

THRIFTY OIL CO.

ENVIRONMENTAL
PROTECTION
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January 17, 2001

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ROOS

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

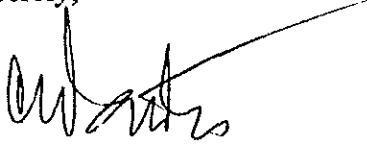
RE: **Thrifty Oil Co. Station #063**
6125 Telegraph Avenue
Oakland, CA 94609
4th Quarter 2000, Status Report

Dear Ms. Hugo:

Presented herewith is the Fourth Quarter 2000, 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.

January 16, 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**
6125 Telegraph Avenue
Oakland, CA
4th Quarter 2000, Status Report

Dear Ms. Hugo:

Presented herein is the Fourth Quarter 2000, 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 Fourth Quarter 2000. 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 occurs under water table conditions beneath the station at depths ranging from 9.08 feet below surface grade (bsg) in monitoring well MW-1 to 14.32 feet bsg in groundwater extraction well MW-3 on October 25, 2000 (**Appendix A**). A groundwater elevation contour map based on the October 25, 2000 data is presented in **Figure 2**. The groundwater is flowing radially toward the north from a groundwater mound near groundwater well MW-1, with a gradient ranging from approximately 0.04 feet/foot to 0.05 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 October 25, 2000. Well MW-3 was sampled on October 25, 2000 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 and analyzed for total petroleum hydrocarbons (TPH-g) EPA method 8015M modified for gasoline. Volatile aromatic compounds of benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tert-butyl ether (MTBE) were analyzed for by EPA methods 8021B and detected MTBE was confirmed by 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 (17,100 ug/L) and benzene (111 ug/L) were in monitoring well MW-3. The highest concentration of MTBE (3,040 ug/L; confirmed by EPA method 8260) was in monitoring well MW-4. The isoconcentration maps incorporate data from the treatment system influent, due to the fact 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 65,632 gallons of groundwater, and has treated approximately 897,429 gallons of groundwater since start up (through December 22, 2000). The groundwater system was operational throughout the third quarter. The system was shut down from December 22 through December 31, 2000, because the Thrifty technician was on vacation. The system will be restarted in January 2001.

Influent, intermediate, and effluent water samples were collected on October 25, 2000. 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 8021A. All laboratory results for effluent samples 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

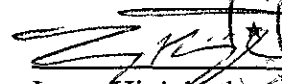
The groundwater monitoring wells, and the treatment unit, will be monitored and sampled for the next quarter. All site monitoring/sampling data generated during the next quarter will be reported in the First Quarter 2001 monitoring report.

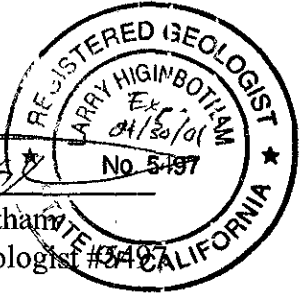
Interpretations expressed herein are based upon data collected by EMC.

Written by:

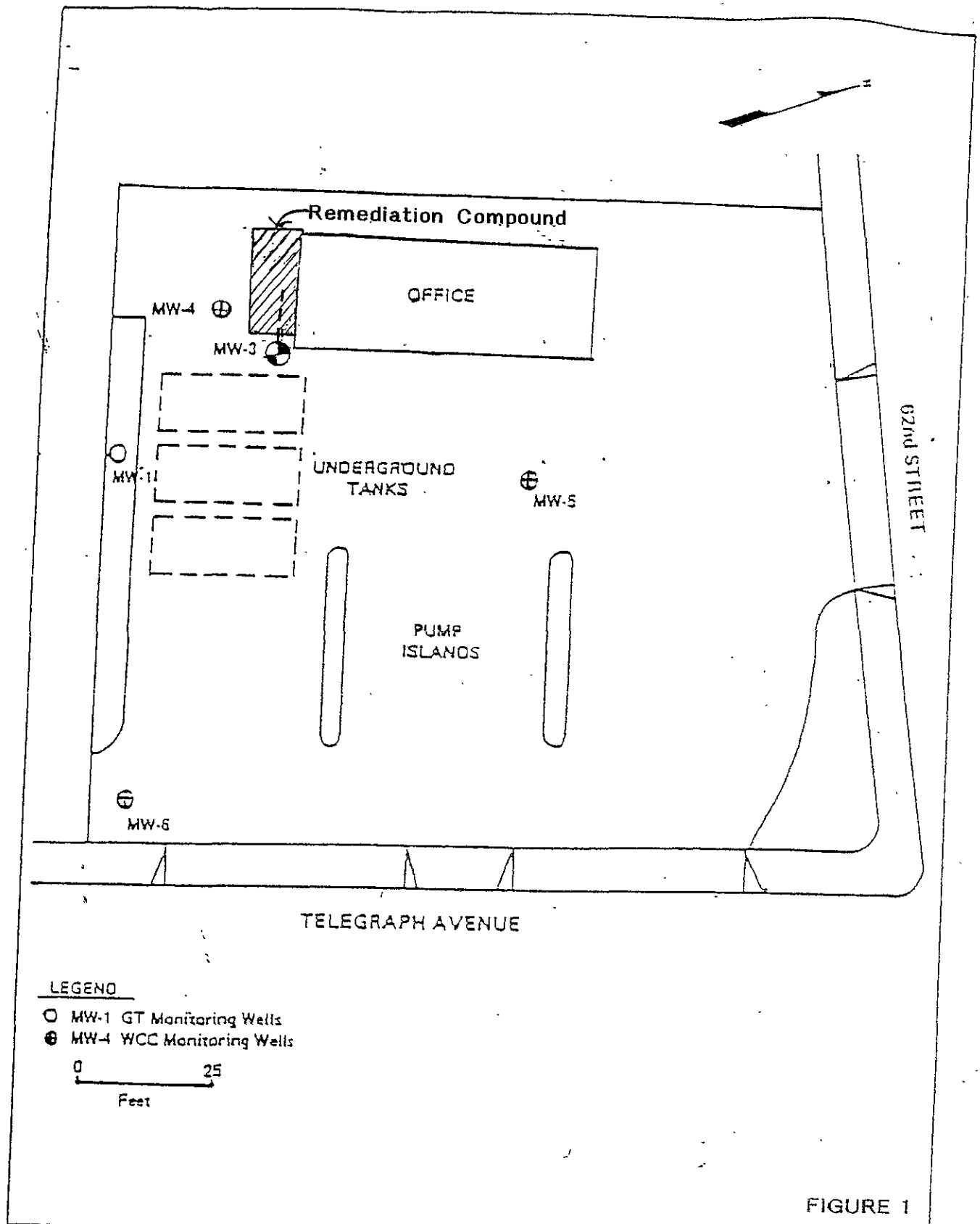
Reviewed by:


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

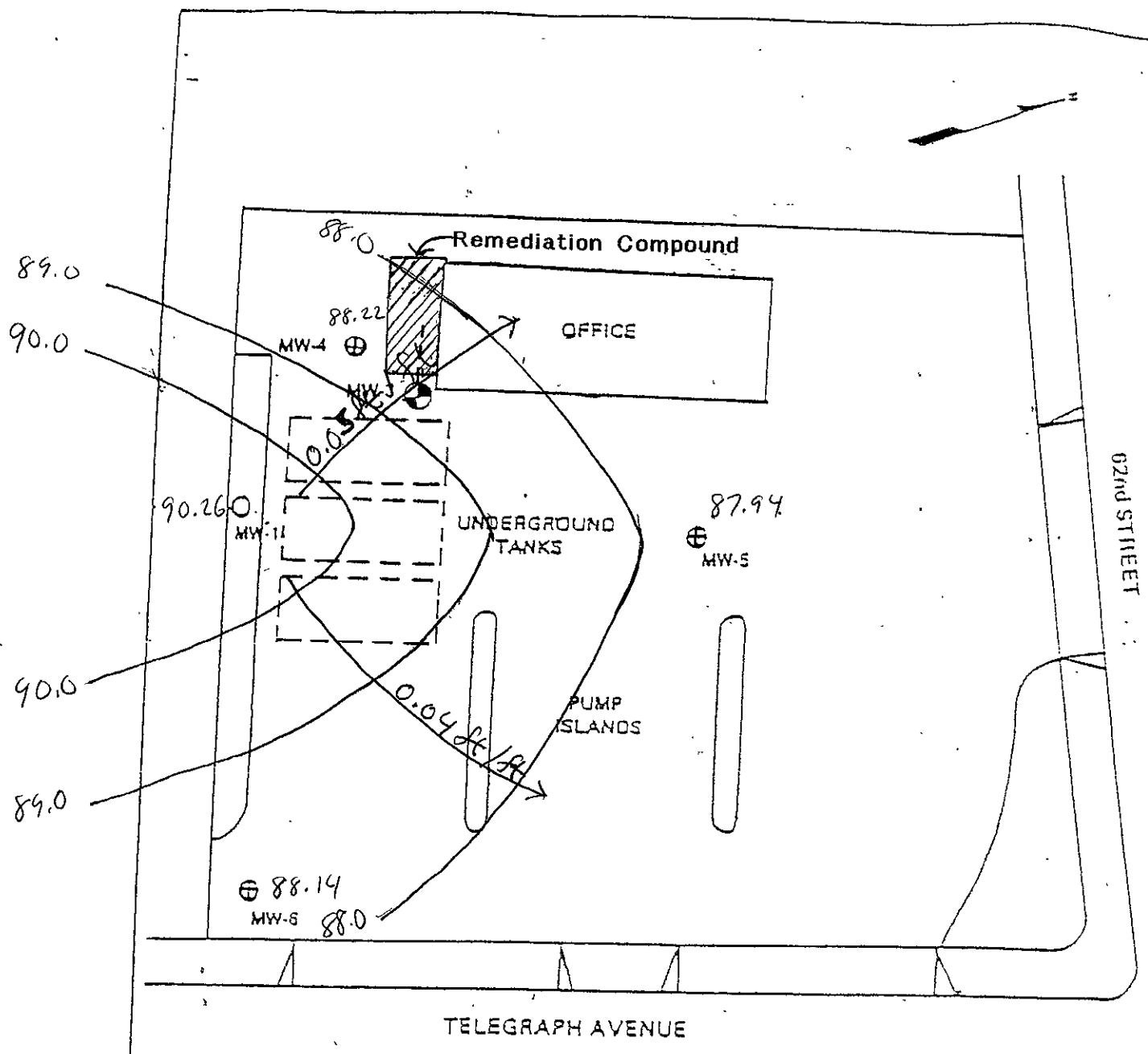

Larry Higinbotham
Registered Geologist #3497



FIGURES

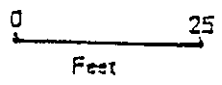


SITE PLAN AND RECOVERY SYSTEM
 THRIFTY SERVICE STATION NO. 63
 6125 TELEGRAPH AVE.
 OAKLAND, CA



LEGEND

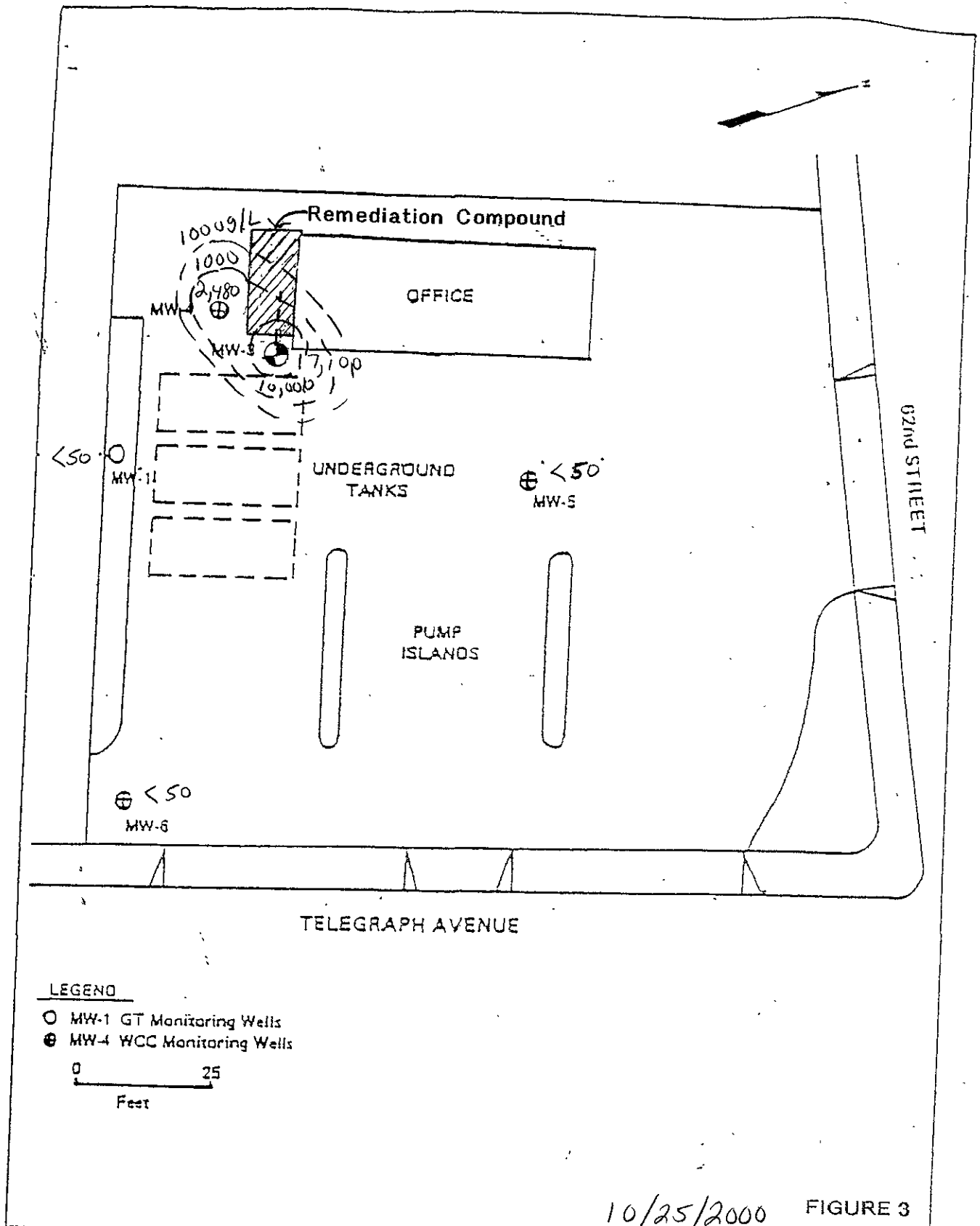
- MW-1 GT Monitoring Wells
- ⊕ MW-4 WCC Monitoring Wells



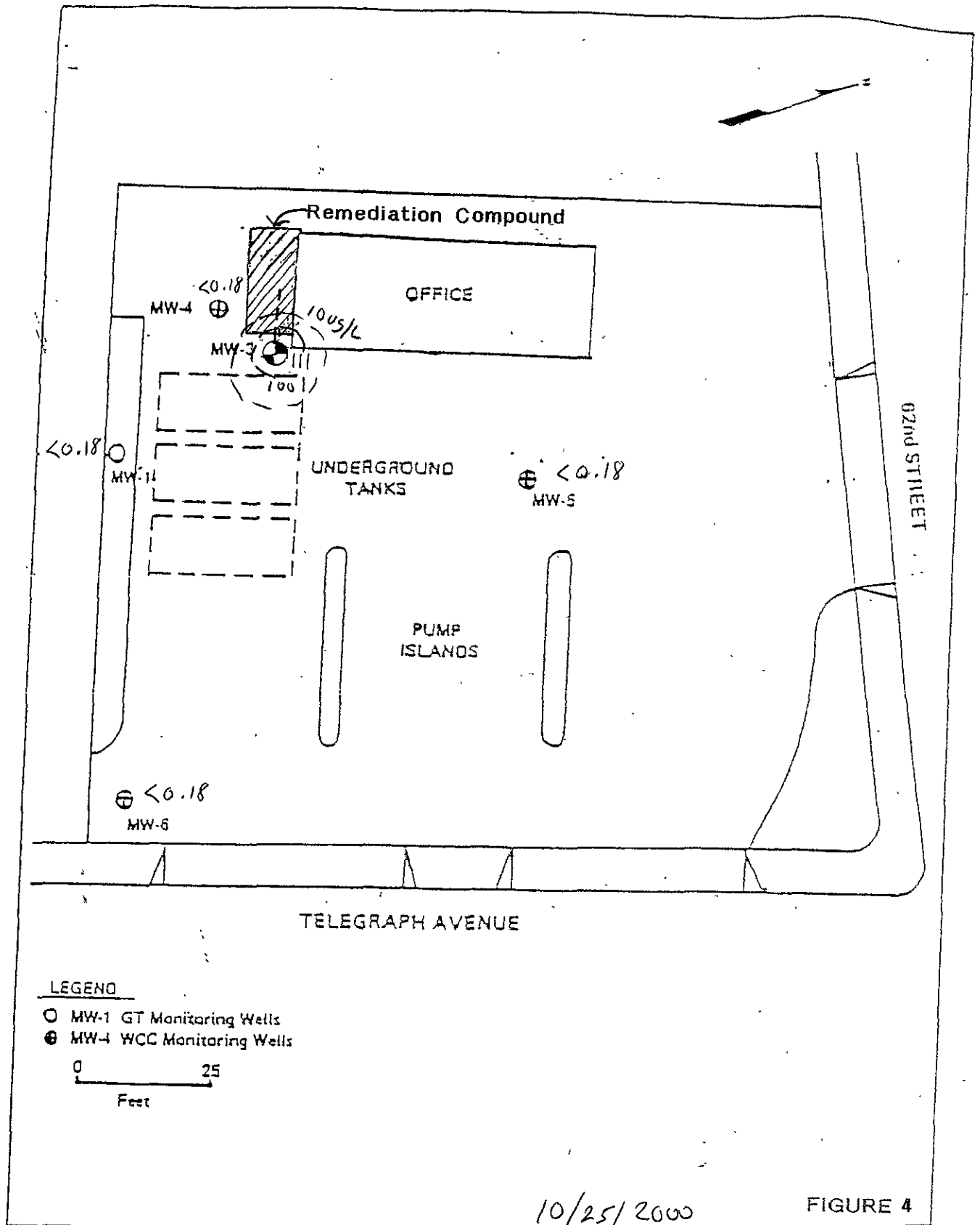
10/25/2000

FIGURE 2

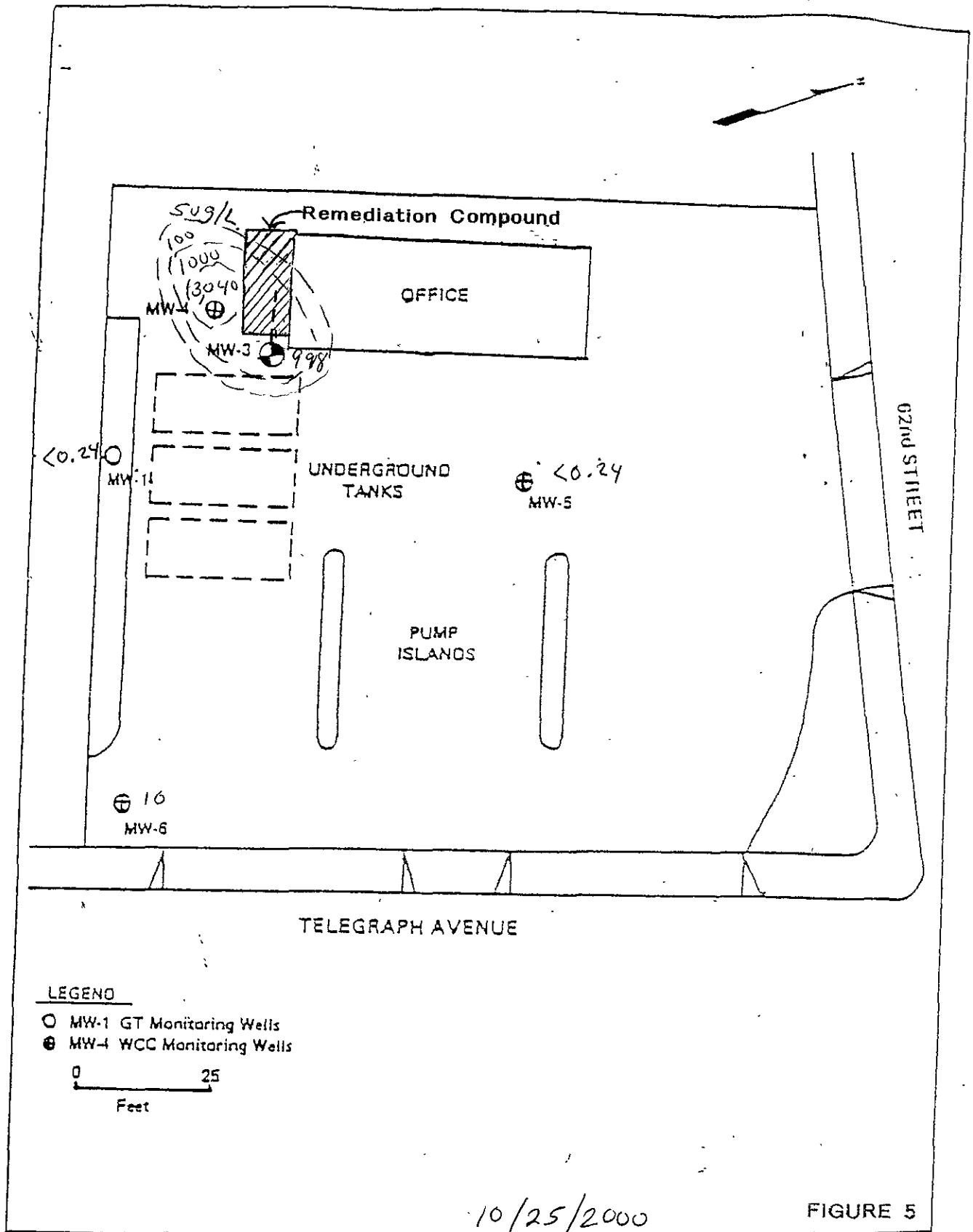
Groundwater Contour Map
 THRIFTY SERVICE STATION NO. 63
 6125 TELEGRAPH AVE.
 OAKLAND, CA



10/25/2000 FIGURE 3
 TPH-9 Isoconcentration Map ug/L
 THRIFTY SERVICE STATION NO. 63
 6125 TELEGRAPH AVE.
 OAKLAND, CA



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



10/25/2000
 MTBE Isoconcentration Map ug/L
 THRIFTY SERVICE STATION NO. 63
 6125 TELEGRAPH AVE.
 OAKLAND, CA

FIGURE 5

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)					
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
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

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)					
01/11/94	-	-	-	-	-	-	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
MONITORING WELL #MW-1											
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
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

**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)					
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
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

**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)					
01/11/94	<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
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

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)					
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
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

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	-	

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	
6/8/92	190,490	188,821	119	-	<0.5	<0.5	<0.5	<0.5	-	-	44	37	07	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	-	
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 for 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	-	

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
04/17/95	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	-
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	-	-	-	-	-	-	-	-	-	-	-	-

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
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	-
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	46,000.0	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	-	-	-	-	-	-	-	-	-	-	-	-

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
10/20/00	99,700.0	845,899	498	Shut down system for QWS and replaced flowmeter starting at 000 (old meter estimated at 99,700). Sytem 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	-	-	-	-	-	-	-	-	-	-	-	-
11/24/00	16,560.0	862,459	514	-	-	-	-	-	-	-	-	-	-	-	-
12/22/00	51,530.0	897,429	1,249	-	-	-	-	-	-	-	-	-	-	-	-

Note: TPH is analyzed by EPA Method 8015 M
 BTEX is analyzed by EPA Method 602 or 8020
 < = less than laboratory detection level indicated
 - = no sample / not analyzed
 *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

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site: <u>063</u>	Date: <u>10-25-00</u>
Address: _____	
Personnel: <u>SERBAX</u>	Weather: <u>SUNNY DAY</u>
Well No: <u>MU-1</u>	Equip: <u>BRUER</u>

Before Purging:			
Total Well Depth: (ft.)	<u>24.00</u>	Well Diameter	<u>2"</u>
Depth to Water (ft)	<u>9.08</u>	Est. Purge Volume:	<u>13</u>

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	<u>8:48</u>	<u>8:50</u>	<u>8:52</u>	<u>8:54</u>	<u>8:56</u>	<u>8:58</u>	<u>9:00</u>
EC	<u>740</u>	<u>810</u>	<u>820</u>	<u>810</u>	<u>830</u>	<u>860</u>	<u>840</u>
pH	<u>6.36</u>	<u>6.32</u>	<u>6.33</u>	<u>6.23</u>	<u>6.23</u>	<u>6.26</u>	<u>6.23</u>
Temp	<u>73.3</u>	<u>73.1</u>	<u>73.1</u>	<u>72.9</u>	<u>72.9</u>	<u>72.7</u>	<u>72.7</u>
Gal.	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	TIME: <u>12:05</u> AM/PM
Depth to Water (ft.) <u>13.42</u>	Total Well Depth(ft.) <u>24.00</u>

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site: <u>1063</u>	Date: <u>10-25-00</u>
Address: _____	
Personnel: <u>SERBAK,</u>	Weather: <u>JUNNY DM</u>
Well No: <u>MW-4</u>	Equip: <u>BHIFR</u>

Before Purging:			
Total Well Depth: (ft.)	<u>29.13</u>	Well Diameter	<u>2"</u>
Depth to Water (ft)	<u>12.26</u>	Est. Purge Volume:	<u>11</u>

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	<u>9:45</u>	<u>9:47</u>	<u>9:48</u>	<u>9:50</u>	<u>9:51</u>	<u>9:53</u>	<u>9:55</u>
EC	<u>1260</u>	<u>1240</u>	<u>1220</u>	<u>1210</u>	<u>1230</u>	<u>1220</u>	<u>1210</u>
pH	<u>5.26</u>	<u>5.20</u>	<u>5.18</u>	<u>5.20</u>	<u>5.16</u>	<u>5.12</u>	<u>5.12</u>
Temp	<u>70.4</u>	<u>70.9</u>	<u>70.7</u>	<u>70.7</u>	<u>70.5</u>	<u>70.3</u>	<u>70.1</u>
Gal.	<u>1</u>	<u>3</u>	<u>4</u>	<u>6</u>	<u>7</u>	<u>9</u>	<u>11</u>
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	TIME: _____ AM/PM
Depth to Water (ft.) <u>14.30</u>	Total Well Depth(ft). _____

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site: <u>A063</u>	Date: <u>10-25-00</u>
Address: _____	
Personnel: <u>SERBAP,</u>	Weather: _____
Well No: <u>MW-5</u>	Equip: <u>BIRDER</u>

Before Purging:			
Total Well Depth: (ft.)	<u>26.28</u>	Well Diameter	<u>4"</u>
Depth to Water (ft)	<u>14.04</u>	Est. Purge Volume:	<u>32</u>

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	<u>9:12</u>	<u>9:17</u>	<u>9:21</u>	<u>9:26</u>	<u>9:30</u>	<u>9:35</u>	<u>9:40</u>
EC	<u>1560</u>	<u>1500</u>	<u>1520</u>	<u>1530</u>	<u>1540</u>	<u>1530</u>	<u>1520</u>
pH	<u>6.72</u>	<u>6.71</u>	<u>6.80</u>	<u>6.81</u>	<u>6.80</u>	<u>6.83</u>	<u>6.83</u>
Temp	<u>71.3</u>	<u>71.1</u>	<u>70.9</u>	<u>70.7</u>	<u>70.6</u>	<u>70.5</u>	<u>70.3</u>
Gal.	<u>4</u>	<u>9</u>	<u>13</u>	<u>18</u>	<u>22</u>	<u>27</u>	<u>32</u>
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	TIME: <u>12:10</u> AM/PM
Depth to Water (ft.) <u>16.30</u>	Total Well Depth(ft.) <u>26.28</u>

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	# 063	Date:	10-25-00
Address:			
Personnel:	SE RIBONI,	Weather:	SUNNY DAY
Well No:	MW-6	Equip:	AMLER

Before Purging:			
Total Well Depth: (ft.)	26.85	Well Diameter	4"
Depth to Water (ft)	12.30	Est. Purge Volume:	38

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	8:07	8:12	8:18	8:23	8:29	8:34	8:40
EC	1350	1360	1340	1330	1330	1340	1340
pH	6.60	6.63	6.61	6.71	6.84	6.83	6.81
Temp	21.4	21.3	21.3	20.9	20.8	20.7	20.6
Gal.	5	10	16	21	27	32	38
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	TIME:	12:00	AM/PM
Depth to Water (ft.)	16.40	Total Well Depth(ft.)	26.85

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 61697

REPORTED 11/08/2000

RECEIVED 10/30/2000

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>
221465	TOC #063, MW-6
221466	TOC #063, MW-1
221467	TOC #063, MW-5
221468	TOC #063, MW-4
221469	TOC #063, TB

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.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 221465**Client Sample ID** TOC #063, MW-6**Matrix:** WATER**Date Sampled:** 10/25/2000 **Time Sampled:** 12:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	ND	1	0.3	0.18	ug/L	11/01/00 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	11/01/00 HP
Methyl t - butyl ether	7.0	1	5	0.24	ug/L	11/01/00 HP
Toluene	ND	1	0.3	0.14	ug/L	11/01/00 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	11/01/00 HP

8260B BTEX/MTBE Only

Methyl-tert-butylether (MTBE)	10	1	1	0.6	ug/L	11/07/00 RB
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8015M - Total Petroleum Hydrocarbons

Gasoline	ND	1	50	50	ug/L	11/01/00 HP
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Order #: 221466**Client Sample ID** TOC #063, MW-1**Matrix:** WATER**Date Sampled:** 10/25/2000 **Time Sampled:** 12:05

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	ND	1	0.3	0.18	ug/L	11/01/00 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	11/01/00 HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	11/01/00 HP
Toluene	ND	1	0.3	0.14	ug/L	11/01/00 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	11/01/00 HP

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	1	50	50	ug/L	11/01/00 HP
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Order #: 221467**Client Sample ID** TOC #063, MW-5**Matrix:** WATER**Date Sampled:** 10/25/2000 **Time Sampled:** 12:10

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	ND	1	0.3	0.18	ug/L	11/01/00 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	11/01/00 HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	11/01/00 HP
Toluene	ND	1	0.3	0.14	ug/L	11/01/00 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	11/01/00 HP

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



8015M - Total Petroleum Hydrocarbons

Gasoline	ND	1	50	50	ug/L	11/01/00	HP
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Order #: 221468**Client Sample ID** TOC #063, MW-4**Matrix:** WATER**Date Sampled:** 10/25/2000 **Time Sampled:** 12:15

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	ND	1	0.3	0.18	ug/L	11/01/00	HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	11/01/00	HP
Methyl t - butyl ether	3,690	100	500.0	0.24	ug/L	11/01/00	HP
Toluene	ND	1	0.3	0.14	ug/L	11/01/00	HP
Xylene (total)	ND	1	0.6	0.26	ug/L	11/01/00	HP

8260B BTEX/MTBE Only

Methyl-tert-butylether (MTBE)	3,040	100	100.0	0.6	ug/L	11/07/00	RB
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8015M - Total Petroleum Hydrocarbons

Gasoline	2,480	1	50	50	ug/L	11/01/00	HP
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Order #: 221469**Client Sample ID** TOC #063, TB**Matrix:** WATER**Date Sampled:** 10/25/2000 **Time Sampled:** 12:00

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	ND	1	0.3	0.18	ug/L	11/01/00	HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	11/01/00	HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	11/01/00	HP
Toluene	ND	1	0.3	0.14	ug/L	11/01/00	HP
Xylene (total)	ND	1	0.6	0.26	ug/L	11/01/00	HP

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	1	50	50	ug/L	11/01/00	HP
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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
 Roi Hertanto
 13539 E. Foster Rd.
 Santa Fe Springs, CA 90670

Lab Request: 61697
 Date Received: 10/30/2000
 Print Date: 11/09/2000

Project: Station #063
 6125 Telegraph Ave., Oakland

Objectives: Confirm MTBE by 8260.

Sample ID.	Gasoline	Benzene	Toluene	Ethyl benzene	Xylene (total)	MTBE	MTBE by EPA8260
TOC #063, MW-1	ND	ND	ND	ND	ND	ND	
TOC #063, MW-4	2,480 ug/L	ND	ND	ND	ND	3,690 ug/L	3,040 ug/L
TOC #063, MW-5	ND	ND	ND	ND	ND	ND	
TOC #063, MW-6	ND	ND	ND	ND	ND	7.0 ug/L	10 ug/L
TOC #063, TB	ND	ND	ND	ND	ND	ND	

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 61698 - 470

Matrix: WATER

Prep. Date: 11/01/00

Analysis Date: 11/01/00 - 11/02/00

LAB ID#'s in Batch: LR 61698, 61591, 61592, 61697, 61822

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	9.6	9.4	96	94	2
Toluene	8021	ND	10.0	8.8	8.7	88	87	1
Ethylbenzene	8021	ND	10.0	9.4	9.3	94	93	1
Xylenes	8021	ND	30.0	29.1	28.6	97	95	2

* = Matrix Interference. LCS OK. Data Reported.

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	9.5	10.0	95	80%	120%
Toluene	8021	ND	8.6	10.0	86	80%	120%
Ethylbenzene	8021	ND	9.2	10.0	92	80%	120%
Xylenes	8021	ND	27.8	30.0	93	80%	120%

LCS = Lab Control Sample Result

TRUE = True Value of LCS

L.LIMIT / H.LIMIT = LCS Control Limits

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 61698 - 470

Matrix: WATER

Prep. Date: 11/01/00

Analysis Date: 11/01/00 - 11/02/00

ID#'s in Batch: LR 61698, 61591, 61592, 61697, 61822

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	500	480	472	96.0	94.4	1.7

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

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	440	400	110.0	80%	120%

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H Limit = LCS Control Limits

ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LCS/LCSD Water Samples

Method : 8260

Analysis Date: 11/07/00

Applies to: LR 61697, 61247, 61572

REPORTING UNITS = ug/L

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	35.9	37.4	72	75	4	30	61-145
MTBE	ND	50.0	59.1	51.4	118	103	14	30	61-145
Benzene	ND	50.0	52.4	52.6	105	105	0	11	76-127
Trichloroethene	ND	50.0	57.6	57.9	115	116	1	14	71-120
Toluene	ND	50.0	59.6	56.9	119	114	5	13	76-125
Chlorobenzene	ND	50.0	59.2	56.2	118	112	5	13	75-130

= Matrix Interference

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

Chain of Custody Record

61697

ASSOCIATED LABORATORIES

806 North Batavia • Orange, CA 92868
Phone: (714) 771-6900 • Fax: (714) 538-1209



Company THRIFTY OIL CO.		Phone (562) 921-3581		A.L. Job No. _____		Page _____ of _____												
Project Manager JEFF JURYARDUSUMA		Fax _____		Analysis Requested				Test Instructions & Comments										
Project Name _____		Project # 063																
Site Name and Address 6125 TELEGRAPH AVE OAKLAND, CA. 94609																		
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	T P H	B T E X	M T B E									
1	MW-6	10.25.00	12:00	WATER	3VIALS	HCL	X	X	X									* CONFIRM BY 8260 IF DETECTABLE
2	MW-1	↑	12:05	↑	↑	HCL	X	X	X									
3	MW-5	↑	12:10	↑	↑	HCL	X	X	X									
4	MW-4	↑	12:15	↑	↑	HCL	X	X	X									
5	TRIP BLANK	↑	12:00	↑	2VIALS	HCL	X	X										
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		

Sample Receipt - To Be Filled By Laboratory				Relinquished by Sampler: 1.		Relinquished by 2.		Relinquished by 3.	
Total Number of Containers	14	Property Cooled	Y / N / NA	Signature:	<i>[Signature]</i>	Signature:		Signature:	
Custody Seals	Y / N / NA	Samples Intact	Y / N / NA	Printed Name:	SERBAN P	Printed Name:		Printed Name:	
Received in Good Condition	Y / N	Samples Accepted	Y / N	Date:	10-25-00	Date:		Date:	
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. <input type="checkbox"/> 24 hrs. <input type="checkbox"/> 72 hrs.				Signature:	<i>[Signature]</i>	Signature:		Signature:	
				Printed Name:	Smith	Printed Name:		Printed Name:	
				Date:	10/25/00	Date:		Date:	



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 61698

REPORTED 11/02/2000

RECEIVED 10/30/2000

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.

Order No.

221470

221471

221472

Client Sample Identification

TOC #063, Effluent

TOC #063, Intermed

TOC #063, Influent

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.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 221470**Client Sample ID:** TOC #063, Effluent**Matrix:** WATER**Date Sampled:** 10/25/2000 **Time Sampled:** 10:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	ND	1	0.3	0.18	ug/L	11/01/00 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	11/01/00 HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	11/01/00 HP
Toluene	ND	1	0.3	0.14	ug/L	11/01/00 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	11/01/00 HP

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	1	50	50	ug/L	11/01/00 HP
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Order #: 221471**Client Sample ID:** TOC #063, Intermed**Matrix:** WATER**Date Sampled:** 10/25/2000 **Time Sampled:** 10:35

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	115	100	30.0	0.18	ug/L	11/01/00 HP
Ethyl benzene	134	100	30.0	0.18	ug/L	11/01/00 HP
Methyl t - butyl ether	982	100	500.0	0.24	ug/L	11/01/00 HP
Toluene	109	100	30.0	0.14	ug/L	11/01/00 HP
Xylene (total)	928	100	60.0	0.26	ug/L	11/01/00 HP

8015M - Total Petroleum Hydrocarbons

Gasoline	15,400	100	5000.0	50	ug/L	11/01/00 HP
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Order #: 221472**Client Sample ID:** TOC #063, Influent**Matrix:** WATER**Date Sampled:** 10/25/2000 **Time Sampled:** 10:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
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8021B BTEX + MTBE

Benzene	111	50	15.0	0.18	ug/L	11/01/00 HP
Ethyl benzene	141	50	15.0	0.18	ug/L	11/01/00 HP
Methyl t - butyl ether	998	50	250.0	0.24	ug/L	11/01/00 HP
Toluene	121	50	15.0	0.14	ug/L	11/01/00 HP
Xylene (total)	972	50	30.0	0.26	ug/L	11/01/00 HP

8015M - Total Petroleum Hydrocarbons

Gasoline	17,100	50	2500.0	50	ug/L	11/01/00 HP
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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
 Roi Hertanto
 13539 E. Foster Rd.
 Santa Fe Springs, CA 90670

Lab Request: 61698
 Date Received: 10/30/2000
 Print Date: 11/07/2000

Project: Station #063
 6125 Telegraph Ave., Oakland

Sample ID.	Gasoline	Benzene	Toluene	Ethyl benzene	Xylene (total)	MTBE
TOC #063, Effluent	ND	ND	ND	ND	ND	ND
TOC #063, Influent	17,100 ug/L	111 ug/L	121 ug/L	141 ug/L	972 ug/L	998 ug/L
TOC #063, Intermed	15,400 ug/L	115 ug/L	109 ug/L	134 ug/L	928 ug/L	982 ug/L

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 61698 - 470
 Matrix: WATER
 Prep. Date: 11/01/00
 Analysis Date: 11/01/00 - 11/02/00
 LAB ID#'s in Batch: LR 61698, 61591, 61592, 61697, 61822

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	9.6	9.4	96	94	2
Toluene	8021	ND	10.0	8.8	8.7	88	87	1
Ethylbenzene	8021	ND	10.0	9.4	9.3	94	93	1
Xylenes	8021	ND	30.0	29.1	28.6	97	95	2

* = Matrix Interference. LCS OK. Data Reported.

ND - Not Detected

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

%RLC-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	9.5	10.0	95	80%	120%
Toluene	8021	ND	8.6	10.0	86	80%	120%
Ethylbenzene	8021	ND	9.2	10.0	92	80%	120%
Xylenes	8021	ND	27.8	30.0	93	80%	120%

LCS = Lab Control Sample Result

TRUE = True Value of LCS

L.LIMIT / H.LIMIT = LCS Control Limits

ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 61698 - 470

Matrix: WATER

Prep. Date: 11/01/00

Analysis Date: 11/01/00 - 11/02/00

ID#'s in Batch: LR 61698, 61591, 61592, 61697, 61822

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	500	480	472	96.0	94.4	1.7

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

PREP BLK	LCS				
Value	Result	True	%Rec	L.Limit	H.Limit
ND	440	400	110.0	80%	120%

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits

Chain of Custody Record

61698 ✓

ASSOCIATED LABORATORIES

806 North Batavia ▪ Orange, CA 92868
Phone: (714) 771-6900 ▪ Fax: (714) 538-1209



Company THRIFTY OIL CO		Phone (562) 921-3581		A.L. Job No.		Page _____ of _____			
Project Manager NEEF SUPHARUSUMA		Fax		Analysis Requested				Test Instructions & Comments	
Project Name SYSTEM SAMPLING		Project # 063							
Site Name and Address 6125 TELEGRAPH AVE. OAKLAND, CA. 94609									
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	T	B	
1 EFFLUENT		10-25-00	10:30	WATER	2 VIALS	HCL	X	X	
2 INTERMED		10-25-00	10:35	WATER	2 VIALS	HCL	X	X	
3 INFLUENT		10-25-00	10:40	WATER	2 VIALS	HCL	X	X	
4									
5									
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	U	Properly Cooled Y/N/NA		Signature: <i>[Signature]</i>		Signature:		Signature:	
Custody Seals Y/N/NA	(C)	Samples Intact Y/N/NA		Printed Name: SERBA P.		Printed Name:		Printed Name:	
Received in Good Condition Y/N	(C)	Samples Accepted Y/N		Date: 10-25-00 Time:		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: <i>[Signature]</i>		Signature:		Signature:	
		<input type="checkbox"/> 24 hrs.	<input type="checkbox"/> 72 hrs.	Printed Name: Greg Smith		Printed Name:		Printed Name:	
				Date: 10/25/00 Time: 09:00		Date:	Time:	Date:	Time:

APPENIX C

063

THRIFTY OIL CO. SERVICE STATION # 063
6125 TELEGRAPH AVENUE, OAKLAND, CALIFORNIA
GROUNDWATER EXTRACTION/TREATMENT SYSTEM INSPECTION FORM

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 12-22-00

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

FLOW METER READING: 0051530

SAMPLES OBTAINED: N/A

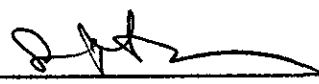
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

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: 0.9

INSPECTOR'S SIGNATURE: 

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

NAME OF INSPECTOR: JERBOA P.

DATE OF INSPECTION: 12-15-00

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

FLOW METER READING: 0047870

SAMPLES OBTAINED: N/A

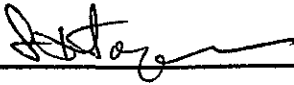
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

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: 0.9

INSPECTOR'S SIGNATURE: 

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 12-08-00

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

FLOW METER READING: 0032640

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: 0.9

INSPECTOR'S SIGNATURE: *Serban P.*

63

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 12-01-00

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

FLOW METER READING: 0023820

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: 1.1

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

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 P.

DATE OF INSPECTION: 11-24-00

OBSERVATIONS AND
COMMENTS: Add oil, clean water filter bags
replace cartridge water filter

FLOW METER READING: 0018560

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: 0.9

INSPECTOR'S SIGNATURE: 

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

NAME OF INSPECTOR: SERBOTA P

DATE OF INSPECTION: 11-17-00

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

FLOW METER READING: 0014480

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: 0.9

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: SERBANI P.

DATE OF INSPECTION: 11-10-00

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

FLOW METER READING: 0009520

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: 1.2

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]

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

NAME OF INSPECTOR: JERRA P.

DATE OF INSPECTION: 11-03-00

OBSERVATIONS AND COMMENTS: Add oil, replace cartridge water filter

FLOW METER READING: 0007420

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: 1.2

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: *JERRA P.*

063

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

NAME OF INSPECTOR: SERBAN P.

DATE OF INSPECTION: 10-27-00

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

FLOW METER READING: 0002160

SAMPLES OBTAINED: N/A

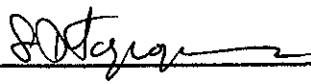
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

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

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: 

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

NAME OF INSPECTOR: SERBINA P.

DATE OF INSPECTION: 10-20-00

OBSERVATIONS AND COMMENTS: check out, clean water filter bag

replace cartridge water filter -

Shut down system for G.W.S. -

FLOW METER READING: Replace new flowmeter 0

SAMPLES OBTAINED: N/A

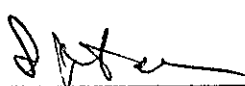
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

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

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: 

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

NAME OF INSPECTOR: SERBAY P.

DATE OF INSPECTION: 10-13-00

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

FLOW METER READING: 962.12

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: 1.0

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

INSPECTOR'S SIGNATURE: 

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

NAME OF INSPECTOR: SERBAY P.

DATE OF INSPECTION: 10-06-00

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

FLOW METER READING: 95310

SAMPLES OBTAINED: HI

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 14

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: *Serbay*

APPENDIX D



ASSOCIATED LABORATORIES

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

1.08636
RECEIVED

NOV 07 2000

ENVIRONMENTAL

FAX 714/538-1209

JS
RF

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

LAB REQUEST 61698

REPORTED 11/02/2000

RECEIVED 10/30/2000

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.

Order No.

221470
221471
221472

Client Sample Identification

TOC #063, Effluent
TOC #063, Intermed
TOC #063, Influent

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.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 221470
Matrix: WATER

Client Sample ID: TOC #063, Effluent
Date Sampled: 10/25/2000 Time Sampled: 10:30

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	ND	1	0.3	0.18	ug/L	11/01/00 HP
Ethyl benzene	ND	1	0.3	0.18	ug/L	11/01/00 HP
Methyl t - butyl ether	ND	1	5	0.24	ug/L	11/01/00 HP
Toluene	ND	1	0.3	0.14	ug/L	11/01/00 HP
Xylene (total)	ND	1	0.6	0.26	ug/L	11/01/00 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	ND	1	50	50	ug/L	11/01/00 HP

Order #: 221471
Matrix: WATER

Client Sample ID: TOC #063, Intermed
Date Sampled: 10/25/2000 Time Sampled: 10:35

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	115	100	30.0	0.18	ug/L	11/01/00 HP
Ethyl benzene	134	100	30.0	0.18	ug/L	11/01/00 HP
Methyl t - butyl ether	982	100	500.0	0.24	ug/L	11/01/00 HP
Toluene	109	100	30.0	0.14	ug/L	11/01/00 HP
Xylene (total)	928	100	60.0	0.26	ug/L	11/01/00 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	15,400	100	5000.0	50	ug/L	11/01/00 HP

Order #: 221472
Matrix: WATER

Client Sample ID: TOC #063, Influent
Date Sampled: 10/25/2000 Time Sampled: 10:40

Analyte	Result	DF	PQL	MDL	Units	Date/Analyst
8021B BTEX + MTBE						
Benzene	111	50	15.0	0.18	ug/L	11/01/00 HP
Ethyl benzene	141	50	15.0	0.18	ug/L	11/01/00 HP
Methyl t - butyl ether	998	50	250.0	0.24	ug/L	11/01/00 HP
Toluene	121	50	15.0	0.14	ug/L	11/01/00 HP
Xylene (total)	972	50	30.0	0.26	ug/L	11/01/00 HP
8015M - Total Petroleum Hydrocarbons						
Gasoline	17.100	50	2500.0	50	ug/L	11/01/00 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: 61698
 Date Received: 10/30/2000
 Print Date: 11/02/2000

Project: Station #063
 6125 Telegraph Ave., Oakland

Sample ID.	Gasoline	Benzene	Toluene	Ethyl benzene	Xylene (total)	MTBE
TOC #063.	ND	ND	ND	ND	ND	ND
Effluent TOC #063.	3.310 ug/L	8.0 ug/L	3.0 ug/L	ND	90 ug/L	3.870 ug/L
Influent TOC #063.	28.200 ug/L	237 ug/L	193 ug/L	241 ug/L	1.700 ug/L	2.360 ug/L
Intermed						

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

Chain of Custody Record

61698



NOV-06-2000 16:33 FROM- T-209 P.004/004 F-229

Company: THRIFTY OIL CO		Phone: (562) 921-3581		A.L. Job No.		Page _____ of _____				
Project Manager: NEEF SUPHARUSUMA		Fax		Analysis Requested				Test Instructions & Comments		
Project Name: SYSTEM SAMPLING		Project #: 063								
Site Name and Address: 6125 TELEGRAPH AVE. OAKLAND, CA. 94609										
Sample ID	Lab ID	Date	Time	Matrix	Container Number/Size	Pres.	H	B	Analysis Requested	Test Instructions & Comments
1 EFFLUENT		10-25-00	10:180	WATER	2 VIALS	HCL	X	X		
2 INTERMEDI		10-25-00	10:35	WATER	2 VIALS	HCL	X	X		
3 INFLUENT		10-25-00	10:40	WATER	2 VIALS	HCL	X	X		
4										
5										
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	Properly Cooled Y/N/NA	Custody Seal's Y/N/NA		Signature:	Signature:	Signature:		Signature:	
Received in Good Condition Y/N	Samples Intact Y/N/NA	Samples Accepted Y/N		Printed Name: SERBAY P.	Printed Name:	Printed Name:		Printed Name:	
Turn Around Time				Date: 10-25-00	Time:	Date:	Time:	Date:	Time:
<input checked="" type="checkbox"/> Normal <input type="checkbox"/> Rush <input type="checkbox"/> Same Day <input type="checkbox"/> 48 hrs. <input type="checkbox"/> 24 hrs. <input type="checkbox"/> 72 hrs.				Received By: 1.	Received By: 2.	Received By: 3.		Received By: 3.	
				Signature:	Signature:	Signature:		Signature:	
				Printed Name:	Printed Name:	Printed Name:		Printed Name:	
				Date:	Time:	Date:	Time:	Date:	Time: