

THRIFTY OIL CO.

July 20, 2000

O.05150

2005

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
2nd Quarter 2000, Status Report

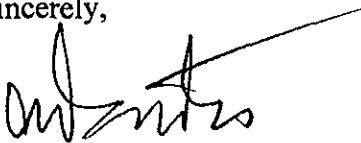
00 JUL 24 PM 4:31
ENVIRONMENTAL
PROTECTION

Dear Ms. Hugo:

Presented herewith is the Second 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.

July 19, 2000

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
2nd Quarter 2000, Status Report

Dear Ms. Hugo:

Presented herein is the Second 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 efforts conducted on April 19 and May 26, 2000 in the Second Quarter 1999. Thrifty has retained the services of Earth Management Company (EMC) to conduct quarterly monitoring and sampling 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 9.65 feet below surface grade (bsg) in monitoring well MW-6 to 14.20 feet bsg in monitoring well MW-3 on April 19, and 9.11 feet bsg in monitoring well MW-1 to 15.12 feet bsg in monitoring well MW-3 on May 26, 2000 (**Appendix A**). A groundwater elevation contour map based on the May 26, 2000 data is presented in **Figure 2**. The groundwater is flowing toward the east and north-northwest at gradients ranging from approximately 0.05 feet/foot to 0.12 feet/foot. Well MW-3 serves as a groundwater extraction well, and therefore not used to construct the groundwater gradient map.

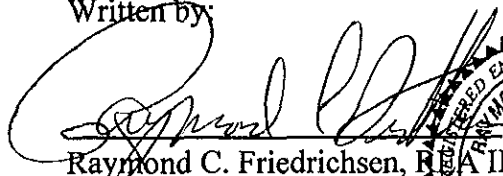
Quarterly Groundwater Sampling

As part of the ongoing groundwater monitoring program, groundwater samples were obtained from

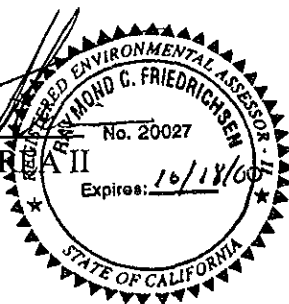


Interpretations expressed herein are based upon data collected by EMC.

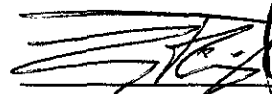
Written by:



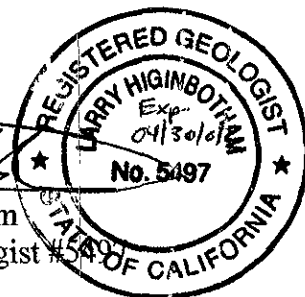
Raymond C. Friedrichsen, FEA II
Project Manager, MBA
Senior Hydrogeologist



Reviewed by:



Larry Higinbotham
Registered Geologist #5499



FIGURES

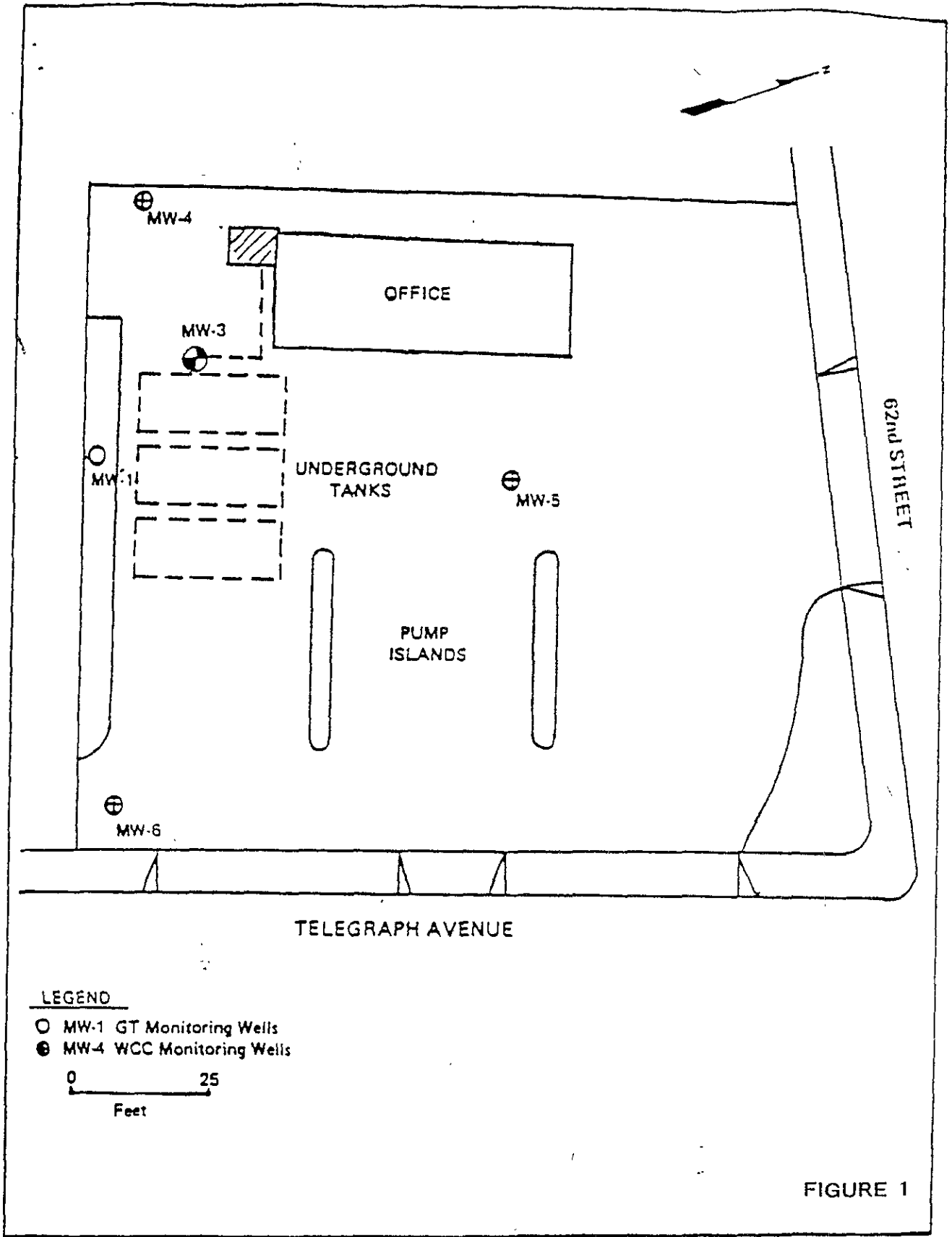


FIGURE 1

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

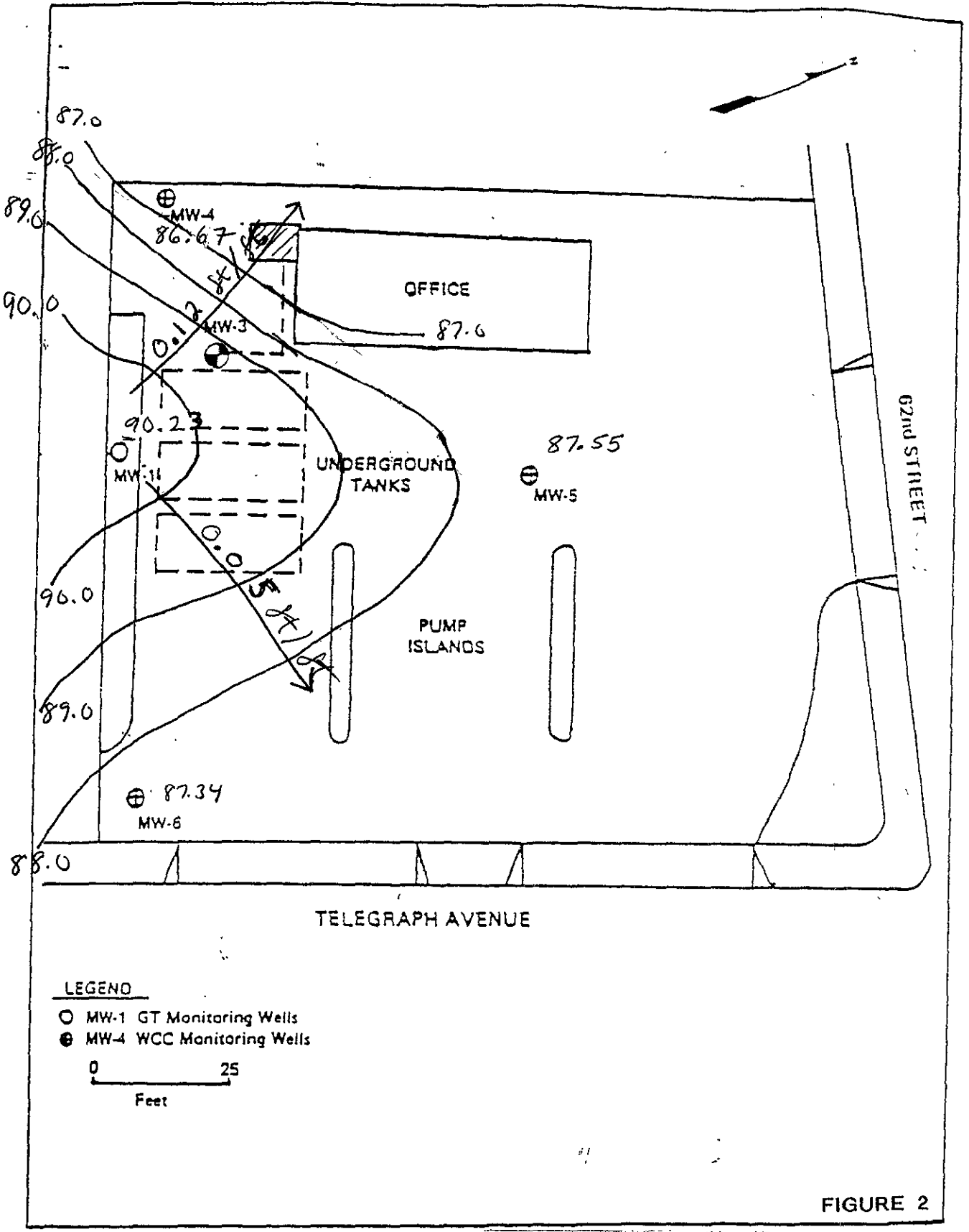


FIGURE 2

Groundwater Contour Map

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

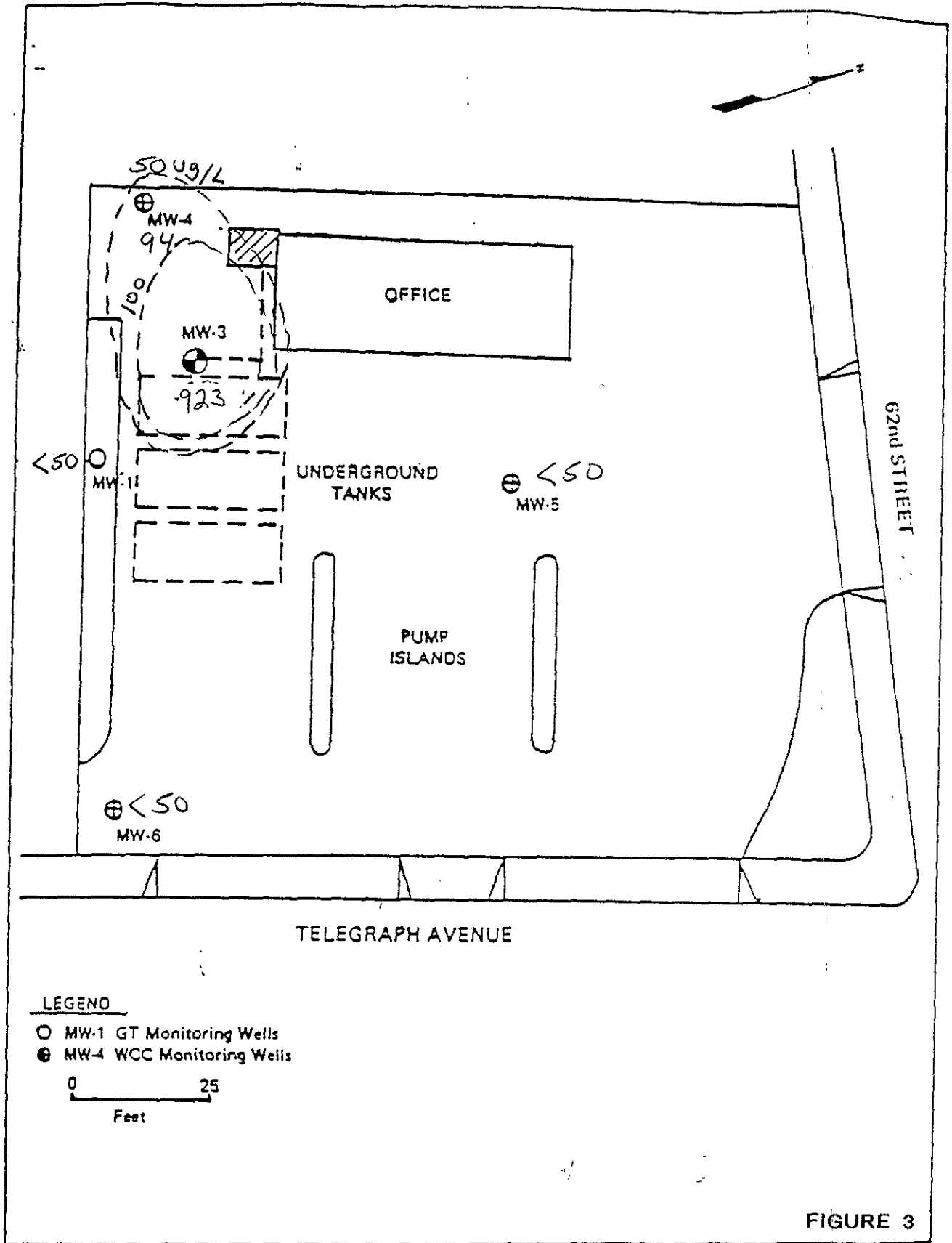


FIGURE 3

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

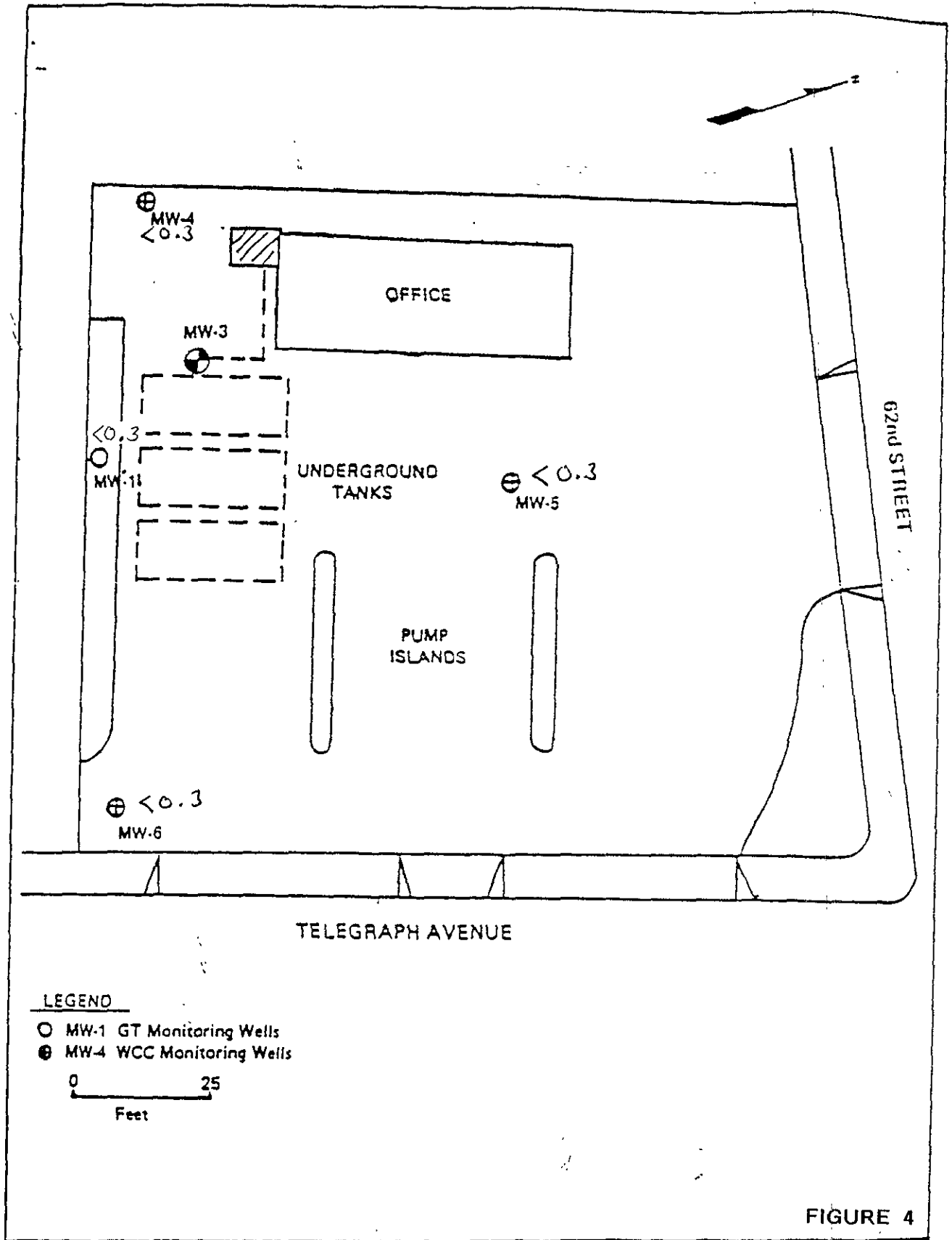


FIGURE 4

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

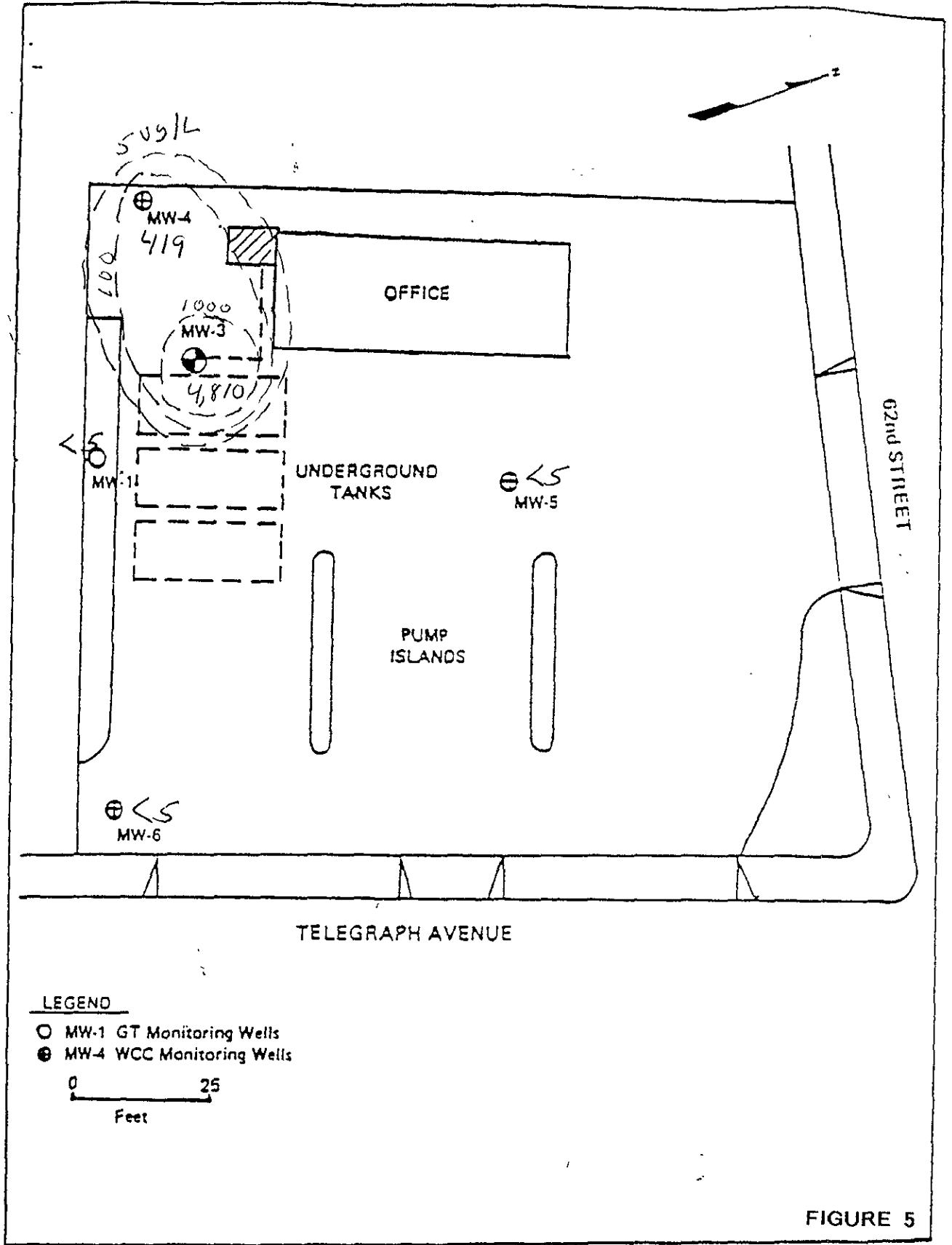


FIGURE 5

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

TABLE(S)

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)	MIBE (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

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
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
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

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)	MIBE (ug/L)					
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
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	-	-	-	-	-	-

**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)					
01/15/96	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
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

**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)					
04/15/96	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

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	-	

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	
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	-	
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	490	-	
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	<0.3	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-	
11/14/94	712,539	451,912	449	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<0.5	<0.5	-	
12/19/94	734,620	473,993	631	<50	<0.3	<0.3	<0.3	<0.5	-	<50	<0.3	<0.3	<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	
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	-	
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												

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
10/06/97	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	58,905	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	29,905.0	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	-	-	-	-	-	-	-	-	-	-	-	-

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
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
05/26/00	60,086.0	806,285	90	-	-	-	-	-	-	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

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



PROJECT STATUS REPORT
 THRIFTY OIL CO. S.S. #063
 6125 TELEGRAPH AVENUE
 OAKLAND, CA 94609
 DATE: 04-19-00

OBSERVATION WELLS

NO.	DTW	DTP	PT	DTB	DIA.	ODORS			F/P			
						YES	NO	S	YES	NO		
MONTHLY												
MW-1	10.63			29.03	27		X			X	-	-
MW-3	14.20			28.22	64		X			X	-	-
MW-4	12.28			29.15	27		X			X	-	-
MW-5	10.97			26.28	44		X			X	-	-
MW-6	9.65			26.87	44		X			X	-	-

EXPLANATION

DTW - DEPTH TO WATER FROM SURFACE DTP - DEPTH TO PRODUCT FROM SURFACE
 PT - PRODUCT THICKNESS S - SLIGHT
 MEASUREMENTS IN FEET
 REMARKS: Q.W.S.
 FREE PRODUCT REMOVED: APPROX. _____ GALLONS WATER REMOVED: APPROX. 130 GALLONS
 DATA RECORDED BY: [Signature] INPUT BY: Carrie

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site: <u> # 063 </u>	Date: <u> 08.19.00 </u>
Address: _____	
Personnel: <u> SERDIN </u>	Weather: <u> SUNNY DAY </u>
Well No: <u> MW-1 </u>	Equip: <u> BWHCF2 </u>

Before Purging:			
Total Well Depth: (ft.)	<u> 29.03 </u>	Well Diameter	<u> 27 </u>
Depth to Water (ft)	<u> 10.63 </u>	Est. Purge Volume:	<u> 12 </u>

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	<u>8:34</u>	<u>8:36</u>	<u>8:38</u>	<u>8:39</u>	<u>8:41</u>	<u>8:43</u>	<u>8:45</u>
EC	<u>1490</u>	<u>1470</u>	<u>1480</u>	<u>1450</u>	<u>1420</u>	<u>1430</u>	<u>1410</u>
pH	<u>6.83</u>	<u>6.09</u>	<u>6.04</u>	<u>6.06</u>	<u>6.03</u>	<u>6.01</u>	<u>6.01</u>
Temp	<u>70.4</u>	<u>70.2</u>	<u>69.9</u>	<u>69.7</u>	<u>69.8</u>	<u>69.5</u>	<u>69.3</u>
Gal.	<u>1</u>	<u>3</u>	<u>5</u>	<u>6</u>	<u>8</u>	<u>10</u>	<u>12</u>
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	<u> 8.44 </u>	Total Well Depth(ft.)	<u> 29.03 </u>

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	# 063	Date:	04.19.00
Address:			
Personnel:	SERBON	Weather:	SUNNY DAY
Well No:	MW-4	Equip:	BAUER

Before Purging:			
Total Well Depth: (ft.)	29.15	Well Diameter	27
Depth to Water (ft)	12.28	Est. Purge Volume:	M

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	8:20	8:22	8:23	8:25	8:26	8:28	8:30
EC	1480	1470	1450	1410	1430	1410	1340
pH	6.14	6.11	6.09	6.11	6.06	6.03	6.01
Temp	20.2	20.1	20.3	20.1	69.9	69.7	69.8
Gal.	1	3	4	6	7	9	11
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	8.40	Total Well Depth(ft.)	29.15

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	# 063	Date:	09.19.00
Address:			
Personnel:	SERBATA	Weather:	SUNNY DAY
Well No:	MW-5	Equip:	BASICER

Before Purging:			
Total Well Depth: (ft.)	26.28	Well Diameter	4"
Depth to Water (ft)	10.97	Est. Purge Volume:	40

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	9:56	10:01	10:07	10:12	10:18	10:24	10:30
EC	1540	1520	1530	1520	1540	1520	1520
pH	6.04	6.03	6.04	6.01	5.97	6.01	5.97
Temp	72.0	71.7	71.4	71.3	71.1	70.9	70.7
Gal.	5	11	17	22	28	34	40
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	9.22	Total Well Depth(ft).	26.28

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	SD 063	Date:	04.19.00
Address:			
Personnel:	SERBATA	Weather:	SUNNY Day
Well No:	MW-6	Equip:	BAUER

Before Purging:			
Total Well Depth: (ft.)	26.87	Well Diameter	4"
Depth to Water (ft)	9.65	Est. Purge Volume:	45

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	9:01	9:07	9:14	9:20	9:27	9:33	9:40
EC	1960	1950	1920	1950	1920	1910	1920
pH	6.18	6.16	6.13	6.13	6.09	6.06	6.06
Temp	20.6	20.4	20.5	20.3	20.2	20.1	20.0
Gal.	6	12	19	25	32	38	45
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	
Depth to Water (ft.)	9.10
Total Well Depth(ft).	26.87

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	#1 063	Date:	05-26-00
Address:			
Personnel:	SERRA, _____	Weather:	SUNNY DAY
Well No:	MW-6	Equip:	BAUER

Before Purging:			
Total Well Depth: (ft.)	26.87	Well Diameter	4"
Depth to Water (ft)	13.10	Est. Purge Volume:	36

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	8:29	8:34	8:39	8:44	8:49	8:54	9:00
EC	1390	1370	1370	1360	1330	1310	1320
pH	6.08	6.09	6.07	6.04	6.01	6.03	6.01
Temp	21.3	21.1	20.8	20.6	20.5	20.3	20.1
Gal.	5	10	15	20	25	30	36
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	9.40	Total Well Depth(ft.)	26.87

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	1163	Date:	05, 26, 00
Address:			
Personnel:	3-ROSA	Weather:	SUNNY DMG
Well No:	MU-1	Equip:	BATIER

Before Purging:			
Total Well Depth: (ft.)	2903	Well Diameter	2"
Depth to Water (ft)	4 11	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	1460	1420	1430	1410	1410
pH	6.14	6.11	6.09	6.11	6.08	6.04	6.01
Temp	74.1	70.8	70.5	70.4	70.2	69.9	69.6
Gal.	1	3	5	7	9	11	13
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	
Depth to Water (ft.)	6.40 Total Well Depth(ft.) 2903

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	1113	Date:	05 26 00
Address:			
Personnel:	SERPENT	Weather:	SUNNY DAY
Well No.:	MW-4	Equip:	BATIER

Before Purging:			
Total Well Depth: (ft.)	2915	Well Diameter	2"
Depth to Water (ft)	13.21	Est. Purge Volume:	10

Sampling Data:							
Initial Turbidity:				Final Turbidity:			
Time	9:21	9:22	9:24	9:25	9:27	9:28	9:30
EC	1210	1190	1160	1130	1140	1110	1120
pH	6.11	6.09	6.06	6.02	5.97	5.94	5.96
Temp	71.3	71.1	71.1	70.8	70.5	70.2	70.1
Gal.	1	2	4	5	7	8	10
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	
Depth to Water (ft.)	11.2
Total Well Depth(ft)	2915

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	1663	Date:	05-26-00
Address:		Weather:	SUNNY DAY
Personnel:	W. P. [unclear]	Equip:	SAILER
Well No:	166-5		

Before Purging:			
Total Well Depth: (ft.)	26.28	Well Diameter	4"
Depth to Water (ft)	14.63	Est. Purge Volume:	3.1

Sampling Data:								
Initial Turbidity:				Final Turbidity:				
Time	9:44	9:48	9:53	9:57	10:01	10:05	10:10	
EC	1430	1440	1420	1420	1410	1430	1410	
pH	6.09	6.06	6.04	6.01	6.04	6.01	5.96	
Temp	70.1	70.2	70.6	70.7	70.4	70.1	69.9	
Gal.	4	8	13	17	22	26	3.1	
Time								
EC								
pH								
Temp								
Gal.								

After Purging/Before Sample Collection

Depth to Water (ft.)	11.12	Total Well Depth (ft.)	26.28
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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 53954

REPORTED 06/21/2000

RECEIVED 05/30/2000

PROJECT Q.W.S.
Station #063

SUBMITTER Client

COMMENTS Added 8260 MTBE to 187777 per DR 6-15-00 AV

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>
187775	TOC #063 MW-6
187776	TOC #063 MW-1
187777	TOC #063 MW-4
187778	TOC #063 MW-5
187779	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.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 187775

Client Sample ID: TOC #063 MW-6

Log Date: 05/30/20

Matrix: WATER

Date Sampled: 05/26/2000

Time Sampled: 12:30

Analyte	Result	DLR	Units	Date/Analyst
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8021B BTEX

Benzene	ND	0.3	ug/L	06/06/00 HP
Ethyl benzene	ND	0.3	ug/L	06/06/00 HP
Methyl t - butyl ether	ND	5	ug/L	06/06/00 HP
Toluene	ND	0.3	ug/L	06/06/00 HP
Xylene (total)	ND	0.6	ug/L	06/06/00 HP

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	50	ug/L	06/06/00 HP
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Order #: 187776

Client Sample ID: TOC #063 MW-1

Log Date: 05/30/20

Matrix: WATER

Date Sampled: 05/26/2000

Time Sampled: 12:35

Analyte	Result	DLR	Units	Date/Analyst
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8021B BTEX

Benzene	ND	0.3	ug/L	06/06/00 HP
Ethyl benzene	ND	0.3	ug/L	06/06/00 HP
Methyl t - butyl ether	ND	5	ug/L	06/06/00 HP
Toluene	ND	0.3	ug/L	06/06/00 HP
Xylene (total)	ND	0.6	ug/L	06/06/00 HP

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	50	ug/L	06/06/00 HP
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Order #: 187777

Client Sample ID: TOC #063 MW-4

Log Date: 05/30/20

Matrix: WATER

Date Sampled: 05/26/2000

Time Sampled: 12:40

Analyte	Result	DLR	Units	Date/Analyst
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8021B BTEX

Benzene	ND	0.3	ug/L	06/06/00 HP
Ethyl benzene	ND	0.3	ug/L	06/06/00 HP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit



Methyl t - butyl ether	746	250.0	ug/L	06/06/00	HP
Toluene	ND	0.3	ug/L	06/06/00	HP
Xylene (total)	ND	0.6	ug/L	06/06/00	HP

8260B Volatile Organic Compounds

Methyl-tert-butylether (MTBE)	419	50.0	ug/L	06/21/00	DP
-------------------------------	-----	------	------	----------	----

8015M - Total Petroleum Hydrocarbons

Gasoline	94	50	ug/L	06/06/00	HP
----------	----	----	------	----------	----

Order #: 187778

Client Sample ID: TOC #063 MW-5

Log Date: 05/30/20

Matrix: WATER

Date Sampled: 05/26/2000

Time Sampled: 12:50

Analyte	Result	DLR	Units	Date/Analyst
---------	--------	-----	-------	--------------

8021B BTEX

Benzene	ND	0.3	ug/L	06/06/00	HP
Ethyl benzene	ND	0.3	ug/L	06/06/00	HP
Methyl t - butyl ether	ND	5	ug/L	06/06/00	HP
Toluene	ND	0.3	ug/L	06/06/00	HP
Xylene (total)	ND	0.6	ug/L	06/06/00	HP

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	50	ug/L	06/06/00	HP
----------	----	----	------	----------	----

Order #: 187779

Client Sample ID: TOC #063 Trip Blank

Log Date: 05/30/20

Matrix: WATER

Date Sampled: 05/26/2000

Time Sampled: 12:30

Analyte	Result	DLR	Units	Date/Analyst
---------	--------	-----	-------	--------------

8021B BTEX

Benzene	ND	0.3	ug/L	06/06/00	HP
Ethyl benzene	ND	0.3	ug/L	06/06/00	HP
Toluene	ND	0.3	ug/L	06/06/00	HP
Xylene (total)	ND	0.6	ug/L	06/06/00	HP

8015M - Total Petroleum Hydrocarbons

Gasoline	ND	50	ug/L	06/06/00	HP
----------	----	----	------	----------	----

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit



ASSOCIATED LABORATORIES
LCS REPORT FORM

QC Sample: LCS/LCSD Water Samples

Matrix: WATER

Method : 8260

Analysis Date: 06/20/00

Applies to: LR 53938, 53943, 53954

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	31.50	30.31	63.0	60.6	3.9	22	59-172
MTBE	ND	50.0	87.31	70.62	174.6	141.2	21.1	24	62-137
Benzene	ND	50.0	61.91	55.71	123.8	111.4	10.5	24	62-137
Trichloroethene	ND	50.0	44.72	43.19	89.4	86.4	3.5	21	66-142
Toluene	ND	50.0	56.12	52.61	112.2	105.2	6.5	21	59-139
Chlorobenzene	ND	50.0	48.70	50.95	97.4	101.9	4.5	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

American Environmental Testing Laboratory Inc.

2957 North Naomi Street, Burbank, CA 91504 • DOHS NO. 15471 • RCSD NO. 20781
Tel: (818) 288-1131 • (818) 843-8200 • Fax: (818) 843-8841

806 N. BATAVIA CA. 92868

53954

CHAIN OF CUSTODY RECORD

COMPANY <u>THRIFTY OIL CO.</u> PHONE <u>(362) 921-3581</u>							AETL JOB No.		Page <u>1</u> of <u>1</u>			
PROJECT MANAGER <u>JEFF SURYAKUZUMA</u> FAX <u>H/A</u>							ANALYSIS REQUESTED				TEST INSTRUCTIONS & COMMENTS	
PROJECT NAME <u>Q.W.S.</u> PROJECT # <u>063</u>							<u>T</u> <u>P</u> <u>H</u> <u>B</u> <u>X</u> <u>E</u> <u>X</u> <u>M</u> <u>X</u> <u>I</u> <u>X</u> <u>A</u> <u>X</u>					
SITE NAME AND ADDRESS <u>6125 TELEGRAPH AVE -</u> <u>OAKLAND, CA. 94609 -</u>												
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.						
MW-6		05.26.00	12:30	WATER	3 VIALS	HCL	X	X	X	*CONFIRM MTBF BY 8260 IF DETECTABLE*		
MW-1		↑	12:35	↑	3	↑	X	X	X			
MW-4		↓	12:40	↓	3	↓	X	X	X			
MW-5		↓	12:50	↓	3	↓	X	X	X			
TRIP BLANK		↓	12:30	↓	2 VIALS	↓	X	X				
SAMPLE RECEIPT - TO BE FILLED BY LABORATORY							RELINQUISHED BY SAMPLER: <u>1.</u>		RELINQUISHED BY: <u>2.</u>		RELINQUISHED BY: <u>3.</u>	
TOTAL NUMBER OF CONTAINERS		PROPERLY COOLED Y/N/NA		Signature: <u>[Signature]</u>		Signature		Signature				
CUSTODY SEALS Y/N/NA		SAMPLES INTACT Y/N/NA		Printed Name: <u>SEBASTIA P.</u>		Printed Name		Printed Name				
RECEIVED IN GOOD COND. Y/N		SAMPLES ACCEPTED Y/N		Date: <u>05.26.00</u> Time: <u>13:00</u>		Date		Date		Date		
TURN AROUND TIME							RECEIVED BY: <u>1.</u>		RECEIVED BY: <u>2.</u>		RECEIVED BY LABORATORY: <u>3.</u>	
<input 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: <u>[Signature]</u> Printed Name: <u>JARIN DEMPSEY</u>		Signature Printed Name		Signature Printed Name	
							Date: <u>5-30-00</u> Time: <u>10:00</u>		Date Time		Date Time	



American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

Ordered By

Thrifty Oil Company
13539 E. Foster Road
Santa Fe Springs, CA 90670-

Telephone: (562) 921-3581
Attention: Jeff Suryakusuma

Number of Pages 6
Date Received 04/20/2000
Date Reported 05/16/2000

Job Number	Order Date	Client
15313	04/20/2000	TOC

Project ID: SS#063
Project Name: Quarterly Water Sampling
Site: TOC-SS#063
6125 Telegraph Ave.
Oakland, CA 94609

Enclosed please find results of analyses of 5 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ *a* _____

Approved By: _____ *C. Razmara* _____

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Thrifty Oil Company
 13539 E. Foster Road
 Santa Fe Springs, CA 90670-

Site

TOC-SS#063
 6125 Telegraph Ave.
 Oakland, CA 94609

Telephone: (562)921-3581
 Attn: Jeff Suryakusuma

Page: 2
 Project ID: SS#063
 Project Name: Quarterly Water Sampling

AETL Job Number	Submitted	Client
15313	04/20/2000	TOC

Method: 8020A/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC. by GC

QC Batch Number: 05022000 / 05022000

Our Lab I.D.			AE72553	AE72554	AE72555	AE72556
Client Sample I.D.		Method Blank	MW-4	MW-1	MW-6	MW-5
Date Sampled		04/19/2000	04/19/2000	04/19/2000	04/19/2000	04/19/2000
Date Prepared		05/02/2000	05/02/2000	05/02/2000	05/02/2000	05/02/2000
Preparation Method		5030B	5030B	5030B	5030B	5030B
Date Analyzed		05/02/2000	05/02/2000	05/02/2000	05/02/2000	05/02/2000
Matrix		Aqueous	Aqueous	Aqueous	Aqueous	Aqueous
Units		ug/L	ug/L	ug/L	ug/L	ug/L
Dilution Factor		1	1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Benzene	0.25	0.50	ND	0.7	ND	ND
Ethylbenzene	0.25	0.50	ND	ND	ND	ND
Toluene (Methyl benzene)	0.25	0.50	ND	ND	ND	ND
Xylenes (Total)	0.50	1.00	ND	ND	ND	ND
Methyl-tert-butyl ether (MTBE)	5.0	10.0	ND	3,240	430	11
TPH as Gasoline and Light HC. (C4-C12)	50	100	ND	8,990	546	83.1J

Our Lab I.D.			AE72553	AE72554	AE72555	AE72556
Surrogates	Con. Limit	% Rec.	% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125	89	88	93	100	101
Trifluorotoluene	75-125	84	121	112	107	113



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ANALYTICAL RESULTS

Ordered By

Thrifty Oil Company
 13539 E. Foster Road
 Santa Fe Springs, CA 90670-

Site

TOC-SS#063
 6125 Telegraph Ave.
 Oakland, CA 94609

Telephone: (562)921-3581
 Attn: Jeff Suryakusuma

Page: 3
 Project ID: SS#063
 Project Name: Quarterly Water Sampling

AETL Job Number	Submitted	Client
15313	04/20/2000	TOC

Method: 8020A/M8015G, Aromatic Volatile Organics Using GC

QC Batch Number: 05022000 / 05022000

Our Lab I.D.			AE72557	
Client Sample I.D.			Method Blank	Trip Blank
Date Sampled			04/19/2000	04/19/2000
Date Prepared			05/02/2000	05/02/2000
Preparation Method			5030B	5030B
Date Analyzed			05/02/2000	05/02/2000
Matrix			Aqueous	Aqueous
Units			ug/L	ug/L
Dilution Factor			1	1
Analytes	MDL	PQL	Results	Results
Benzene	0.25	0.50	ND	6.7
Ethylbenzene	0.25	0.50	ND	11.9
Toluene (Methyl benzene)	0.25	0.50	ND	18.7
Xylenes (Total)	0.50	1.00	ND	62.6
TPH as Gasoline and Light HC. (C4-C12)	5.0	10.0	ND	337

Comment(s):

72556-7: have diesel.

Our Lab I.D.			AE72557	
Surrogates	Con. Limit		% Rec.	% Rec.
Bromofluorobenzene	75-125		89	103
Trifluorotoluene	75-125		84	118



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ANALYTICAL RESULTS

Ordered By

Thrifty Oil Company
 13539 E. Foster Road
 Santa Fe Springs, CA 90670-

Site

TOC-SS#063
 6125 Telegraph Ave.
 Oakland, CA 94609

Telephone: (562)921-3581
 Attn: Jeff Suryakusuma

Page: 4
 Project ID: SS#063
 Project Name: Quarterly Water Sampling

AETL Job Number	Submitted	Client
15313	04/20/2000	TOC

Method: 8260B, MTBE Confirmation by GC/MS (8260B) Analysis

QC Batch Number: 05022000 / 05022000

Our Lab I.D.				AE72553	AE72554	AE72555
Client Sample I.D.			Method Blank	MW-4	MW-1	MW-6
Date Sampled			04/19/2000	04/19/2000	04/19/2000	04/19/2000
Date Prepared			05/02/2000	05/02/2000	05/02/2000	05/02/2000
Preparation Method			5035	5035	5035	5035
Date Analyzed			05/02/2000	05/02/2000	05/02/2000	05/02/2000
Matrix			Aqueous	Aqueous	Aqueous	Aqueous
Units			ug/L	ug/L	ug/L	ug/L
Dilution Factor			1	1	1	1
Analytes	MDL	PQL	Results	Results	Results	Results
Methyl-tert-butyl ether (MTBE)	5.0	10.0	ND	5,450	606	ND

Our Lab I.D.				AE72553	AE72554	AE72555
Surrogates	Con.Limit		% Rec.	% Rec.	% Rec.	% Rec.
Bromofluorobenzene	75-125		112	116	113	114
Dibromofluoromethane	75-125		103	102	100	106
Toluene-d8	75-125		100	102	100	100



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ANALYTICAL RESULTS

Ordered By

Thrifty Oil Company
 13539 E. Foster Road
 Santa Fe Springs, CA 90670-

Site

TOC-SS#063
 6125 Telegraph Ave.
 Oakland, CA 94609

Telephone: (562)921-3581
 Attn: Jeff Suryakusuma

Page: 5
 Project ID: SS#063
 Project Name: Quarterly Water Sampling

AETL Job Number	Submitted	Client
15313	04/20/2000	TOC

Method: 8020A/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC. by GC

QUALITY CONTROL REPORT

QC Batch Number: 05022000 / 05022000

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	50.0	57.0	114	50.0	46.0	92	21.4	75-125	<20
Ethylbenzene	50.0	61.0	122	50.0	57.0	114	6.8	75-125	<20
Toluene (Methyl benzene)	50.0	60.0	120	50.0	46.0	92	26.4	75-125	<20
LCS									
o-Xylene	50.0	61.0	122	50.0	54.0	108	12.2	75-125	<20
m,p-Xylenes	100.0	104.0	104	100.0	92.0	92	12.2	75-125	<20

QC Batch Number: 05022000 / 05022000

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit
Benzene	50.0	50.0	100	75-125
Ethylbenzene	50.0	58.0	116	75-125
Toluene (Methyl benzene)	50.0	49.0	98	75-125
LCS				
o-Xylene	50.0	53.0	106	75-125
m,p-Xylenes	100.0	92.0	92	75-125



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ANALYTICAL RESULTS

Ordered By

Thrifty Oil Company
13539 E. Foster Road
Santa Fe Springs, CA 90670-

Site

TOC-SS#063
6125 Telegraph Ave.
Oakland, CA 94609

Telephone: (562)921-3581
Attn: Jeff Suryakusuma

Page: 6
Project ID: SS#063
Project Name: Quarterly Water Sampling

AETL Job Number	Submitted	Client
15313	04/20/2000	TOC

Method: 8260B, MTBE Confirmation by GC/MS (8260B) Analysis

QUALITY CONTROL REPORT

QC Batch Number: 05022000 / 05022000

Analytes	LCS	LCS	LCS	LCS DUP	LCS DUP	LCS DUP	LCS RPD	LCS/LCSD	LCS RPD	
	Concen	Recov	% REC	Concen	Recov	% REC	% REC	% Limit	% Limit	
Methyl-tert-butyl ether (MTBE)	50.0	47.0	94	50.0	52.5	105	11.1	75-125	<20	



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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

Data Qualifiers and Descriptors

Data Qualifier:

- B: Analyte was present in the Method Blank.
- D: Result is from a diluted analysis.
- E: Result is beyond calibration limits and is estimated.
- J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

- %Limi: Percent acceptable limits.
- %REC: Percent recovery.
- Con.L: Acceptable Control Limits
- Conce: Added concentration to the sample.
- LCS: Laboratory Control Sample
- MDL: Method Detection Limit
- MS: Matrix Spike
- MS DU: Matrix Spike Duplicate
- ND: Analyte was not detected in the sample at or above MDL.
- PQL: Practical Quantitation Limit
- Recov: Recovered concentration in the sample.
- RPD: Relative Percent Difference
-



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CHAIN OF CUSTODY RECORD

COMPANY **THRIFTY OIL CO.** PHONE **(562) 921-3581** AETL JOB No. **15313** Page **1** of **1**

PROJECT MANAGER **JEFF SURYARUSUNA** FAX _____

PROJECT NAME **Q.W.S.** PROJECT # _____

SITE NAME AND ADDRESS **35# 063 6125 TELEGRAPH AVE OAKLAND, CA. 94609**

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	ANALYSIS REQUESTED			TEST INSTRUCTIONS & COMMENT
							T	B	M	
MW-4	AE72553	04.19.00	13:00	WATER	3 VIALS	HCL	X	X	X	
MW-1	AE72554	↑	13:10	↑	3 VIALS	HCL	X	X	X	
MW-6	AE72555	↑	13:20	↑	3 VIALS	HCL	X	X	X	
MW-5	AE72556	↓	13:30	↓	3 VIALS	HCL	X	X	X	
TRIP BLANK	AE72557	↓	7:30	↓	2 VIALS	HCL	X	X		

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER:		
TOTAL NUMBER OF CONTAINERS	14	PROPERLY COOLED	Y / N / NA	1. Signature	2. Signature	3. Signature
CUSTODY SEALS	Y / N / NA	SAMPLES INTACT	Y / N / NA	1. Printed Name	2. Printed Name	3. Printed Name
RECEIVED IN GOOD COND.	Y / N	SAMPLES ACCEPTED	Y / N	1. Date	2. Date	3. Date
				1. Time	2. Time	3. Time

TURN AROUND TIME				RECEIVED BY:		
<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> 48 HRS.	1. Signature	2. Signature	3. Signature
		<input type="checkbox"/> 24 HRS.	<input type="checkbox"/> 72 HRS.	1. Printed Name	2. Printed Name	3. Printed Name
				1. Date	2. Date	3. Date
				1. Time	2. Time	3. Time

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

APPENDIX C

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: 06-26-00 06-30-00

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

FLOW METER READING: 63.034 / 63,318.4 ADJUSTED

SAMPLES OBTAINED: N/A

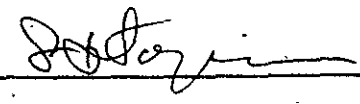
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

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: 06.25.00

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

FLOW METER READING: 62710

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: 1.2

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: *S. Serban*

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

NAME OF INSPECTOR: SERBATA P.

DATE OF INSPECTION: 06.16.00

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

FLOW METER READING: 61889

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]

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

NAME OF INSPECTOR: BERBOUT P.

DATE OF INSPECTION: 06.09.00

OBSERVATIONS AND
COMMENTS: Check oil, belt, hoses connection
clean water bag filter,

FLOW METER READING: 61163

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: 1.2

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: J. D. [Signature]

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

NAME OF INSPECTOR: SERRA P.

DATE OF INSPECTION: 06-01-00

OBSERVATIONS AND COMMENTS: check oil, hoses, clean water

filter bag

FLOW METER READING: 60539

SAMPLES OBTAINED: N/A

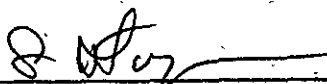
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 12

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

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: 

063

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

NAME OF INSPECTOR: SFRANCO P.

DATE OF INSPECTION: 05-26-00

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

FLOW METER READING: 60086

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: 1.3

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]



PROJECT STATUS REPORT
THRIFTY OIL CO. S.S. #063
6125 TELEGRAPH AVENUE
OAKLAND, CA 94609

DATE: 05-26-00

OBSERVATION WELLS

NO.	DTW	DTP	PT	DTB	DIA.	ODORS			F/P			
						YES	NO	S	YES	NO		
	MONTHLY											
MW-1	9.11			29.03	2"		X			X	-	-
MW-2	2										-	-
MW-3	15.12			28.22	6"		X			X	-	-
MW-4	13.81			29.15	2'		X			X	-	-
MW-5	14.43			26.28	4"		X			X	-	-
MW-6	13.10			26.87	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: MW-2 IS ABANDONED
Q.W.S.

FREE PRODUCT REMOVED: APPROX. GALLONS WATER REMOVED: APPROX. 70 GALLONS

DATA RECORDED BY: [Signature] INPUT BY: Carrie

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	# 063	Date:	05, 26, 00
Address:			
Personnel:	SERBATA	Weather:	JUNNY DAY
Well No:	MW-1	Equip:	BATLER

Before Purging:			
Total Well Depth: (ft.)	29.03	Well Diameter	2"
Depth to Water (ft)	9.11	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	1460	1420	1430	1410	1410
pH	6.14	6.11	6.04	6.11	6.08	6.04	6.01
Temp	71.1	70.8	70.5	70.4	70.2	69.9	69.6
Gal.	1	3	5	7	9	11	13
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	
Depth to Water (ft.)	6.40
Total Well Depth(ft.)	29.03

FIELD DATA - GROUNDWATER SAMPLING PROGRAM

Site:	# 063	Date:	05.26.00
Address:			
Personnel:	SERBATH	Weather:	SUNNY & WY
Well No:	MW-4	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	29.15	Well Diameter	2"
Depth to Water (ft)	13.81	Est. Purge Volume:	10

Sampling Data:								
Initial Turbidity:				Final Turbidity:				
Time	9:21	9:22	9:24	9:25	9:27	9:28	9:30	
EC	1210	1190	1160	1130	1140	1110	1120	
pH	6.11	6.09	6.06	6.02	5.97	5.94	5.96	
Temp	71.3	71.1	71.1	70.8	70.5	70.2	70.1	
Gal.	1	2	4	5	7	8	10	
Time								
EC								
pH								
Temp								
Gal.								

After Purging/Before Sample Collection	
Depth to Water (ft.)	9.62
Total Well Depth(ft).	29.15

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	# 063	Date:	05-26-00
Address:			
Personnel:	SERBANI	Weather:	SUNNY DAY
Well No:	MW-5	Equip:	BAUER

Before Purging:			
Total Well Depth: (ft.)	26.28	Well Diameter	4"
Depth to Water (ft)	14.43	Est. Purge Volume:	31

Sampling Data:							
	Initial Turbidity:			Final Turbidity:			
Time	9:44	9:48	9:53	9:57	10:01	10:05	10:10
EC	1430	1440	1420	1420	1410	1430	1410
pH	6.09	6.06	6.04	6.01	6.04	6.01	5.96
Temp	71.1	70.8	70.6	70.7	70.4	70.1	69.4
Gal.	4	8	13	17	22	26	31
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection	
Depth to Water (ft.)	10.12
Total Well Depth(ft.)	26.28

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	# 063	Date:	05-26-00
Address:			
Personnel:	SERBAN,	Weather:	JUNNY DAY
Well No:	MW-6	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	26.87	Well Diameter	4"
Depth to Water (ft)	13.10	Est. Purge Volume:	36

Sampling Data:							
	Initial Turbidity:			Final Turbidity:			
Time	8:29	8:34	8:39	8:44	8:49	8:54	9:00
EC	1390	1370	1380	1360	1330	1310	1320
pH	6.08	6.09	6.04	6.06	6.01	6.03	6.01
Temp	21.3	21.1	20.8	20.6	20.5	20.3	20.1
Gal.	5	10	15	20	25	30	36
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	9.40	Total Well Depth(ft.)	26.87

063

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

NAME OF INSPECTOR: SEBASTIAN P.

DATE OF INSPECTION: 05.18.00

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

FLOW METER READING: 59351

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: 1.2

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

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: SERBATA P.

DATE OF INSPECTION: 05-01-00

OBSERVATIONS AND COMMENTS: Check oil belt, replace water cartridge
clean water bag (filter)

FLOW METER READING: 587.16

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: 1.3

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: SEBASTIAN P.

DATE OF INSPECTION: 05-03-00

OBSERVATIONS AND COMMENTS: check belt oil, hoses, clean
main pipe, replace storage water filter

FLOW METER READING: 58.022

SAMPLES OBTAINED: 1/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: 1.3

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: Sebastian P.

063

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

NAME OF INSPECTOR: SERRA P

DATE OF INSPECTION: 04.19.00

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

FLOW METER READING: 56754

SAMPLES OBTAINED: yes

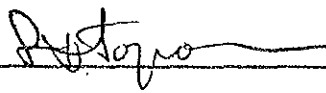
PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 14

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 12

PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.3

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: 

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: 04-14-00

OBSERVATIONS AND COMMENTS: ADD OIL, CLEAN WATER BAG, REPLACE WATER CARTRIDGE, CHECK HOSES AND BELT.

FLOW METER READING: 56470

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: 1.3

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: JERBAH, P.

DATE OF INSPECTION: 04-07-00

OBSERVATIONS AND COMMENTS: CHECK OIL, BELT, REPLACE CARTRIDGE WATER

FILTER, CLEAN BAG FILTER

FLOW METER READING: 55750

SAMPLES OBTAINED: NO

PRESSURE GAUGE READING UP STREAM OF THE BAG FILTER: 13

PRESSURE GAUGE READING DOWN STREAM OF THE CARTRIDGE FILTER: 11

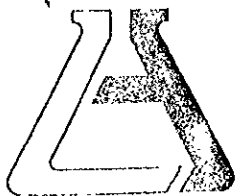
PRESSURE GAUGE READING DOWN STREAM OF THE PRIMARY GAC UNIT: 1.1

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: [Signature]

APPENDIX D



ASSOCIATED LABORATORIES

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

FAX 714/538-1209

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

LAB REQUEST 54983

REPORTED 07/07/2000

RECEIVED 06/19/2000

PROJECT Station #063
6125 Telegraph Ave., Oakland

SUBMITTER Client

COMMENTS MTBE included in gasoline result.

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.

192633

192634

192635

Client Sample Identification

TOC #063, Outlet

TOC #063, Intermed

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.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 192633

Client: Thrifty Oil

Matrix: WATER

Client Sample ID: TOC #063, Outlet

Date Sampled: 06/16/2000

Time Sampled: 10:00

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
8021B BTEX + MTBE					
Benzene	ND	1	0.3	ug/L	07/03/00 HP
Ethyl benzene	ND	1	0.3	ug/L	07/03/00 HP
Methyl t - butyl ether	ND	1	5	ug/L	07/03/00 HP
Toluene	ND	1	0.3	ug/L	07/03/00 HP
Xylene (total)	ND	1	0.6	ug/L	07/03/00 HP
8015M - Total Petroleum Hydrocarbons					
Gasoline	ND	1	50	ug/L	07/03/00 HP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES Analytical Results Report



Order #: 192634

Client: Thrifty Oil

Matrix: WATER

Client Sample ID: TOC #063, Intermed

Date Sampled: 06/16/2000

Time Sampled: 10:10

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
8021B BTEX + MTBE					
Benzene	ND	1	0.3	ug/L	07/03/00 HP
Ethyl benzene	ND	1	0.3	ug/L	07/03/00 HP
Methyl t - butyl ether	ND	1	5	ug/L	07/03/00 HP
Toluene	ND	1	0.3	ug/L	07/03/00 HP
Xylene (total)	ND	1	0.6	ug/L	07/03/00 HP
8015M - Total Petroleum Hydrocarbons					
Gasoline	ND	1	50	ug/L	07/03/00 HP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES Analytical Results Report



Order #: 192635

Client: Thrifty Oil

Matrix: WATER

Client Sample ID: TOC #063, Inlet

Date Sampled: 06/16/2000

Time Sampled: 10:15

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
8021B BTEX + MTBE					
Benzene	ND	1	0.3	ug/L	07/03/00 HP
Ethyl benzene	ND	1	0.3	ug/L	07/03/00 HP
Methyl t - butyl ether	3,740	500	2500.0	ug/L	07/03/00 HP
Toluene	ND	1	0.3	ug/L	07/03/00 HP
Xylene (total)	ND	1	0.6	ug/L	07/03/00 HP
8015M - Total Petroleum Hydrocarbons					
Gasoline	3,820	1	50	ug/L	07/03/00 HP

DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES Analytical Results Report



ASSOCIATED LABORATORIES
QA REPORT FORM

QC Sample: LR 55062 - 877

Matrix: WATER

Prep. Date: 07/03/00

Analysis Date: 07/03/00 - 07/04/00

LAB ID#'s in Batch: LR 55556, 55557, 55062, 55098, 55097, 54983

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	5.0	4.15	4.05	83.0	81.0	2.4
Toluene	8021	ND	5.0	5.10	5.00	102.0	100.0	2.0
Ethylbenzene	8021	ND	5.0	5.45	5.35	109.0	107.0	1.9
Xylenes	8021	ND	15.0	16.50	16.20	110.0	108.0	1.8

* - 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	8.0	9.0	88.9	80%	120%
Toluene	8021	ND	9.7	9.0	107.8	80%	120%
Ethylbenzene	8021	ND	10.4	9.0	115.6	80%	120%
Xylenes	8021	ND	31.4	27.0	116.3	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 55062 - 877
 Matrix: WATER
 Prep. Date: 07/03/00
 Analysis Date: 07/03/00 - 07/04/00
 ID#'s in Batch: LR 55556, 55557, 55062, 55098, 55097, 54983

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	519	566	103.8	113.2	8.7

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	431	400	107.8	80%	120%

LCS Result = Lab Control Sample Result

True = True Value of LCS

L.Limit / H.Limit = LCS Control Limits



54983

CHAIN OF CUSTODY RECORD

806 N. BAYVIEW, ORANGE 92868

COMPANY T.O.C. PHONE (562) 921-3581 AETL JOB No. _____ Page 1 of 1

PROJECT MANAGER KEEF JURY ARUSUMA FAX HIA 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	P	H	X						
OUTLET		06.16.00	10:00	WATER	2 VIALS	HCL	X	X									
INTERMED		06.16.00	10:10	WATER	2	HCL	X	X									
INLET		06.16.00	10:15	WATER	2	HCL	X	X									
Empty rows 4-15																	

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY				RELINQUISHED BY SAMPLER:	1.	RELINQUISHED BY:	2.	RELINQUISHED BY:	3.
TOTAL NUMBER OF CONTAINERS	PROPERLY COOLED Y/N/NA	CUSTODY SEALS Y/N/NA	SAMPLES INTACT Y/N/NA	Signature:	<u>[Signature]</u>	Signature:		Signature:	
RECEIVED IN GOOD COND. Y/N	SAMPLES ACCEPTED Y/N	Date:	Time:	Printed Name:	<u>S. P. [Name]</u>	Date:	Time:	Printed Name:	
TURN AROUND TIME				RECEIVED BY:	1.	RECEIVED BY:	2.	RECEIVED BY LABORATORY:	3.
<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> 48 HRS.	Signature:	<u>[Signature]</u>	Signature:		Signature:	
	<input type="checkbox"/> 24 HRS.	<input type="checkbox"/> 72 HRS.	Date:	Printed Name:	<u>[Name]</u>	Date:	Time:	Printed Name:	
				Date:	<u>06/16/00</u>	Date:	Time:	Date:	Time:



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 53953

REPORTED 06/21/2000

RECEIVED 05/30/2000

PROJECT System Sampling - Station #063

SUBMITTER Client

COMMENTS Added 8260 MTBE per DR 6-15-00 AV

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.

187774

Client Sample Identification

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.

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TESTING & CONSULTING
Chemical
Microbiological
Environmental

Order #: 187774

Client: Thrifty Oil

Matrix: WATER

Client Sample ID: TOC #063 Inlet

Date Sampled: 05/26/2000

Time Sampled: 11:20

Sampled By:

Analyte	Result	DF	DLR	Units	Date/Analyst
8021B BTEX + MTBE					
Benzene	ND	2	0.6	ug/L	06/09/00 HP
Ethyl benzene	85	2	0.6	ug/L	06/09/00 HP
Methyl t - butyl ether	8,350	333	1665.0	ug/L	06/09/00 HP
Toluene	2.0	2	0.6	ug/L	06/09/00 HP
Xylene (total)	80	100	60.0	ug/L	06/09/00 HP

8260B Volatile Organic Compounds

Methyl-tert-butylether (MTBE)	4,810	200	1000.0	ug/L	06/21/00 DP
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8015M - Total Petroleum Hydrocarbons

Gasoline	923	2	100	ug/L	06/09/00 HP
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DLR = Detection limit for reporting purposes, ND = Not Detected below indicated detection limit, DF = Dilution Factor

ASSOCIATED LABORATORIES Analytical Results Report



**ASSOCIATED LABORATORIES
QA REPORT FORM**

QC Sample: LR 54002 - 864
 Matrix: WATER
 Prep. Date: 06/09/00
 Analysis Date: 06/09/00
 ID#'s in Batch: LR 54002, 53953, 53963, 54006, 53954, 53943, 53955, 53952, 54021, 54525, 54127

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	400	392	411	98.0	102.8	4.7

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	387	400	96.8	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 54002 - 864
 Matrix: WATER
 Prep. Date: 06/09/00
 Analysis Date: 06/09/00
 LAB ID#'s in Batch: LR 54002, 53953, 53963, 54006, 53954, 53943, 53955, 53952, 54021,
 LR 54525, 54525, 54127

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	7.0	8.1	7.9	115.7	112.9	2.5
Toluene	8021	ND	7.0	7.4	6.8	105.7	97.1	8.5
Ethylbenzene	8021	ND	7.0	6.6	6.0	94.3	85.7	9.5
Xylenes	8021	ND	21.0	20.0	19.4	95.2	92.4	3.0

* = 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	9.3	10.0	93.0	80%	120%
Toluene	8021	ND	8.7	10.0	87.0	80%	120%
Ethylbenzene	8021	ND	8.5	10.0	85.0	80%	120%
Xylenes	8021	ND	26.4	30.0	88.0	80%	120%

LCS = 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

Matrix: WATER

Method : 8260

Analysis Date: 06/20/00

Applies to: LR 53938, 53943, 53954, 54006, 53953

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	31.50	30.31	63.0	60.6	3.9	22	59-172
MTBE	ND	50.0	87.31	70.62	174.6	141.2	21.1	24	62-137
Benzene	ND	50.0	61.91	55.71	123.8	111.4	10.5	24	62-137
Trichloroethene	ND	50.0	44.72	43.19	89.4	86.4	3.5	21	66-142
Toluene	ND	50.0	56.12	52.61	112.2	105.2	6.5	21	59-139
Chlorobenzene	ND	50.0	48.70	50.95	97.4	101.9	4.5	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



ASSOCIATION LABORATORIES
 Environmental Testing Laboratory Inc.
 2724 North Naomi Street Burbank, CA 91504 • DOHS NO. 154 • CALIF. LAB. NO. 10181
 Tel. (818) 286-7424 Fax (818) 845-8200 • Tel. (818) 845-8840
 806 N. BATAVIA CA. 92686

CHAIN OF CUSTODY RECORD

COMPANY T. O. C.		PHONE (562) 921-3581		AETL JOB No. _____		Page _____ of _____																							
PROJECT MANAGER JEFF JURYAKUSUMI		FAX H/A		ANALYSIS REQUESTED				TEST INSTRUCTIONS & COMMENTS																					
PROJECT NAME System Sampling		PROJECT # 063																											
SITE NAME AND ADDRESS 6125 TELEGRAPH AVE OAKLAND, CA. 94609				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> <td style="width:5%;"></td> </tr> <tr> <td style="text-align: center;">T</td> <td style="text-align: center;">M</td> <td style="text-align: center;">B</td> <td style="text-align: center;">H</td> <td style="text-align: center;">E</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> <td style="text-align: center;">X</td> </tr> </table>														T	M	B	H	E	X	X	X	X	X	<p>*CONFIRM MTBE BY 8260 IF DETECTABLE</p>	
T	M	B	H	E	X	X	X	X	X																				
SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.																							
1 INLET		05.26.00	11:20	WATER	3 VIALS	HCL																							
2																													
3																													
4																													
5																													
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	PROPERLY COOLED Y / N / NA			Signature	AID	Signature		Signature	
CUSTODY SEALS Y / N / NA	SAMPLES INTACT Y / N / NA			Printed Name	SKRBY P	Printed Name		Printed Name	
RECEIVED IN GOOD COND. Y / N	SAMPLES ACCEPTED Y / N			Date	05.26.00	Time	13:00	Date	
TURN AROUND TIME				RECEIVED BY: 1.		RECEIVED BY: 2.		RECEIVED BY: LABORATORY: 3.	
<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> 48 HRS.	Signature	[Signature]	Signature		Signature	
		<input type="checkbox"/> 24 HRS.	<input type="checkbox"/> 72 HRS.	Printed Name	ARON DEMPSEY	Printed Name		Printed Name	
				Date	5-30-00	Time	10:00	Date	

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator



American Environmental Testing Laboratory Inc.

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Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

Ordered By

Thrifty Oil Company
13539 E. Foster Road
Santa Fe Springs, CA 90670-

Telephone: (562) 921-3581
Attention: Jeff Suryakusuma

Number of Pages 4
Date Received 04/20/2000
Date Reported 05/22/2000

Job Number	Order Date	Client
15312	04/20/2000	TOC

Project ID: #063
Project Name: System Sampling
Site: TOC-#063
6125 Telegraph Ave.
Oakland, CA 94609

Enclosed please find results of analyses of 3 water samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

Joe Seavey

Approved By:

C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director



American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

Thrifty Oil Company
 13539 E. Foster Road
 Santa Fe Springs, CA 90670-

Site

TOC-#063
 6125 Telegraph Ave.
 Oakland, CA 94609

Telephone: (562)921-3581
 Attn: Jeff Suryakusuma

Page: 2
 Project ID: #063
 Project Name: System Sampling

AETL Job Number	Submitted	Client
15312	04/20/2000	TOC

Method: 8020A/M8015G, Aromatic Volatile Organics Using GC

QC Batch Number: 05032000 / 05032000

Our Lab I.D.			AE72550	AE72551			
Client Sample I.D.			EFFLUENT	INTERMED			
Date Sampled			04/19/2000	04/19/2000			
Date Prepared			05/03/2000	05/03/2000			
Preparation Method			5030B	5030B			
Date Analyzed			05/03/2000	05/03/2000			
Matrix			Aqueous	Aqueous			
Units			ug/L	ug/L			
Dilution Factor			1	1			
Analytes	MDL	PQL	Results	Results			
Benzene	0.25	0.50	ND	1.0			
Ethylbenzene	0.25	0.50	ND	ND			
Toluene (Methyl benzene)	0.25	0.50	ND	ND			
Xylenes (Total)	0.50	1.00	ND	ND			
TPH as Gasoline and Light HC. (C4-C12)	5.0	10.0	ND	ND			

Our Lab I.D.			AE72550	AE72551			
Surrogates	Con. Limit		% Rec.	% Rec.			
Bromofluorobenzene	75-125		86	99			
Trifluorotoluene	75-125		101	112			



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ANALYTICAL RESULTS

Ordered By

Thrifty Oil Company
 13539 E. Foster Road
 Santa Fe Springs, CA 90670-

Site

TOC-#063
 6125 Telegraph Ave.
 Oakland, CA 94609

Telephone: (562)921-3581
 Attn: Jeff Suryakusuma

Page: 3
 Project ID: #063
 Project Name: System Sampling

AETL Job Number	Submitted	Client
15312	04/20/2000	TOC

Method: 8020A/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC. by GC

QC Batch Number: 05032000 / 05032000

Our Lab I.D.			AE72552	
Client Sample I.D.			Method Blank	INFLUENT
Date Sampled			04/19/2000	04/19/2000
Date Prepared			05/03/2000	05/03/2000
Preparation Method			5030B	5030B
Date Analyzed			05/03/2000	05/03/2000
Matrix			Aqueous	Aqueous
Units			ug/L	ug/L
Dilution Factor			1	1
Analytes	MDL	PQL	Results	Results
Benzene	0.25	0.50	ND	1.3
Ethylbenzene	0.25	0.50	ND	ND
Toluene (Methyl benzene)	0.25	0.50	ND	ND
Xylenes (Total)	0.50	1.00	ND	ND
Methyl-tert-butyl ether (MTBE)	5.0	10.0	ND	ND
TPH as Gasoline and Light HC. (C4-C12)	50	100	ND	ND

Our Lab I.D.			AE72552	
Surrogates	Con. Limit		% Rec.	% Rec.
Bromofluorobenzene	75-125		96	97
Trifluorotoluene	75-125		119	111



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ANALYTICAL RESULTS

Ordered By

Thrifty Oil Company
 13539 E. Foster Road
 Santa Fe Springs, CA 90670-

Site

TOC-#063
 6125 Telegraph Ave.
 Oakland, CA 94609

Telephone: (562)921-3581
 Attn: Jeff Suryakusuma

Page: 4
 Project ID: #063
 Project Name: System Sampling

AETL Job Number	Submitted	Client
15312	04/20/2000	TOC

Method: 8020A/M8015G, Aromatic Volatile Organics Using GC

QUALITY CONTROL REPORT

QC Batch Number: 05032000 / 05032000

Analytes	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	50.0	48.5	97	50.0	47.0	94	3.1	75-125	<20
Ethylbenzene	50.0	57.0	114	50.0	56.5	113	<1	75-125	<20
Toluene (Methyl benzene)	50.0	46.5	93	50.0	45.0	90	3.3	75-125	<20
LCS									
m,p-Xylenes	100.0	92.0	92	100.0	90.0	90	2.2	75-125	<20
o-Xylene	50.0	53.0	106	50.0	52.5	105	<1	75-125	<20

QC Batch Number: 05032000 / 05032000

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit
Benzene	50.0	46.5	93	75-125
Ethylbenzene	50.0	55.0	110	75-125
Toluene (Methyl benzene)	50.0	45.0	90	75-125
LCS				
m,p-Xylenes	100.0	88.0	88	75-125
o-Xylene	50.0	50.0	100	75-125



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Data Qualifiers and Descriptors

Data Qualifier:

- B: Analyte was present in the Method Blank.
- D: Result is from a diluted analysis.
- E: Result is beyond calibration limits and is estimated.
- J: Analyte was detected. However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

- %Limi: Percent acceptable limits.
- %REC: Percent recovery.
- Con.L: Acceptable Control Limits
- Conce: Added concentration to the sample.
- LCS: Laboratory Control Sample
- MDL: Method Detection Limit
- MS: Matrix Spike
- MS DU: Matrix Spike Duplicate
- ND: Analyte was not detected in the sample at or above MDL.
- PQL: Practical Quantitation Limit
- Recov: Recovered concentration in the sample.
- RPD: Relative Percent Difference
-



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CHAIN OF CUSTODY RECORD

COMPANY THRIFTY oil co. PHONE (562) 921-3581 AETL JOB No. 15312 Page 1 of 1

PROJECT MANAGER Jeef Suryabusuma FAX _____ ANALYSIS REQUESTED _____ TEST INSTRUCTIONS & COMMENT _____

PROJECT NAME SYSTEM SAMPLING PROJECT # _____

SITE NAME AND ADDRESS # 063 6125 TELEGRAPH AVE OAKLAND, CA 94609.

SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.	T	P	H	M	B	MTBE	SS.
1	EFFLUENT	AET2550	04.19.00	11:00	WATER	2 VIALS	HCL	X	X				
2	INTERMED	AET2551	04.19.00	11:10	WATER	2 VIALS	HCL	X	X				
3	INFLUENT	AET2552	04.19.00	11:20	WATER	2 VIALS	HCL	X	X	X			
4													
5													
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	<u>6</u>	PROPERLY COOLED	<u>Y</u> /N/NA	Signature <u>[Signature]</u>	Signature	Signature
CUSTODY SEALS	Y/N/NA	SAMPLES INTACT	<u>Y</u> /N/NA	Printed Name <u>JERBOTH P.</u>	Printed Name	Printed Name
RECEIVED IN GOOD COND.	<u>Y</u> /N	SAMPLES ACCEPTED	<u>Y</u> /N	Date <u>04.19.00</u> Time <u>17:00</u>	Date	Time
TURN AROUND TIME				RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY LABORATORY: 3.
<input checked="" type="checkbox"/> NORMAL	<input type="checkbox"/> RUSH	<input type="checkbox"/> SAME DAY	<input type="checkbox"/> 48 HRS.	Signature	Signature	Signature <u>[Signature]</u>
		<input type="checkbox"/> 24 HRS.	<input type="checkbox"/> 72 HRS.	Printed Name	Printed Name	Printed Name <u>Joe Sevelen</u>
				Date	Time	Date <u>4-20-00</u> Time <u>10:00</u>

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator