

THRIFTY OIL CO.

September 2, 1999

O.12499

Ms. Juliet Shin
County of Alameda
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
3rd Quarterly 1999, Status Report

Dear Ms. Shin:

Presented herewith is the Third 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

99 SEP 13 PM 3:58

ENVIRONMENTAL
PROTECTION



THRIFTY OIL CO.

September 2, 1999

Ms. Juliet Shin
County of Alameda
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
3rd Quarterly 1999, Status Report

Dear Ms. Shin:

Presented herein is the Third Quarter 1999, Status Report prepared for Former Thrifty Oil Station #052 located at 20200 Hesperian Boulevard, Hayward, California (**Figure 1**). Presented in this report are the results of the quarterly groundwater monitoring program conducted during the Third 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 July 21, 1999 are presented in **Table 1**. In general, groundwater occurs under water table conditions beneath the station at depths ranging from 7.45 feet from top of casing (toc) in monitoring well A-9 to 14.50 feet from toc in monitoring well A-6. A groundwater elevation contour map based upon July 21, 1999 data is presented as **Figure 1**. The groundwater regime has two lows and is saddle shaped. Consequently, there is no preferred 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, and A-4 through A-10 on July 21, 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**. A Copy of the EMC Project Status Report is 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 concentrations above or at the detection limit of 5 ug/L were in monitoring wells MW-1 (5 ug/L), and MW-2 (9 ug/L), all other concentrations were below the detection limits. TPH-g and benzene concentrations are plotted on **Figures 2 and 3**. An MTBE isoconcentration map is presented in **Figure 4**.

RECOMMENDATIONS

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 on December 11, 1998 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 annually.

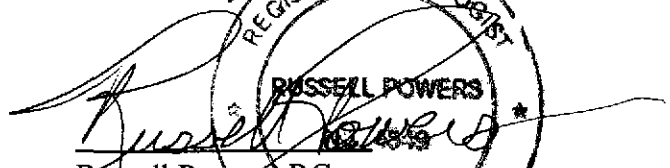
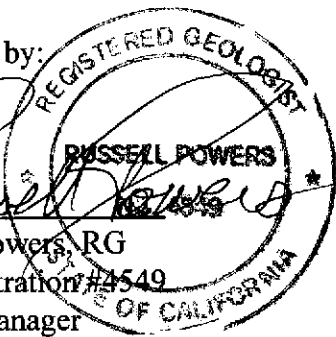
Should you have any questions or require additional information, please contact the undersigned at (562) 921-3581, X376.

Prepared by:

