THRIFTY OIL CO.

August 5, 1999 O.11850

Ms. Juliet Shin
Department of Environmental Health
Hazardous Materials Specialist
1131 Harbor Bay Parkway
Suite 250
Alameda, CA 94502-6577

RE: **Thrifty Oil Co. Station #052**
20200 Hesperian Blvd.
Hayward, CA 94541
2nd Quarterly 1999, Status Report

Dear Ms. Shin:

Presented herewith is the Second Quarter 1999, Status Report for the above referenced site, submitted for your review and files.

Based on the historical data and the most recent groundwater sampling results, **Thrifty believes that it has fulfilled its obligations and respectfully requests closure for this case.** Any other releases which may have been discovered or may occur should be ARCO's responsibility, because they have leased and operated the site since September 25, 1986.

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

Sincerely Yours,

Chris Panaitescu
General Manager
Environmental Affairs

c: ARCO Products Company
File

13539 E. Foster Rd., Santa Fe Springs, CA 90670-0138 • (562) 923-9876

THRIFTY OIL CO.

July 29, 1999

Ms. Juliet Shin
Department of Environmental Health
Hazardous Materials Specialist
1131 Harbor Bay Parkway
Suite 250
Alameda, CA 94502-6577

RE: **Former Thrifty Oil Co. Station #052**
20200 Hesperian Boulevard
Hayward, CA 94541
2nd Quarterly 1999, Status Report

Dear Ms. Shin:

Presented herein is the Second Quarter 1999, Status Report prepared for Former Thrifty Oil Station #052 located at 20200 Hesperian Boulevard, Hayward, California 94541 (**Figure 1**). Presented in this report are the results of the quarterly groundwater monitoring program conducted during the Second Quarter 1999. Thrifty Oil Co. (Thrifty) has retained the services of Earth Management Company (EMC) to conduct quarterly monitoring and sampling activities at the site.

Groundwater Monitoring

Depth to groundwater is measured in each monitoring well on a quarterly basis. Historical gauging data obtained from December 1991 through April 29, 1999 are presented in **Table 1**. In general, groundwater occurs under water table conditions beneath the station at depths ranging from 5.93 feet from top of casing (toc) in monitoring well MW-3 to 13.80 feet from toc in monitoring well A-6. A groundwater elevation contour map based upon April 29, 1999 data is presented as **Figure 1**. The groundwater regime has two lows and is saddle shaped. Consequently, there is no perferred flow direction.

Groundwater Sampling

As part of the on-going groundwater monitoring program, groundwater samples were obtained from monitoring wells AR-1, AR-2, MW-1, MW-2, MW-3, A-4, A-5, A-6, A-7, A-8, A-9, and A-10 on April 29, 1999. Each sample was collected using a disposal bailer. 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) by EPA method 8015 modified for gasoline, and for benzene, toluene, ethylbenzene, xylenes, and MTBE by EPA method 8020. Any samples detected with MTBE were confirmed by EPA method 8260.

A summary of historical analytical sampling results are provided in **Table 1.** Copies of the EMC Project Status Report are presented in **Appendix A**, and copies of the laboratory analytical results with Chain-of-Custody are contained in **Appendix B**.

All samples collected for TPH-g for gasoline, and benzene were below the laboratory detection limits. MTBE samples above the detection limit of 5 ug/L were in monitoring wells MW-1 (17 ug/L), and MW-2 (16 ug/L), all other samples were below the detection limits. TPH-g and benzene concentrations were plotted on **Figures 2** and **3**. An MTBE isoconcentration map is presented in **Figure 4**.

DISPENSER SAMPLING

On May 27, 1999, a Thrifty geologist, Mr. Raymond C. Friedrichsen, met Ms. Juliet Shin and Mr. Robert Weston of the Alameda County Health Agency to observe the collection of soil samples beneath selected gasoline dispensers. All dispensers were inspected by the agency, and four soil samples were collected by Thrifty at the agency's discretion. One sample (6E) was collected approximately 2.5 feet below ground surface (bgs) from beneath dispenser #6, one sample (7E) was collected approximately 2.5 feet bgs from beneath dispenser #7, and two samples (8N and 8E) were collected approximately 2.5 and 3 feet bgs from beneath dispenser #8. All sample locations are plotted on **Figure 5**.

The reason for this sampling event is because Mr. Robert Weston noticed that a valve was dripping gasoline from dispenser #8 where an ARCO representative was working on this dispenser. Mr. Weston stated that this event happen on December 11, 1998.

A stainless steel shovel was washed with water in a three bucket rinse after each use, then used to dig beneath each dispenser a sample was collected to approximately one foot into the native clay soil. Four soil samples were collected by using a two inch brass tubes. All samples were collected by covering one end of the tube with a Teflon sheet and an end cap, then placing the open end into the hole and hand pushing until the tube was full of soil. The open of the brass tube was then covered with Teflon, capped, labeled and placed in an ice chest. The samples were forwarded for analysis along with a chain of custody to American Analytical Laboratory, a state certified laboratory located in Chatsworth, California.

The samples were analyzed for total petroleum hydrocarbons (TPH-g) by EPA method 8015. Benzene, toluene, ethylbenzene, xylenes (BTEX), and MTBE samples were analyzed by EPA method 8020. If MTBE was detected it was verified by EPA method 8260. The laboratory analytical results for soil samples 6E and 7E were below the detection limits for TPH-g (1 mg/kg), benzene (0.005 mg/kg), and MTBE (20 mg/kg). The laboratory analytical concentrations for soil samples 8E and 8N were 8.4 and 2400 mg/kg for TPH-g, below the detection limit of (0.005) and 0.38 mg/kg for benzene, and **2,200 and 10,000 ug/L for** MTBE, respectively. These laboratory results are in **Appendix C**.

ug/kg?

CONCLUSIONS

Thrifty requested closure of this site on August 22, 1998. Because of the results of the recent groundwater sampling events, Thrifty feels that it has fulfilled its obligations, and that no further action should be required by Thrifty. Per our understanding, the observed release will be assigned to ARCO by your office. Please forward to Thrifty, a copy of your notification to ARCO assigning them responsibility for the December 1998 release.

As an interim measure, and until site closure is obtained, Thrifty requests that the frequency of groundwater monitoring be reduced to semi-annually.

All interpretations for soil sampling expressed in this report are based upon review of data collected by a Thrifty geologist, and interpretations for groundwater expressed in this report are based upon review of data collected by EMC. Should you have any questions or require additional information, please contact the undersigned at (562) 921-3581, X376.

Prepared by:

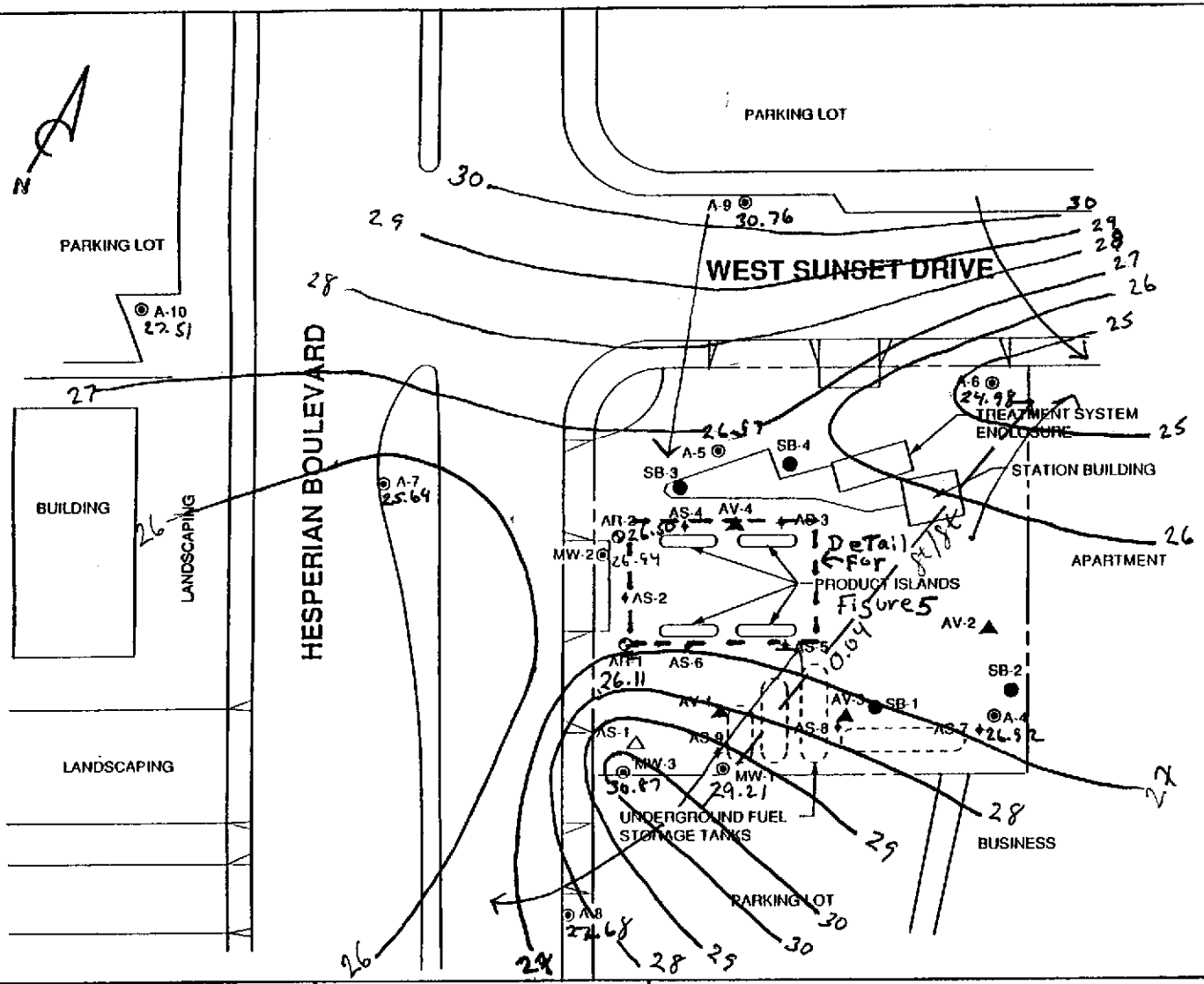
Raymond C. Friedrichsen
Project Manager
Environmental Geologist

Reviewed by:

Russell Powers, RG
CA Registration #4549
Project Manager

REGISTERED GEOLOGIST
RUSSELL POWERS
4549
STATE OF CALIFORNIA

FIGURES



LEGEND

- A-9 ◉ GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- AR-1 ◉ GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION
- AV-2 ▲ SOIL VAPOR EXTRACTION WELL LOCATION AND DESIGNATION
- AS-2 ♦ AIR SPARGING WELL LOCATION AND DESIGNATION
- AS-1 △ DUAL AIR SPARGE/SOIL VAPOR EXTRACTION WELL LOCATION AND DESIGNATION
- SB-3 ● SOIL BORING LOCATION AND DESIGNATION

GROUNDWATER CONTOUR MAP

THRIFTY OIL CO.

4-29-99

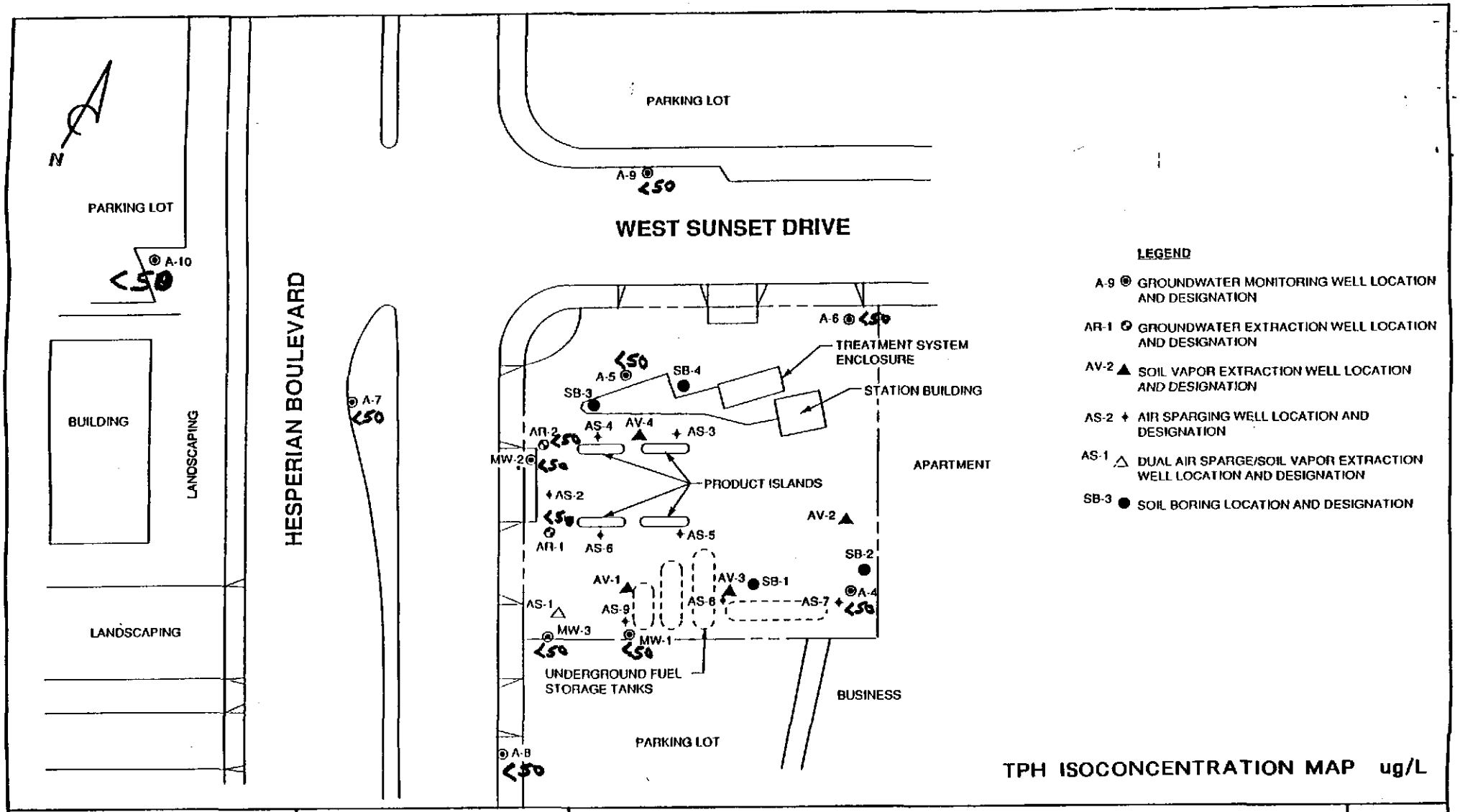
SCALE

0 40 80 FEET

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

WELL LOCATION MAP

FIGURE: 1



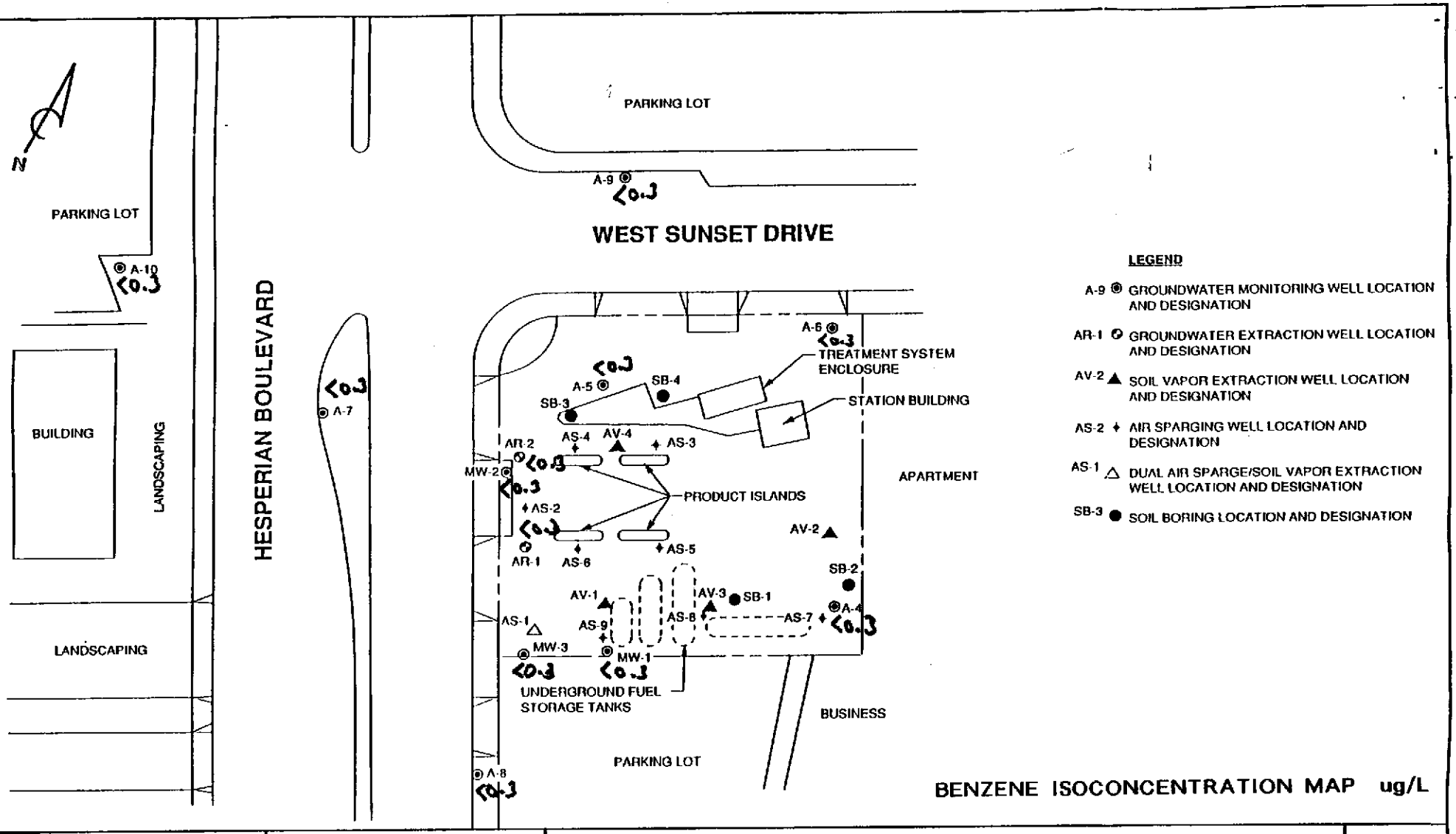
THRIFTY OIL CO.
4-29-99

SCALE
0 40 80 FEET

ARCO SERVICE STATION 5367
20200 Hesperian Boulevard at West Sunset Drive
Hayward, California

WELL LOCATION MAP

FIGURE:
2



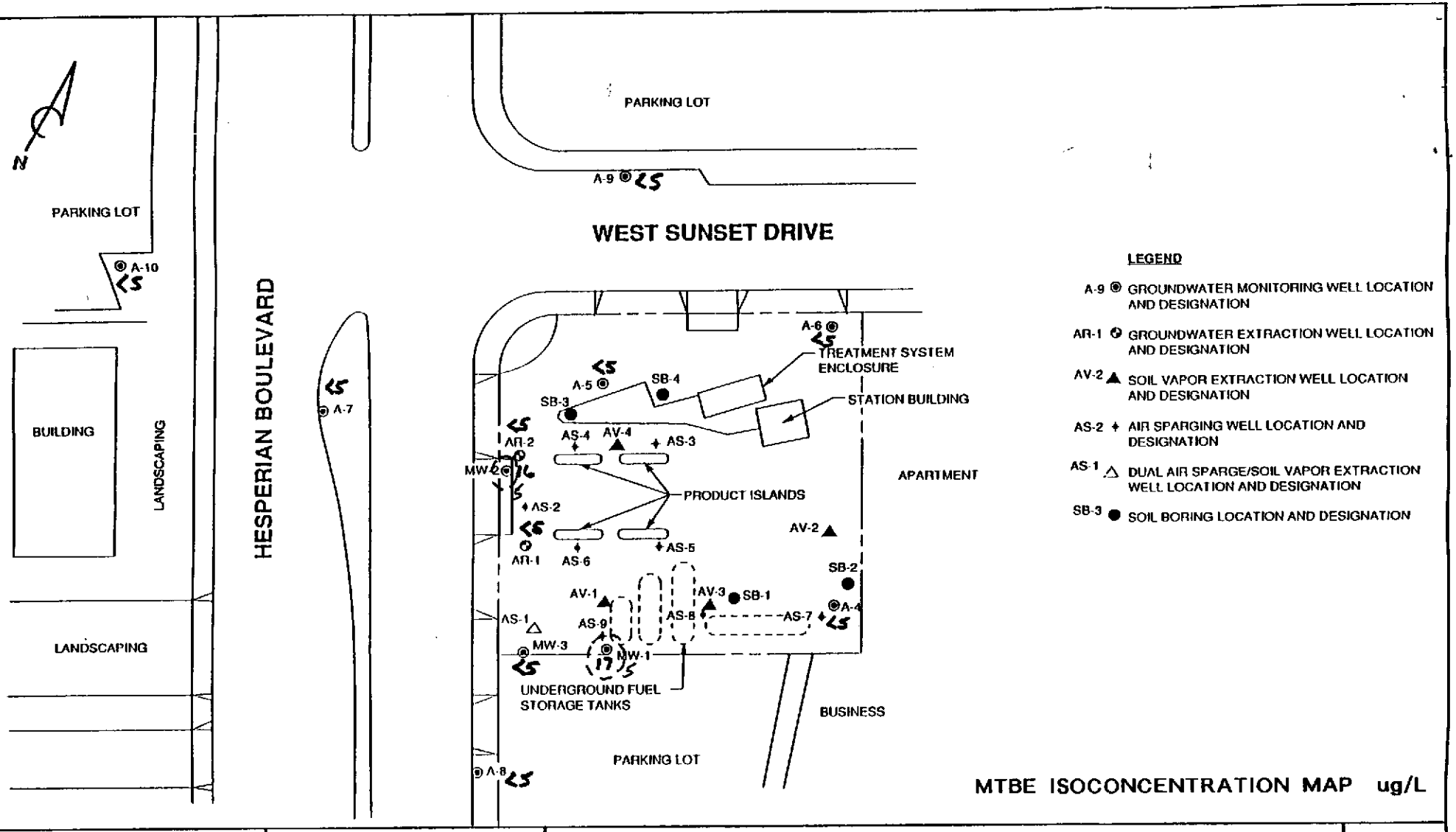
THRIFTY OIL CO.
4-29-99

SCALE
0 40 80 FEET

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

WELL LOCATION MAP

FIGURE:
3



THRIFTY OIL CO.
4-29-99

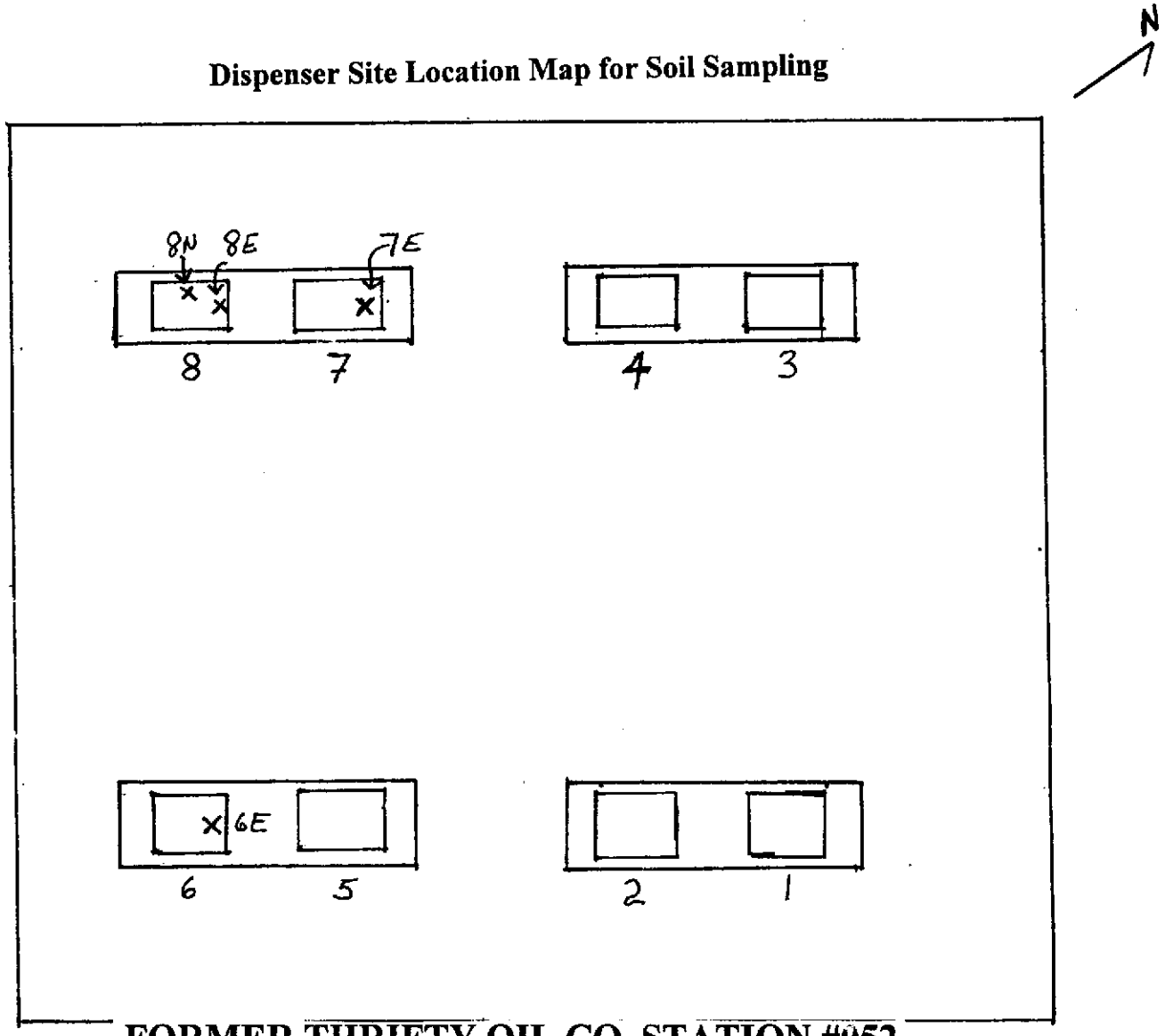
SCALE
0 40 80 FEET

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

WELL LOCATION MAP

FIGURE:
4

Dispenser Site Location Map for Soil Sampling



FORMER THRIFTY OIL CO. STATION #052

ARCO SERVICE STATION #5387

20200 Hesperian Boulevard at West Sunset Drive

Hayward, California

0 10 20 Feet

MAY 27, 1999

FIGURE 5

TABLE(S)

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #052, HAYWARD, 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 AR-1											
09/14/92	820	67	<1.0	8.8	6.7	-	15.21	NP	0.00	38.11	22.90
11/12/92	140	66	<0.5	4.3	3.7	-	15.36	NP	0.00	38.11	22.75
02/11/93	360	190	<2.5	8.6	<2.5	-	12.81	NP	0.00	38.11	25.30
04/14/93	420	240	5.2	30	8.7	-	11.77	NP	0.00	38.11	26.34
08/12/93	370	150	<2	11	<2	-	13.55	NP	0.00	38.11	24.56
10/26/93	240	98	<2	11	<2	-	13.98	NP	0.00	38.11	24.13
02/17/94	4,700	1,100	<10	140	26	-	12.15	NP	0.00	37.46	25.31
05/03/94	620	130	1.3	48	4.3	-	12.03	NP	0.00	37.46	25.43
08/17/94	3,600	630	<5	200	12	-	12.92	NP	0.00	37.33	24.41
11/18/94	12,100	720	6.1	337	15	-	12.41	NP	0.00	37.33	24.92
09/26/95	ND	8.3	ND	ND	ND	-	11.34	NP	0.00	37.46	26.12
12/06/95	120	20	ND	20	0.6	-	11.87	NP	0.00	37.46	25.59
02/14/96	ND	ND	ND	ND	0.52	-	10.48	NP	0.00	37.46	26.98
10/29/96	ND	ND	0.99	ND	ND	-	11.80	NP	0.00	37.46	25.66
01/29/97	<50	0.41	<0.3	<0.3	<0.3	<20	11.25	NP	0.00	37.46	26.21
04/30/97	<20	<0.3	<0.3	<0.3	<0.5	<50	12.24	NP	0.00	37.46	25.22
07/31/97	<50	<0.3	<0.3	<0.3	<0.5	<20	10.80	NP	0.00	37.46	26.66
10/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	11.90	NP	0.00	37.46	25.56
01/28/98	<50	<0.3	<0.3	<0.3	<0.5	<20	11.20	NP	0.00	37.46	26.26
04/22/98	<50	<0.3	<0.3	<0.3	<0.5	<20	12.20	NP	0.00	37.46	25.26
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	9.10	NP	0.00	37.46	28.36
10/22/98	270	2.1	<0.3	3.6	<0.5	190	9.80	NP	0.00	37.46	27.66
01/13/99	<50	<0.3	<0.3	<0.3	<0.5	<20	10.10	NP	0.00	37.46	27.36
04/29/99	<50	<0.3	<0.3	<0.3	<0.5	<5	11.35	NP	0.00	37.46	26.11
Monitoring Well AR-2											
03/30/93	390	4.1	1.6	<0.5	47	-	11.53	NP	0.00	38.39	26.86
04/14/93	310	18	<0.5	0.67	36	-	11.87	NP	0.00	38.39	26.52
08/12/93	130	16	<0.5	1.7	0.57	-	13.59	NP	0.00	38.39	24.80
10/26/93	110	15	<0.5	1.8	<0.5	-	14.25	NP	0.00	38.39	24.14
02/17/94	130	2.9	<0.5	15	0.8	-	12.76	NP	0.00	37.98	25.22

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #052, HAYWARD, CA

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
05/03/94	<50	<0.5	<0.5	<0.5	<0.5	-	12.60	NP	0.00	37.98	25.38
08/17/94	3,000	140	140	220	91	-	13.86	NP	0.00	38.18	24.32
11/18/94	623	10.5	10.5	27.9	8.0	-	13.33	NP	0.00	38.18	24.85
09/26/95	ND	ND	ND	ND	ND	-	11.67	NP	0.00	37.98	26.31
12/06/95	320	12	12	23	2.1	-	12.32	NP	0.00	37.98	25.66
02/14/96	ND	ND	ND	ND	0.76	-	10.74	NP	0.00	37.98	27.24
10/29/96	ND	ND	ND	ND	ND	-	11.95	NP	0.00	37.98	26.03
01/29/97	<50	<0.3	<0.3	<0.3	<0.5	<20	11.35	NP	0.00	37.98	26.63
04/30/97	<20	<0.3	<0.3	<0.3	<0.5	<50	12.15	NP	0.00	37.98	25.83
07/31/97	<50	<0.3	<0.3	<0.3	<0.5	<20	11.20	NP	0.00	37.98	26.78
10/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	12.14	NP	0.00	37.98	25.84
01/28/98	<50	<0.3	<0.3	<0.3	<0.5	<20	10.05	NP	0.00	37.98	27.93
04/22/98	<50	<0.3	<0.3	<0.3	<0.5	<20	12.10	NP	0.00	37.98	25.88
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	9.50	NP	0.00	37.98	28.48
10/22/98	<50	<0.3	<0.3	<0.3	<0.5	<5	10.45	NP	0.00	37.98	27.53
01/13/99	<50	<0.3	0.40	<0.3	0.53	<20	10.50	NP	0.00	37.98	27.48
04/29/99	<50	<0.3	<0.3	<0.3	0.82	<5	11.48	NP	0.00	37.98	26.50
Monitoring Well #MW-1											
08/08/86	7,040	132	8.7	439	230	-	11.25	NP	0.00	38.36	27.11
12/24.91	2,200	190	8.5	6.9	2.6	-	16.12	NP	0.00	38.36	22.24
03/10/92	2,800	270	29	56	39	-	13.34	NP	0.00	38.36	25.02
06/09/92	2,900	960	27	99	63	-	14.12	NP	0.00	38.36	24.24
09/14/92	2,600	450	<5.0	45	21	-	15.34	NP	0.00	38.36	23.02
11/12/92	1,600	310	7.2	22	8.9	-	15.46	NP	0.00	38.36	22.90
02/11/93	4,000	510	47	200	91	-	11.95	NP	0.00	38.36	26.41
04/14/93	1,700	260	20	100	70	-	11.65	NP	0.00	38.36	26.71
08/12/93	830	60	3.8	39	3.6	-	12.93	NP	0.00	38.36	25.43
10/26/93	8,800	140	<10	41	<10	-	14.13	NP	0.00	38.36	24.23
02/17/94	1,200	130	12	54	58	-	11.86	NP	0.00	37.26	25.40
05/03/94	-	-	-	-	-	-	11.58	NP	0.00	37.26	25.68
08/17/94	3,900	86	5.1	78	9.4	-	12.78	NP	0.00	37.33	24.55

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #052, HAYWARD, 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)					
11/18/94	6,350	112	8.4	107	35	-	12.31	NP	0.00	37.33	25.02
09/26/95	ND	ND	ND	ND	ND	-	11.26	NP	0.00	37.26	26.00
12/06/95	4,100	0.86	0.46	0.38	0.92	-	12.16	NP	0.00	37.26	25.10
02/14/96	ND	ND	0.56	ND	0.82	-	8.53	NP	0.00	37.26	28.73
10/29/96	130	ND	ND	ND	ND	-	10.23	NP	0.00	37.26	27.03
01/29/97	<50	<0.3	<0.3	<0.3	<0.5	<20	8.15	NP	0.00	37.26	29.11
04/30/97	<20	<0.3	<0.3	<0.3	<0.5	<50	8.05	NP	0.00	37.26	29.21
07/31/97	<50	<0.3	<0.3	<0.3	<0.5	<20	10.50	NP	0.00	37.26	26.76
10/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	11.15	NP	0.00	37.26	26.11
01/28/98	<50	<0.3	<0.3	<0.3	<0.5	<20	4.95	NP	0.00	37.26	32.31
04/22/98	<50	<0.3	<0.3	<0.3	<0.5	<20	8.10	NP	0.00	37.26	29.16
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	40	8.02	NP	0.00	37.26	29.24
10/22/98	230	0.43	1.9	0.99	0.99	33	9.70	NP	0.00	37.26	27.56
01/13/99	<50	0.43	<0.3	<0.3	<0.5	<20	9.60	NP	0.00	37.26	27.66
04/29/99	<50	<0.3	<0.3	<0.3	<0.5	*3L / 17	8.05	NP	0.00	37.26	29.21
Monitoring Well #MW-2											
08/08/86	1,910	20.1	2.8	1.8	-	-	11.62	NP	0.00	38.58	26.96
12/24/91	23,000	1,500	1,100	480	1,400	-	16.50	NP	0.00	38.58	22.08
03/10/92	210,000	44,000	3,900	1,700	5,800	-	13.50	NP	0.00	38.58	25.08
06/09/92	33,000	2,300	370	780	2,600	-	14.52	NP	0.00	38.58	24.06
09/14/92	16,000	3,700	10	470	1,000	-	15.78	NP	0.00	38.58	22.80
11/12/92	16,000	3,800	86	470	910	-	15.98	NP	0.00	38.58	22.60
02/11/93	27,000	3,500	720	1,600	380	-	12.27	NP	0.00	38.58	26.31
04/14/93	27,000	3,500	220	2,200	5,100	-	12.01	NP	0.00	38.58	26.57
08/12/93	16,000	1,600	27	1,300	1,200	-	13.81	NP	0.00	38.58	24.77
10/26/93	12,000	1,200	<25	510	330	-	14.53	NP	0.00	38.58	24.05
02/17/94	15,000	1,800	21	850	540	-	12.81	NP	0.00	38.58	25.77
05/03/94	-	-	-	-	-	-	12.63	NP	0.00	38.58	25.95
08/17/94	14,000	850	13	640	270	-	13.69	NP	0.00	37.99	24.30
11/18/94	14,900	640	3.4	532	156	-	13.18	NP	0.00	38.06	24.88
09/26/95	5,100	40	25	2.5	18	-	12.23	NP	0.00	37.99	25.76

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #052, HAYWARD, 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)					
12/06/95	810	34	23	11	11	-	12.82	NP	0.00	37.99	25.17
02/14/96	420	0.75	0.54	0.64	0.53	-	10.87	NP	0.00	37.99	27.12
10/29/96	670	1.7	1.3	0.6	0.8	-	12.95	NP	0.00	37.99	25.04
01/29/97	<50	<0.3	<0.3	<0.3	<0.5	<20	11.15	NP	0.00	37.99	26.84
04/30/97	<20	<0.3	<0.3	<0.3	<0.5	<50	11.09	NP	0.00	37.99	26.90
07/31/97	330	<0.3	0.58	0.53	<0.5	<20	11.70	NP	0.00	37.99	26.29
10/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	11.05	NP	0.00	37.99	26.94
01/28/98	<50	<0.3	<0.3	<0.3	<0.5	<20	9.50	NP	0.00	37.99	28.49
04/22/98	<50	<0.3	<0.3	<0.3	<0.5	<20	11.15	NP	0.00	37.99	26.84
07/08/98	78	<0.3	<0.3	<0.3	<0.5	97	10.20	NP	0.00	37.99	27.79
10/22/98	270	0.37	2.0	0.91	0.73	26	11.10	NP	0.00	37.99	26.89
01/13/99	650	5.8	1.0	1.4	1.1	<20	11.10	NP	0.00	37.99	26.89
04/29/99	<50	<0.3	<0.3	<0.3	<0.5	* 29 / 16	11.05	NP	0.00	37.99	26.94
Monitoring Well #MW-3											
08/08/86	7,450	510	549	409	1,380	-	10.61	NP	0.00	37.77	27.16
12/24/91	6,800	450	10	610	45	-	15.60	NP	0.00	37.77	22.17
03/10/92	11,000	2,500	75	400	560	-	12.90	NP	0.00	37.77	24.87
06/09/92	16,000	2,000	69	1,300	2,600	-	13.60	NP	0.00	37.77	24.17
09/14/92	14,000	630	<50	1,500	2,400	-	14.78	NP	0.00	37.77	22.99
11/12/92	7,400	400	<25	860	330	-	14.92	NP	0.00	37.77	22.85
02/11/93	8,600	580	<20	710	300	-	11.65	NP	0.00	37.77	26.12
04/14/93	6,900	300	8.8	580	99	-	11.16	NP	0.00	37.77	26.61
08/12/93	3,400	56	<5	190	<5	-	12.82	NP	0.00	37.77	24.95
10/26/93	2,900	42	<10	76	<10	-	13.60	NP	0.00	37.77	24.17
02/17/94	3,100	160	<10	36	8.6	-	11.53	NP	0.00	36.80	25.27
05/03/94	2,300	44	<2.5	8.0	<2.5	-	11.36	NP	0.00	36.80	25.44
08/17/94	1,900	7.0	<9.5	4.4	<5	-	12.38	NP	0.00	36.87	24.49
11/18/94	909	1.1	<0.5	0.9	4.0	-	11.93	NP	0.00	36.87	24.94
09/26/95	410	1.3	1.9	2.3	3.3	-	10.96	NP	0.00	36.80	25.84
12/06/95	-	0.9	4.6	3.0	4.3	-	11.56	NP	0.00	36.80	25.24
02/14/96	99	ND	0.49	0.46	ND	-	7.47	NP	0.00	36.80	29.33

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #052, HAYWARD, 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)					
10/29/96	250	0.7	0.6	ND	ND	-	9.80	NP	0.00	36.80	27.00
01/29/97	170	<0.3	<0.3	<0.3	<0.5	<20	7.50	NP	0.00	36.80	29.30
04/30/97	<20	<0.3	<0.3	<0.3	<0.5	<50	12.10	NP	0.00	36.80	24.70
07/31/97	<50	<0.3	<0.3	<0.3	<0.5	<20	9.90	NP	0.00	36.80	26.90
10/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	12.10	NP	0.00	36.80	24.70
01/28/98	<50	<0.3	<0.3	<0.3	<0.5	<20	7.50	NP	0.00	36.80	29.30
04/22/98	<50	<0.3	<0.3	<0.3	<0.5	<20	12.30	NP	0.00	36.80	24.50
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	8.30	NP	0.00	36.80	28.50
10/22/98	<50	<0.3	<0.3	<0.3	<0.5	<5	9.10	NP	0.00	36.80	27.70
01/13/99	<50	<0.3	<0.3	<0.3	<0.5	<20	9.50	NP	0.00	36.80	27.30
04/29/99	<50	<0.3	0.35	<0.3	<0.5	<5	5.93	NP	0.00	36.80	30.87
Monitoring Well A-4											
03/06/91	34,000	11,000	870	2,500	2,100	-	13.22	NP	0.00	39.46	26.24
12/24/91	1,900	29	1.9	25	29	-	17.60	NP	0.00	39.86	22.26
03/10/92	7,400	37	<0.60	11	73	-	14.76	NP	0.00	39.86	25.10
06/09/92	4,500	3.2	1.5	37	16	-	15.63	NP	0.00	39.86	24.23
09/14/92	1,300	<2.5	2.5	61	6.8	-	16.83	NP	0.00	39.86	23.03
11/12/92	610	7.2	0.98	34	0.97	-	16.97	NP	0.00	39.86	22.89
02/11/93	740	2.4	<0.5	5.0	3.5	-	13.43	NP	0.00	39.86	26.43
04/14/93	380	<0.5	<0.5	10	1.6	-	13.06	NP	0.00	39.86	26.80
08/12/93	1,200	0.93	<0.5	0.91	<0.5	-	14.94	NP	0.00	39.86	24.92
10/26/93	160	<0.5	<0.5	1.0	<0.5	-	15.52	NP	0.00	39.86	24.34
02/17/94	320	0.5	<0.5	28	0.9	-	14.02	NP	0.00	39.46	25.44
05/03/94	130	<0.5	<0.5	1.1	<0.5	-	13.85	NP	0.00	39.46	25.61
08/17/94	62	<0.5	<0.5	<0.5	<0.5	-	14.95	NP	0.00	39.53	24.58
11/18/94	98	1.3	0.6	<0.5	<0.5	-	14.46	NP	0.00	39.53	25.07
12/06/95	ND	0.6	ND	ND	ND	-	13.82	NP	0.00	39.53	25.71
02/14/96	ND	ND	2.3	ND	0.71	-	11.24	NP	0.00	39.53	28.29
10/29/96	140	ND	ND	ND	ND	-	13.50	NP	0.00	39.53	26.03
01/29/97	<50	<0.3	<0.3	<0.3	<0.5	<20	12.65	NP	0.00	39.53	26.88
04/30/97	<20	<0.3	<0.3	<0.3	<0.5	<50	13.97	NP	0.00	39.53	25.56

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #052, HAYWARD, CA

DATE SAMPLED	ANALYTICAL PARAMETERS						DEPTH TO GROUNDWATER (feet)	DEPTH TO PRODUCT (feet)	PRODUCT THICKNESS (feet)	CASING ELEVATION (feet)	GROUNDWATER ELEVATION (feet)
	TPH (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
07/31/97	<50	<0.3	<0.3	<0.3	<0.5	<20	12.70	NP	0.00	39.53	26.83
10/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	13.95	NP	0.00	39.53	25.58
01/28/98	<50	<0.3	<0.3	<0.3	<0.5	<20	11.90	NP	0.00	39.53	27.63
04/22/98	<50	<0.3	<0.3	<0.3	<0.5	<20	13.92	NP	0.00	39.53	25.61
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	10.80	NP	0.00	39.53	28.73
10/22/98	<50	<0.3	<0.3	<0.3	<0.5	<5	12.60	NP	0.00	39.53	26.93
01/13/99	<50	<0.3	<0.3	<0.3	<0.5	<20	12.60	NP	0.00	39.53	26.93
04/29/99	<50	<0.3	<0.3	<0.3	<0.5	<5	12.61	NP	0.00	39.53	26.92
Monitoring Well A-5											
12/24/91	1,600	21	<0.30	32	52	-	16.85	NP	0.00	38.94	22.09
03/10/92	1,000	1.6	<0.30	43	100	-	13.83	NP	0.00	38.94	25.11
06/09/92	680	34	<1.5	14	16	-	14.91	NP	0.00	38.94	24.03
09/14/92	770	12	<0.30	51	65	-	16.14	NP	0.00	38.94	22.80
11/12/92	520	3.0	<2.5	29	36	-	16.35	NP	0.00	38.94	22.59
02/11/93	150	1.6	0.96	5.1	1.5	-	13.21	NP	0.00	38.94	25.73
04/14/93	190	5.4	<0.5	1.5	0.97	-	12.97	NP	0.00	38.94	25.97
08/12/93	230	1.7	<0.5	5.3	0.94	-	14.12	NP	0.00	38.94	24.82
10/26/93	190	2.8	<0.5	5.5	2.0	-	14.72	NP	0.00	38.94	24.22
02/17/94	340	<0.5	<0.5	13	2.9	-	13.20	NP	0.00	38.47	25.27
05/03/94	170	1.4	<0.5	4.0	1.9	-	13.08	NP	0.00	38.47	25.39
08/17/94	270	0.6	<0.5	7.3	1.1	-	14.18	NP	0.00	38.54	24.36
11/18/94	338	-	<0.5	4.6	<0.5	-	13.73	NP	0.00	38.54	24.81
09/26/95	ND	0.63	1.1	ND	1.2	-	12.44	NP	0.00	38.47	26.03
12/06/95	ND	ND	ND	ND	ND	-	12.92	NP	0.00	38.47	25.55
02/14/96	ND	ND	2.0	ND	1.1	-	10.76	NP	0.00	38.47	27.71
10/29/96	ND	ND	ND	ND	ND	-	12.35	NP	0.00	38.47	26.12
01/29/97	<50	<0.3	<0.3	<0.3	<0.5	<20	10.85	NP	0.00	38.47	27.62
04/30/97	<20	<0.3	<0.3	<0.3	<0.5	<50	13.56	NP	0.00	38.47	24.91
07/31/97	<50	<0.3	<0.3	<0.3	<0.5	<20	11.80	NP	0.00	38.47	26.67
10/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	12.20	NP	0.00	38.47	26.27
01/28/98	<50	<0.3	<0.3	<0.3	<0.5	<20	10.12	NP	0.00	38.47	28.35

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #052, HAYWARD, 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)					
04/22/98	<50	<0.3	<0.3	<0.3	<0.5	<20	13.50	NP	0.00	38.47	24.97
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	10.20	NP	0.00	38.47	28.27
10/22/98	<50	<0.3	<0.3	<0.3	<0.5	<5	11.50	NP	0.00	38.47	26.97
01/13/99	<50	0.32	0.38	<0.3	<0.5	<20	10.15	NP	0.00	38.47	28.32
04/29/99	<50	<0.3	<0.3	<0.3	0.58	<5	11.50	NP	0.00	38.47	26.97
Monitoring Well A-6											
12/24/91	<30	<0.3	<0.3	<0.3	<0.3	-	16.88	NP	0.00	39.07	22.19
03/10/92	<30	<0.3	<0.3	<0.3	<0.3	-	13.73	NP	0.00	39.07	25.34
06/09/92	<30	<0.3	<0.3	<0.3	<0.3	-	14.95	NP	0.00	39.07	24.12
09/14/92	<50	<0.5	<0.5	<0.5	<0.5	-	16.20	NP	0.00	39.07	22.87
11/12/92	<50	<0.5	<0.5	<0.5	<0.5	-	16.35	NP	0.00	39.07	22.72
02/11/93	<50	<0.5	<0.5	<0.5	<0.5	-	13.04	NP	0.00	39.07	26.03
04/14/93	<50	<0.5	<0.5	<0.5	<0.5	-	12.23	NP	0.00	39.07	26.84
08/12/93	<50	<0.5	<0.5	<0.5	<0.5	-	14.18	NP	0.00	39.07	24.89
10/26/93	<50	<0.5	<0.5	<0.5	<0.5	-	14.85	NP	0.00	39.07	24.22
05/03/94	<50	<0.5	<0.5	<0.5	<0.5	-	13.66	NP	0.00	39.07	25.41
08/17/94	<50	<0.5	<0.5	<0.5	<0.5	-	14.34	NP	0.00	38.78	24.44
11/18/94	<50	<0.5	<0.5	<0.5	<0.5	-	13.76	NP	0.00	38.78	25.02
09/26/95	ND	ND	ND	ND	ND	-	12.56	NP	0.00	38.78	26.22
12/06/95	ND	ND	ND	ND	ND	-	13.18	NP	0.00	38.78	25.60
02/14/96	ND	ND	ND	ND	ND	-	12.46	NP	0.00	38.78	26.32
10/29/96	50	ND	ND	ND	ND	-	12.40	NP	0.00	38.78	26.38
01/29/97	<50	<0.3	<0.3	<0.3	<0.5	<20	13.85	NP	0.00	38.78	24.93
04/30/97	<20	<0.3	<0.3	<0.3	<0.5	<50	12.49	NP	0.00	38.78	26.29
07/31/97	<50	<0.3	<0.3	<0.3	<0.5	<20	12.10	NP	0.00	38.78	26.68
10/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	15.20	NP	0.00	38.78	23.58
01/28/98	<50	<0.3	<0.3	<0.3	<0.5	<20	13.80	NP	0.00	38.78	24.98
04/22/98	<50	<0.3	<0.3	<0.3	<0.5	<20	12.45	NP	0.00	38.78	26.33
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	10.30	NP	0.00	38.78	28.48
10/22/98	<50	<0.3	<0.3	<0.3	<0.5	<5	11.10	NP	0.00	38.78	27.68
01/13/99	<50	<0.3	<0.3	<0.3	<0.5	<20	10.40	NP	0.00	38.78	28.38

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #052, HAYWARD, 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)					
04/29/99	<50	<0.3	<0.3	<0.3	<0.5	<5	13.80	NP	0.00	38.78	24.98
Monitoring Well A-7											
12/24/91	10,000	88	16	170	610	-	18.11	NP	0.00	39.95	21.84
03/10/92	320	9.3	0.54	8.8	34	-	15.30	NP	0.00	39.95	24.65
06/09/92	340	11	1.1	8.9	26	-	16.12	NP	0.00	39.95	23.83
09/14/92	510	12	<2.0	30	51	-	17.35	NP	0.00	39.95	22.60
11/12/92	760	17	0.83	50	73	-	17.47	NP	0.00	39.95	22.48
02/11/93	260	20	1.0	11	21	-	13.80	NP	0.00	39.95	26.15
04/14/93	1,300	89	2.1	48	87	-	13.60	NP	0.00	39.95	26.35
08/12/93	360	9.0	<0.50	13	9.0	-	15.54	NP	0.00	39.95	24.41
10/26/93	99	1.7	<0.50	4.0	3.0	-	16.28	NP	0.00	39.95	23.67
02/17/94	1,300	38	<1	35	25	-	14.44	NP	0.00	39.38	24.94
05/03/94	330	8.1	<0.5	7.8	3.7	-	14.34	NP	0.00	39.38	25.04
08/17/94	350	2.2	<0.5	9.6	3.6	-	15.40	NP	0.00	39.45	24.05
11/18/94	412	1.3	<0.5	6.2	2.0	-	14.95	NP	0.00	39.45	24.50
09/26/95	ND	ND	ND	ND	ND	-	13.92	NP	0.00	39.38	25.46
12/06/95	ND	ND	ND	ND	ND	-	14.42	NP	0.00	39.38	24.96
02/14/96	ND	ND	1.1	ND	0.59	-	12.38	NP	0.00	39.38	27.00
10/29/96	ND	ND	ND	ND	ND	-	12.33	NP	0.00	39.38	27.05
01/29/97	<50	<0.3	<0.3	<0.3	<0.5	<20	13.10	NP	0.00	39.38	26.28
04/30/97	<20	<0.3	<0.3	<0.3	<0.5	<50	11.70	NP	0.00	39.38	27.68
07/31/97	<50	<0.3	<0.3	<0.3	<0.5	<20	13.25	NP	0.00	39.38	26.13
10/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	14.42	NP	0.00	39.38	24.96
01/28/98	<50	<0.3	<0.3	<0.3	<0.5	<20	13.00	NP	0.00	39.38	26.38
04/22/98	<50	<0.3	<0.3	<0.3	<0.5	<20	11.65	NP	0.00	39.38	27.73
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	11.20	NP	0.00	39.38	28.18
10/22/98	51	<0.3	<0.3	<0.3	<0.5	<5	13.75	NP	0.00	39.38	25.63
01/13/99	<50	<0.3	<0.3	<0.3	<0.5	<20	14.45	NP	0.00	39.38	24.93
04/29/99	<50	<0.3	<0.3	<0.3	<0.5	<5	13.74	NP	0.00	39.38	25.64

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #052, HAYWARD, 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 A-8											
09/14/92	<50	<0.5	<0.5	<0.5	<0.5	-	14.19	NP	0.00	37.23	23.04
11/12/92	<50	<0.5	<0.5	<0.5	<0.5	-	14.35	NP	0.00	37.23	22.88
02/11/93	<50	<0.5	<0.5	<0.5	<0.5	-	11.25	NP	0.00	37.23	25.98
04/14/93	<50	<0.5	<0.5	<0.5	<0.5	-	12.33	NP	0.00	37.23	24.90
08/12/93	<50	<0.5	<0.5	<0.5	<0.5	-	12.41	NP	0.00	37.23	24.82
10/26/93	<50	<0.5	<0.5	<0.5	<0.5	-	13.02	NP	0.00	37.23	24.21
02/17/94	<50	<0.5	<0.5	<0.5	<0.5	-	11.47	NP	0.00	36.76	25.29
05/03/94	<50	<0.5	<0.5	<0.5	<0.5	-	11.35	NP	0.00	36.76	25.41
08/17/94	<50	<0.5	1.7	<0.5	1.4	-	12.34	NP	0.00	36.84	24.50
11/18/94	<50	1.0	<0.5	<0.5	<0.5	-	11.90	NP	0.00	36.84	24.94
09/26/95	ND	ND	ND	ND	ND	-	10.94	NP	0.00	36.76	25.82
12/06/95	ND	ND	ND	ND	ND	-	11.42	NP	0.00	36.76	25.34
02/14/96	ND	ND	0.48	ND	ND	-	8.80	NP	0.00	36.76	27.96
10/29/96	200	ND	ND	ND	ND	-	11.30	NP	0.00	36.76	25.46
01/29/97	<50	<0.3	<0.3	<0.3	<0.5	<20	7.60	NP	0.00	36.76	29.16
04/30/97	<20	<0.3	<0.3	<0.3	<0.5	<50	10.54	NP	0.00	36.76	26.22
07/31/97	<50	<0.3	<0.3	<0.3	<0.5	<20	11.20	NP	0.00	36.76	25.56
10/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	12.14	NP	0.00	36.76	24.62
01/28/98	<50	<0.3	<0.3	<0.3	<0.5	<20	4.43	NP	0.00	36.76	32.33
04/22/98	<50	<0.3	<0.3	<0.3	<0.5	<20	10.55	NP	0.00	36.76	26.21
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	9.07	NP	0.00	36.76	27.69
10/22/98	<50	<0.3	<0.3	<0.3	<0.5	<5	12.12	NP	0.00	36.76	24.64
01/13/99	<50	<0.3	<0.3	<0.3	<0.5	<20	9.60	NP	0.00	36.76	27.16
04/29/99	<50	<0.3	<0.3	<0.3	1.5	<5	9.08	NP	0.00	36.76	27.68
Monitoring Well A-9											
09/14/92	<50	<0.5	<0.5	<0.5	<0.5	-	16.12	NP	0.00	38.71	22.59
11/12/92	<50	<0.5	<0.5	<0.5	<0.5	-	16.29	NP	0.00	38.71	22.42
02/11/93	<50	<0.5	<0.5	<0.5	<0.5	-	12.31	NP	0.00	38.71	26.40
04/14/93	<50	<0.5	<0.5	<0.5	<0.5	-	12.01	NP	0.00	38.71	26.70
08/12/93	<50	<0.5	<0.5	<0.5	<0.5	-	13.90	NP	0.00	38.71	24.81

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #052, HAYWARD, 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)					
10/26/93	<50	<0.5	<0.5	<0.5	<0.5	-	14.86	NP	0.00	38.71	23.85
02/17/94	<50	<0.5	<0.5	<0.5	<0.5	-	12.99	NP	0.00	38.19	25.20
08/17/94	<50	<0.5	<0.5	<0.5	<0.5	-	14.03	NP	0.00	38.19	24.16
11/18/94	<50	<0.5	<0.5	<0.5	<0.5	-	13.44	NP	0.00	37.24	23.80
09/26/95	ND	<0.5	ND	ND	ND	-	12.43	NP	0.00	38.24	25.81
12/06/95	ND	<0.5	ND	ND	ND	-	13.14	NP	0.00	38.19	25.05
02/14/96	ND	ND	1.8	0.49	0.82	-	9.05	NP	0.00	38.19	29.14
10/29/96	ND	ND	ND	ND	ND	-	12.85	NP	0.00	38.19	25.34
01/29/97	<50	<0.3	<0.3	<0.3	<0.5	<20	9.02	NP	0.00	38.19	29.17
04/30/97	<20	<0.3	<0.3	<0.3	<0.5	<50	12.05	NP	0.00	38.19	26.14
07/31/97	<50	<0.3	<0.3	<0.3	<0.5	<20	12.18	NP	0.00	38.19	26.01
10/22/97	<50	<0.3	<0.3	<0.3	<0.5	<20	7.45	NP	0.00	38.19	30.74
01/28/98	<50	<0.3	<0.3	<0.3	<0.5	<20	21.25	NP	0.00	38.19	16.94
04/22/98	<50	<0.3	<0.3	<0.3	<0.5	<20	12.10	NP	0.00	38.19	26.09
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	10.40	NP	0.00	38.19	27.79
10/22/98	<50	<0.3	<0.3	<0.3	<0.5	<5	13.55	NP	0.00	38.19	24.64
01/13/99	<50	<0.3	<0.3	<0.3	<0.5	<20	12.05	NP	0.00	38.19	26.14
04/29/99	<50	<0.3	<0.3	<0.3	<0.5	<5	7.43	NP	0.00	38.19	30.76
Monitoring Well A-10											
12/07/92	660	30	<2.5	<2.5	<2.5	-	16.81	NP	0.00	38.94	22.13
02/11/93	210	<0.5	0.97	<0.5	<0.5	-	13.15	NP	0.00	38.94	25.79
04/14/93	770	<0.5	3.0	0.76	1.9	-	12.19	NP	0.00	38.94	26.75
08/12/93	390	<0.5	<0.5	<0.5	0.84	-	14.87	NP	0.00	38.94	24.07
10/26/93	290	<0.5	<0.5	<0.5	<0.5	-	15.65	NP	0.00	38.94	23.29
02/17/94	52	<0.5	<0.5	<0.5	<0.5	-	14.16	NP	0.00	38.66	24.50
05/03/94	<50	<0.5	<0.5	<0.5	<0.5	-	14.00	NP	0.00	38.66	24.66
08/17/94	<50	<0.5	<0.5	<0.5	<0.5	-	15.08	NP	0.00	38.72	23.64
11/18/94	<50	<0.5	<0.5	<0.5	<0.5	-	14.68	NP	0.00	38.72	24.04
09/26/95	ND	ND	ND	ND	ND	-	13.58	NP	0.00	38.66	25.08
12/06/95	ND	ND	ND	ND	ND	-	14.24	NP	0.00	38.66	24.42
02/14/96	ND	ND	ND	ND	ND	-	6.70	NP	0.00	38.66	31.96

TABLE 1
GROUNDWATER DATA
THRIFTY OIL STATION #052, HAYWARD, 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)					
10/29/96	ND	ND	ND	ND	1.1	-	14.10	NP	0.00	38.66	24.56
01/29/97	<50	0.41	4.8	0.60	4.4	37	11.20	NP	0.00	38.66	27.46
04/30/97	<20	0.40	4.2	0.5	3.8	50	12.66	NP	0.00	38.66	26.00
07/31/97	<50	<0.3	<0.3	<0.3	<0.5	<20	13.20	NP	0.00	38.66	25.46
04/22/98	<50	<0.3	<0.3	<0.3	<0.5	<20	12.60	NP	0.00	38.66	26.06
07/08/98	<50	<0.3	<0.3	<0.3	<0.5	<5	8.08	NP	0.00	38.66	30.58
10/22/98	<50	<0.3	<0.3	<0.3	<0.5	<5	11.15	NP	0.00	38.66	27.51
01/13/99	<50	<0.3	<0.3	<0.3	<0.5	<20	9.60	NP	0.00	38.66	29.06
04/29/99	<50	<0.3	<0.3	<0.3	<0.5	<5	11.15	NP	0.00	38.66	27.51

NOTE:

* MTBE 8020 / 8260

ND = Nondetectable

NP = No free hydrocarbon product

" - " = Not analyzed / Not available

Benzene, toluene, ethlybenzene, 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

APPENDIX A

PURGE DATA

EARTH MANAGEMENT CO.

Environmental Remediation

PROJECT STATUS REPORT

THRIFTY OIL CO. S.S. #052

20200 HESPERIAN BLVD.

HAYWARD, CALIF. 94541

DATE: 04-28-99

OBSERVATION WELLS

NO.	DTW	DTP	PT	DTB	DIA.		ODORS			F/P			
							YES	NO	S	YES	NO		
A-4	12.61			34.40	3"			X			X		
A-5	11.50			29.20	3"			X			X		
A-6	13.80			34.25	3"			X			X		
A-7	13.74			34.85	3"			X			X		
A-8	9.08			33.60	2"			X			X		
A-9	7.43			33.50	2"			X			X		
A-10	11.15			34.15	2"			X			X		
AR-1	11.35			34.00	6"			X			X		
AR-2	11.48			34.60	6"			X			X		
MW-1	8.05			28.00	2"			X			X		
MW-2	11.05			26.40	2"			X			X		
MW-3	5.93			27.40	2"			X			X		

EXPLANATION

DTW - DEPTH TO WATER FROM SURFACE S - SLIGHT DTP - DEPTH TO PRODUCT FROM SURFACE

PT - PRODUCT THICKNESS DTB - DEPTH TO BOTTOM DIA. - DIAMETER

MEASUREMENTS IN FEET

REMARKS: R.W-5.

FREE PRODUCT REMOVED: APPROX. ___ GALLONS WATER REMOVED: APPROX. 40 GALLONS

DATA RECORDED BY: [signature] INPUT BY:

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	#052	Date:	04-29-1999
Address:			
Personnel:	SERBAN	Weather:	SUNNY DAY
Well No:	A-10	Equip:	BAILER

Before Purging:

Total Well Depth: (ft.)	34.15	Well Diameter	2"
Depth to Water (ft)	11.15	Est. Purge Volume:	15

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	7:17	7:19	7:21	7:23	7:25	7:27	7:30
EC	1810	1820	1810	1790	1770	1770	1760
pH	6.03	6.01	5.97	5.94	5.94	5.91	5.90
Temp	71.2	71.0	70.9	70.7	70.5	70.3	70.3
Gal.	2	4	6	8	10	12	15

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection

Depth to Water (ft.)	10.10	Total Well Depth(ft).	34.15

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	=-052	Date:	4-24-99
Address:			
Personnel:	[illegible]	Weather:	SUNNY DRY
Well No:	A-7	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	34.85	Well Diameter	3"
Depth to Water (ft)	13.74	Est. Purge Volume:	31

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	7:43	7:47	7:52	7:56	8:01	8:05	8:20
EC	1910	1890	1870	1870	1860	1840	1830
pH	6.23	6.21	6.19	6.19	6.14	6.11	6.09
Temp	71.4	71.2	70.9	70.9	70.7	70.5	70.3
Gal.	4	8	13	17	22	26	31

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	11.60	Total Well Depth(ft).	34.85

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	52	Date:	4-29-1999
Address:			
Personnel:	~~DERBIN~~	Weather:	SUNNY DAY
Well No:	A-9	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	33.50	Well Diameter	2"
Depth to Water (ft)	7.43	Est. Purge Volume:	17

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	8:15	8:17	8:20	8:22	8:25	8:27	8:30
EC	610	590	570	540	540	540	540
pH	6.04	~~6.01~~	6.01	5.94	5.91	5.91	5.87
Temp	21.2	21.0	21.0	20.4	20.2	20.5	20.3
Gal.	2	4	7	9	12	14	17

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	6.20	Total Well Depth(ft).	33.50

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	052	Date:	4-29-94
Address:			
Personnel:	~~DERBAN~~	Weather:	SUNNY DRY
Well No:	A-6	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	34.25	Well Diameter	3/4
Depth to Water (ft)	13.80	Est. Purge Volume:	30

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	8:42	8:46	8:50	8:56	8:59	9:05	9:10
EC	730	710	690	680	670	670	640
pH	6.12	6.08	6.03	6.03	5.97	6.94	6.91
Temp	71.1	71.1	70.9	70.8	70.7	70.7	70.6
Gal.	4	8	12	17	21	25	30

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	11.10	Total Well Depth(ft).	34.25

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	=> 052	Date:	4-29-1999
Address:			
Personnel:	~~DEBRA~~	Weather:	SUNNY DAY
Well No:	A-4	Equip:	BAILED

Before Purging:			
Total Well Depth: (ft.)	34.40	Well Diameter	3"
Depth to Water (ft)	12.61	Est. Purge Volume:	32

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	9:17	9:22	9:26	9:31	9:35	9:40	9:45
EC	1470	1460	1440	1430	1430	1440	1440
pH	6.23	6.18	6.17	6.16	6.13	6.09	6.07
Temp	70.4	70.2	70.1	70.1	69.9	69.7	69.5
Gal.	4	9	13	18	22	27	32

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	10.60	Total Well Depth(ft).	34.40

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	52	Date:	4-29-99
Address:			
Personnel:	[illegible]	Weather:	SUNNY DAY
Well No:	A-5	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	29.20	Well Diameter	3"
Depth to Water (ft)	11.50	Est. Purge Volume:	26

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	9:47	9:51	9:55	9:58	10:02	10:06	10:10
EC	1630	1640	1660	1660	1670	1680	1670
pH	6.18	6.16	6.01	6.01	5.98	5.94	5.91
Temp	21.3	21.1	20.9	20.7	20.5	20.3	20.3
Gal.	3	7	11	14	18	22	26
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	9.40	Total Well Depth(ft).	29.20

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	=> 052	Date:	4-29-99
Address:			
Personnel:	~~SERAW~~	Weather:	SUNNY DRY
Well No:	AR-2	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	34.60	Well Diameter	6"
Depth to Water (ft)	11.48	Est. Purge Volume:	136

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	10:34	10:48	11:02	11:16	11:31	11:44	11:58
EC	1820	1810	1810	1790	1780	1770	1740
pH	6.19	6.17	6.17	6.13	6.09	6.07	6.06
Temp	71.1	70.9	70.8	70.6	70.4	70.3	70.3
Gal.	13	27	40	54	68	81	95

Time	12:12	12:26	12:40				
EC	1730	1720	1710				
pH	6.03	6.03	6.01				
Temp	70.1	70.1	69.9				
Gal.	108	122	136				

After Purging/Before Sample Collection			
Depth to Water (ft.)	9.40	Total Well Depth(ft).	34.60

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	=> 052	Date:	4-29-99
Address:			
Personnel:	JERRY	Weather:	SUNNY 80s
Well No:	MW-2	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	26.40	Well Diameter	2"
Depth to Water (ft)	11.05	Est. Purge Volume:	10

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	12:48	12:50	12:52	12:54	12:56	12:58	13:00
EC	1710	1710	1690	1670	1660	1660	1640
pH	6.11	6.11	6.08	6.06	6.06	6.03	6.03
Temp	71.4	71.4	71.2	71.0	70.9	70.7	70.7
Gal.	1	2	4	5	7	8	10

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	9.20	Total Well Depth(ft).	26.40

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	53052	Date:	4-29-99
Address:			
Personnel:	JERBAR	Weather:	SUNNY DAY
Well No:	AR-1	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	34.00	Well Diameter	6"
Depth to Water (ft)	11.35	Est. Purge Volume:	133

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	13:32	13:45	13:58	14:11	14:24	14:32	14:50
EC	1820	1810	1790	1790	1770	1740	1740
pH	6.21	6.20	6.18	6.18	6.13	6.09	6.09
Temp	21.2	21.1	21.1	20.9	20.7	20.7	20.6
Gal.	13	26	39	53	66	79	93
Time	15:03	15:16	15:30				
EC	1730	1730	1710				
pH	6.07	6.04	6.03				
Temp	20.3	20.1	20.1				
Gal.	106	119	133				

After Purging/Before Sample Collection			
Depth to Water (ft.)	10.20	Total Well Depth(ft).	34.00

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	33#052	Date:	4-29-99
Address:			
Personnel:	SERBAN	Weather:	SUNNY DRY
Well No:	MW-1	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	28.00	Well Diameter	2"
Depth to Water (ft)	8.05	Est. Purge Volume:	13

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	15:33	15:35	15:37	15:39	15:41	15:43	15:45
EC	1710	1690	1670	1670	1640	1630	1620
pH	6.07	6.04	6.04	5.98	5.93	5.91	5.92
Temp	21.1	21.1	20.9	20.9	20.7	20.5	20.3
Gal.	1	3	5	7	9	11	13
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	6.10	Total Well Depth(ft).	28.00

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	=> 052	Date:	4-29-99
Address:			
Personnel:	SERBAN	Weather:	SUNNY DAY
Well No:	MW-3	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	27.40	Well Diameter	2"
Depth to Water (ft)	5.93	Est. Purge Volume:	14

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	15:48	15:50	15:52	15:54	15:56	15:58	16:00
EC	1640	1630	1630	1640	1590	1570	1570
pH	6.09	6.04	5.98	5.93	5.93	5.84	5.88
Temp	21.3	21.1	21.0	20.9	20.7	20.6	20.4
Gal.	2	4	6	8	10	12	14
Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	3.40	Total Well Depth(ft).	27.40

FIELD DATA -GROUNDWATER SAMPLING PROGRAM

Site:	33 052	Date:	4-29-1999
Address:			
Personnel:	SERBAN	Weather:	SUNNY DAY
Well No:	A-8	Equip:	BAILER

Before Purging:			
Total Well Depth: (ft.)	33.60	Well Diameter	2"
Depth to Water (ft)	9.07	Est. Purge Volume:	16

Sampling Data:

Initial Turbidity: Final Turbidity:

Time	16:06	16:08	16:10	16:13	16:15	16:17	16:20
EC	1720	1720	1710	1690	1670	1670	1640
pH	6.09	6.07	6.05	6.03	6.03	6.01	6.01
Temp	21.4	21.2	21.0	21.0	20.9	20.7	20.D
Gal.	2	4	6	9	11	13	16

Time							
EC							
pH							
Temp							
Gal.							

After Purging/Before Sample Collection			
Depth to Water (ft.)	7.10	Total Well Depth(ft).	33.60

APPENDIX B

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

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

AA Project No.: A135052-14
Date Received: 05/04/99
Date Reported: 05/17/99
Units: ug/L

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
87222	A-10	04/29/99	05/06/99	<50	50
87223	A-7	04/29/99	05/06/99	<50	50
87224	A-9	04/29/99	05/06/99	<50	50
87225	A-6	04/29/99	05/06/99	<50	50
87226	A-4	04/29/99	05/06/99	<50	50
87227	A-5	04/29/99	05/06/99	<50	50
87228	AR-2	04/29/99	05/06/99	<50	50
87229	MW-2	04/29/99	05/06/99	<50	50
87230	AR-1	04/29/99	05/06/99	<50	50
87231	MW-1	04/29/99	05/06/99	<50	50
87232	MW-3	04/29/99	05/06/99	<50	50
87233	A-8	04/29/99	05/06/99	<50	50
87234	Trip Blank	04/29/99	05/06/99	<50	50

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

George Havallas
Laboratory Director

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

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

AA Project No.: A135052-14
Date Received: 05/04/99
Date Reported: 05/17/99
Units: ug/L

Date Sampled:	04/29/99	04/29/99	04/29/99	04/29/99	
Date Analyzed:	05/06/99	05/06/99	05/06/99	05/06/99	
AA ID No.:	87222	87223	87224	87225	
Client ID No.:	A-10	A-7	A-9	A-6	MRL
Compounds:					
Benzene	<0.3	<0.3	<0.3	<0.3	0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	0.3
Toluene	<0.3	<0.3	<0.3	<0.3	0.3
Xylenes	<0.5	<0.5	<0.5	<0.5	0.5

George Havalias
Laboratory Director

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

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

AA Project No.: A135052-14
Date Received: 05/04/99
Date Reported: 05/17/99
Units: ug/L

Date Sampled:	04/29/99	04/29/99	04/29/99	04/29/99	
Date Analyzed:	05/06/99	05/06/99	05/06/99	05/06/99	
AA ID No.:	87226	87227	87228	87229	
Client ID No.:	A-4	A-5	AR-2	MW-2	MRL
Compounds:					
Benzene	<0.3	<0.3	<0.3	<0.3	0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	0.3
Toluene	<0.3	<0.3	<0.3	<0.3	0.3
Xylenes	<0.5	0.58	0.82	<0.5	0.5

George Havalias
Laboratory Director

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

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

AA Project No.: A135052-14
Date Received: 05/04/99
Date Reported: 05/17/99
Units: ug/L

Date Sampled:	04/29/99	04/29/99	04/29/99	04/29/99	
Date Analyzed:	05/06/99	05/06/99	05/06/99	05/06/99	
AA ID No.:	87230	87231	87232	87233	
Client ID No.:	AR-1	MW-1	MW-3	A-8	MRL
Compounds:					
Benzene	<0.3	<0.3	<0.3	<0.3	0.3
Ethylbenzene	<0.3	<0.3	<0.3	<0.3	0.3
Toluene	<0.3	<0.3	0.35	<0.3	0.3
Xylenes	<0.5	<0.5	<0.5	1.5	0.5

George Havalias
Laboratory Director

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

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

AA Project No.: A135052-14
Date Received: 05/04/99
Date Reported: 05/17/99
Units: ug/L

Date Sampled:	**04/29/99**	
Date Analyzed:	**05/06/99**	
AA ID No.:	**87234**	
Client ID No.:	**Trip Blank**	**MRL**
Compounds:		
Benzene	<0.3	0.3
Ethylbenzene	<0.3	0.3
Toluene	<0.3	0.3
Xylenes	<0.5	0.5

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

George Havalias
Laboratory Director

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

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

AA Project No.: A135052-14
Date Received: 05/04/99
Date Reported: 05/17/99
Units: ug/L

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
87222	A-10	04/29/99	05/06/99	<5	5
87223	A-7	04/29/99	05/06/99	<5	5
87224	A-9	04/29/99	05/06/99	<5	5
87225	A-6	04/29/99	05/06/99	<5	5
87226	A-4	04/29/99	05/06/99	<5	5
87227	A-5	04/29/99	05/06/99	<5	5
87228	AR-2	04/29/99	05/06/99	<5	5
87229	MW-2	04/29/99	05/06/99	23	5
87230	AR-1	04/29/99	05/06/99	<5	5
87231	MW-1	04/29/99	05/06/99	31	5
87232	MW-3	04/29/99	05/06/99	<5	5
87233	A-8	04/29/99	05/06/99	<5	5

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

George Havalias
Laboratory Director

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS# 052
Sample Matrix: Water
Method: MTBE (EPA 8260)

AA Project No.: A135052-14
Date Received: 05/04/99
Date Reported: 05/17/99
Units: ug/L

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
87229	MW-2	04/29/99	05/10/99	16	5
87231	MW-1	04/29/99	05/10/99	17	5

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

George Havalias
Laboratory Director

AMERICAN ANALYTICS

LABORATORY QA/QC REPORT

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

AA ID No.: 87222
Project No.: N/A
AA Project No.: A135052-14
Date Analyzed: 05/06/99
Date Reported: 05/10/99

Compounds	Result (ug/L)	Spike Recovery (%)	Dup. Result (ug/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept.Rec. Range (%)
Benzene	19.81	99	21.45	107	8	65 - 135
Ethylbenzene	18.39	92	19.50	98	6	77 - 123
Toluene	19.46	97	21.11	106	9	66 - 134
Xylenes	17.81	89	19.23	96	8	73 - 127

George Havalias
Laboratory Director

AMERICAN ANALYTICS

LABORATORY QA/QC REPORT

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

AA ID No.: 87222
Project No.: N/A
AA Project No.: A135052-14
Date Analyzed: 05/06/99
Date Reported: 05/10/99

Compounds	Result (ug/L)	Spike Recovery (%)	Dup. Result (ug/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept.Rec. Range (%)
Gasoline Range Organics	460	92	430	86	7	59 - 149

George Havalias
Laboratory Director

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

AMERICAN ANALYTICS

9765 ETON AVE., CHATSWORTH, CA 91311

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

DATE: 04-29-99

PAGE 1 OF 4

AA Client	T. O. C.	Phone (562) 921-3580	Sampler's Name SERBAN P.
Project Manager	JEFF SURYAKUSUMA	P.O. No.	Sampler's Signature
Project Name	Q.V-S.	Project No.	Project Manager's Signature
Job Name and Address	=> #052 20200 HESPERIAN BLVD. HAYWARD, CA. 94541		

A.A. I.D.#	Client's I.D.	Date	Time	Sample Type	Number of Containers	TPH	BTEX	MTBE	MTBE by (8260)	Test Requirements
87222	A-10	04-29-99	7:30	WATER	3	X	X	X		IF MTBE DETECTION CONFORM WITH 8260
87223	A-7		7:40		3	X	X	X		
87224	A-9		7:50		3	X	X	X		
87225	A-6		8:00		3	X	X	X		
87226	A-4		8:05		3	X	X	X		
87227	A-5		8:10		3	X	X	X		
87228	AR-2		8:20		3	X	X	X		
87229	MW-2		8:30		3	X	X	X	(4)	
87230	AR-1		8:35		3	X	X	X		
87231	MW-1		8:40		3	X	X	X	(4)	
87232	MW-3		8:45		3	X	X	X		
87233	A-8		8:50		3	X	X	X		
87234	TRIP BLANK		7:30		2	X	X			
					38					

SAMPLE INTEGRITY-TO BE FILLED IN BY RECEIVING LAB

Samples Intact	Yes ✓	No
Samples Properly Cooled	Yes ✓	No
Samples Accepted	Yes	No

If Not Why:

AA Project No. A135052-14

Relinquished by:	Date	Time	Received by:
S Aton			CA. OVERNIGHT
CA. OVERNIGHT	5/4/99	1000	

APPENDIX C

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

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

AA Project No.: A135052-15
Date Received: 05/28/99
Date Reported: 06/02/99
Units: mg/Kg

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
88644	6E	05/27/99	06/01/99	<1	1
88645	7E	05/27/99	06/01/99	<1	1
88646	8E	05/27/99	06/01/99	8.4	1
88647	8N	05/27/99	06/01/99	2400	1

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

George Havalias
Laboratory Director

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

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

AA Project No.: A135052-15
Date Received: 05/28/99
Date Reported: 06/02/99
Units: mg/Kg

Date Sampled:	05/27/99	05/27/99	05/27/99	05/27/99	
Date Analyzed:	06/01/99	06/01/99	06/01/99	06/01/99	
AA ID No.:	88644	88645	88646	88647	
Client ID No.:	6E	7E	8E	8N	MRL
Compounds:					
Benzene	<0.005	<0.005	<0.005	0.38	0.005
Ethylbenzene	<0.005	<0.005	<0.005	9.8	0.005
Toluene	<0.005	<0.005	<0.005	18	0.005
Xylenes	<0.01	<0.01	0.038	210	0.01

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

George Havalias
Laboratory Director

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

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

AA Project No.: A135052-15
Date Received: 05/28/99
Date Reported: 06/02/99
Units: ug/Kg

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
88644	6E	05/27/99	06/01/99	<20	20
88645	7E	05/27/99	06/01/99	<20	20
88646	8E	05/27/99	06/01/99	8100	20
88647	8N	05/27/99	06/01/99	13000	20

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

George Havalias
Laboratory Director

AMERICAN ANALYTICS

LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company
Project No.: N/A
Project Name: SS# 052
Sample Matrix: Soil
Method: MTBE (EPA 8260)

AA Project No.: A135052-15
Date Received: 05/28/99
Date Reported: 06/10/99
Units: ug/Kg

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
88646	8E	05/27/99	06/07/99	2200	10
88647	8N	05/27/99	06/07/99	10000	10

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

George Havalias
Laboratory Director

AMERICAN ANALYTICS

LABORATORY QA/QC REPORT

Client: Thrifty Oil Company
Project Name: SS# 052
Method: EPA 8020 (BTEX)
Sample ID: Matrix Spike
Concentration: 0.04 mg/Kg

AA ID No.: 88644
Project No.: N/A
AA Project No.: A135052-15
Date Analyzed: 06/01/99
Date Reported: 06/02/99

Compounds	Result (mg/Kg)	Spike Recovery (%)	Dup. Result (mg/Kg)	Spike/Dup. Recovery (%)	RPD (%)	Accept.Rec. Range (%)
Benzene	0.0387	97.00	0.0387	97.00	0.00	65 - 135
Ethylbenzene	0.0373	93.00	0.0388	97.00	4.21	77 - 123
Toluene	0.0369	92.00	0.0385	96.00	4.26	66 - 134
Xylenes	0.0375	94.00	0.0392	98.00	4.17	73 - 126

George Havalias
Laboratory Director

AMERICAN ANALYTICS

LABORATORY QA/QC REPORT

Client: Thrifty Oil Company
Project Name: SS# 052
Method: EPA 8015M (Gasoline)
Sample ID: Matrix Spike
Concentration: 1 mg/Kg

AA ID No.: 88644
Project No.: N/A
AA Project No.: A135052-15
Date Analyzed: 06/01/99
Date Reported: 06/02/99

Compounds	Result (mg/Kg)	Spike Recovery (%)	Dup. Result (mg/Kg)	Spike/Dup. Recovery (%)	RPD (%)	Accept.Rec. Range (%)
Gasoline Range Organics	0.98	98	1.02	102	4	51 - 149

George Havalias
Laboratory Director

AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

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

DATE: 5/27/95

PAGE 1 OF 1

AA Client: Thrifty Oil Co.

Project Manager: Ray C Friedrichsen

Project Name: TOC SS# 52

Job Name: TOC #52

Job Address: 20200 Hesperian Blvd. Hayward, Ca.

Phone: (562) 921-3581

P.O. No.:

Project No.: 52

Sampler's Name: Raymond C Friedrichsen

Sampler's Signature:

Project Manager's Signature:

AA I.D.#	Client's I.D.	Date	Time	Sample Type	Number of Containers	EPA 8015	EPA 8020	MTBE (EPA 8260)	Test Requirements
28644	6E	5/27/95	AM	Soil	1	X	X		NOTE: If MTBE is Detected Confirm w/ EPA Method 8260.
28645	7E			Soil	1	X	X	⊗	
28646	8E			Soil	1	X	X	⊗	
28647	8N	5/27/95	AM	Soil	1	X	X	⊗	

ANALYSIS REQUIRED

Detection Limits

Test Name

SAMPLE INTEGRITY-TO BE FILLED IN BY RECEIVING LAB

Samples Intact: Yes ✓ No

Samples Properly Cooled: Yes ✓ No

Samples Accepted: Yes ✓ No

If Not Why:

AA Project No. A135652-15

Relinquished by:	Date	Time	Received by:
	5/26/95	0930	
Relinquished by:	Date	Time	Received by:
	5/26	1630	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by: