Depth to Water (ft) | 9.07 | Est. Purge Volume: | 13 |

| | | | | | | | |
|---------------------------|------|------|------|-------------------------|------|------|------|
| Sampling Data: | | | | | | | |
| Initial Turbidity: | | | | Final Turbidity: | | | |
| Time | 9:03 | 9:05 | 9:07 | 9:09 | 9:11 | 9:13 | 9:15 |
| EC | 1450 | 1470 | 1480 | 1490 | 1510 | 1510 | 1510 |
| pH | 6.04 | 6.08 | 6.11 | 6.14 | 6.11 | 6.14 | 6.11 |
| Temp | 71.4 | 71.2 | 70.9 | 70.7 | 70.7 | 70.5 | 70.3 |
| Gal. | 1 | 3 | 5 | 7 | 9 | 11 | 13 |
| | | | | | | | |
| Time | | | | | | | |
| EC | | | | | | | |
| pH | | | | | | | |
| Temp | | | | | | | |
| Gal. | | | | | | | |

| | | | |
|---|-------|-----------------------|-------|
| After Purging/Before Sample Collection | | | |
| Depth to Water (ft.) | 12.32 | Total Well Depth(ft). | 29.00 |

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

| | | | |
|------------|----------------|----------|------------------|
| Site: | <u>#063</u> | Date: | <u>07.16.01</u> |
| Address: | | | |
| Personnel: | <u>SERDY P</u> | Weather: | <u>SUNNY DAY</u> |
| Well No: | <u>MW-4</u> | Equip: | <u>BAYER</u> |

| | | | |
|-------------------------|--------------|--------------------|-----------|
| Before Purging: | | | |
| Total Well Depth: (ft.) | <u>29.13</u> | Well Diameter | <u>24</u> |
| Depth to Water (ft) | <u>13.80</u> | Est. Purge Volume: | <u>10</u> |

| | | | | | | | |
|---------------------------|-------------|-------------|-------------|-------------------------|-------------|-------------|--------------|
| Sampling Data: | | | | | | | |
| Initial Turbidity: | | | | Final Turbidity: | | | |
| Time | <u>9:51</u> | <u>9:52</u> | <u>9:54</u> | <u>9:55</u> | <u>9:57</u> | <u>9:58</u> | <u>10:00</u> |
| EC | <u>1860</u> | <u>1870</u> | <u>1870</u> | <u>1850</u> | <u>1810</u> | <u>1830</u> | <u>1820</u> |
| pH | <u>6.18</u> | <u>6.16</u> | <u>6.12</u> | <u>6.18</u> | <u>6.16</u> | <u>6.16</u> | <u>6.16</u> |
| Temp | <u>21.3</u> | <u>21.1</u> | <u>20.8</u> | <u>20.7</u> | <u>20.6</u> | <u>20.4</u> | <u>20.4</u> |
| Gal. | <u>1</u> | <u>2</u> | <u>4</u> | <u>5</u> | <u>7</u> | <u>8</u> | <u>10</u> |
| Time | | | | | | | |
| EC | | | | | | | |
| pH | | | | | | | |
| Temp | | | | | | | |
| Gal. | | | | | | | |

| | |
|---|---|
| After Purging/Before Sample Collection | |
| Depth to Water (ft.) | <u>16.32</u> Total Well Depth(ft.) <u>29.13</u> |

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

| | | | |
|------------|------------|----------|-----------|
| Site: | #2063 | Date: | 07-16-01 |
| Address: | | | |
| Personnel: | SERBINA P. | Weather: | SUNNY DAY |
| Well No: | MW-5 | Equip: | BITTER |

| | | | |
|-------------------------|-------|--------------------|----|
| Before Purging: | | | |
| Total Well Depth: (ft.) | 26.28 | Well Diameter | 44 |
| Depth to Water (ft) | 14.80 | Est. Purge Volume: | 30 |

| | | | | | | | |
|---------------------------|------|------|------|-------------------------|------|------|------|
| Sampling Data: | | | | | | | |
| Initial Turbidity: | | | | Final Turbidity: | | | |
| Time | 9:24 | 9:28 | 9:32 | 9:37 | 9:41 | 9:45 | 9:50 |
| EC | 1540 | 1570 | 1560 | 1560 | 1570 | 1590 | 1570 |
| pH | 6.14 | 6.17 | 6.16 | 6.16 | 6.4 | 6.13 | 6.11 |
| Temp | 21.4 | 21.2 | 21.2 | 20.8 | 20.8 | 20.6 | 20.4 |
| Gal. | 4 | 8 | 12 | 17 | 21 | 25 | 30 |
| Time | | | | | | | |
| EC | | | | | | | |
| pH | | | | | | | |
| Temp | | | | | | | |
| Gal. | | | | | | | |

| | | | |
|---|-------|-----------------------|-------|
| After Purging/Before Sample Collection | | | |
| Depth to Water (ft.) | 17.10 | Total Well Depth(ft.) | 26.28 |

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

| | | | |
|------------|----------------|----------|------------------|
| Site: | <u># 063</u> | Date: | <u>07-16-01</u> |
| Address: | | | |
| Personnel: | <u>DEBORAH</u> | Weather: | <u>SUNNY DAY</u> |
| Well No: | <u>MW 6</u> | Equip: | <u>BALCOF</u> |

| | | | |
|-------------------------|--------------|--------------------|-----------|
| Before Purging: | | | |
| Total Well Depth: (ft.) | <u>26.87</u> | Well Diameter | <u>44</u> |
| Depth to Water (ft) | <u>13.09</u> | Est. Purge Volume: | <u>36</u> |

| | | | | | | | |
|---------------------------|-------------|-------------|-------------|-------------------------|-------------|-------------|-------------|
| Sampling Data: | | | | | | | |
| Initial Turbidity: | | | | Final Turbidity: | | | |
| Time | <u>8:24</u> | <u>8:34</u> | <u>8:39</u> | <u>8:44</u> | <u>8:49</u> | <u>8:54</u> | <u>9:00</u> |
| EC | <u>1950</u> | <u>1950</u> | <u>1930</u> | <u>1950</u> | <u>1970</u> | <u>1970</u> | <u>1970</u> |
| pH | <u>6.16</u> | <u>6.18</u> | <u>6.17</u> | <u>6.16</u> | <u>6.17</u> | <u>6.19</u> | <u>6.16</u> |
| Temp | <u>71.4</u> | <u>71.3</u> | <u>71.2</u> | <u>70.4</u> | <u>70.7</u> | <u>70.7</u> | <u>70.6</u> |
| Gal. | <u>5</u> | <u>10</u> | <u>15</u> | <u>20</u> | <u>25</u> | <u>30</u> | <u>36</u> |
| Time | | | | | | | |
| EC | | | | | | | |
| pH | | | | | | | |
| Temp | | | | | | | |
| Gal. | | | | | | | |

| | |
|---|---|
| After Purging/Before Sample Collection | |
| Depth to Water (ft.) | <u>16.20</u> Total Well Depth(ft). <u>26.87</u> |

APPENDIX B



ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Thrifty Oil (8871)
ATTN: Jeff Suryakusuma
13539 E. Foster Rd.
Santa Fe Springs, CA 90670

LAB REQUEST 76566

REPORTED 07/31/2001

RECEIVED 07/19/2001

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

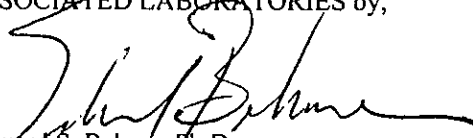
COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| <u>Order No.</u> | <u>Client Sample Identification</u> |
|------------------|-------------------------------------|
| 279899 | TOC #063, MW6 |
| 279900 | TOC #063, MW1 |
| 279901 | TOC #063, MW5 |
| 279902 | TOC #063, MW4 |
| 279903 | TOC #063, Trip Blank |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,


Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 279899**Client Sample ID** TOC #063, MW6**Matrix:** WATER**Date Sampled:** 07/16/2001 **Time Sampled:** 12:00

| Analyte | Result | DF | PQL | MDL | Units | Date/Analyst |
|------------------------|--------|----|-----|------|-------|--------------|
| 8021B BTEX | | | | | | |
| Benzene | ND | 1 | 0.3 | 0.18 | ug/L | 07/23/01 HP |
| Ethyl benzene | ND | 1 | 0.3 | 0.18 | ug/L | 07/23/01 HP |
| Methyl t - butyl ether | ND | 1 | 5 | 0.24 | ug/L | 07/23/01 HP |
| Toluene | ND | 1 | 0.3 | 0.14 | ug/L | 07/23/01 HP |
| Xylene (total) | ND | 1 | 0.6 | 0.26 | ug/L | 07/23/01 HP |

8015M - Total Petroleum Hydrocarbons

| | | | | | | |
|----------|----|---|----|----|------|-------------|
| Gasoline | ND | 1 | 50 | 50 | ug/L | 07/23/01 HP |
|----------|----|---|----|----|------|-------------|

Order #: 279900**Client Sample ID** TOC #063, MW1**Matrix:** WATER**Date Sampled:** 07/16/2001 **Time Sampled:** 12:10

| Analyte | Result | DF | PQL | MDL | Units | Date/Analyst |
|------------------------|--------|----|-----|------|-------|--------------|
| 8021B BTEX | | | | | | |
| Benzene | ND | 1 | 0.3 | 0.18 | ug/L | 07/23/01 HP |
| Ethyl benzene | ND | 1 | 0.3 | 0.18 | ug/L | 07/23/01 HP |
| Methyl t - butyl ether | ND | 1 | 5 | 0.24 | ug/L | 07/23/01 HP |
| Toluene | ND | 1 | 0.3 | 0.14 | ug/L | 07/23/01 HP |
| Xylene (total) | ND | 1 | 0.6 | 0.26 | ug/L | 07/23/01 HP |

8015M - Total Petroleum Hydrocarbons

| | | | | | | |
|----------|----|---|----|----|------|-------------|
| Gasoline | ND | 1 | 50 | 50 | ug/L | 07/23/01 HP |
|----------|----|---|----|----|------|-------------|

Order #: 279901**Client Sample ID** TOC #063, MW5**Matrix:** WATER**Date Sampled:** 07/16/2001 **Time Sampled:** 12:20

| Analyte | Result | DF | PQL | MDL | Units | Date/Analyst |
|------------------------|--------|----|------|------|-------|--------------|
| 8021B BTEX | | | | | | |
| Benzene | 430 | 25 | 7.5 | 0.18 | ug/L | 07/23/01 HP |
| Ethyl benzene | 53 | 25 | 7.5 | 0.18 | ug/L | 07/23/01 HP |
| Methyl t - butyl ether | 41 | 1 | 5.0 | 0.24 | ug/L | 07/23/01 HP |
| Toluene | 603 | 25 | 7.5 | 0.14 | ug/L | 07/23/01 HP |
| Xylene (total) | 429 | 25 | 15.0 | 0.26 | ug/L | 07/23/01 HP |

8260B BTEX/MTBE Only

| | | | | | | |
|-------------------------------|-----|---|---|-----|------|-------------|
| Methyl-tert-butylether (MTBE) | 4.2 | 1 | 1 | 0.6 | ug/L | 07/27/01 MB |
|-------------------------------|-----|---|---|-----|------|-------------|

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



8015M - Total Petroleum Hydrocarbons

| | | | | | | | |
|----------|-------|---|----|----|------|----------|----|
| Gasoline | 3,360 | 1 | 50 | 50 | ug/L | 07/23/01 | HP |
|----------|-------|---|----|----|------|----------|----|

Order #: 279902

Client Sample ID TOC #063, MW4

Matrix: WATER

Date Sampled: 07/16/2001 Time Sampled: 12:30

| Analyte | Result | DF | PQL | MDL | Units | Date/Analyst |
|---------|--------|----|-----|-----|-------|--------------|
|---------|--------|----|-----|-----|-------|--------------|

8021B BTEX

| | | | | | | | |
|------------------------|--------|------|-------|------|------|----------|----|
| Benzene | 9,440 | 1000 | 300.0 | 0.18 | ug/L | 07/23/01 | HP |
| Ethyl benzene | 514 | 50 | 15.0 | 0.18 | ug/L | 07/23/01 | HP |
| Methyl t - butyl ether | 1,330 | 50 | 250.0 | 0.24 | ug/L | 07/23/01 | HP |
| Toluene | 12,600 | 1000 | 300.0 | 0.14 | ug/L | 07/23/01 | HP |
| Xylene (total) | 8,980 | 1000 | 600.0 | 0.26 | ug/L | 07/23/01 | HP |

8260B BTEX/MTBE Only

| | | | | | | | |
|-------------------------------|-----|-----|-------|-----|------|----------|----|
| Methyl-tert-butylether (MTBE) | 389 | 100 | 100.0 | 0.6 | ug/L | 07/27/01 | MB |
|-------------------------------|-----|-----|-------|-----|------|----------|----|

8015M - Total Petroleum Hydrocarbons

| | | | | | | | |
|----------|--------|----|--------|----|------|----------|----|
| Gasoline | 71,700 | 50 | 2500.0 | 50 | ug/L | 07/23/01 | HP |
|----------|--------|----|--------|----|------|----------|----|

Order #: 279903

Client Sample ID TOC #063, Trip Blank

Matrix: WATER

Date Sampled: 07/16/2001 Time Sampled: 12:00

| Analyte | Result | DF | PQL | MDL | Units | Date/Analyst |
|---------|--------|----|-----|-----|-------|--------------|
|---------|--------|----|-----|-----|-------|--------------|

8021B BTEX

| | | | | | | | |
|----------------|----|---|-----|------|------|----------|----|
| Benzene | ND | 1 | 0.3 | 0.18 | ug/L | 07/23/01 | HP |
| Ethyl benzene | ND | 1 | 0.3 | 0.18 | ug/L | 07/23/01 | HP |
| Toluene | ND | 1 | 0.3 | 0.14 | ug/L | 07/23/01 | HP |
| Xylene (total) | ND | 1 | 0.6 | 0.26 | ug/L | 07/23/01 | HP |

8015M - Total Petroleum Hydrocarbons

| | | | | | | | |
|----------|----|---|----|----|------|----------|----|
| Gasoline | ND | 1 | 50 | 50 | ug/L | 07/23/01 | HP |
|----------|----|---|----|----|------|----------|----|

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



ASSOCIATED LABORATORIES LAB REQUEST RESULTS SUMMARY

Client: Thrifty Oil
Jeff Suryakusuma
13539 E. Foster Rd.
Santa Fe Springs, CA 90670

Lab Request: 76566
Date Received: 7/19/2001
Print Date: 07/31/2001

Project: Station #063
6125 Telegraph Ave., Oakland

Objectives: Confirm MTBE by 8260.

| Sample ID. | Gasoline | MTBE | MTBE by EPA8260 |
|----------------------|-------------|------------|-----------------|
| TOC #063, MW1 | ND | ND | |
| TOC #063, MW4 | 71.700 ug/L | 1,330 ug/L | 389 ug/L |
| TOC #063, MW5 | 3.360 ug/L | 41 ug/L | 4.2 ug/L |
| TOC #063, MW6 | ND | ND | |
| TOC #063, Trip Blank | ND | | |

ND = Not Detected
Blank Field = Component not analyzed by this method.

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LCS / LCSD water samples

Method : 8260

Analysis Date: 07/27/01

Applies to: LR 76669, 76566

REPORTING UNITS = ug/L

Lab Controlled Spike / Lab Controlled Spike Duplicate

| Test | Sample Result | Spike Added | LCS Spike | LCS Spk. Dup | %Rec LCS | %Rec LCS D | % RPD | QC Limits | |
|--------------------|---------------|-------------|-----------|--------------|----------|------------|-------|-----------|--------|
| | | | | | | | | RPD | %REC |
| 1,1-Dichloroethene | ND | 50.0 | 35.04 | 33.20 | 70 | 66 | 5 | 22 | 59-172 |
| MTBE | ND | 50.0 | 41.52 | 40.88 | 83 | 82 | 2 | 24 | 62-137 |
| Benzene | ND | 50.0 | 35.60 | 36.54 | 71 | 73 | 3 | 24 | 62-137 |
| Trichloroethene | ND | 50.0 | 32.89 | 35.23 | 66 | 70 | 7 | 21 | 66-142 |
| Toluene | ND | 50.0 | 34.76 | 36.79 | 70 | 74 | 6 | 21 | 59-139 |
| Chlorobenzene | ND | 50.0 | 35.89 | 37.06 | 72 | 74 | 3 | 21 | 60-133 |

ND Not Detected

RPD Relative Percent Difference of LCS and LCS Dup.

%REC-MS & MSD Percent Recovery of LCS & LCS Dup.

Method Blank = All ND

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 76566-900

Matrix: WATER

Prep. Date: 07/22/01

Analysis Date: 07/22/01-07/23/01

ID#'s in Batch: LR 76566, 76567, 76693

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = ug/L

| Test | Method | Sample Result | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|------|---------|---------------|-------------|--------------|------------------|---------|----------|-----|
| TPH | 8015M-G | ND | 200 | 222 | 236 | 111.0 | 118.0 | 6.1 |

ND = Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

| |
|------------------------|
| %REC LIMITS = 70 - 130 |
| RPD LIMITS = 30 |

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

| Test | Method | PREP BLK | LCS | | | | |
|------|---------|----------|--------|------|------|---------|---------|
| | | Value | Result | True | %Rec | L.Limit | H.Limit |
| TPH | 8015M-G | U | 168 | 200 | 84.0 | 80% | 120% |

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 76561-880
 Matrix: WATER
 Prep. Date: 07/22/01
 Analysis Date: 07/22/01-07/23/01
 LAB ID#'s in Batch: LR 76553, 76561, 76566, 76567

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = ug/L

| Test | Method | Sample Result | Spike Added | Matrix Spike | Matrix Spk. Dup | %Rec MS | %Rec MSD | RPD |
|--------------|--------|---------------|-------------|--------------|-----------------|---------|----------|-----|
| Benzene | 8021 | ND | 10.0 | 10.94 | 10.30 | 109 | 103 | 6 |
| Toluene | 8021 | ND | 10.0 | 11.35 | 10.57 | 114 | 106 | 7 |
| Ethylbenzene | 8021 | ND | 10.0 | 12.16 | 11.52 | 122 | 115 | 5 |
| Xylenes | 8021 | ND | 20.0 | 24.29 | 22.31 | 121 | 112 | 8 |

ND = Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

| |
|------------------------|
| %REC LIMITS = 70 - 130 |
| RPD LIMITS = 30 |

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

| Test | Method | PREP. BLK | LCS | | | | |
|--------------|--------|-----------|--------|------|------|---------|---------|
| | | Value | Result | True | %Rec | L.Limit | H.Limit |
| Benzene | 8021 | ND | 8.95 | 10.0 | 90 | 80% | 120% |
| Toluene | 8021 | ND | 10.24 | 10.0 | 102 | 80% | 120% |
| Ethylbenzene | 8021 | ND | 11.31 | 10.0 | 113 | 80% | 120% |
| Xylenes | 8021 | ND | 21.38 | 20.0 | 107 | 80% | 120% |

LCS = Lab Control Sample Result

TRUE = True Value of LCS



Chain of Custody Record

| | | | | | | | | | | | | | | | | | | | | | |
|---|------------|----------|-------|------------------|-----------------------|---------|---|---|---|---|--|--|--|---|--|--|--|--|--|------------------------------------|--|
| Company THRIFTY OIL CO Phone (562) 921-3581 | | | | | | | A.L. Job No. 76566 Page _____ of _____ | | | | | | | | | | | | | | |
| Project Manager JEFF SURYAKOSUMIT Fax (562) 921-7510 | | | | | | | Analysis Requested | | | | | | | Test Instructions & Comments | | | | | | | |
| Project Name R. W. S. Project # 063 | | | | | | | | | | | | | | | | | | | | | |
| Site Name and Address 6125 TELEGRAPH AVE OAKLAND CA. 94609 | | | | | | | T | B | * | | | | | | | | | | | | |
| Sample ID | Lab ID | Date | Time | Matrix | Container Number/Size | Pres. | H | X | E | B | | | | | | | | | | | |
| 1 | MW 6 | 07.16.01 | 12:00 | H ₂ O | 3 VIALS | HCL | X | X | X | | | | | | | | | | | *CONFIRMED BY EPA METHOD 8260B. | |
| 2 | MW 1 | ↓ | 12:00 | ↑ | | | X | X | X | | | | | | | | | | | | |
| 3 | MW 5 | | 12:00 | | | X | X | X | | | | | | | | | | | | | |
| 4 | MW 4 | | 12:00 | | | X | X | X | | | | | | | | | | | | | |
| 5 | TRIP BLANK | | 12:00 | | | 2 VIALS | | | X | X | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | |
|--|-------------------------------|-----------------------------------|----------------------------------|---|---|--|---|--------------------------------------|-------|
| Sample Receipt - To Be Filled By Laboratory | | | | Relinquished by Sampler: 1. Signature: <i>[Signature]</i> | | Relinquished by: 2. Signature: FED EX | | Relinquished by: 3. Signature: _____ | |
| Total Number of Containers | 14 | Property Cooled Y/N/NA | Y | Printed Name: | SARAH POPECH | | Printed Name: | _____ | |
| Custody Seals Y/N/NA | Y | Samples Intact Y/N/NA | Y | Date: | 07.18.01 | Time: | 16:00 | Date: | _____ |
| Received in Good Condition Y/N | Y | Samples Accepted Y/N | Y | Received By: 1. Signature: FED EX | Received By: 2. Signature: <i>[Signature]</i> | | Received By: 3. Signature: <i>[Signature]</i> | | |
| Turn Around Time | | | | Printed Name: | DUONG VU | | Printed Name: | _____ | |
| <input checked="" type="checkbox"/> Normal | <input type="checkbox"/> Rush | <input type="checkbox"/> Same Day | <input type="checkbox"/> 48 hrs. | Date: | 7/19 | Time: | 1040 | Date: | 7-20 |
| | | <input type="checkbox"/> 24 hrs. | <input type="checkbox"/> 72 hrs. | Time: | | | | Time: | 12:10 |

APPENDIX C

THRIFTY OIL CO. SERVICE STATION #63

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 09.24.01

OBSERVATIONS AND COMMENTS: Hold oil, clean water filter bag, re-
place cartridge water filter, check belt,

FLOW METER READING: 0451240

SAMPLES OBTAINED: N/A


PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.0

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.9

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.8

INSPECTOR'S SIGNATURE: 

THRIFTY OIL CO. SERVICE STATION #63

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 09.17.01

OBSERVATIONS AND COMMENTS: Add oil, check belt, hoses, replace cartridge water filter;

FLOW METER READING: 0442040

SAMPLES OBTAINED: Nil

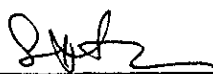
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.2

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.9

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.6

INSPECTOR'S SIGNATURE: 

THRIFTY OIL CO. SERVICE STATION #63

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 09.10.01

OBSERVATIONS AND COMMENTS: Add oil, check belt, hoses connection
replace cartridge water filter

FLOW METER READING: 0439460

SAMPLES OBTAINED: N/A

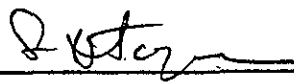
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 10

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.1

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.9

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.7

INSPECTOR'S SIGNATURE: 

THRIFTY OIL CO. SERVICE STATION #63

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 09.05.01

OBSERVATIONS AND COMMENTS: Add oil, replace cartridge water filter, check belt, hoses connections,

FLOW METER READING: 043.3830

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 12

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.0

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.9

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.8

INSPECTOR'S SIGNATURE: 

THRIFTY OIL CO. SERVICE STATION #

63

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 08.22.01

OBSERVATIONS AND COMMENTS: INSPECTOR FROM EBMUD CAME FOR TAKE WATER SAMPLING FROM OUTLET.

FLOW METER READING: 0415420 (#10345843)

SAMPLES OBTAINED: yes 2 VOA WAS TAKE BY INSPECTOR

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: ✓

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: ✓

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: ✓

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: ✓

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: ✓

INSPECTOR'S SIGNATURE: [Signature]

THRIFTY OIL CO. SERVICE STATION #63

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 08.20.01

OBSERVATIONS AND COMMENTS: Add oil, check hoses, belt, replace cartridge for water filter, clean water bag filter

FLOW METER READING: 040.9870

SAMPLES OBTAINED: NA

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 12

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.0

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.9

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.8

INSPECTOR'S SIGNATURE: [Signature]

THRIFTY OIL CO. SERVICE STATION #63
6125 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA
GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 08.13.01

OBSERVATIONS AND COMMENTS: Add oil, replace cartridge water filter
check belt, hoses connection

FLOW METER READING: 0399700

SAMPLES OBTAINED: N/A


PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 12

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.1

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.0

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.8

INSPECTOR'S SIGNATURE: 

THRIFTY OIL CO. SERVICE STATION #63

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: JERBAH POPESU

DATE OF INSPECTION: 08.06.01

OBSERVATIONS AND COMMENTS: check oil, hoses connection, replace cartridge water filter,

FLOW METER READING: 0340230

SAMPLES OBTAINED: HA


PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.0

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.9

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.7

INSPECTOR'S SIGNATURE: 

063

THRIFTY OIL CO. SERVICE STATION #63
6125 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA
GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 07.30.01

OBSERVATIONS AND COMMENTS: Add oil, check belt, hoses, clean water filter bag,

FLOW METER READING: 0332330

SAMPLES OBTAINED: N/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.0

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.0

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.8

INSPECTOR'S SIGNATURE: [Signature]

THRIFTY OIL CO. SERVICE STATION #63

GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 07-23-01

OBSERVATIONS AND COMMENTS: System was shut down because electric
city was interrupted for 30' in 07-19-01 and the compressor
don't restart again

FLOW METER READING: 0348900

SAMPLES OBTAINED: HA

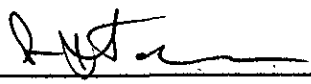
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 12

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.0

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 0.9

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.7

INSPECTOR'S SIGNATURE: 

THRIFTY OIL CO. SERVICE STATION #63
6125 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA
GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: BERNARD POPESCU

DATE OF INSPECTION: 07-16-01

OBSERVATIONS AND
COMMENTS: check oil, replace cartridge water filter
check belt and hoses connections

FLOW METER READING: 0294550

SAMPLES OBTAINED: NONE

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 12

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.1

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.0

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.9

INSPECTOR'S SIGNATURE: [Signature]

063



DATE: 07.13.01

START UP / SHUT DOWN REPORT
STATION # 063
SYSTEM TYPE : G.W.

START UP REPORT:

SHUT DOWN REPORT:

Shut down system for Q.W.S -

SIGNATURE: *[Signature]*

THRIFTY OIL CO. SERVICE STATION #63
6125 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA
GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: BERNARD POPPESCU

DATE OF INSPECTION: 07.09.01

OBSERVATIONS AND COMMENTS: Add oil, check belt, clean water filter bag, replace cartridge water filter

FLOW METER READING: 0278760

SAMPLES OBTAINED: yes

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 12

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.2

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.1

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.9

INSPECTOR'S SIGNATURE: [Signature]

063

THRIFTY OIL CO. SERVICE STATION #63
6125 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA
GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 07.02.01

OBSERVATIONS AND COMMENTS: System was shut down because electric problem

FLOW METER READING: 0275120

SAMPLES OBTAINED: H/A

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: _____

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: _____

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: _____

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: _____

INSPECTOR'S SIGNATURE: [Signature]

063

THRIFTY OIL CO. SERVICE STATION #63
6125 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA
GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN POPESCU

DATE OF INSPECTION: 06.25.01

OBSERVATIONS AND COMMENTS: check oil, belt, replace cartridge water filter

FLOW METER READING: 0266720

SAMPLES OBTAINED: N/A


PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 12

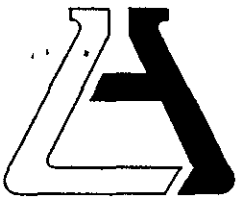
PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.1

PRESSURE GAUGE READING DOWN STREAM OF THE SECONDARY GAC UNIT: 1.0

PRESSURE GAUGE READING DOWN STREAM OF THE THIRD GAC UNIT: 0.8

INSPECTOR'S SIGNATURE: 

APPENDIX D



ASSOCIATED LABORATORIES

806 North Batavia - Orange, California 92868 - 714/771-6900

FAX 714/538-1209

CLIENT Thrifty Oil (8871)
ATTN: Jeff Suryakusuma
13539 E. Foster Rd.
Santa Fe Springs, CA 90670

LAB REQUEST 76153

REPORTED 07/17/2001

RECEIVED 07/12/2001

PROJECT Station #063

SUBMITTER Client

COMMENTS

This laboratory request covers the following listed samples which were analyzed for the parameters indicated on the attached Analytical Result Report. All analyses were conducted using the appropriate methods as indicated on the report. This cover letter is an integral part of the final report.

| <u>Order No.</u> | <u>Client Sample Identification</u> |
|------------------|-------------------------------------|
| 278284 | TOC #063, SS#1 Outlet |
| 278285 | TOC #063, Int.1 |
| 278286 | TOC #063, Int.2 |
| 278287 | TOC #063, Int.3 |
| 278288 | TOC #063, Inlet |

Thank you for the opportunity to be of service to your company. Please feel free to call if there are any questions regarding this report or if we can be of further service.

ASSOCIATED LABORATORIES by,

Edward S. Behare, Ph.D.
Vice President

NOTE: Unless notified in writing, all samples will be discarded by appropriate disposal protocol 30 days from date reported.

The reports of the Associated Laboratories are confidential property of our clients and may not be reproduced or used for publication in part or in full without our written permission. This is for the mutual protection of the public, our clients, and ourselves.

TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 278284

Client Sample ID TOC #063, SS#1 Outlet

Matrix: WATER

Date Sampled: 07/09/2001 Time Sampled: 10:00

| Analyte | Result | DF | PQL | MDL | Units | Date/Analyst |
|---------|--------|----|-----|-----|-------|--------------|
|---------|--------|----|-----|-----|-------|--------------|

8021B BTEX + MTBE

| | | | | | | |
|------------------------|----|---|-----|------|------|-------------|
| Benzene | ND | 1 | 0.3 | 0.18 | ug/L | 07/14/01 HP |
| Ethyl benzene | ND | 1 | 0.3 | 0.18 | ug/L | 07/14/01 HP |
| Methyl t - butyl ether | ND | 1 | 5 | 0.24 | ug/L | 07/14/01 HP |
| Toluene | ND | 1 | 0.3 | 0.14 | ug/L | 07/14/01 HP |
| Xylene (total) | ND | 1 | 0.6 | 0.26 | ug/L | 07/14/01 HP |

8015M - Total Petroleum Hydrocarbons

| | | | | | | |
|----------|----|---|----|----|------|-------------|
| Gasoline | ND | 1 | 50 | 50 | ug/L | 07/14/01 HP |
|----------|----|---|----|----|------|-------------|

Order #: 278285

Client Sample ID TOC #063, Int.1

Matrix: WATER

Date Sampled: 07/09/2001 Time Sampled: 10:10

| Analyte | Result | DF | PQL | MDL | Units | Date/Analyst |
|---------|--------|----|-----|-----|-------|--------------|
|---------|--------|----|-----|-----|-------|--------------|

8021B BTEX + MTBE

| | | | | | | |
|------------------------|----|---|-----|------|------|-------------|
| Benzene | ND | 1 | 0.3 | 0.18 | ug/L | 07/14/01 HP |
| Ethyl benzene | ND | 1 | 0.3 | 0.18 | ug/L | 07/14/01 HP |
| Methyl t - butyl ether | ND | 1 | 5 | 0.24 | ug/L | 07/14/01 HP |
| Toluene | ND | 1 | 0.3 | 0.14 | ug/L | 07/14/01 HP |
| Xylene (total) | ND | 1 | 0.6 | 0.26 | ug/L | 07/14/01 HP |

8015M - Total Petroleum Hydrocarbons

| | | | | | | |
|----------|----|---|----|----|------|-------------|
| Gasoline | ND | 1 | 50 | 50 | ug/L | 07/14/01 HP |
|----------|----|---|----|----|------|-------------|

Order #: 278286

Client Sample ID TOC #063, Int.2

Matrix: WATER

Date Sampled: 07/09/2001 Time Sampled: 10:20

| Analyte | Result | DF | PQL | MDL | Units | Date/Analyst |
|---------|--------|----|-----|-----|-------|--------------|
|---------|--------|----|-----|-----|-------|--------------|

8021B BTEX + MTBE

| | | | | | | |
|------------------------|-----|---|------|------|------|-------------|
| Benzene | 3.5 | 1 | 0.3 | 0.18 | ug/L | 07/14/01 HP |
| Ethyl benzene | ND | 1 | 0.3 | 0.18 | ug/L | 07/14/01 HP |
| Methyl t - butyl ether | 303 | 5 | 25.0 | 0.24 | ug/L | 07/14/01 HP |
| Toluene | ND | 1 | 0.3 | 0.14 | ug/L | 07/14/01 HP |
| Xylene (total) | 1.0 | 1 | 0.6 | 0.26 | ug/L | 07/14/01 HP |

8015M - Total Petroleum Hydrocarbons

| | | | | | | |
|----------|-----|---|----|----|------|-------------|
| Gasoline | 167 | 1 | 50 | 50 | ug/L | 07/14/01 HP |
|----------|-----|---|----|----|------|-------------|

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor

ND = Not detected below indicated MDL, J=Trace



Order #: 278287

Client Sample ID TOC #063, Int.3

Matrix: WATER

Date Sampled: 07/09/2001 Time Sampled: 10:30

| Analyte | Result | DF | PQL | MDL | Units | Date/Analyst |
|---------|--------|----|-----|-----|-------|--------------|
|---------|--------|----|-----|-----|-------|--------------|

8021B BTEX + MTBE

| | | | | | | |
|------------------------|--------|-----|--------|------|------|-------------|
| Benzene | 269 | 10 | 3.0 | 0.18 | ug/L | 07/14/01 HP |
| Ethyl benzene | 63 | 1 | 0.3 | 0.18 | ug/L | 07/14/01 HP |
| Methyl t - butyl ether | 11,700 | 200 | 1000.0 | 0.24 | ug/L | 07/14/01 HP |
| Toluene | 4.2 | 1 | 0.3 | 0.14 | ug/L | 07/14/01 HP |
| Xylene (total) | 31 | 1 | 0.6 | 0.26 | ug/L | 07/14/01 HP |

8015M - Total Petroleum Hydrocarbons

| | | | | | | |
|----------|-------|----|-------|----|------|-------------|
| Gasoline | 6,080 | 10 | 500.0 | 50 | ug/L | 07/14/01 HP |
|----------|-------|----|-------|----|------|-------------|

Order #: 278288

Client Sample ID TOC #063, Inlet

Matrix: WATER

Date Sampled: 07/09/2001 Time Sampled: 10:40

| Analyte | Result | DF | PQL | MDL | Units | Date/Analyst |
|---------|--------|----|-----|-----|-------|--------------|
|---------|--------|----|-----|-----|-------|--------------|

8021B BTEX + MTBE

| | | | | | | |
|------------------------|-------|----|-------|------|------|-------------|
| Benzene | 15 | 1 | 0.3 | 0.18 | ug/L | 07/14/01 HP |
| Ethyl benzene | 2.0 | 1 | 0.3 | 0.18 | ug/L | 07/14/01 HP |
| Methyl t - butyl ether | 1,440 | 25 | 125.0 | 0.24 | ug/L | 07/14/01 HP |
| Toluene | ND | 1 | 0.3 | 0.14 | ug/L | 07/14/01 HP |
| Xylene (total) | 2.7 | 1 | 0.6 | 0.26 | ug/L | 07/14/01 HP |

8015M - Total Petroleum Hydrocarbons

| | | | | | | |
|----------|-----|---|----|----|------|-------------|
| Gasoline | 748 | 1 | 50 | 50 | ug/L | 07/14/01 HP |
|----------|-----|---|----|----|------|-------------|

PQL = Practical Quantitation Limit, MDL = Method detection limit, DF = Dilution Factor
 ND = Not detected below indicated MDL, J=Trace



ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 76122-165

Matrix: WATER

Prep. Date: 07/13/01

Analysis Date: 07/13/01-07/14/01

ID#'s in Batch: LR 76122, 76123, 75998, 76239, 76153, 76154

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

Reporting Units = ug/L

| Test | Method | Sample Result | Spike Added | Matrix Spike | Matrix Spike Dup | %Rec MS | %Rec MSD | RPD |
|-----------|---------|---------------|-------------|--------------|------------------|---------|----------|-----|
| TPH | 8015M-G | ND | 200 | 182.8 | 185.1 | 91.4 | 92.6 | 1.3 |
| Surrogate | 8015 | ND | 20 | 22.3 | 22.2 | 111.5 | 111.0 | 0.4 |

ND = Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Duplicate

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

| |
|------------------------|
| %REC LIMITS = 70 - 130 |
|------------------------|

| |
|-----------------|
| RPD LIMITS = 30 |
|-----------------|

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

| Test | Method | PREP BL | LCS | | | | |
|-----------|---------|---------|--------|------|-------|---------|---------|
| | | Value | Result | True | %Rec | L.Limit | H.Limit |
| TPH | 8015M-G | ND | 190.1 | 200 | 95.1 | 80% | 120% |
| Surrogate | 8015 | 105 | 22.6 | 20 | 113.0 | 80% | 120% |

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 76154-289

Matrix: WATER

Prep. Date: 017/15/01

Analysis Date: 07/15/01-07/16/01

LAB ID#'s in Batch: LR 76239, 76153, 76154, 76194, 76193

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RESULT

REPORTING UNITS = ug/L

| Test | Method | Sample Result | Spike Added | Matrix Spike | Matrix Spk. Dup | %Rec MS | %Rec MSD | RPD |
|--------------|--------|---------------|-------------|--------------|-----------------|---------|----------|-----|
| Benzene | 8021 | ND | 10.0 | 10.20 | 9.90 | 102 | 99 | 3 |
| Toluene | 8021 | ND | 10.0 | 10.20 | 9.90 | 102 | 99 | 3 |
| Ethylbenzene | 8021 | ND | 10.0 | 11.20 | 11.00 | 112 | 110 | 2 |
| Xylenes | 8021 | ND | 20.0 | 21.20 | 20.70 | 106 | 104 | 2 |
| Surrogate | 8021 | ND | 20.0 | 20.20 | 20.10 | 101 | 101 | 0 |

ND = Not Detected

RPD = Relative Percent Difference of Matrix Spike and Matrix Spike Dup

%REC-MS & MSD = Percent Recovery of Matrix Spike & Matrix Spike Duplicate

| |
|------------------------|
| %REC LIMITS = 70 - 130 |
|------------------------|

| |
|-----------------|
| RPD LIMITS = 30 |
|-----------------|

PREPARATION BLANK / LAB CONTROL SAMPLE RESULTS

| Test | Method | PREP. BL | LCS | | | | |
|--------------|--------|----------|--------|------|------|---------|---------|
| | | Value | Result | True | %Rec | L.Limit | H.Limit |
| Benzene | 8021 | ND | 10.60 | 10.0 | 106 | 80% | 120% |
| Toluene | 8021 | ND | 10.60 | 10.0 | 106 | 80% | 120% |
| Ethylbenzene | 8021 | ND | 11.60 | 10.0 | 116 | 80% | 120% |
| Xylenes | 8021 | ND | 21.90 | 20.0 | 110 | 80% | 120% |
| Surrogate | 8021 | ND | 20.50 | 20.0 | 103 | 80% | 120% |

LCS = Lab Control Sample Result

TRUE = True Value of LCS



Chain of Custody Record

76153

| | | | |
|--|-----------------------------|---|---------------------|
| Company THRIFTY OIL CO. | Phone (562) 921-3581 | A.L. Job No. 76153 | Page _____ of _____ |
| Project Manager JEFF JURYAKOSUMPA | Fax (562) 921-7510 | Analysis Requested | |
| Project Name SYSTEM WATER SYSTEM | Project # 063 | | |
| Site Name and Address # 063 | | Test Instructions & Comments | |

| Sample ID | Lab ID | Date | Time | Matrix | Container Number/Size | Pres. | T | B | M | | | | |
|----------------------|--------|-----------------|--------------|-----------------------|-----------------------|------------|----------|----------|----------|--|--|--|--|
| | | | | | | | P | E | B | | | | |
| | | | | | | | H | X | R | | | | |
| 1 SSH1 OUTLET | | 07.09.01 | 10:00 | H₂O | 3 VIALS. | HCL | X | X | X | | | | |
| 2 INT. 1 | | ↑ | 10:10 | ↑ | ↑ | ↑ | X | X | X | | | | |
| 3 INT. 2 | | ↑ | 10:20 | ↑ | ↑ | ↑ | X | X | X | | | | |
| 4 INT. 3 | | ↑ | 10:30 | ↑ | ↑ | ↑ | X | X | X | | | | |
| 5 INLET | | ↓ | 10:40 | ↓ | ↓ | ↓ | X | X | X | | | | |
| 6 | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | |

| | | | | | | | | | |
|---|--|--|--|--|--|--------------------------------------|--|-------------------------------------|--|
| Sample Receipt - To Be Filled By Laboratory | | | | Relinquished by 1. | | Relinquished by 2. | | Relinquished by 3. | |
| Total Number of Containers 15 | | | | Signature: [Signature] | | Signature: FED. RXC | | Signature: | |
| Custody Seals Y/N/NA Y | | | | Printed Name: SARAH POPESCU | | Printed Name: | | Printed Name: | |
| Received in Good Condition Y/N Y | | | | Date: 07.11.01 Time: 15:10 | | Date: Time: | | Date: Time: | |
| Turn Around Time | | | | Received By 1. | | Received By 2. | | Received By 3. | |
| <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 48 hrs. | | | | Signature: [Signature] | | Signature: [Signature] | | Signature: | |
| <input type="checkbox"/> 24 hrs. <input type="checkbox"/> 72 hrs. | | | | Printed Name: [Name] | | Printed Name: DWANG VU | | Printed Name: | |
| | | | | Date: Time: | | Date: 7/12 Time: 11:20 | | Date: 7-13 Time: 5-45 | |