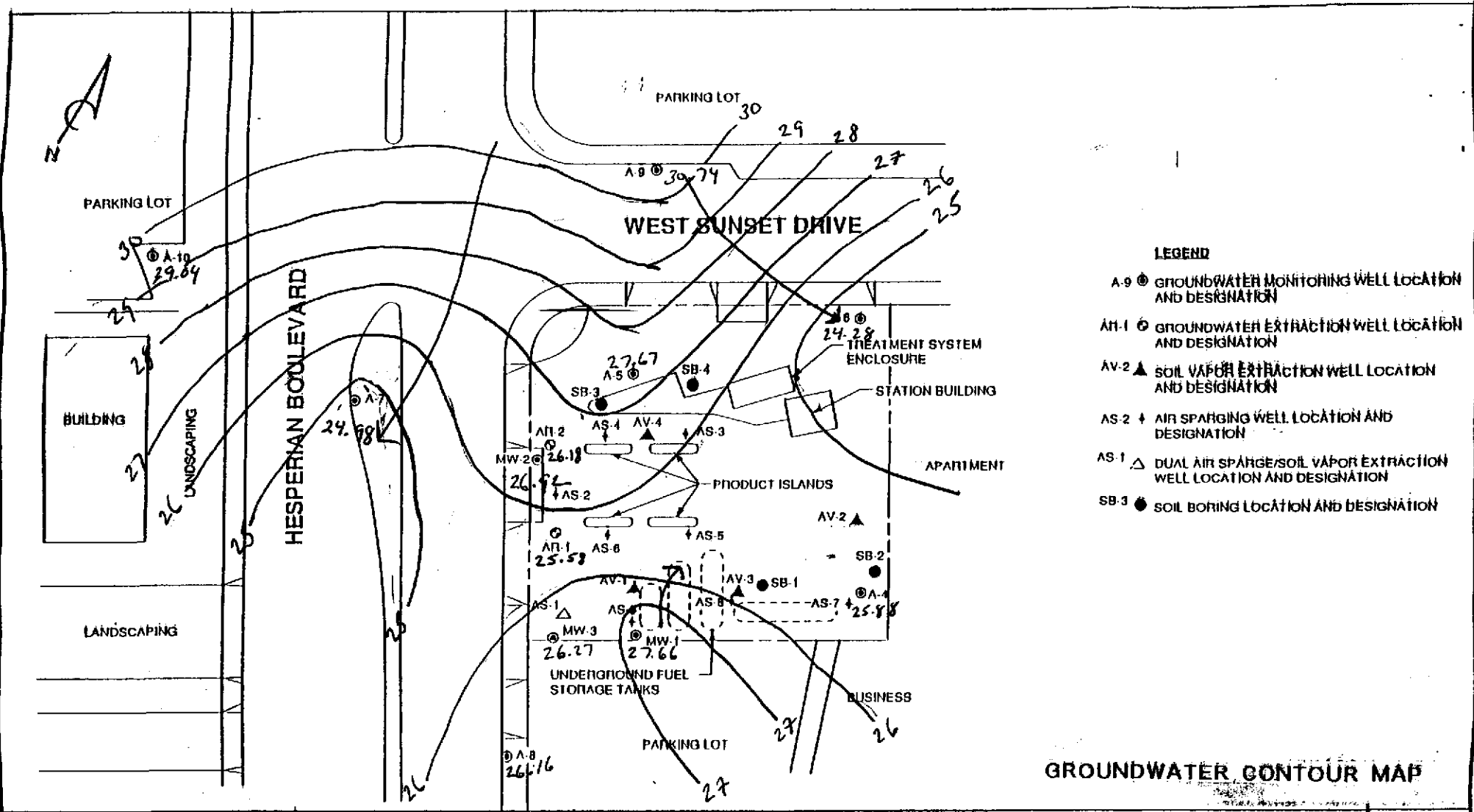


Raymond C. Friedrichsen
Project Manager
Environmental Geologist

Reviewed by:

Russell Powers, RG
CA Registration #4549
Project Manager

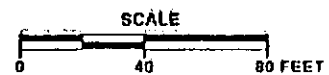


LEGEND

- A-9 ⊙ GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- A-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.

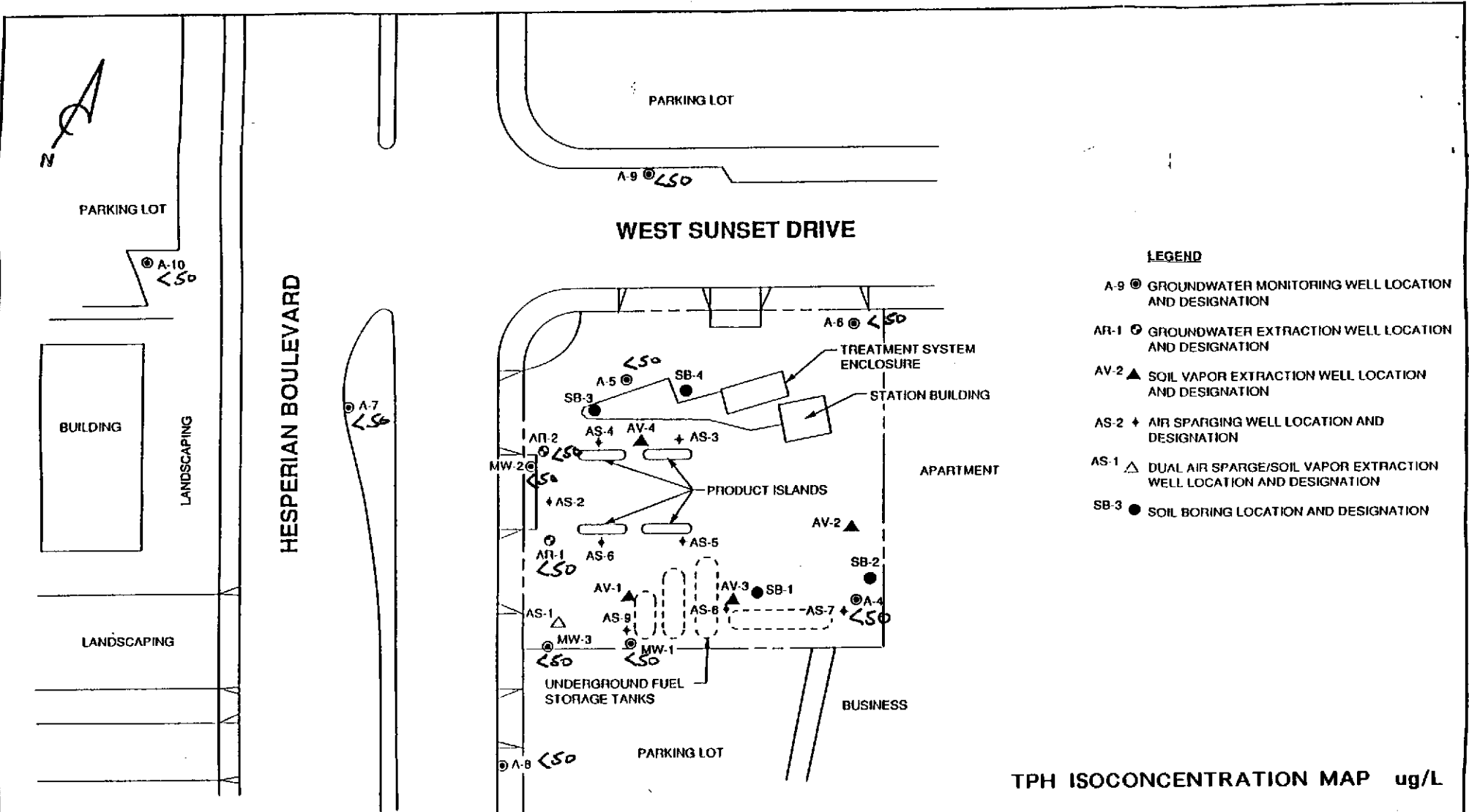


ARCO SERVICE STATION 5387
20200 Hesperian Boulevard at West Sunset Drive
Hayward, California

WELL LOCATION MAP

FIGURE:

1

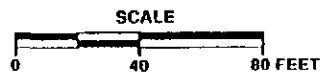


LEGEND

- 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

TPH ISOCONCENTRATION MAP ug/L

THRIFTY OIL CO.

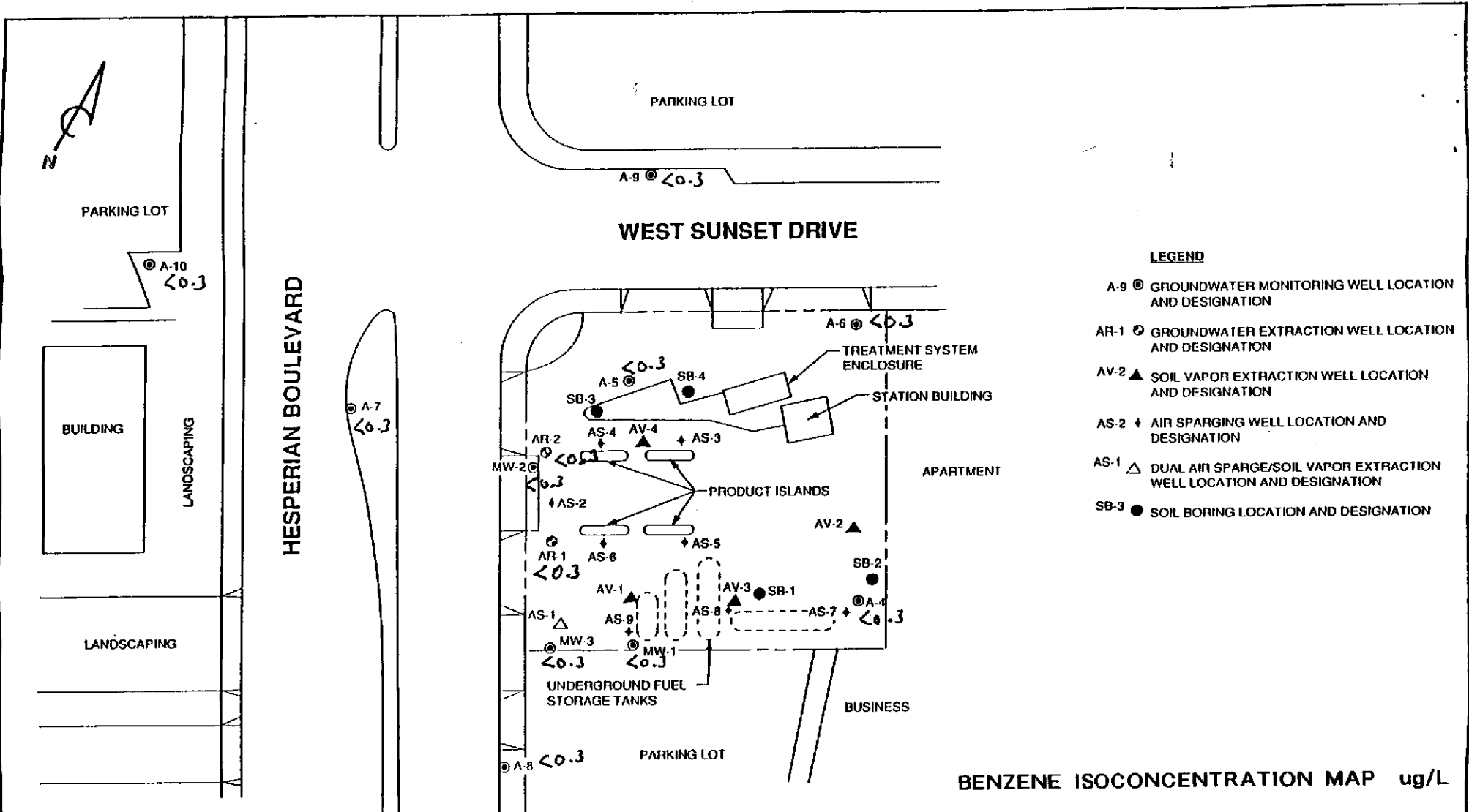


ARCO SERVICE STATION 5387
20200 Hesperian Boulevard at West Sunset Drive
Hayward, California

WELL LOCATION MAP

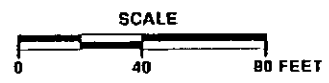
FIGURE:

2



BENZENE ISOCONCENTRATION MAP ug/L

THRIFTY OIL CO.

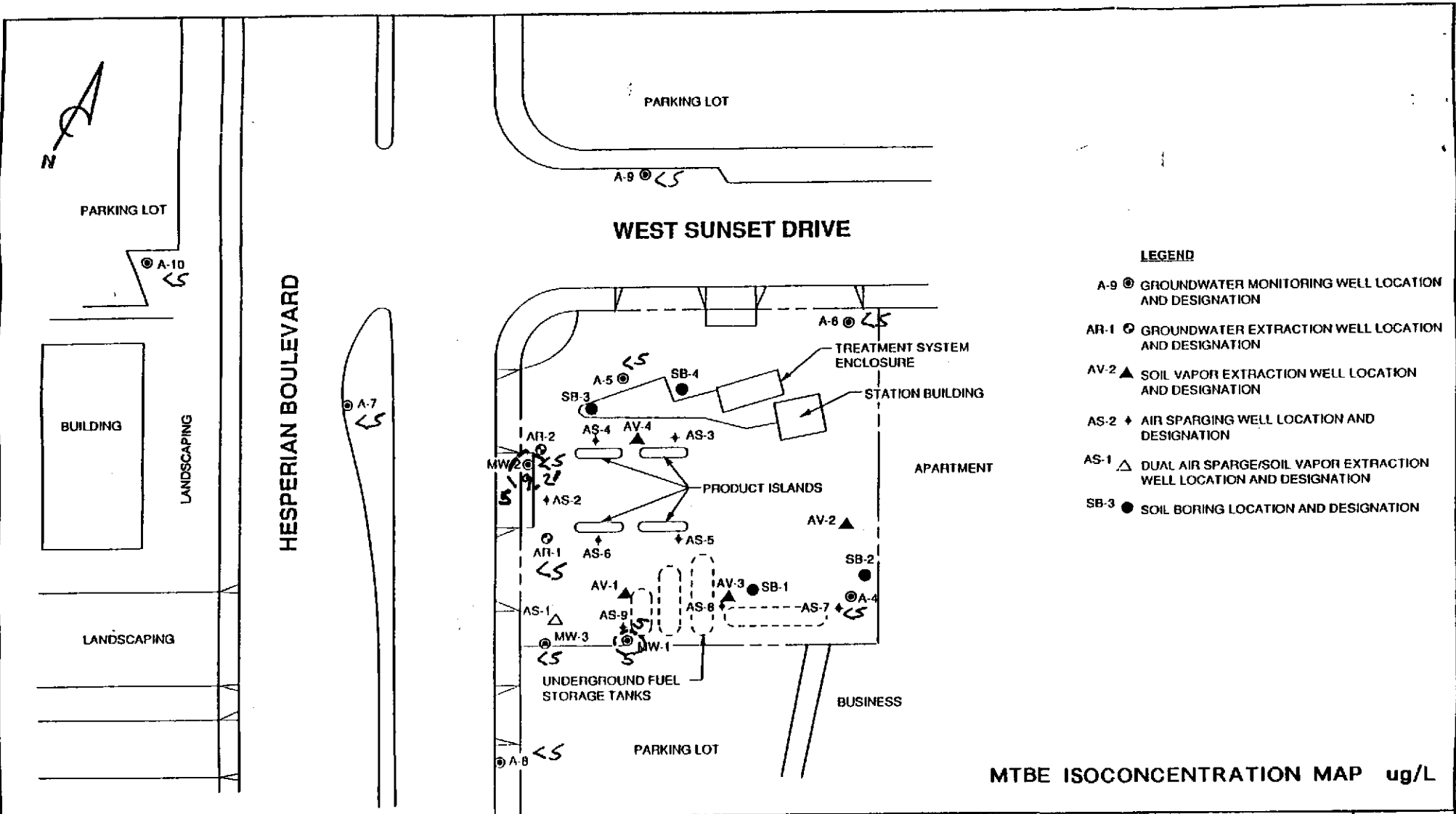


ARCO SERVICE STATION 5387
20200 Hesperian Boulevard at West Sunset Drive
Hayward, California

WELL LOCATION MAP

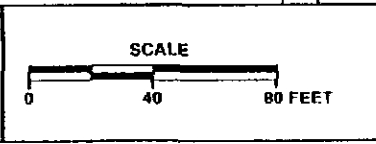
FIGURE:

3



MTBE ISOCONCENTRATION MAP ug/L

THRIFTY OIL CO.



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

WELL LOCATION MAP

FIGURE:
 4

**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)	MIBE (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
07/21/99	<50	<0.3	<0.3	<0.3	<0.5	<5	11.88	NP	0.00	37.46	25.58
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

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)	TOUENE (ug/L)	EthylBenzene (ug/L)	XYLENE (ug/L)	MTBE (ug/L)					
02/17/94	130	2.9	<0.5	15	0.8	-	12.76	NP	0.00	37.98	25.22
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
07/21/99	<50	<0.3	<0.3	<0.3	<0.5	<5	11.80	NP	0.00	37.98	26.18
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

**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)	MIBE (ug/L)					
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
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	* 31 / 17	8.05	NP	0.00	37.26	29.21
07/21/99	<50	<0.3	<0.3	<0.3	<0.5	*5.8 / 5	9.60	NP	0.00	37.26	27.66
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

**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)					
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
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	*23 / 16	11.05	NP	0.00	37.99	26.94
07/21/99	<50	<0.3	<0.3	<0.3	<0.5	*15 / 9.2	11.07	NP	0.00	37.99	26.92
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

**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	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
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
07/21/99	<50	<0.3	<0.3	<0.3	<0.5	<5	10.53	NP	0.00	36.80	26.27
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

**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	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
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
07/21/99	<50	<0.3	<0.3	<0.3	<0.5	<5	13.95	NP	0.00	39.53	25.58
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

**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	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
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
07/21/99	<50	<0.3	<0.3	<0.3	<0.5	<5	10.80	NP	0.00	38.47	27.67
<i>Monitoring Well A-6</i>											
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

**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	12.10	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
04/29/99	<50	<0.3	<0.3	<0.3	<0.5	<5	13.80	NP	0.00	38.78	24.98
07/21/99	<50	<0.3	<0.3	<0.3	<0.5	<5	14.50	NP	0.00	38.78	24.28
<i>Monitoring Well A-7</i>											
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

**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)					
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
07/21/99	<50	<0.3	<0.3	<0.3	<0.5	<5	14.40	NP	0.00	39.38	24.98
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

**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	1.5	<5	9.08	NP	0.00	36.76	27.68
07/21/99	<50	<0.3	<0.3	<0.3	<0.5	<5	10.60	NP	0.00	36.76	26.16
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
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
07/21/99	<50	<0.3	<0.3	<0.3	<0.5	<5	7.45	NP	0.00	38.19	30.74

**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)					
<i>Monitoring Well A-10</i>											
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
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
07/21/99	<50	<0.3	<0.3	<0.3	<0.5	<5	9.62	NP	0.00	38.66	29.04

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

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

EARTH MANAGEMENT CO.

Environmental Remediation

PROJECT STATUS REPORT
 THRIFTY OIL CO. S.S. 052
 20200 HESPERIAN BLVD.
 HAYWARD, CALIF. 94541
 DATE: 7-20-99

OBSERVATION WELLS

NO.	DTW	DTP	PT	DTB	DIA.	ODORS			S/P	
						YES	NO	S	YES	NO
A-4	13.95			34.40	3"		X			X
A-5	10.80			29.20	3"		X			X
A-6	14.50			34.25	3"		X			X
A-7	14.40			34.85	3"		X			X
A-8	10.60			33.60	2"		X			X
A-9	7.45			33.50	2"		X			X
A-10	9.62			34.15	2"		X			X
AR-1	11.88			34.00	6"		X			X
AR-2	11.80			34.60	6"		X			X
MW-1	9.60			28.00	2"		X			X
MW-2	11.07			26.40	2"		X			X
MW-3	10.53			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: Q.W.S.

FREE PRODUCT REMOVED: APPROX. GALLONS WATER REMOVED: APPROX. 460 GALLONS

DATA RECORDED BY: S.P. INPUT BY:



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.: A135052-16 ✓
Date Received: 07/23/99
Date Reported: 07/28/99
Units: ug/L

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
91349	A-10	07/21/99	07/26/99	<50	50
91350	A-7	07/21/99	07/26/99	<50	50
91351	A-9	07/21/99	07/26/99	<50	50
91352	A-6	07/21/99	07/27/99	<50	50
91353	A-4	07/21/99	07/27/99	<50	50
91354	A-5	07/21/99	07/27/99	<50	50
91355	MW-2	07/21/99	07/26/99	<50	50
91356	AR-2	07/21/99	07/26/99	<50	50
91357	AR-1	07/21/99	07/26/99	<50	50
91358	MW-1	07/21/99	07/26/99	<50	50
91359	MW-3	07/21/99	07/26/99	<50	50
91360	A-8	07/21/99	07/26/99	<50	50
91361	Trip Blank	07/21/99	07/26/99	<50	50

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

George Havallas
Laboratory Director



LABORATORY ANALYSIS RESULTS

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

AA Project No.: A135052-16
Date Received: 07/23/99
Date Reported: 07/28/99
Units: ug/L

Date Sampled:	07/21/99	07/21/99	07/21/99	07/21/99	
Date Analyzed:	07/26/99	07/26/99	07/26/99	07/27/99	
AA ID No.:	91349	91350	91351	91352	
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



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.: A135052-16
Date Received: 07/23/99
Date Reported: 07/28/99
Units: ug/L

Date Sampled:	07/21/99	07/21/99	07/21/99	07/21/99	
Date Analyzed:	07/27/99	07/27/99	07/26/99	07/26/99	
AA ID No.:	91353	91354	91355	91356	
Client ID No.:	A-4	A-5	MW-2	AR-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	<0.5	<0.5	<0.5	0.5

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

Page 3

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

AA Project No.: A135052-16
Date Received: 07/23/99
Date Reported: 07/28/99
Units: ug/L

	07/21/99	07/21/99	07/21/99	07/21/99	
Date Sampled:	07/21/99	07/21/99	07/21/99	07/21/99	
Date Analyzed:	07/26/99	07/26/99	07/26/99	07/26/99	
AA ID No.:	91357	91358	91359	91360	
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	<0.3	<0.3	0.3
Xylenes	<0.5	<0.5	<0.5	<0.5	0.5

George Havalias
Laboratory Director



LABORATORY ANALYSIS RESULTS

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

AA Project No.: A135052-16
Date Received: 07/23/99
Date Reported: 07/28/99
Units: ug/L

Date Sampled:	07/21/99	
Date Analyzed:	07/26/99	
AA ID No.:	91361	
Client ID No.:	Trip Blank	MRL
<u>Compounds:</u>		
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.

A handwritten signature in cursive script, appearing to read 'G. Havalias', written over a horizontal line.

George Havalias
Laboratory Director



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.: A135052-16
Date Received: 07/23/99
Date Reported: 07/28/99
Units: ug/L

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
91349	A-10				
91350	A-7	07/21/99	07/26/99	<5	5
91351	A-9	07/21/99	07/26/99	<5	5
91352	A-6	07/21/99	07/26/99	<5	5
91353	A-4	07/21/99	07/27/99	<5	5
91354	A-5	07/21/99	07/27/99	<5	5
91355	MW-2	07/21/99	07/27/99	<5	5
91356	AR-2	07/21/99	07/26/99	15	5
91357	AR-1	07/21/99	07/26/99	<5	5
91358	MW-1	07/21/99	07/26/99	<5	5
91359	MW-3	07/21/99	07/26/99	5.8	5
91360	A-8	07/21/99	07/26/99	<5	5
91361	Trip Blank	07/21/99	07/26/99	<5	5
				<5	5

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

George Havalias
Laboratory Director



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.: A135052-16
Date Received: 07/23/99
Date Reported: 08/04/99
Units: ug/L

AA I.D. No.	Client I.D. No.	Date Sampled	Date Analyzed	Results	MRL
91355	MW-2	07/21/99	08/03/99	9.2	5
91358	MW-1	07/21/99	08/03/99	5.0	5

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

George Havalias
Laboratory Director



LABORATORY QA/QC REPORT

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

AA ID No.: 91352
Project No.: N/A
AA Project No.: A135052-16
Date Analyzed: 07/27/99
Date Reported: 07/28/99

Compounds	Result (ug/L)	Spike Recovery (%)	Dup. Result (ug/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept. Rec. Range (%)
Benzene	20.00	100	20.28	101	1	65 - 135
Ethylbenzene	19.88	99	19.39	97	2	77 - 123
Toluene	19.92	100	19.55	98	2	66 - 134
Xylenes	19.74	99	19.39	97	2	73 - 127

George Havallas
Laboratory Director



LABORATORY QA/QC REPORT

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

AA ID No.: 91349
Project No.: N/A
AA Project No.: A135052-16
Date Analyzed: 07/26/99
Date Reported: 07/28/99

Compounds	Result (ug/L)	Spike Recovery (%)	Dup. Result (ug/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept. Rec. Range (%)
Benzene	18.33	92	19.41	97	5	65 - 135
Ethylbenzene	18.76	94	19.67	98	4	77 - 123
Toluene	18.71	94	19.56	98	4	66 - 134
Xylenes	19.30	97	20.34	102	5	73 - 127



George Havalias
Laboratory Director



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.: 91352
Project No.: N/A
AA Project No.: A135052-16
Date Analyzed: 07/27/99
Date Reported: 07/28/99

Compounds	Result (ug/L)	Spike Recovery (%)	Dup. Result (ug/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept.Rec. Range (%)
Gasoline Range Organics	450	90	450	90	0	59 - 149



George Havalias
Laboratory Director



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.: 91349
Project No.: N/A
AA Project No.: A135052-16
Date Analyzed: 07/26/99
Date Reported: 07/28/99

Compounds	Result (ug/L)	Spike Recovery (%)	Dup. Result (ug/L)	Spike/Dup. Recovery (%)	RPD (%)	Accept.Rec. Range (%)
Gasoline Range Organics	480	96	550	110	14	59 - 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: 7-21-99
PAGE 1 OF 1

AA Client THRIFTY OIL CO.	Phone 7562/921-3581	Sampler's Name SERBON P.
Project Manager JEFF SURYAKASUMA	P.O. No.	Sampler's Signature <i>[Signature]</i>
Project Name Q.W.S.	Project No.	Project Manager's Signature

Job Name and Address 20200 HESPERIAN BLVD. HAYWARD CA. 94541	ANALYSIS REQUIRED	Test Requirements
	Detection Limits	
	Test Name <i>TPH STEP MTBE 7260</i>	

AA ID.#	Client's ID.	Date	Time	Sample Type	Number of Containers	TPH	STEP	MTBE	7260	Test Requirements
91349	A-10	7-21-99	19:05	WATER	3	X	X	X		CONFIRM 8260 DETECTION MTBE Hold for all other samples
91350	A-7		19:10		3	X	X	X		
91351	A-9		19:15		3	X	X	X		
91352	A-6		19:20		3	X	X	X		
91353	A-4		19:25		3	X	X	X		
91354	A-5		19:30		3	X	X	X		
91355	MW-2		19:40		3	X	X	X		
91356	AR-2		19:45		3	X	X	X		
91357	AR-1		19:50		3	X	X	X		
91358	MW-1		19:55		3	X	X	X		
91359	MW-3		20:00		3	X	X	X		
91360	A-8		20:05		3	X	X	X		
91361	TRIP BLANK		7:30		2	X	X			

SAMPLE INTEGRITY-TO BE FILLED IN BY RECEIVING LAB Samples Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Samples Properly Cooled Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Samples Accepted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If Not Why: _____ AA Project No. A135052-16	Relinquished by: <i>[Signature]</i>	Date	Time	Received by:
	Relinquished by: CA. OVERNIGHT	Date	Time	Received by:
	Relinquished by:	Date	Time	Received by:
	Relinquished by:	Date	Time	Received by: