## THRIFTY OIL CO.

March 3, 1993

Mr. Scott O. Seary
Alameda County
Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Room 200
Oakland, California 94621

RE: Thrifty Oil Co. Station #054
2504 Castro Valley Boulevard
Castro Valley, California
4th. QUARTER REPORT, 1992

Dear Mr. Seary,

This letter report presents the results of soil/groundwater treatment and site monitoring during the 4th. quarter of 1992 at the subject site. A vicinity map is presented as Figure 1. The approximate location of the on- and off-site monitoring wells are shown on Figure 2. During the reporting period, the unit has not been operational. All monitoring is conducted by Earth Management Co. (EMC).

## Site Monitoring and Sample Collection

The site was visited on December 23, 1992, by an EMC technician in order to gauge the wells and collect groundwater samples. Water levels were measured in each well from the rim of well cover using a Marine Moisture Tape (nearest 0.01 feet) capable of also measuring the presence of free floating hydrocarbons. Depth to water ranged from about 2.45 to 9.96 feet below grade which is consistent with previous data collected. As of December 23, 1992, six of the twelve wells exhibited noticeable floating product that was measurable only as a sheen or film. The depth to water data was used in conjunction with the recent survey data to determine groundwater elevations across the site. The interpretation of groundwater flow across the site is depicted on Figure 2. In general, the groundwater flow was to the east at a gradient of about 4 feet per 100 feet. No pumping depressions were noted as the unit was not operational.

Prior to collecting groundwater samples from the wells that did not exhibit free floating hydrocarbons, about 4 well volumes of groundwater was removed using a PVC bailer. During the purging process, the pH, conductivity and temperature were checked and recorded to insure formation water was entering the well to be sampled. About 8 to 32 gallons of water were removed from each well and stored in 55 gallon D.O.T approved drums pending disposal or discharge through the treatment unit. Groundwater samples were collected with a Teflon bailer. Samples were maintained and transported in 40 milliliter vials placed on ice pending delivery to American Analytics, a state certified analytical laboratory headquartered in Chatsworth, California. Field monitoring sheets prepared by EMC personnel are included in **Appendix A**.



#### **Analytical Results**

Groundwater samples were analyzed for total hydrocarbons (TPH) and volatile aromatic compounds (BETX) using EPA methods 8015 and 8020, respectively. Copies of the laboratory analysis reports are attached in **Appendix B**. A summary of the results are presented in **Table** 1. The two down-gradient wells, RS-8 and RS-10 indicate no detectable hydrocarbons. Isoconcentration maps of TPH and benzene based on the September sampling event are presented as **Figures 3 and 4**.

#### **Treatment Unit Operation Status**

Based on the data obtained by EMC, the RSI-SAVE unit has operated a total of 5209 hours. The unit did not operate this quarter. A total of about 2672 gallons of water has been processed by the unit and discharged to the local sanitary sewer to date. However, no discharge of water occurred this period.

Over the last year of operation it is apparent that the RSI-SAVE unit has had some operational problems. In January, 1993, EMC conducted a detailed inspection of the equipment and determined that the internal combustion engine needed to be replaced for adequate system operation. This work is currently being conducted and the treatment unit should be operational by the end of March, 1993.

Since the unit has been inoperable for some time, all down hole pumps and appurtenant piping will be inspected and repaired/replaced as needed. In addition, weekly site visits will be made to provide system adjustments. After twelve months of continuous operation, the progress of treatment will be evaluated by estimating hydrocarbon removal rates, monitoring well water quality data and vapor/groundwater capture. If progress is being made on plume containment and clean-up, the unit will be operated as installed for another twelve month evaluation period. If the evaluation of the data suggests that modifications are needed to enhance the clean-up efforts at the site, proposals for pilot studies involving air sparging or enhancing the indigenous microbial population will be prepared and included in the quarterly status reports.

#### Closing

Thrifty will continue to conduct quarterly groundwater monitoring at the site. In addition, the RSI-SAVE system will be restarted and appropriate monitoring will be accomplished. If you have any questions please contact me at (310) 923-9876.

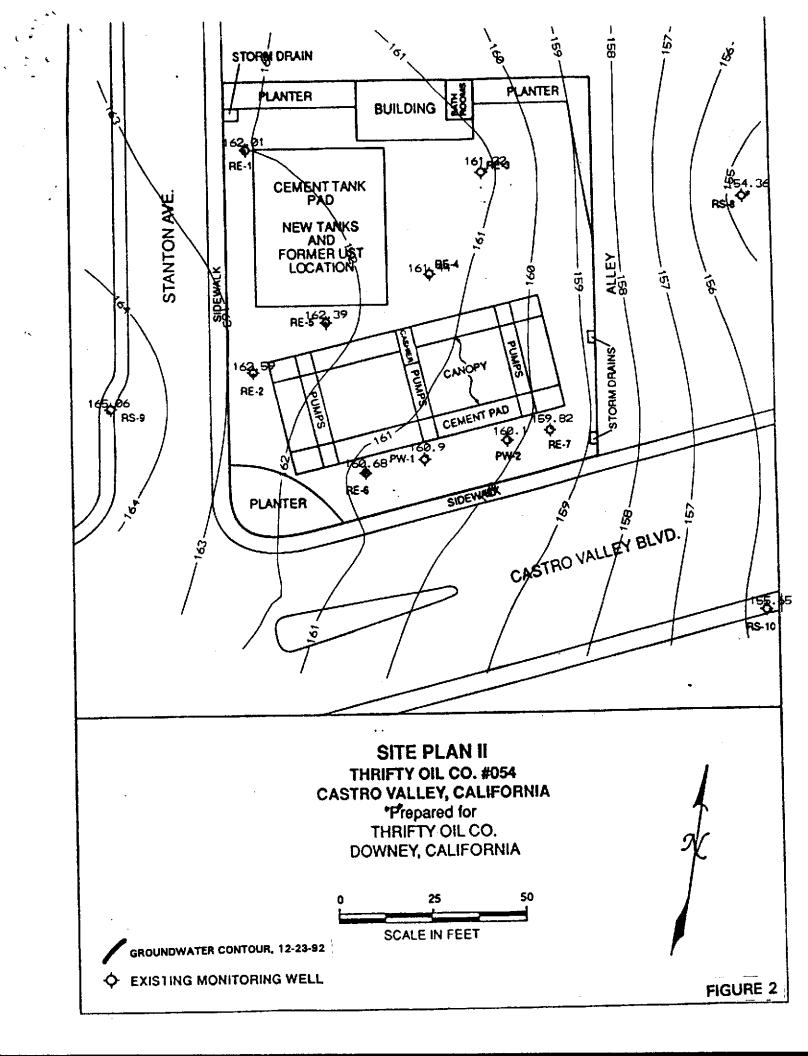
Very truly yours,

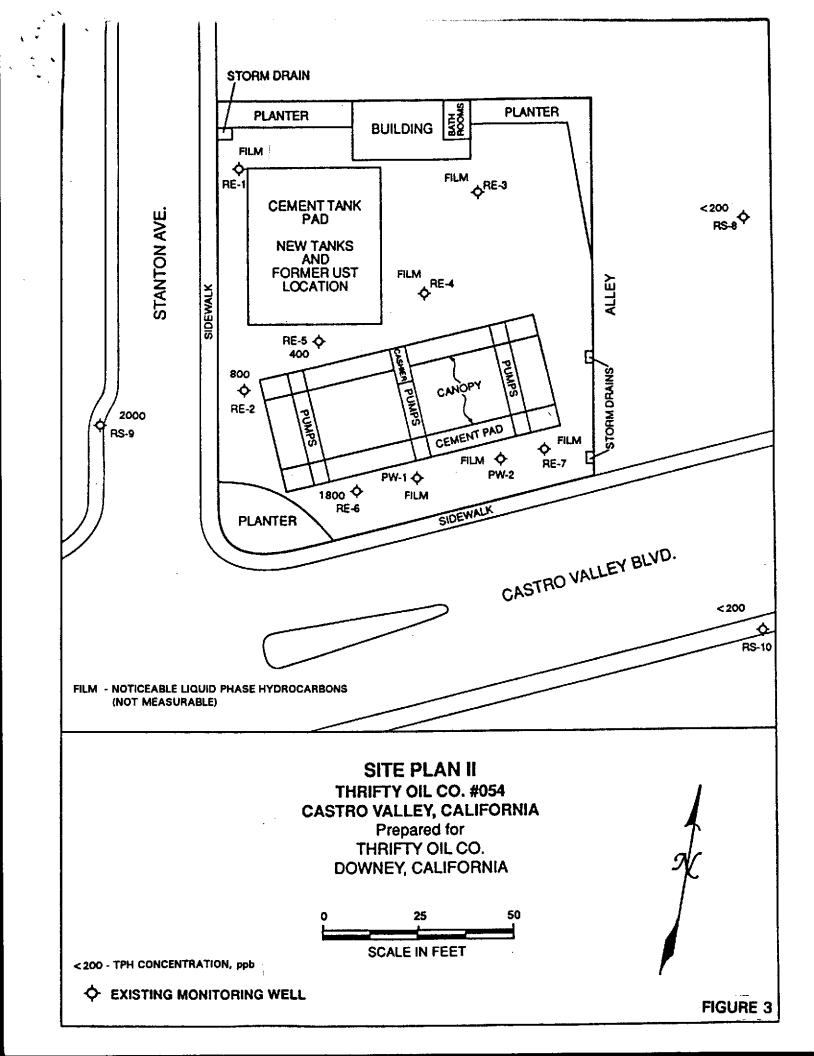
Peter D'Amico

Manager

**Environmental Affairs** 







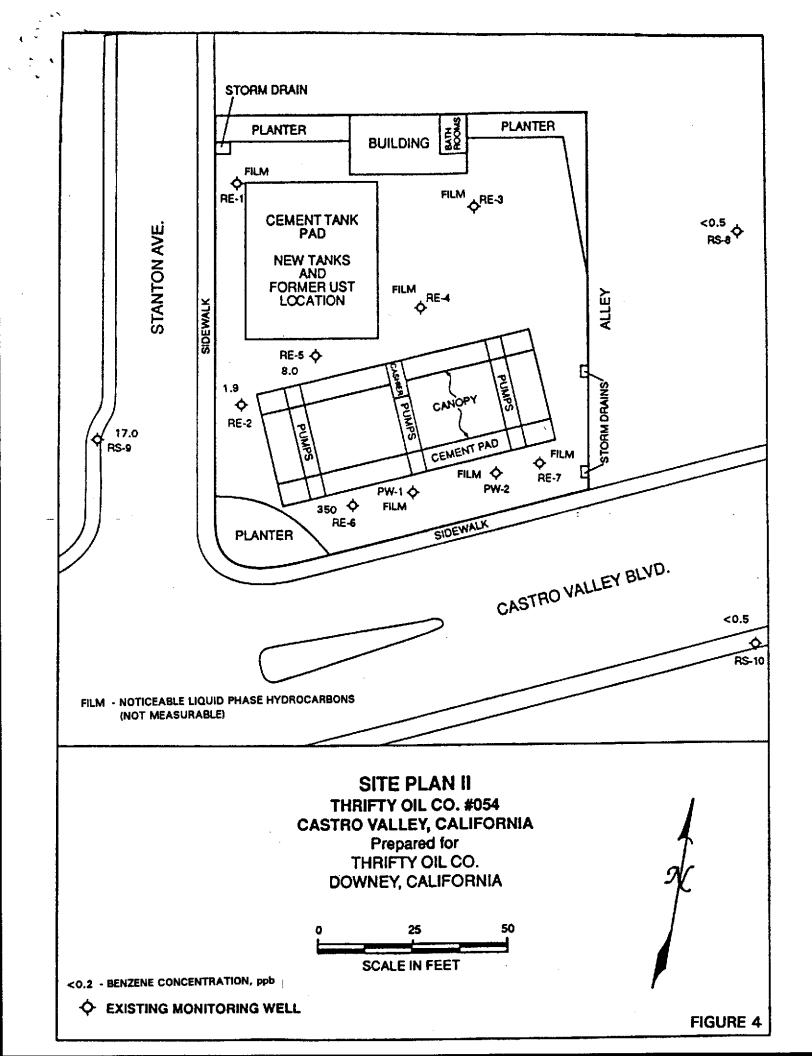


Table 1 - Summary of Analytical Results  I D Date D-Wat TPH Regraps Toluens E-Banzens Xylenes											
I.D	Date	D-Wat	TPH	Benzene	Toluene	E-Benzene	Xylenes				
PW-1	4/11/88	-	NSC								
166.46)	4/09/90	5.10	230000	600	2700	1000	1600				
	10/30/90	6.17	35000	240	970	240	358				
	1/18/91	6.28	37000	43	140	42	160				
	2/12/91	5.88	45000	99	130	25	70				
	3/20/91	4.75	1900	0.43	ND	ND	2				
	5/22/91	5.10	41000	600	730	250	380				
	6/19/91	5.61	NSC								
	7/17/91	5.53(Film)	NSC								
	8/07/91	5.67(Film)	NSC								
	9/24/91	5.57(Film)	NSC								
	10/23/91	6.53(Film)	NSC								
	11/06/91	5.85(Film)	NSC								
	12/04/91	5.91 (Film)	NSC								
	1/29/92	5.43(Film)	NSC								
	2/26/92	5.54(Film)	NSC								
	3/19/92	5.47	DN D	ND	ND	ND	1				
	4/22/92	5.62(Film)	NSC	110	.,,		•				
	5/21/92	6.21	1300	19	2.9	0.7	!				
	6/25/92	6.94	NSC	1.0	2.0	0.,	· ·				
	7/30/92	5.90(Film)	NSC								
	8/20/92	7.12(Film)	NSC								
	9/30/92	6.42	3400	57	ND	26	24				
		5.56(Film)	NSC	37	ND	20	•••				
000000000000000000000000000000000000000	12/23/92	3.30(Fillit)	Nac	6946844660466	. 100 100 100 100 100 100 100 100 100 10		71-1-1-100				
PW-2	4/11/88		NSC								
166.18)	4/09/90	5.81	600000	1300	11000	4600	430				
	10/30/90	8.95	48000	310	51	10	4:				
	1/18/91	6.92	86000	230	1400	350	83				
	2/12/91	8.78	160000	680	1300	250	70				
	3/20/91	5.54	17000	34	50	ND	11				
	5/22/91	6,07	14000	57	2100	500	82				
	6/19/91	6.37(Film)	NSC								
	7/17/91	6.38(Film)	NSC								
	8/07/91	6.63(Film)	NSC								
	9/24/91	6.42(Film)	NSC								
	10/23/91	7.25(Film)	NSC								
	11/06/91	6.44(Film)	NSC								
	12/04/91	6.65(Film)	NSC								
	1/29/92	6.17(Film)	NSC								
	2/26/92	5.90(Film)	NSC								
	3/19/92	5.80(Film)	NSC								
		5.88(Film)	NSC								
	4/22/92 E/21/02										
	5/21/92	6.03(Film)	NSC Nec								
	6/25/92	6.57(Film)	NSC								
	7/30/92	6.20(Film)	NSC								
	8/20/92	6.64(Film)	NSC								
	9/30/92	6.88(Film)	NSC								
აადიადითი ბრიტრი მმინმ	12/23/92	6.08(Film)	NSC		0.0000000000000000000000000000000000000	- 0.00 0000 000 000 000 000 000 000 000	22 A B B B B B B B B B B B B B B B B B B				

NA Not Analyzed.

TPH Total Petroleum Hydrocarbons as gasoline.

Depth to Water.

D-Wet -NSC -No sample collected due to film or sheen of liquid phase hydrocarbons.

RE-1			Tabl	e 1(CONT.) - Sum	mary of Analytic	ol Results		
(186.82) 4/09/90 4.99 45000 6100 7000 2000 10/30/90 5.95 72000 7700 5300 1800 1/18/91 5.17 150000 11000 14000 1800 2/12/12/1 4.16 140000 11000 12000 1600 3/20/91 4.75 53000 3100 4200 400 5/22/91 4.42 85000 8700 10000 1800 6/19/91 4.93 110000 8500 9600 2600 7/17/91 5.19 5500 950 ND 26 8/07/91 5.12 NA 6700 5000 ND 3/24/91 5.87 60000 6800 4300 640 10/23/91 5.81 79000 7900 8300 450 11/06/91 5.56 130000 14000 15000 1100 12/04/91 5.56 130000 14000 15000 1100 12/04/91 5.56 130000 14000 15000 1100 12/04/91 5.55 5000 8000 4700 520 1/29/92 4.50 21000 10300 11000 780 2/26/92 5.27 38000 8400 10500 720 3/19/92 4.47 48000 6200 9700 780 4/22/92 4.82 NSC 5/21/92 4.88 20000 7600 10100 830 6/25/92 5.34(Film) NSC 8/20/92 5.28(Film) NSC 9/30/92 5.28(Film) NSC 12/23/92 4.81(Film) NSC 12/23/92 4.81(Film) NSC 12/23/92 4.81(Film) NSC 12/23/91 4.94 1100 5.9 ND 2/12/3/91 5.50 670 7.2 7.1 ND 2/12/3/91 5.50 670 7.2 7.1 ND 2/12/3/92 5.85 1100 14 20 15 ND 2/12/3/92 5.91 5.90 ND 2/12/3/92 5.91 5.90 ND 2/12/3/92 5.91 5.90 ND 2/12/3/92 5.91 5.90 ND 2/12/3/92 5.94 5.90 ND 2/12/3/92 5.94 5.90 ND 2/12/3/92 5.94 5.90 ND 2/12/3/92 5.94 5.90 ND 2/12/3/92 5.95 500 7.5 6.8 3.9 3.9 3.9 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0		Date	D-Wat	ТРН	Benzene	Toluene	E-Benzene	Xylenes
10/30/90	4	/11/88		37000	1900	8400	1200	1500
1/18/91	32) 4	/09/90	4.99	45000	6100	7000	2000	880
2/12/81 4.16 140000 11000 12000 1600 3/20/81 4.75 53000 3100 4200 400 5/22/81 4.42 85000 8700 10000 1800 6/18/81 4.93 110000 8500 9600 2600 7/17/81 5.19 5500 950 ND 26 8/07/81 5.12 NA 6700 5000 ND 9/24/81 5.87 60000 8800 4300 640 10/23/91 5.81 79000 7900 8300 450 11/06/91 5.56 130000 14000 15000 1100 12/04/91 5.35 50000 8000 4700 520 11/28/92 4.50 21000 10300 11000 780 2/26/92 5.27 38000 8400 10500 720 3/18/92 4.52 NSC 5/21/92 4.62 NSC 5/21/92 4.62 NSC 5/21/92 4.98 20000 7600 10100 830 6/25/92 5.14(Film) NSC 8/20/92 5.28(Film) NSC 9/30/92 5.66(Film) NSC 12/23/92 4.81 (Film) NSC 12/23/92 4.81 (Film) NSC 8/20/92 5.30(Film) NSC 12/23/92 4.81 (Film) NSC 12/23/92 4.81 (Film) NSC 12/23/92 4.81 (Film) NSC 8/20/92 5.30(Film) SSC 12/23/92 4.81 (Film) NSC 12/23/92 4.81 (Film) NSC 12/23/92 4.81 (Film) NSC 12/23/92 4.81 (Film) NSC 9/30/92 5.66(Film) NSC 12/23/92 4.81 (Film) NSC 11/23/92 4.81 (Fi	10	0/30/90	5.95	72000	7700	5300	1800	890
3/20/91 4.75 53000 3100 4200 400 5/22/31 4.42 85000 8700 10000 1800 6/19/91 4.93 110000 8500 9600 2600 7/17/91 5.19 5500 950 ND 26 8/07/91 5.12 NA 6700 5000 ND 3/24/91 5.87 60000 6800 4300 640 10/23/91 5.81 79000 7900 8300 450 11/06/91 5.56 130000 14000 15000 1100 12/04/91 5.35 50000 8000 4700 520 11/29/92 4.50 21000 10300 11000 780 2/26/92 5.27 38000 8400 10500 720 3/19/92 4.47 48000 6200 9700 780 4/22/92 4.62 NSC 5/21/92 4.98 20000 7600 10100 830 6/25/92 5.28(Film) NSC 8/20/92 5.34 440 2.8 0.91 13 13 1/18/81 4.90 1100 6.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND 5/22/31 4.94 1100 6.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND 5/22/31 4.43 1000 5.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND 5/22/31 4.43 1000 5.9 ND 0.77 3/20/91 4.97 NA 3.8 1.8 ND 9/24/91 5.50 6.70 7.2 7.1 ND 0.28/91 5.83 2700 52 60 22 11/06/91 5.83 2700 52 60 22 11/06/91 5.83 2700 52 60 22 11/06/91 5.83 2700 52 60 22 11/06/91 5.83 2700 52 60 22 11/06/91 5.83 2700 52 60 22 11/06/91 5.83 2700 52 60 22 11/06/91 5.83 2700 52 60 22 11/06/91 5.83 2700 52 60 22 11/06/91 5.28 1100 26 47 4.3 100 ND ND 3/24/91 5.28 1100 26 47 4.3 1100 26 47 4.3 11/28/92 5.11 900 14 24 5.3 2/26/92 4.31 500 34 3.5 4.4 5.3 2/26/92 4.31 500 34 3.5 2.7 3/20/91 5.83 2700 52 60 22 11/06/91 5.83 2700 52 60 22 11/06/91 5.83 2700 52 60 22 11/06/91 5.83 2700 52 60 22 11/06/91 5.84 1900 14 24 5.3 2/26/92 4.31 500 14 20 18 61 9.1 2/26/92 5.11 900 14 24 5.3 2/26/92 4.31 500 14 20 18 61 9.1 500 14 22 5.3 2/26/92 5.11 900 14 24 5.3 2/26/92 5.11 900 14 24 5.3 2/26/92 5.11 900 14 24 5.3 2/26/92 5.11 900 14 24 5.3 2/26/92 5.11 900 14 20 15 6.8 3.3 900 90 90 90 90 90 90 90 90 90 90 90 90	1	/18/91	5.17	150000	11000	14000	1800	430
5/22/91	2	/12/91	4.16	140000	11000	12000	1600	1300
8/19/91 4.93 110000 8500 9600 2600 7/17/91 5.19 5500 950 ND 26 8/07/91 5.12 NA 6700 5000 ND 9/24/91 5.87 60000 6800 4300 640 10/23/91 5.81 79000 7900 8300 450 11/06/91 5.56 130000 14000 15000 1100 12/04/91 5.35 50000 8000 4700 520 1/29/92 4.50 21000 10300 11000 780 2/28/92 5.27 38000 8400 10500 720 3/19/92 4.47 48000 6200 9700 780 4/22/92 4.82 NSC 5/21/92 4.98 20000 7600 10100 830 6/25/92 5.14(Film) NSC 8/20/92 5.28(Film) NSC 9/30/92 5.66(Film) NSC 12/23/92 4.81(Film) NSC 12/23/92 4.81(Film) NSC 12/23/91 4.94 1100 5.9 ND 2/12/91 4.94 1100 5.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.3 3.6 4.4 6/18/91 4.30 1300 5.3 3.6 4.4 6/18/91 4.30 1300 5.3 3.6 4.4 6/18/91 5.50 670 7.2 7.1 ND 10/23/91 5.50 670 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/91 5.63 2700 52 60 22 11/06/91 5.63 2700 52 60 22 11/06/91 5.63 2700 52 60 22 11/06/91 5.63 2700 52 60 22 11/06/91 5.63 2700 52 60 22 11/06/91 5.63 2700 52 60 22 11/06/91 5.63 2700 52 60 22 11/06/91 5.63 2700 52 60 22 11/06/91 5.63 2700 52 60 22 11/06/91 5.64 1900 14 24 5.3 8/07/91 4.97 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/91 5.14 1800 18 61 9.1 11/20/92 5.11 900 14 24 5.3 8/07/91 4.97 NA 3.8 1.6 ND 9/24/91 5.60 5.7 NA 3.8 1.6 ND 9/24/91 5.60 5.7 NA 3.8 1.6 ND 9/24/91 5.60 50 670 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/92 5.11 900 14 24 5.3 8/07/91 4.97 NA 3.8 61 9.1 11/20/92 5.11 900 14 24 5.3 8/07/91 4.97 NA 3.8 61 9.1 11/20/92 5.11 900 14 24 5.3 8/07/91 5.63 2700 52 60 22 11/06/92 5.11 900 14 20 5.3 8/07/92 5.11 900 14 20 5.3 8/07/92 5.11 900 14 20 5.3 8/07/92 5.11 900 14 20 5.3 8/07/92 5.11 900 14 20 5.3 8/07/92 5.11 900 14 20 5.3 8/07/92 5.11 900 14 20 5.3 8/07/92 5.11 900 14 20 5.3 8/07/92 5.11 900 14 20 5.3 8/07/92 5.11 900 14 20 5.3 8/07/92 5.11 900 14 20 5.3 8/07/92 5.11 900 14 20 5.3 8/07/92 5.11 900 14 20 5.3 8/07/92 5.11 900 14 20 5.3 8/07/92 5.11 900 14 20 5.3 8/07/92 5.13 ND	3	/20/91	4.75	53000	3100	4200	400	556
7/17/91 5.19 5500 950 ND 26 8/07/81 5.12 NA 6700 5000 ND 9/24/91 5.87 60000 8800 4300 640 10/23/91 5.81 79000 7900 8300 450 11/06/91 5.56 130000 14000 15000 1100 12/04/91 5.35 50000 8000 4700 520 11/29/92 4.50 21000 10300 11000 780 2/26/92 5.27 38000 8400 10500 720 3/19/92 4.47 48000 6200 9700 780 4/22/92 4.62 NSC 5/21/92 4.98 20000 7600 10100 830 6/25/92 5.30(Film) NSC 7/30/92 5.36(Film) NSC 8/20/92 5.28(Film) NSC 12/23/92 4.81(Film) NSC 12/23/93 4.81(Film) NSC 12/23/93 4.81(Film) NSC 12/23/93 4.81(Film) NSC 12/23/93 4.81 100 5.8 0.5 4.8 10/30/90 5.34 440 2.8 0.91 13 1/18/91 4.90 1100 8.4 3.1 ND 2/12/91 4.94 1100 5.9 ND ND 5/22/91 6.43 700 2.1 1.4 3.8 7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 5.83 2700 5.2 60 22 11/06/91 5.14 1900 18 61 91 91 10/23/91 5.83 2700 52 60 22 11/06/91 5.14 1900 18 61 91 91 10/23/91 5.83 2700 52 60 22 11/06/91 5.14 1900 14 24 5.3 8/07/91 5.83 2700 52 60 22 11/06/91 5.14 1900 14 24 5.3 2/26/92 5.11 900 14 24 5.3 2/26/92 5.11 900 14 24 5.3 2/26/92 5.11 900 14 24 5.3 2/26/92 5.11 900 14 20 15 4/22/92 5.12 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5	/22/91	4.42	85000	8700	10000	1800	120
8/07/91   5.12   NA   6700   5000   ND     9/24/91   5.87   60000   8800   4300   640     10/23/91   5.81   79000   7900   8300   450     11/06/91   5.56   130000   14000   15000   1100     12/04/91   5.35   50000   8000   4700   520     1/29/92   4.50   21000   10300   11000   780     2/26/92   5.27   38000   8400   10500   720     3/19/92   4.47   48000   6200   9700   780     4/22/92   4.62   NSC     5/21/92   4.98   20000   7600   10100   830     6/25/92   5.14/Film)   NSC     8/20/92   5.28/Film)   NSC     9/30/92   5.36(Film)   NSC     12/23/92   4.81(Film)   NSC     12/23/92   4.81(Film)   NSC     10/30/90   5.34   440   2.8   0.91   13     1/18/91   4.90   3100   8.4   3.1   ND     2/12/91   4.32   550   4.3   ND   ND     5/22/91   4.43   1000   5.3   3.6   4.4     6/19/91   5.43   700   2.1   1.4   3.8     7/17/91   4.75   880   12.0   8.0   4.3     8/07/91   4.87   NA   3.8   1.6   ND     9/22/91   5.83   2700   52   60   22     11/06/91   5.83   2700   52   60   22     11/06/91   5.83   2700   52   60   22     11/06/91   5.43   1000   3.4   3.5   2.7     12/24/91   5.26   1100   26   47   4.3     12/24/92   4.37   NA   3.8   1.6   ND     9/22/91   5.83   2700   52   60   22     11/06/91   5.14   1900   18   61   9.1     12/04/91   5.26   1100   26   47   4.3     1/29/92   5.11   900   14   24   5.3     2/26/92   4.31   500   3.4   3.5   2.7     3/19/92   4.48   1200   ND   ND   ND     5/21/92   5.13   ND   ND   0.9   0.7     3/19/92   5.14   1900   14   20   15     4/22/92   4.78   200   ND   ND   ND   ND     5/21/92   5.13   ND   ND   0.9   0.7     7/30/92   5.19   500   7.7   8.6   3.2     8/20/92   5.27   1100   6.6   4.5   2.7     9/30/92   5.45   500   5.4   2.4   1.8	6	/19/91	4.93	110000	8500	9600	2600	160
9/24/91 5.87 6000 6800 4300 640 10/23/91 5.81 79000 7900 8300 450 11/06/91 5.56 130000 14000 15000 1100 12/04/91 5.36 50000 8000 4700 520 11/29/92 4.50 21000 10300 11000 780 2/26/92 5.27 38000 8400 10500 720 3/19/92 4.47 48000 6200 9700 780 4/22/92 4.62 NSC 5/21/92 4.98 20000 7600 10100 830 6/25/92 5.14(Film) NSC 8/20/92 5.28(Film) NSC 8/20/92 5.28(Film) NSC 12/23/92 4.81(Film) NSC 21/19/91 4.90 1100 8.4 3.1 ND 21/18/91 4.90 1100 8.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND 0.77 3/20/91 4.32 550 4.3 ND ND ND 5/22/91 4.43 1000 5.9 ND 0.77 3/20/91 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/91 5.14 1900 18 61 9.1 12/24/91 5.26 1100 26 47 4.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 34 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND ND 5/21/92 5.02 500 7.5 8.8 3.9 6/25/92 5.13 ND ND 0.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.19 500 7.7 8.6 3.2			5.19	5500	950	ND	26	1
9/24/91 5.87 60000 6800 4300 640 10/23/91 5.81 79000 7800 8300 450 11/06/91 5.56 130000 14000 15000 1100 12/04/91 5.35 50000 8000 4700 520 1/29/92 4.50 21000 10300 11000 780 2/26/92 5.27 38000 8400 10500 720 3/19/92 4.47 48000 6200 9700 780 4/22/92 4.62 NSC 5/21/92 4.98 20000 7600 10100 830 6/25/92 5.14(Film) NSC 8/20/92 5.28(Film) NSC 8/20/92 5.28(Film) NSC 12/23/92 4.81(Film) NSC 11/18/91 4.90 1100 8.4 3.1 ND 2/12/91 4.32 550 4.3 ND 0,77 3/20/91 4.32 550 4.3 ND ND 2/12/91 4.43 1000 5.9 ND 0,77 3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.9 ND 0,77 3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.9 ND 0,77 3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.9 ND 0,77 3/20/91 5.63 700 5.1 1.4 3.8 7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/91 5.14 1900 18 61 9.1 11/26/91 5.26 1100 26 47 4.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 34 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND ND 5/21/92 5.02 500 7.5 8.8 3.9 6/25/92 5.13 ND ND 0.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.19 500 7.7 8.6 3.2	8	/07/91	5.12	NA	6700	5000	ND	71
10/23/91 5.81 79000 7900 8300 450 11/06/91 5.56 130000 14000 15000 1100 12/04/91 5.36 50000 8000 4700 520 1/29/92 4.50 21000 10300 11000 780 2/26/92 5.27 38000 8400 10500 720 3/19/92 4.62 NSC 5/21/92 4.98 20000 7600 10100 830 6/25/92 5.14(Film) NSC 7/30/92 5.30(Film) NSC 8/20/92 5.28(Film) NSC 12/23/92 4.81(Film) NSC 11/18/91 4.90 1100 8.4 3.1 ND 21/12/91 4.94 1100 5.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.3 3.6 4.4 6/19/91 6.43 700 2.1 1.4 3.8 7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/91 5.14 1900 18 61 9.1 12/04/91 5.28 1100 26 47 4.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 34 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND 5/21/92 5.13 ND ND 0.3 0.7 7/30/92 5.13 ND ND 0.3 0.7 7/30/92 5.14 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7	9	/24/91			6800	4300	640	69
11/06/91 5.56 130000 14000 15000 1100 12/04/91 5.35 50000 8000 4700 520 1/29/92 4.50 21000 10300 11000 780 2/26/92 5.27 38000 8400 10500 720 3/13/92 4.47 48000 6200 9700 780 4/22/92 4.62 NSC 5/21/92 4.98 20000 7600 10100 830 6/25/92 5.14(Film) NSC 7/30/92 5.28(Film) NSC 8/20/92 5.28(Film) NSC 12/23/92 4.81(Film) NSC 12/23/92 4.81(Film) NSC 12/23/92 4.81(Film) NSC 12/23/92 5.34 440 2.8 0.91 13 1/18/91 4.90 1100 8.4 3.1 ND 2/12/91 4.94 1100 5.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.3 3.6 4.4 6/13/91 6.43 700 2.1 1.4 3.8 7/17/91 4.75 880 12.0 8.0 8.0 4.3 8/07/91 4.87 NA 3.9 1.6 ND 9/24/91 5.63 2700 52 60 22 11/26/91 5.14 1900 10 26 47 4.3 8/07/91 5.63 2700 52 60 22 11/26/91 5.14 1900 10 26 47 4.3 8/07/91 5.63 2700 52 60 22 11/26/91 5.14 1900 18 61 9.1 12/04/91 5.26 1100 26 47 4.3 1/28/92 5.11 900 14 24 5.3 2/26/92 4.31 500 7.5 8.9 3.9 1/28/92 5.11 900 14 24 5.3 2/26/92 4.78 200 ND ND ND 5/21/92 5.11 900 14 20 15 4/22/92 4.78 200 ND ND ND 5/21/92 5.13 ND ND 5/21/92 5.12 5.02 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.19 500 7.7 8.6 3.2	10	0/23/91	5.81	79000		8300	450	71
12/04/91 5.35 50000 8000 4700 520 1/29/92 4.50 21000 10300 11000 780 2/26/92 5.27 38000 8400 10500 720 3/19/92 4.47 48000 6200 9700 780 4/22/92 4.62 NSC 5/21/92 4.98 20000 7600 10100 830 6/25/92 5.14(Film) NSC 8/20/92 5.28(Film) NSC 9/30/92 5.86(Film) NSC 12/23/92 4.81(Film) NSC 12/23/91 4.90 1100 8.4 3.1 ND 2/12/81 4.94 1100 5.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.3 3.6 4.4 6/19/91 5.43 700 2.1 1.4 3.8 7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.83 2700 52 60 22 11/06/91 5.14 1800 18 61 9.1 12/04/91 5.26 1100 26 47 4.3 1/29/92 5.11 800 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND 5/21/92 5.02 500 7.5 5.8 3.9 8/25/92 5.13 ND ND ND ND 5/21/92 5.02 500 7.5 5.8 3.9 8/25/92 5.13 ND ND ND ND ND ND 5/21/92 5.02 500 7.5 5.8 3.9 8/25/92 5.13 ND ND ND ND ND ND 5/21/92 5.02 500 7.5 5.8 3.9 8/25/92 5.13 ND ND ND ND ND ND ND 5/21/92 5.25 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8			5.56		14000	15000	1100	88
1/29/92 4.50 21000 10300 11000 780 2/26/92 5.27 38000 8400 10500 720 3/19/92 4.47 48000 6200 9700 780 4/22/92 4.62 NSC 5/21/92 4.98 20000 7600 10100 830 6/25/92 5.14(Film) NSC 7/30/92 5.36(Film) NSC 8/20/92 5.28(Film) NSC 12/23/92 4.81(Film) NSC 12/2/91 4.90 850 5.8 0.5 4.8 10/30/90 5.34 440 2.8 0.91 13 1/18/91 4.90 1100 8.4 3.1 ND 2/12/91 4.32 550 4.3 ND ND 2/12/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.8 ND 0,77 3/20/91 5.43 700 2.1 1.4 3.8 7/17/91 6.43 700 2.1 1.4 3.8 7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 4.97 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.83 2700 52 60 22 11/06/91 5.83 2700 52 60 22 11/06/91 5.83 2700 52 60 22 11/06/91 5.84 1900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 24 5.3 2/26/92 5.11 900 14 24 5.3 2/26/92 5.13 ND ND ND ND 5/21/92 5.13 ND ND ND ND ND 5/21/92 5.13 ND ND ND ND ND 5/21/92 5.13 ND ND ND ND ND ND 5/21/92 5.13 ND ND ND 0.9 0.7 7/30/92 5.13 ND ND ND 0.9 0.7								41
2/26/92   5.27   38000   8400   10500   720   3/19/92   4.47   48000   6200   9700   780   4/22/92   4.62   NSC   5/21/92   4.98   20000   7600   10100   830   6/25/92   5.14(Film)   NSC   7/30/92   5.30(Film)   NSC   8/20/92   5.28(Film)   NSC   9/30/92   5.66(Film)   NSC   12/23/92   4.81(Film)   NSC   12/23/92   4.81(Film)   NSC   12/23/92   4.81(Film)   NSC   167.19)   4/09/90   4.90   8.50   5.8   0.5   4.8   10/30/90   5.34   440   2.8   0.91   13   1/18/91   4.90   1100   8.4   3.1   ND   2/12/91   4.94   1100   5.9   ND   0.77   3/20/91   4.32   850   4.3   ND   ND   5/22/91   4.43   1000   5.3   3.6   4.4   6/19/91   5.43   700   2.1   1.4   3.8   7/17/91   4.75   880   12.0   8.0   4.3   8/07/91   4.97   NA   3.8   1.6   ND   9/24/91   5.63   2700   52   60   22   11/06/91   5.14   1800   18   61   9.1   12/20/91   5.63   2700   52   60   22   11/06/91   5.14   1800   18   61   9.1   12/20/92   5.11   900   14   24   5.3   2/26/92   4.31   500   3.4   3.5   2.7   3/19/92   5.13   ND   ND   ND   5/21/92   5.02   500   7.5   8.8   3.9   5/25/92   5.13   ND   ND   0.9   8/20/92   5.27   1100   6.8   4.5   2.7   9/30/92   5.45   500   5.4   2.4   1.8						11000	780	60
3/19/92 4.47 48000 6200 9700 780 4/22/92 4.62 NSC 5/21/92 4.98 20000 7600 10100 830 6/25/92 5.14(Film) NSC 7/30/92 5.30(Film) NSC 8/20/92 5.28(Film) NSC 9/30/92 5.86(Film) NSC 12/23/92 4.81(Film) NSC  RE-2 4/11/88 — NSC 167.19) 4/09/90 4.90 850 5.8 0.5 4.8 10/30/90 5.34 440 2.8 0.91 13 1/18/91 4.90 1100 8.4 3.1 ND 2/12/91 4.94 1100 5.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.3 3.6 4.4 6/19/91 6.43 700 2.1 1.4 3.8 7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.83 2700 52 60 22 11/06/91 5.14 1900 18 81 9.1 12/04/91 5.26 1100 26 47 4.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND 5/21/92 5.02 500 7.5 6.8 3.9 6/25/92 5.13 ND ND ND 5/21/92 5.27 1100 6.6 4.5 2.7 3/30/92 5.45 500 5.4 2.4 1.8			5.27	38000	8400	10500	720	71
### ### ##############################			4.47	48000	6200	9700	780	72
6/25/92 5.14(Film) NSC 7/30/92 5.28(Film) NSC 8/20/92 5.28(Film) NSC 9/30/92 5.28(Film) NSC 12/23/92 4.81(Film) NSC 12/23/92 4.81(Film) NSC  RE-2 4/11/88 — NSC 167.18) 4/09/90 4.90 850 5.8 0.5 4.8 10730/90 5.34 440 2.8 0.91 13 1/18/91 4.90 1100 8.4 3.1 ND 2/12/91 4.94 1100 5.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND 0.77 3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.3 3.6 4.4 6/19/91 5.43 700 2.1 1.4 3.8 7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/91 5.14 1900 18 61 9.1 11/204/91 5.26 1100 26 47 4.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 24 5.3 2/26/92 4.78 200 ND ND ND 5/21/92 5.02 500 7.5 8.8 3.9 6/25/92 5.13 ND ND ND ND 5/21/92 5.02 500 7.5 8.8 3.9 6/25/92 5.13 ND ND ND ND 5/21/92 5.02 500 7.5 8.8 3.9 6/25/92 5.13 ND ND ND ND ND 5/21/92 5.02 500 7.5 8.8 3.9 6/25/92 5.13 ND ND ND ND ND 5/21/92 5.02 500 7.5 8.8 3.9 6/25/92 5.13 ND ND ND ND ND 5/21/92 5.02 500 7.5 8.8 3.9				NSC				
6/25/92 5.14(Film) NSC 7/30/92 5.28(Film) NSC 8/20/92 5.28(Film) NSC 9/30/92 5.28(Film) NSC 12/23/92 4.81(Film) NSC 12/23/92 4.81(Film) NSC  RE-2 4/11/88 — NSC 167.18) 4/09/90 4.90 850 5.8 0.5 4.8 10730/90 5.34 440 2.8 0.91 13 1/18/91 4.90 1100 8.4 3.1 ND 2/12/91 4.94 1100 5.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND 0.77 3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.3 3.6 4.4 6/19/91 5.43 700 2.1 1.4 3.8 7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/91 5.14 1900 18 61 9.1 11/204/91 5.26 1100 26 47 4.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 24 5.3 2/26/92 4.78 200 ND ND ND 5/21/92 5.02 500 7.5 8.8 3.9 6/25/92 5.13 ND ND ND ND 5/21/92 5.02 500 7.5 8.8 3.9 6/25/92 5.13 ND ND ND ND 5/21/92 5.02 500 7.5 8.8 3.9 6/25/92 5.13 ND ND ND ND ND 5/21/92 5.02 500 7.5 8.8 3.9 6/25/92 5.13 ND ND ND ND ND 5/21/92 5.02 500 7.5 8.8 3.9 6/25/92 5.13 ND ND ND ND ND 5/21/92 5.02 500 7.5 8.8 3.9					7600	10100	830	69
7/30/92 5.30(Film) NSC 8/20/92 5.28(Film) NSC 9/30/92 5.66(Film) NSC 12/23/92 4.81(Film) NSC  RE-2 4/11/88 - NSC 167.19) 4/09/90 4.90 850 5.8 0.5 4.8 10/30/90 5.34 440 2.8 0.91 13 1/18/91 4.90 1100 8.4 3.1 ND 2/12/91 4.94 1100 5.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND ND 5/22/91 4.43 1000 5.3 3.6 4.4 6/19/91 6.43 700 2.1 1.4 3.8 7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 6.70 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/91 5.14 1800 18 81 9.1 12/04/91 5.26 1100 26 47 4.3 1/28/92 5.11 900 14 24 5.3 1/28/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND ND 5/21/92 5.02 500 7.5 6.8 3.9 6/25/92 5.13 ND ND ND O.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7				NSC				
8/20/92 5.28(Film) NSC 12/23/92 4.81 (Film) NSC 12/23/92 4.81 (Film) NSC 12/23/92 4.81 (Film) NSC 167.19) 4/09/90 4.90 850 5.8 0.5 4.8 10/30/90 5.34 440 2.8 0.91 133 1/18/91 4.90 1100 8.4 3.1 ND 2/12/91 4.94 1100 5.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND ND 5/22/91 4.43 1000 5.3 3.6 4.4 6/19/91 6.43 700 2.1 1.4 3.8 7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 9/24/91 5.63 2700 52 60 22 11/06/91 5.14 1800 18 61 9.1 12/04/91 5.26 1100 25 47 4.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND ND S/21/92 5.02 500 7.5 5.8 3.9 6/25/92 5.13 ND ND ND ND ND ND S/21/92 5.19 500 7.7 8.6 3.2 8/20/92 5.19 500 7.7 8.6 3.2 8/20/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8								
9/30/92 5.66(Film) NSC  RE-2 4/11/88 NSC 187.18) 4/09/90 4.90 850 5.8 0.5 4.8 10/30/90 5.34 440 2.8 0.91 13 1/18/91 4.90 1100 8.4 3.1 ND 2/12/91 4.94 1100 5.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.3 3.6 4.4 6/19/81 6.43 700 2.1 1.4 3.8 7/17/81 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.83 2700 52 60 22 11/06/91 5.14 1900 18 61 9.1 12/04/91 5.26 1100 26 47 4.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND ND 5/21/92 5.02 500 7.5 6.8 3.9 6/25/92 5.13 ND ND ND 0.9 0.7 7/30/92 5.19 500 7.5 6.8 3.9 6/25/92 5.11 100 6.6 4.5 2.7								
RE-2 4/11/86 — NSC 167.19) 4/09/90 4.90 850 5.8 0.5 4.8 10/30/90 5.34 440 2.8 0.91 13 1/18/91 4.90 1100 8.4 3.1 NO 2/12/91 4.94 1100 5.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.3 3.8 4.4 6/19/91 6.43 700 2.1 1.4 3.8 7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/91 5.14 1900 18 61 9.1 12/04/91 5.26 1100 26 47 4.3 1/29/92 5.11 900 14 24 5.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND 5/21/92 5.02 500 7.5 6.8 3.9 6/25/92 5.13 ND ND 0.9 6/25/92 5.13 ND ND 0.9 6/25/92 5.13 ND ND 0.9 6/25/92 5.19 500 7.5 6.8 3.9 6/25/92 5.11 100 6.6 4.5 2.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8								
167.19								
167.19) 4/08/90 4.90 850 5.8 0.5 4.8 10/30/90 5.34 440 2.8 0.91 13 13 1/18/91 4.90 1100 8.4 3.1 ND 2/12/91 4.94 1100 6.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND ND 5/22/91 4.43 1000 5.3 3.6 4.4 6/19/91 6.43 700 2.1 1.4 3.8 7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.14 1900 18 61 9.1 12/04/91 5.14 1900 18 61 9.1 12/04/91 5.26 1100 26 47 4.3 1/29/92 6.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 ND ND ND ND ND S/22/92 5.13 ND ND ND ND ND ND S/22/92 5.13 ND ND 0.9 0.7 7/30/92 5.13 ND ND 0.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8	2 4	/11/88		NSC				
10/30/90 5.34 440 2.8 0.91 13 1/18/91 4.90 1100 8.4 3.1 ND 2/12/91 4.94 1100 5.9 ND 0.77 3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.3 3.6 4.4 6/19/91 5.43 700 2.1 1.4 3.8 7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/91 5.14 1900 18 61 9.1 12/04/91 5.26 1100 26 47 4.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND ND 5/21/92 5.02 500 7.5 6.8 3.9 6/25/92 5.13 ND ND ND 0.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.19 500 7.7 8.6 3.2 8/20/92 5.19 500 7.7 8.6 3.2 8/20/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8			4.90		5.8	0.5	4.8	
1/18/91 4.90 1100 8.4 3.1 ND 2/12/91 4.94 1100 5.9 ND G.77 3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.3 3.6 4.4 6/19/91 6.43 70 2.1 1.4 3.9 7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/91 5.14 1900 18 61 9.1 12/04/91 5.26 1100 26 47 4.3 1/29/92 6.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND ND 5/21/92 5.02 500 7.5 6.8 3.9 6/25/92 5.13 ND ND O.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8		and the second contract of the second	5.34	CONTROL CONTRO	2.8	0.91	13	
2/12/91     4.94     1100     5.9     ND     0.77       3/20/91     4.32     550     4.3     ND     ND       5/22/91     4.43     1000     5.3     3.6     4.4       6/19/91     6.43     700     2.1     1.4     3.8       7/17/91     4.75     880     12.0     8.0     4.3       8/07/91     4.87     NA     3.8     1.6     ND       9/24/91     5.50     670     7.2     7.1     ND       10/23/91     5.63     2700     52     60     22       11/06/91     5.14     1900     18     61     9.1       12/04/91     5.26     1100     26     47     4.3       1/29/92     5.11     900     14     24     5.3       2/26/92     4.31     500     3.4     3.5     2.7       3/19/92     4.45     1200     14     20     15       4/22/92     4.78     200     ND     ND     ND       5/21/92     5.13     ND     ND     0.9     0.7       7/30/92     5.19     500     7.7     8.6     3.2       8/20/92     5.27     1100     6.6     4.5 <t< td=""><td>9909490000000000000000</td><td>000000000000000000000000000000000000000</td><td>.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</td><td></td><td>8.4</td><td>entre de la companya de la companya</td><td>ND</td><td></td></t<>	9909490000000000000000	000000000000000000000000000000000000000	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		8.4	entre de la companya	ND	
3/20/91 4.32 550 4.3 ND ND 5/22/91 4.43 1000 5.3 3.6 4.4 6/19/91 6.43 700 2.1 1.4 3.8 7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/91 5.14 1900 18 61 9.1 12/04/91 5.26 1100 26 47 4.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND 5/21/92 5.02 500 7.5 6.8 3.9 6/25/92 5.13 ND ND 0.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.27 1100 6.6 4.5 2.7	***********					\$48,4556555555555555566456666666666666666		
5/22/91       4.43       1000       5.3       3.6       4.4         6/19/91       6.43       700       2.1       1.4       3.8         7/17/91       4.75       880       12.0       8.0       4.3         8/07/91       4.87       NA       3.8       1.8       ND         9/24/91       5.50       670       7.2       7.1       ND         10/23/91       5.63       2700       52       60       22         11/06/91       5.14       1900       18       61       9.1         12/04/91       5.26       1100       26       47       4.3         1/29/92       5.11       900       14       24       5.3         2/26/92       4.31       500       3.4       3.5       2.7         3/19/92       4.45       1200       14       20       15         4/22/92       4.78       200       ND       ND       ND         5/21/92       5.02       500       7.5       5.8       3.9         6/25/92       5.13       ND       ND       0.9       0.7         7/30/92       5.19       500       7.7       8.6	terretaries de la constitución d	are extracting and are determined	erece and the contract contract and the	Contraction of the Contraction o		ND	ND	
6/19/91       6.43       700       2.1       1.4       3.8         7/17/91       4.75       880       12.0       8.0       4.3         8/07/91       4.87       NA       3.8       1.6       ND         9/24/91       5.50       670       7.2       7.1       ND         10/23/91       5.63       2700       52       60       22         11/06/91       5.14       1900       18       61       9.1         12/04/91       5.26       1100       26       47       4.3         1/29/92       5.11       900       14       24       5.3         2/26/92       4.31       500       3.4       3.5       2.7         3/19/92       4.45       1200       14       20       15         4/22/92       4.78       200       ND       ND       ND         5/21/92       5.02       500       7.5       5.8       3.9         6/25/92       5.13       ND       ND       0.9       0.7         7/30/92       5.19       500       7.7       8.6       3.2         8/20/92       5.27       1100       6.6       4.5	Digeological Carter academic and hara	anana arang gaganan panananan aran	idean e la la refigia de la gagar de antica de la caractería de la composition de la composition de la composit	n ann an an airte ann ann an a	5.3	3.6	4.4	
7/17/91 4.75 880 12.0 8.0 4.3 8/07/91 4.87 NA 3.8 1.6 ND 9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/91 5.14 1900 18 61 9.1 12/04/91 5.26 1100 26 47 4.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/82 4.78 200 ND ND ND ND 5/21/92 5.02 500 7.5 5.8 3.9 6/25/92 5.13 ND ND 0.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8						1.4	3.8	
9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/91 5.14 1900 18 61 9.1 12/04/91 5.26 1100 26 47 4.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND ND ND S/21/92 5.02 500 7.5 5.8 3.9 6/25/92 5.13 ND ND 0.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8		************					4.3	21
9/24/91 5.50 670 7.2 7.1 ND 10/23/91 5.63 2700 52 60 22 11/06/91 5.14 1900 18 61 9.1 12/04/91 5.26 1100 26 47 4.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND ND 5/21/92 5.02 500 7.5 6.8 3.9 6/25/92 5.13 ND ND 0.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8	8	/07/91	4.87	NA	3.8	1.6	ND	
10/23/91     5.63     2700     52     60     22       11/06/91     5.14     1800     18     61     9.1       12/04/91     5.26     1100     26     47     4.3       1/29/92     5.11     900     14     24     5.3       2/26/92     4.31     500     3.4     3.5     2.7       3/19/92     4.45     1200     14     20     15       4/22/92     4.78     200     ND     ND     ND       5/21/92     5.02     500     7.5     5.8     3.9       6/25/92     5.13     ND     ND     0.9     0.7       7/30/92     5.19     500     7.7     8.6     3.2       8/20/92     5.27     1100     6.6     4.5     2.7       9/30/92     5.45     500     5.4     2.4     1.8					7.2	7.1	ND	
11/06/91 5.14 1800 18 61 9.1 12/04/91 5.26 1100 26 47 4.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND ND ND ND S/21/92 5.02 500 7.5 5.8 3.9 6/25/92 5.13 ND ND 0.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8	along one of the security.				*******************	000000000000000000000000000000000000000		1
12/04/91 5.26 1100 26 47 4.3 1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND ND 5/21/92 5.02 500 7.5 5.8 3.9 6/25/92 5.13 ND ND 0.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8	1	1/06/91	600000000000000000000000000000000000000		18	81	9.1	
1/29/92 5.11 900 14 24 5.3 2/26/92 4.31 500 3.4 3.5 2.7 3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND ND 5/21/92 5.02 500 7.5 5.8 3.9 6/25/92 5.13 ND ND 0.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8					AND CONTRACTOR AND			
2/26/92     4.31     500     3.4     3.5     2.7       3/19/92     4.45     1200     14     20     15       4/22/92     4.78     200     ND     ND     ND       5/21/92     5.02     500     7.5     5.8     3.9       6/25/92     5.13     ND     ND     0.9     0.7       7/30/92     5.19     500     7.7     8.6     3.2       8/20/92     5.27     1100     6.6     4.5     2.7       9/30/92     5.45     500     5.4     2.4     1.8								
3/19/92 4.45 1200 14 20 15 4/22/92 4.78 200 ND ND ND ND 5/21/92 5.02 500 7.5 5.8 3.9 6/25/92 5.13 ND ND 0.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8								
4/22/92 4.78 200 ND ND ND ND 5/21/92 5.02 500 7.5 5.8 3.9 6/25/92 5.13 ND ND 0.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8					*****************			
5/21/92     5.02     500     7.5     5.8     3.9       6/25/92     5.13     ND     ND     0.9     0.7       7/30/92     5.19     500     7.7     8.6     3.2       8/20/92     5.27     1100     6.6     4.5     2.7       9/30/92     5.45     500     5.4     2.4     1.8			~					
6/25/92 5.13 ND ND 0.9 0.7 7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8		60.66.6 AGO 300 AGO 400	nare, realization expression and a construction of the constructio					7
7/30/92 5.19 500 7.7 8.6 3.2 8/20/92 5.27 1100 6.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8		***************						
8/20/92 5.27 1100 5.6 4.5 2.7 9/30/92 5.45 500 5.4 2.4 1.8		contractor contractor contractor						
9/30/92 5.45 500 5.4 2.4 1.8						666000000000000000000000000000000000000	\$35,495,935,935,000,000,000,000,000,000,000,000	
					www.comen.comen.comen.com			7
12/23/92 4.60 800 1.9 ND ND			4.60	800	1.9	ND	ND	

NA - Not Analyzed.

TPH - Total Petroleum Hydrocarbons as gasoline.

D-Wat - Depth to Water.

NSC - No sample collected due to film or sheen of liquid phase hydrocarbons.

			, , (CONT.) * 3	ummary of Analyti			
I.D	Date	D-Wat	TPH	Benzene	Toluene	Ethyl- Benzene	Xylenes
RE-3	4/11/88		70000	6600	5300	800	13000
(167.39)	4/09/90	7.15	370000	2300	4900	3200	31000
,	10/30/90	7.84	13000	860	660	220	2210
	1/18/91	6.90	42000	4700	4500	21	7700
	2/12/91	6.62	72000	3600	4500	ND	760
	3/20/91	5.87	65000	2400	9400	50	980
	5/22/91	5.98(Film)	NSC				
	6/19/91	6.84(Film)	NSC				
	7/17/91	7.10(Film)	NSC				
	8/07/91	7.30(Film)	NSC				
	9/24/91	7.84(Film)	NSC				
	10/23/91	8.07(Film)	NSC				
	11/06/91	7.63(Film)	NSC				
	12/04/91	7.83(Film)	NSC				
	1/29/92	7.17(Film)	NSC				
	2/26/92	5.56(Film)	NSC				
	3/19/92	5.44(Film)	NSC				
	4/22/92	6.56(Film)	NSC				
	5/21/92	6.90(Film)	NSC				
	6/25/92	7.18(Film)	NSC				
	7/30/92	6.80(Film)	NSC				
	8/20/92	7.25(Film)	NSC				
	9/30/92	7.68(Film)	NSC				
600000000000000000000000000000000000000	12/23/92	6.07(Film)	NSC	*****			100000000000000000000000000000000000000
RE-4	4/11/88	-	150000	12000	8000	1000	2700
166.94)	4/09/90	<u> </u>	NSC				
	10/30/90	7.04	87000	7200	10000	1600	1290
	1/18/91	11.62	70000	5000	5400	790	990
	2/12/91	11.63	87000	5200	2800	240	1100
	3/20/91	11.61	6500	370	230	17	67
	5/22/91	10.3(Film)	NSC				
	6/19/91	11.1(Film)	NSC				
	7/17/91	6,20(Film)	NSC				
	8/07/91	8.15(Film)	NSC				
	9/24/91	10.4(Film)	NSC				
	10/23/91	11.2(Film)	NSC				
	11/06/91	6,62(Film)	NSC				
	12/04/91	11.2(Film)	NSC				
	1/29/92	7.72(Film)	NSC				
2000 000 000 000 000 000 V	2/26/92	5.13(Film) 5.00(Film)	NSC NSC				
	3/19/92	5,00(Film) 5,94(Film)	NSC				
	4199100		Nac				
	4/22/92 E/21/92		<b>566666666</b> 6666666666666666666666	୦୦୯ ୦୦୦୦ ଓ ପ୍ରତ୍ତପ୍ରତ୍ରପ୍ରତ୍ୟବର୍ତ୍ତ ପ୍ରତ୍ୟୁକ୍ତ କାଳକ ନ			
	5/21/92	5.40(Film)	NSC				
	5/21/92 6/25/92	5.40(Film) 5.71(0.02)	NSC NSC				
	5/21/92 6/25/92 7/30/92	5.40(Film) 5.71(0.02) 6.33(Film)	NSC NSC NSC				
	5/21/92 6/25/92	5.40(Film) 5.71(0.02)	NSC NSC				

NA TPH Not Analyzed.

Total Petroleum Hydrocarbons as gasoline.

D-Wat -Depth to Water,

NSC No sample collected due to film or sheen of liquid phase hydrocarbons.

		Table	1 (CONT.) - S	ummary of Analyti	ical Results		
I.D	Date	D-Wat	ТРН	Benzene	Toluene	Ethyl- Benzene	Xylenes
RE-5	4/11/88		14000	1300	1100	100	2600
(166.51)	4/09/90	4.79	3000	690	190	40	270
((33,31,7	10/30/90	5.86	3400	910	48	87	249
	1/18/91	4.40	1400	180	8.6	0.52	48
	2/12/91	4.76	1000	ND	ND	0.65	ND
	3/20/91	5.08	3000	250	53	ND	110
	5/22/91	4.52	2500	330	7.8	5.6	200
	6/19/91	4.39	2000	59	1.6	5.1	110
	7/17/91	5.05(Film)	NSC				
	8/07/91	5.02(Film)	NSC				
	9/24/91	5.86(Film)	NSC				
	10/23/91	5.84(Film)	NSC				
	11/06/91	5.48	9900	2300	37	260	160
	12/04/91	5.43	4500	1000	27	ND	180
	1/29/92	5.12	600	6.1	2.3	ND	47
	2/26/92	4.93	500	5.4	2.7	1.2	14
	3/19/92	4.45	ND	1.7	1.1	ND	5.5
	4/22/92	4.63	1600	240	2.2	ND	160
	5/21/92	4.90	1200	410	37	ND	118
	6/25/92	5.15	ND	1.0	0.8	0.8	0.4
	7/30/92	5.30	ND	2.0	1.8	1.9	6.4
	8/20/92	5.44	300	1.7	3.3	0.7	12
	9/30/92	5.73	1900	140	ND	19	35
	12/23/92	4.75	400	0.8	ND	ND	ND
RE-6	4/11/88	<del>7</del> 7	5000	3000	40	80	140
(166,51)	4/09/90	5.64	3000	990	ND	70	ND
	10/30/90	6.68	3400	1000	28	ND	ND
	1/18/91	6.61	6300	1200	ND	3	15
	2/12/91	6.20	5200	850	8.4	4,9	41
	3/20/91	5.62	5800	680	12	8	16
	5/22/91	6.05	8500	1700	14	24	6.7
	6/19/91	6.12(Film)	NSC				
	7/17/91	6,20	120000	9300	13000	2400	16000
	8/07/91	6.27	NA	590	5.3	ND	14
	9/24/91	6.63	7000	310	-11	5.3	35
	10/23/91	6.36(Film)	NSC				
	11/06/91	6.15	4000	710	18	29	49
	12/04/91	6,19	4100	1100	14	33	39
	1/29/92	6.70	2600	790	14	ND.	49
	2/26/92	5.44	3100	950	21	30	33
	3/19/92	5.30	2200	630	14	12	40
	4/22/92	5.00	NA	730	2.2	ND	40
	5/21/92	6.25	1500	840	7.8	7.1	34
	6/25/92	6.38	< 2000	740	8	27	28
	7/30/92	6.42(Film)	NSC				
	8/20/92	6.50	2800	630	17	23	22
	9/30/92	5.66	7800	540	ND	12	29
	12/23/92	5.83	1800	350	ND	7.7	11

NA - Not Analyzed.

TPH - Total Petroleum Hydrocarbons as gasoline.

D-Wat - Depth to Water.

NSC - No sample collected due to film or sheen of liquid phase hydrocarbons.

I.D.	Date	E-Wat	ТРН	Benzene	Toluene	Ethyl-	Xylenes
						Benzene	.,,
RE-7	4/11/88		< 50000	17000	4400	600	840
RE-7 4/11/88 (166.04) 4/05/90 5.93 10/30/90 8.21 1/18/91 11.8(Film) 2/12/91 10.8(Film) 3/20/91 9.96 5/22/91 11.7(Film) 6/19/91 11.5(Film) 7/17/91 7.80(Film) 8/07/91 9.85(0.03) 9/24/91 9.85(0.03) 10/23/91 9.96(Film) 11/06/91 6.77(Film) 12/04/91 10.8(Film) 1/29/92 8.64(Film) 2/26/92 6.00(Film) 3/19/92 5.55(Film) 4/22/92 6.12(Film) 5/21/92 6.40(Film) 6/25/92 6.73(0.02) 7/30/92 6.73(Film) 8/20/92 6.82(Film) 8/20/92 6.82(Film) 9/30/92 7.26(Film) 12/23/92 6.22(Film) RS-8 8/07/91 9.68 (164.32) 9/27/91 9.89 10/23/91 10.00 11/29/92 9.28 2/25/92 7.05 3/19/92 7.30 4/22/92 8.60 5/21/92 9.28 2/25/92 9.49 7/30/92 9.55 8/20/92 9.63 9/30/92 9.55 8/20/92 9.63 9/30/92 9.96 RS-9 8/07/91 2.28 RS-9 8/07/91 2.28</td <td>16000</td> <td>7000</td> <td>1200</td> <td>640</td> <td>160</td>	16000	7000	1200	640	160		
	10/30/90	8.21	31000	14000	ND	ND	N
	1/18/91	11.8(Film)	NSC				
	2/12/91	10.8(Film)	NSC				
			120000	12000	2800	490	660
			NSC				
			NSC				
			NSC				
			NSC				
			NSC				
			NSC NSC				
			NSC				
			NSC				
			NSC				
			NSC				
			NSC				
			NSC				
			NSC				
			NSC				
	8/20/92	6.82(Film)	NSC				
	9/30/92	7.26(Film)	NSC				
	12/23/92	6.22(Film)	NSC				
RS-8	8/07/91	9.68	ND	ND	ND	ND	
RS-8 64,32)		9.89	ND	ND ND	ND ND	ND	,
			ND	ND	ND	ND	
		Contraction of the contraction o	ND	ND	ND	ND	
			ND	ND	ND	ND	
			ND	2.1	1.0	2.5	3
			ND	ND	0.7	ND	C
			ND ND	0.5	1.0	1.5	2
		0.000.000.000.000.000.000.000.000.000.000.0000	ND	ND ND	ND	ND ND	
			ND ND	ND ND	ND NO	ND ND	
			ND ND	ND 1.1	ND	ND ND	and the second of the second o
	MET BET SEED BETT BETT BETT BETT BETT BETT BETT B		ND ND	1.1 2.0	4.2 4.7	DN	3
			ON	ND	ND	ND	
	000000000000000000000000000000000000000	ĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸ	ND	ND ND	ND	ND	j
RS-9	8/07/91	2.28	NA	0.5	ND	330	12
			13000	3.5	3.0	82	14
			11000	ND	ND	39	3.
	11/06/91	2.51	6800	8.4	0.6	22	2:
	12/04/91	3.20	6500	6.5	0.7	87	20
	1/29/92	2.65	8100	22	10	140	2
	2/26/92	3.42	13000	40	16	220	60
	3/19/92	3.12	12000	21	12	100	2
	4/22/92	3.24	8600	ND	ND	20	;
	5/21/92	3.75	6000	21	10	53	2
	6/25/92	2.65	370	2.3	1.5	0.7	4
	7/30/92	2.70	3600	20	ND	39	;
	8/20/92	2.83	3000	0.7	5.2	2.0	5
	9/30/92	2.80	9200	4.8	6.5	12	:
	12/23/92	2.45	2000	17	ND	8.2	

NA - Not Analyzed.

TPH - Total Petroleum Hydrocarbons as gasoline.

D-Wat - Depth to Water.

NSC - No sample collected due to film or sheen of liquid phase hydrocarbons.

J.D	Date	D-Wat	TPH	Benzene	Toluene	Ethyl-Benzene	Xylenes
RS10	8/07/91	6.16	ND	ND	ND	ND	N
(162.89)	9/27/01	6.48	ND	ND	ND	ND	N
	10/23/91	7.37	ND	ND	ND	ND	NI
	11/06/91	6.44	ND	ND	ND	ND	N
	12/04/91	7.02	ND	ND	ND	ND	N
	1/29/92	6.78	ND	ND	ND	ND	N
	2/26/92	8.33	ND	ND	ND	ND	N
	3/19/92	8.02	ND	ND	ND	ND	٥.
	4/22/92	7.78	ND	ND	ND	ND	N
	5/21/92	6.21	ND	ND	0.6	ND	1.
	6/25/92	7 <i>.</i> 73	ND	ND	ND	ND	N
	7/30/92	7.84	ND	ND	0.5	ND	1.
	8/20/92	7.50	ND	ND	ND	ND	N
	9/30/92	7.63	ND	ND	ND	ND	N
	12/23/92	7.24	ND	ND	ND	ND	N

D-Wat NSC

Depth to Water.

No sample collected due to film or sheen of liquid phase hydrocarbons.



PROJECT STATUS REPORT
THRIFTY OIL CO. S.S. #054
2504 CASTRO VALLEY BLVD.
CASTRO VALLEY, CA 94546
DATE: 12/23/1992

F	мо	NIT	ORIN	G	o	DORS		FRE	E	WE	LLS	CONNE	CTED	TO	SYST	EM	(W)
R E	OB	SERVAT	ION WELL	S	(S=	SLIG	HT)	PROD	UCT	CONN	ECT	INTEG		L	POR	<u> </u>	ATER
Q	NO.	DTW	DTP	PT	YES	NO	s	YES	ИО	YES	ИО	OK	NO	ON	OFF	ON	OFF
М	PW-1	5,56	SHEET	<b>/</b>			Y		ጆ	Х	-						
М	PW-2	6.08	Sher	<b>Y</b>			p		×	х	-			_	<u> </u>		1
М	RE-1	481	SHEN	V			y		<u> </u>	х	-			<u> </u>			1
М	RE-2	4.6	0			×			1	×	-			_	-		1
М	RE-3		1 Stock				V		×	Х	-			<u> </u>	-	<b>.</b>	1
M	RE-4	5.5	0 Filu	۸	×			A		X	-			_	<del> </del>	-	
М	RE-5	4.7.				N	<u> </u>		X	X	_			-	<b>├</b> —		1
М	RE-6	5.8				×			У	Х	-		<u> </u>	↓_	<u> </u>	↓	
М	RE-7		2 File	ч	×	<u></u>		×		X	<del>  -</del> -		ļ	-	ļ	-	-
М		9.9%				K			X	<b>  </b>	X	<u> </u>		+	-	ļ	
М		2.45			<u> </u>	X		<u> </u>	y	<b>↓</b> -	X			_	-	-	-
М	RS-10	7.2	<del>'</del> †		<u> </u>	X	<u> </u>		×	<u> </u>	Х		<u> </u>	<u> </u>	<u> </u>	<u> </u>	
	S A	V E	SYST	E M		1		E K			<del></del>	T :		<del>, -</del>			
PAI	PARAMETER U/M D						<u> </u>	RAME		<u> </u>	<del></del> .	<del> </del>	/м	+-	U	ATA	
TI	ΚE		AM/PM				₩	R FL				<del>                                     </del>	F M	+			
WO	RKING		YES/NO	N.	0		₩	POR		· 			F M	┼		<u></u>	
RE	STARTED		YES/NO		-		#	EL F				<del></del> -	M/H	4-		<u></u>	
НО	URS		#				₩	LL V				<del> </del>	H20	-			
EN	GINE RO	T.	RPM				╙—	PG		NKS		1	<del>8</del>	#1	.:	11 / 3	
EN	GINE VA	CUUM	IN HG				₩			READ	-		<u>-</u>	-		N/A	
TA	NK VACU	אט	IN HG				WF	TER	FLO	METE	R	GA	LL.	_		1	
EX	HAUST				_									_			
(By	others	)								·				_		-	
IN	LET TO	ENGINE							<u>-</u> -			<del></del>				1005	
MA	INTENAN	CE E	s/100/40	0/800			FOI	SPE	CIF			IONS		TEI	ים מי	COR	<u> </u>
		W	ATER	SAM	P L	IN	G ·	- CI	IECK			WHEN	DONE		SIDT 1		
EFFLUENT INFLUENT WELLS  ( ) QSEE C.CUST.																	
(_	()()()()()																
<u> </u>	REMARKS: APPROX CALLONS WATER REMOVED: APPROX. // SGALLONS																
FF	FREE PRODUCT REMOVED: APPROXGALLONG																
D7	DATA RECORDED BY: INPUT BY: M.M. >\FF\054rsirt																

personnel $\mathcal{E}$ .  well no. $\mathcal{R}$ $\mathcal{E}$ .  sample equipment	92 GASMAN	ATION NO.	05.	4						
WELL NO. RE	2 WE	ATHER PA	RTLY	Clouky						
SAMPLE EQUIPMENT	TEFLON	1 BAH	LER							
Before Sampling										
Total Well Depth 17.10 Pt 24										
Total Well Depth 17.10 Pt. Well Diameter 4"  Depth to Water 4.60 Pt. Purge Volume 32 gollowy										
	FC.	Purge V	olume	= \( \frac{7}{6} \)						
Sampling Data	,									
Time 11:20 11:30	11:40 1	1:50 12	:00 12	liat						
EC 860 870	900	7.50 9	<u> </u>	<del></del>						
pH 7.80 7.80	7.70	7.60	7.60 7	160						
Temp 65 66	6.2	67	$\frac{1}{67}$	<del>67</del>						
Gal. 10 15	20	25 2	$ \frac{1}{2} $	32,						
	<del></del>									
Time										
EC			·							
рн		·								
Temp	<del></del>									
				·						
After Sampling		\$								
Depth to Water	Pt.	Total Well	Depth	17.10 Pt						

DATE	12/	23/9	2_	STATION	NO	14				
PERS	onnel _	£.0	JAS MA	te, T.	Roh	y CLUI				
WELL	NO	RE.J		WEATHER	PARTL	Y Chai	, N C			
SAMP	LE EQUIE	MENT	TET	LON	BAILE	0				
Befo	Before Sampling									
Total Well Depth 18.25 Ft. Well Diameter 4"  Depth to Water 5.83 Ft. Purge Volume 32 gellows										
Depti	h to Wat	er J.	83	Pt. Dune	r Diamafal	32 call	, ou			
				et Puli	e volume					
Samp:	ling Dat	a	•							
Time	12:25	12:35	12:45	12:55	1:05	1:15				
EC	1050	1020	1100	1120	//2 -	//>				
рĦ	750	7.45	7.41	7.20	7.200	72-2	<del></del>			
Temp	60	63	627	65	65	7.20				
Gal.	10	15	20	25	30	33				
					<del></del>	3 =				
Time		<del></del>								
EC										
рĦ										
Temp		<del></del>								
Gal.			<del></del>		•	<u></u>				
					<u></u>					
	Sampli:	$\overline{}$		4		10 ~	<u>,                                    </u>			
Depth	to Wate	or 6,2	Pt	. Total	Well Depti	h _18,2	d Ft.			

DATE		23/199 E	72_ . CA1.	MAN.	10. O. T. RO PARTL BALL	54	
WELL	NO	200	<del></del>	WEATHER _	PARIL	y CL	ou by
SAMP	LE EQUIP	Ment	TEFL.	OH	BAILE	52	/
					Diameter		
Samp]	ing Dat	ā	`				
Time	1:25	1:30	1:25	1:45	1:55		
EC	1370	1400	1430	1430	1430		
pН	£6.80	6.60	644	6.4.4	6.44		
Temp	64	66.5	67.9	68	68		<del></del>
Gal.	5	Ž.	10	15	1.55 1430 6.44 68 20		
Time	<del></del>						
EC	<del></del>				· · · · · · · · · · · · · · · · · · ·		
рĦ	<del></del>						
Temp	<del></del>						
Gal.	<del></del>					<del></del>	·
	Sampling to Water	- / <i>(</i>	18 Ft.	Total 1	Well Depth	13.6	5 F+

DATE	12/23	11992		STATION 1	NO C	54	
PERS	onnel _	E . C	ASMAN	, T. R	010		
WELL	NO.	8-29		WEATHER	PARTLY	54 1 CLOU	184
SAMP	LE EQUII	PMENT	TEFL	ON 1	SAILER		<del>/</del>
Before Total	re Sampl 1 Well r h to Wat	ling Depth 2.	5.20 F	t. Well	Diameter Je Volume	2" 10 gollo	-س
Samp]	ling Dat	a	. •			<i>V</i>	<del></del>
Time	9:50	3:11	10:00	10:05	10:10		
EC	1710	1470	1440	1440	1440	<u> </u>	
рн	6.71	6.65	6.42	6.42	6.42		
Temp	62.4	65	66	66	<u>66</u>		
Gal.	2	4	6	8	10		
Time							
EC	<del></del>						
Нq		·					
Temp			<del></del>				
				<del></del>			
After	Sampli	na			Well Depth	25.20	- · ·

DATE	1.2/2	3/92		STATION N	10	54			
PERS	onnel _	/ E.	SASMA	N, 7. F	2010	<del>/</del>			
WELL	No	RS9		WEATHER	ROSU PARTL	Y CLO	20U		
SAMP	LE EQUI	PMENT	TEFL	<u>.0</u> \/	BAILE	P			
							<del></del>		
	re Bampl								
Total Well Depth 15 Ft. Well Diameter 2" Depth to Water 2.45 Ft. Purge Volume 2 School									
Depti	h to Wat	er _2	45	t. Pura	e Volume	8 sell	~~~		
			<del></del>	<b>-</b>	- · · · · · · · · · · · · · · · · · · ·	0			
Samp]	ling Dat	: <u>a</u>							
Time	10:30	10:35	10:40	10:45	10:50				
EC	1000	1010	1630	1030	1030 6.03 62		-		
pН	6.15	610	6.03	6.03	6.03				
Temp	60	61.5	62	62	62				
Gal.		2	4	6	8				
Time									
EC		<del></del>							
рн	<del></del>		<del></del>						
Temp		<del></del>				<u></u>			
Gal.	<del></del>								
	Sampli:			_		<del></del>			
	to Wate	_ O i	0	*		,			
pehru	LO MET	ar	Ft.	Total W	Well Depth	14	19 L		

DATE	12/2	23/1992	&	TATION NO	o. <u>01</u>	<del>-</del> 4	
PERSO	nnel	E. GASA	1AN, 7	Rosu			
WELL	NO	25-10	W	EATHER _	PARTI	- y .	184
SAMPL	E EQUIP	NENT	TETLO	N BA	HLER		
Befor	e Sampl	ing	•			•	
Total	Well D	epth 2	1.45	. Well	Diameter	2"	
Depth	to Wat	•r	24 Pt	. Purg	• Volume _	2." 11 gell	lows
						a	
	ing Dat						
Time	9:10	9:15	9:20	9:25	9:30	9.35	
EC	2020	Slow	5220	1300.	5300	1300	
PÁ	7.37	335	7.30	7.23	7.23	7.23	<del></del>
Temp	66	66.2	66.5	66.7	66.7	<del>1300</del> 7.23 66.8	<del></del>
Gal.		4	<u></u>		10	11	
mi-a							
BC	<del></del>				•		
PH PC					<del></del>		
-				<del></del>	<del></del>	-	
oal.		<del>•••••••••••••••••••••••••••••••••••••</del>	`				
After	Sampl:	lng		•			
Depti	to Wat	ter 4.1	O Pt	. Total	Well Dept	24.4	<u>.</u> Pt.



#### LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company

Project No.: N/A

Project Name: TOC #054 Sample Matrix: Water

Method: EPA 8020 (BTEX)/8015M (Gasoline)

AA Project No.: A135054-7 Date Sampled: 12/23/92

Date Received: 12/28/92 Date Reported: 1/15/93

Date Analyzed; AA I.D. #: Client I.D. #:	12/29/92 12887 RE 2	12/30/92 12888 RE 5	12/30/92 12889 RE 6	12/29/92 12890 RE 8	Reporting Detection Limits	Units
Compound						
Benzene	1.9	8.0	350	<0.5	5	μg/L
Toluene	<0.5	<0.5	<2.5	<0.5	5	μg/L
Ethylbenzene	<0.5	<0.5	7.7	<0.5	5 -	μg/L
Xylenes	2.3	1.7	11	<1	1	μg/L
Gasoline Range Organics	0.8	0.4	1.8	<0.2	0.2	mg/L

George Havalias Laboratory Director

<sup>&</sup>lt;: Not detected at or above the value of the concentration indicated.



#### LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company

Project No.: N/A

Project Name: TOC #054 Sample Matrix: Water

Method: EPA 8020 (BTEX)/8015M (Gasoline)

AA Project No.: A135054-7 Date Sampled: 12/23/92

Date Received: 12/28/92 Date Reported: 1/15/93

Date Analyzed: AA I.D. #: Client I.D. #:	12/30/92 12891 RS 9	12/29/92 12892 RS 10	12/29/92 12893 Trip Blank	Reporting Detection Limits	Units
Compound					
Benzene	17	<0.5	<0.5	5	μg/L
Toluene	<0.5	<0.5	<0.5	5	μg/L
Ethylbenzene	8.2	<0.5	<0.5	5	μg/L
Xylenes	18	<1	<1	1	μg/L
Gasoline Range Organics	2	<0.2	<0.2	0.2	mg/L

George Havalias Laboratory Director

<sup>&</sup>lt;: Not detected at or above the value of the concentration indicated.



#### LABORATORY QA/QC REPORT

Client: Thrifty Oil Company

Method: EPA 8020 (BTEX)/8015M (Gasoline), QC, Spike

A.A. Project No.: A135054-7

Sample Matrix: Water Date Analyzed: 12/29/92 Date Reported: 1/15/93

Compound	Spike Recovery (%)	Spike/Duplicate Recovery (%)	RPD (%)
Benzene	76	62	20
Toluene	87	72	19
Ethylbenzene	92	. 86	6.7
Total Xylenes	97	91	6.4
Gasoline Range Organics	95	94	1.0

**RPD:** Relative Percent Difference

George Havalias Laboratory Director



#### LABORATORY QA/QC REPORT

Client: Thrifty Oil Company

Method: EPA 8020 (BTEX)/8015M (Gasoline), QC, Spike

A.A. Project No.: A135054-7

Sample Matrix: Water Date Analyzed: 12/30/92 Date Reported: 1/15/93

Compound	Spike Recovery (%)	Spike/Duplicate Recovery (%)	RPD (%)
Benzene	81	80	1.2
Toluene	89	89	o
Ethylbenzene	91	90	1.1
Total Xylenes	96	95	1.0
Gasoline Range Organics	90	99	9.5

**RPD:** Relative Percent Difference

George Havalias Laboratory Director

# AMERICAN SALVITICS

## AMERICAN ANALYTICS CHAIN-OF-CUSTODY RECORD

9765 ETON AVE., CHATSWORTH, CA 91311

DATE:	

ANALYTICS		(818) <b>998</b> -	5547	(818) 998-5	5548 1	-800-	533	-TES	T	1-8	300-5	33-	8378	3	F	FAX (818) 9	98-7258	PAGE	(	OF
AA Client	THRI	FTY	OIL	_ Co	<del></del>	Phone	8					S	ampi ame	er's	2	E UG-E1	1///	GASMAN		
Project Manag	Ser MI	HHE	<u> </u>	USB	/	P.O.	No.					04	ampli ignat	<b>87</b> 3		Que	0	Joseph	<u>`                                    </u>	
Project Name	TOC			54		Ртоје	ct I	Vo.				P		t M	lana	ager's <	7		<i>,</i> 2	
Job Name-	TOC	#		· .		Detec	-10		ANA	LY	sis /				ED		<i>-</i>		<u> </u>	
and Address		<del></del>				Limits			/ <del>///</del>	_	Д,	Д,	Д,	$\angle$	$\angle$		_			
						Test		[[]	7/						,	/ /	Т	est Requirements		
A.A. LD.#	Client's LD.	Date	Time	Sample Type	Number of Containers	Name		FEX	//	/	//	//	//	/						
12887	RE 2	12/23/92	3:20P	GRAB	2		र्न	ЯÍ	1	亻	$\top$	$ \uparrow $	亻	1	7	<u> </u>				
12888	RE 5	12/28/92			2			$\overline{\lambda}$					1							
12889	RE So	12/23/92	4.357	GRASS	2	<del></del>		א		1		1								
12890	RE S RS 8	12.25.92	2 109	GRA-R	2		×	×		$\top$		1		_	1					
12891	RS 9	H.25.92	2:450	GAAP	2,		×	×		1	$\top$		$\top$			,				
12892	RS 10	1223.92	J:30P	GRAB	2		×	×			1			1	_					·
12893	TRIA BLAN				2	1	×	×		1		1		1	$\exists$					
						Ľ	floor								Î					·
					ļ															
				·			_													
					<u> </u>		4						丄	_						
							_	$\perp$		╀	_  _		4.	┸	_					
	· · · · · · · · · · · · · · · · · · ·						4							_	_					
					 		4	_	_	ļ			$\bot$	$\bot$	_			·		
								ᆣ	Ш.,	_ــــ	$\prec$ L		_[_	Ц	_					
Samples Intac	NTEGRITY-TO	BE FILL	Yee	No	LAB	Rest	A.	o by:	•	(	La	シ~		$\dashv$	Dat	te Time	Receh	ved by:		
Samples Prop	erly Cooled		Yes	No		Relinqu	isho	q py.				•	,	7	Dat	e Time	Receiv	red by:		
Samples Acce	pted		Yes.	No																
# Not Why: _						Relinqu	eriak	d by:							Dat	te Time	Recel	ved by:		
AA Project	No.	A135	os Y-	- フ		Reinq	dehe	d by:						T	Dat	e Time	Recel	red by:	- · · · · ·	

## THRIFTY OIL CO.

March 3, 1993

Mr. Scott O. Seary
Alameda County
Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Room 200
Oakland, California 94621

RE: Thrifty Oil Co. Station #054
2504 Castro Valley Boulevard
Castro Valley, California
4th. QUARTER REPORT, 1992

Dear Mr. Seary,

This letter report presents the results of soil/groundwater treatment and site monitoring during the 1st. quarter of 1993 at the subject site. A vicinity map is presented as Figure 1. The approximate location of the on- and off-site monitoring wells are shown on Figure 2. During the reporting period, the engine of the RSI unit was replaced and was operational the first week in May, 1993. All monitoring is conducted by Earth Management Co. (EMC).

## Site Monitoring and Sample Collection

The site was visited on March 10, 1993, by an EMC technician in order to gauge the wells and collect groundwater samples. Water levels were measured in each well from the rim of well cover using a Marine Moisture Tape (nearest 0.01 feet) capable of also measuring the presence of free floating hydrocarbons. Depth to water ranged from about 2.40 to 8.95 feet below grade which is consistent with previous data collected, only a slight rise noted. As of March 10, 1993, six of the twelve wells exhibited noticeable floating product that was measurable only as a sheen or film. The depth to water data was used in conjunction with the recent survey data to determine groundwater elevations across the site. The interpretation of groundwater flow across the site is depicted on Figure 2. In general, the groundwater flow was to the east at a gradient of about 4 feet per 100 feet. No pumping depressions were noted as the unit was not yet operational.

Prior to collecting groundwater samples from the wells that did not exhibit free floating hydrocarbons, about 4 well volumes of groundwater was removed using a PVC bailer. During the purging process, the pH, conductivity and temperature were checked and recorded to insure formation water was entering the well to be sampled. About 8 to 37 gallons of water were



removed from each well and stored in 55 gallon D.O.T approved drums pending disposal or discharge through the treatment unit. Groundwater samples were collected with a Teflon bailer. Samples were maintained and transported in 40 milliliter vials placed on ice pending delivery to American Analytics, a state certified analytical laboratory headquartered in Chatsworth, California. Field monitoring sheets prepared by EMC personnel are included in Appendix A.

#### **Analytical Results**

Groundwater samples were analyzed for total hydrocarbons (TPH) and volatile aromatic compounds (BETX) using EPA methods 8015 and 8020, respectively. Copies of the laboratory analysis reports are attached in Appendix B. A summary of the results are presented in Table 1. The two down-gradient wells, RS-8 and RS-10 indicate no detectable hydrocarbons. Iso-concentration maps of TPH and benzene based on the March sampling event are presented as Figures 3 and 4.

#### **Treatment Unit Operation Status**

Based on the data obtained by EMC, the RSI-SAVE unit has operated a total of \$209 hours. The unit did not operate this quarter. A total of about 2672 gallons of water has been processed by the unit and discharged to the local sanitary sewer to date. However, no discharge of water occurred this period.

Over the last year of operation it is apparent that the RSI-SAVE unit has had some operational problems. In January, 1993, EMC conducted a detailed inspection of the equipment and determined that the internal combustion engine needed to be replaced for adequate system operation. This work is now complete and the treatment unit is operational.

As stated in the previous status report, weekly site visits will be made to provide system adjustments. After twelve months of continuous operation, the progress of treatment will be evaluated by estimating hydrocarbon removal rates, monitoring well water quality data and vapor groundwater capture. If progress is being made on plume containment and clean-up, the unit will be operated as installed for another twelve month evaluation period. If the evaluation of the data suggests that modifications are needed to enhance the clean-up efforts at the site, proposals for pilot studies involving air sparging or enhancing the indigenous microbial population will be prepared and included in the quarterly status reports.

### Closing

Thrifty will continue to conduct quarterly groundwater monitoring at the site. In addition, the RSI-SAVE system will be restarted and appropriate monitoring will be accomplished. If you have any questions please contact me at (310) 923-9876.

Very truly yours,

Peter D'Amico

Manager

**Environmental Affairs** 

		•	Table 1 - Summ	ary of Analytical I	lesulte				
I.D	Date	D-Wat	TPH	Benzene	Toluene	E-Benzene	Xylenes		
PW-1	4/11/88	_	NSC						
66.46)	4/09/90	5.10	230000	600	2700	1000	1600		
	10/30/90	6.17	35000	240	970	240	358		
	1/18/91	6.28	37000	43	140	42	160		
	2/12/91	5.88	45000	99	130	25	70		
	3/20/91	4.75	1900	0.43	ND	ND	2.		
	5/22/91	5.10	41000	600	730	250	380		
	6/19/91	5.61	NSC						
	7/17/91	5.53(Film)	NSC						
	8/07/91	5.67(Film)	NSC						
	9/24/91	5.57(Film)	NSC						
	10/23/91	6.53(Film)	NSC						
	11/06/91	5.85(Film)	NSC						
	12/04/91	5.91 (Film)	NSC						
	1/29/92	5.43(Film)	NSC						
	2/26/92	5.54(Film)	NSC						
	3/19/92	5.47	ND	ND	ND	ND	N		
	4/22/92	5.62(Film)	NSC						
	5/21/92	6.21	1300	19	2.9	0.7	5		
	6/25/92	6.94	NSC						
	7/30/92	5.90(Film)	NSC						
	8/20/92	7.12(Film)	NSC						
	9/30/92	6.42	3400	57	ND	26	24		
	12/23/92	5.56(Film)	NSC						
	3/10/93	5.65(Film)	NSC						
PW-2	4/11/88		NSC						
66.18)	4/09/90	5.81	600000	1300	11000	4600	4300		
	10/30/90	6.95	48000	310	51	10	48		
	1/18/91	6.92	86000	230	1400	350	830		
	2/12/91	6.78	160000	680	1300	250	700		
	3/20/91	5,54	17000	34	50	ND	110		
	5/22/91	6.07	14000	57	2100	500	820		
	6/19/91	6.37(Film)	NSC						
	7/17/91	6.38(Film)	NSC						
	8/07/91	8.63(Film)	NSC						
	9/24/91	5.42(Film)	NSC						
	10/23/91	7.25(Film)	NSC						
	11/06/91	6.44(Film)	NSC						
	12/04/91	6.65(Film)	NSC						
	1/29/92	6.17(Film)	NSC						
	2/26/92	5.90(Film)	NSC						
	3/19/92	5.80(Film)	NSC						
	4/22/92	5.88(Film)	NSC						
	5/21/92	6.03(Film)	NSC						
	6/25/92	6.57(Film)	NSC						
	7/30/92	6.20(Film)	NSC						
	8/20/92	6.64(Film)	NSC						
	9/30/92	6.88(Film)	NSC						
	in the second contract of the second contract		NSC						
	12/23/92	6.08(Film)							

NA TPH D-Wat NSC Not Analyzed.

Total Petroleum Hydrocarbons as gasoline.

Depth to Water.

No sample collected due to film or sheen of liquid phase hydrocarbons.

	·	Tabl	e 1(CONT.) - Sum	mary of Analytic	al Results		
I.D	Date	D-Wat	TPH	Benzene	Toluene I	Benzene	Xylenes
RE-1	4/11/88		37000	1900	8400	1200	15000
(166.82)	4/09/90	4.99	45000	6100	7000	2000	8800
	10/30/90	5.95	72000	7700	5300	1800	8900
	1/18/91	5.17	150000	11000	14000	1800	430
	2/12/91	4.16	140000	11000	12000	1 <del>6</del> 00	1300
	3/20/91	4.75	53000	3100	4200	400	550
	5/22/91	4.42	85000	8700	10000	1800	1200
	6/19/91	4.93	110000	8500	9600	2600	1600
	7/17/91	5.19	5500	950	ND	26	N
	8/07/91	5.12	NA	6700	5000	ND	710
	9/24/91	5.87	60000	6800	4300	640	690
	10/23/91	5.81	79000	7900	8300	450	710
	11/06/91	5.56 5.56	130000	14000	15000	1100	880 410
	12/04/91 1/29/92	5.35 4.50	50000	8000 10300	4700 11000	520 780	600
	2/26/92	4.50 5.27	21000 38000	8400	10500	720	710
	3/19/92	4.47	48000	6200	9700	720 780	720
	4/22/92	4.62	NSC	6200	5700	780	720
	5/21/92	4.98	20000	7600	10100	830	690
	6/25/92	5.14(Film)	NSC	7000	10100	400	-
	7/30/92	5.30(Film)	NSC				
	8/20/92	5.28(Film)	NSC				
	9/30/92	5.66(Film)	NSC				
	12/23/92	4.81(Film)	NSC				
	3/10/93	4.13(Film)	NSC				
RE-2	4/11/88	-	NSC				
167.19)	4/09/90	4.90	850	5.8	0.5	4.8	1.
	10/30/90	5.34	440	2.8	0.91	13	3.1
	1/18/91	4.90	1100	8.4	3.1	ND	1
	2/12/91	4.94	1100	5.9	ND	0.77	N
	3/20/91	4,32	550	4.3	ND	ND	N
	5/22/91	4.43	1000	5.3	3.6	4.4	8.
	6/19/91	6.43	700	2.1	1,4	3.8	3.
	7/17/91	4.75	880	12.0	8.0	4.3	28
	8/07/91	4.87	NA	3,8	1.6	ND	N
	9/24/91	5.50	670	7.2	7.1	ND	
	10/23/91	5.63	2700	52	60	22	12
	11/06/91	5.14	1900	18	61	9.1	
	12/04/91	5.26	1100	26	47	4.3	4
	1/29/92	5.11	900	14	24	5.3	1
	2/26/92	4.31	500	3,4	3.5	2.7	2
	3/19/92	4,45	1200	14	20	15	
	4/22/92	4.78	200	ND	ND	ND	N T
	5/21/92	5.02	500	7.5	6.8	3.9	7
	6/25/92	5.13 = 10	ND Eco	ND	0.9	0.7	N
	7/30/92	5.19 E 27	500 1100	7.7	8.6 4 E	3.2	1 2
	8/20/92 9/30/92	5.27 5.45	1100 500	6.6 5.4	4.5 2.4	2.7 1.8	4
	12/23/92	4.50	800	*************	ND	ND	2
	3/10/93	4.50 4.18	1200	1.9 ND	1.4	ND ND	2 2
D			as litas Ivall				
		in micrograms p					
	A - PH -	Not Analyz	ea. Ieum Hydrocarbon	e ee goodin-			
	-Wat			s as yasonne.			
U	SC -	Depth to W	rater. collected due to fi				

I.D	Date	D-Wat	1 (CONT.) - Sum TPH	Benzene	Toluena	Ethyl-	Xylenes
						Benzene	
RE-3	4/11/88		70000	6600	5300	800	1300
167.39)	4/09/90	7.15	370000	2300	4900	3200	3100
	10/30/90	7.84	13000	860	660	220	221
	1/18/91	6.90	42000	4700	4500	21 ND	770 760
	2/12/91 3/20/91	6.62 5.87	72000 65000	3600 2400	4500 9400	50	980
	5/22/91	5.98(Film)	NSC	2400	3400	50	300
	6/19/91	6.84(Film)	NSC				
	7/17/91	7.10(Film)	NSC				
	8/07/91	7.30(Film)	NSC				
	9/24/91	7.84(Film)	NSC				
	10/23/91	8.07(Film)	NSC				
	11/06/91	7.63(Film)	NSC				
	12/04/91	7.83(Film)	NSC				
	1/29/92	7.17(Film)	NSC				
	2/26/92	5.56(Film)	NSC				
	3/19/92	5.44(Film)	NSC				
	4/22/92	6.56(Film)	NSC				
	5/21/92	6.90(Film)	NSC				
	6/25/92	7.18(Film)	NSC				
	7/30/92 8/20/92	6.80(Film) 7.25(Film)	NSC NSC				
	9/30/92	7.68(Film)	NSC				
	12/23/92	6.07(Film)	NSC				
	3/10/93	5.66(Film)	NSC				
RE-4	4/11/88	•••	150000	12000	8000	1000	2700
166,94)	4/09/90	<del></del>	NSC				
			87000	7200	KAAAA	1600	1290
	10/30/90	7.04	6,000		10000		
	10/30/90 1/18/91	11.62	70000	5000	5400	790	990
	10/30/90 1/18/91 2/12/91	11.62 11.63	70000 87000	5000 5200	5400 2800	790 240	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91	11.62 11.63 11.61	70000 87000 6500	5000	5400	790	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91	11.62 11.63 11.81 10.3(Film)	70000 87000 6500 NSC	5000 5200	5400 2800	790 240	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91	11.62 11.63 11.61 10.3(Film) 11.1(Film)	70000 87000 6500 NSC NSC	5000 5200	5400 2800	790 240	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91	11.62 11.63 11.61 10.3(Film) 11.1(Film) 6.20(Film)	70000 87000 6500 NSC NSC NSC	5000 5200	5400 2800	790 240	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91	11.62 11.63 11.81 10.3(Film) 11.1(Film) 6.20(Film) 8.15(Film)	70000 87000 6500 NSC NSC NSC NSC	5000 5200	5400 2800	790 240	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91	11.62 11.63 11.81 10.3(Film) 11.1(Film) 6.20(Film) 8.15(Film) 10.4(Film)	70000 87000 6500 NSC NSC NSC	5000 5200	5400 2800	790 240	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91	11.62 11.63 11.81 10.3(Film) 11.1(Film) 6.20(Film) 8.15(Film)	70000 87000 6500 NSC NSC NSC NSC NSC NSC	5000 5200	5400 2800	790 240	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91	11.62 11.63 11.81 10.3(Film) 11.1(Film) 6.20(Film) 8.15(Film) 10.4(Film) 11.2(Film)	70000 87000 6500 NSC NSC NSC NSC NSC	5000 5200	5400 2800	790 240	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91	11.62 11.63 11.81 10.3(Film) 11.1(Film) 8.20(Film) 8.15(Film) 10.4(Film) 11.2(Film) 6.62(Film) 11.2(Film) 7.72(Film)	70000 87000 6500 NSC NSC NSC NSC NSC NSC NSC	5000 5200	5400 2800	790 240	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 1/29/92 2/26/92	11.62 11.63 11.81 10.3(Film) 11.1(Film) 6.20(Film) 8.15(Film) 10.4(Film) 11.2(Film) 6.62(Film) 11.2(Film) 7.72(Film) 5.13(Film)	70000 87000 6500 NSC NSC NSC NSC NSC NSC NSC NSC	5000 5200	5400 2800	790 240	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 1/29/92 2/26/92 3/19/92	11.62 11.63 11.81 10.3(Film) 11.1(Film) 6.20(Film) 8.15(Film) 10.4(Film) 11.2(Film) 6.62(Film) 11.2(Film) 7.72(Film) 5.13(Film) 5.00(Film)	70000 87000 8500 NSC NSC NSC NSC NSC NSC NSC NSC NSC NSC	5000 5200	5400 2800	790 240	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 1/29/92 2/26/92 3/19/92 4/22/92	11.62 11.63 11.81 10.3(Film) 11.1(Film) 6.20(Film) 8.15(Film) 10.4(Film) 11.2(Film) 6.62(Film) 11.2(Film) 7.72(Film) 5.13(Film) 5.94(Film)	70000 87000 8500 NSC NSC NSC NSC NSC NSC NSC NSC NSC NSC	5000 5200	5400 2800	790 240	990 1100 67
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92	11.62 11.63 11.81 10.3(Film) 11.1(Film) 6.20(Film) 8.15(Film) 10.4(Film) 11.2(Film) 6.62(Film) 11.2(Film) 7.72(Film) 5.13(Film) 5.00(Film) 5.94(Film) 5.40(Film)	70000 87000 8500 NSC NSC NSC NSC NSC NSC NSC NSC NSC NSC	5000 5200	5400 2800	790 240	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	11.62 11.63 11.81 10.3(Film) 11.1(Film) 6.20(Film) 8.15(Film) 10.4(Film) 11.2(Film) 6.62(Film) 11.2(Film) 7.72(Film) 5.13(Film) 5.00(Film) 5.94(Film) 5.40(Film) 5.71(0.02)	70000 87000 87000 NSC	5000 5200	5400 2800	790 240	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 6/25/92 7/30/92	11.62 11.63 11.81 10.3(Film) 11.1(Film) 6.20(Film) 8.15(Film) 10.4(Film) 11.2(Film) 6.62(Film) 11.2(Film) 7.72(Film) 5.13(Film) 5.00(Film) 5.94(Film) 5.40(Film) 5.71(0.02) 6.33(Film)	70000 87000 87000 NSC	5000 5200	5400 2800	790 240	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92 7/30/92 8/20/92	11.62 11.63 11.81 10.3(Film) 11.1(Film) 6.20(Film) 8.15(Film) 10.4(Film) 11.2(Film) 6.62(Film) 11.2(Film) 7.72(Film) 5.13(Film) 5.00(Film) 5.94(Film) 5.40(Film) 5.71(0.02) 6.33(Film) 5.80(Film)	70000 87000 87000 8500 NSC	5000 5200	5400 2800	790 240	990 1100
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 6/25/92 7/30/92	11.62 11.63 11.81 10.3(Film) 11.1(Film) 6.20(Film) 8.15(Film) 10.4(Film) 11.2(Film) 6.62(Film) 11.2(Film) 7.72(Film) 5.13(Film) 5.00(Film) 5.94(Film) 5.40(Film) 5.71(0.02) 6.33(Film)	70000 87000 87000 NSC	5000 5200	5400 2800	790 240	990 1100

Not Analyzed.
Total Petroleum Hydrocarbons as gasoline.
Depth to Water.

D-Wat

No sample collected due to film or sheen of liquid phase hydrocarbons. NSC

		Table	e 1 (CONT.) - S	ummary of Analyt	ical Results		***************************************
1.0	Date	D-Wat	TPH	Benzene	Toluene	Ethyl- Benzene	Xylenes
RE-5	4/11/88	<del></del>	14000	1300	1100	100	2600
(166.51)	4/09/90	4.79	3000	690	190	40	270
	10/30/90	5.86	3400	910	48	87	249
	1/18/91	4.40	1400	180	8.6	0.52	48
	2/12/91	4.76	1000	ND	ND	0.65	ND
	3/20/91	5.08	3000	250	53	ND	110
	5/22/91	4.52	2500	330	7.8	5.6	200
	6/19/91	4.39	2000	59	1.6	5.1	110
	7/17/91	5.05(Film)	NSC				
	8/07/91	5.02(Film)	NSC				
	9/24/91	5.86(Film)	NSC				
	10/23/91	5.84(Film)	NSC				
	11/06/91	5.48	9900	2300	37	260	160
	12/04/91	5.43	4500	1000	27	ND	180
	1/29/92	5.12	600	6.1	2.3	ND	47
	2/26/92	4.93	500	5.4	2.7	1.2	14
	3/19/92	4.45	ND	1.7	1.1	ND	5.5
	4/22/92	4.63	1600	240	2.2	ND	160
	5/21/92	4.90	1200	410	37	ND	118
	6/25/92	5.15	ND	1.0	0.8	0.8	0.4
	7/30/92	5.30	ИD	2.0	1.8	1.9	6.4
	8/20/92	5.44	300	1.7	3.3	0.7	12
	9/30/92	5.73	1900	140	ND	19	35
	12/23/92	4.75	400	8.0	ND	ND	NO
	3/10/93	4.14	1100	290	9.7	ND	75
RE-6	4/11/88	44	6000	3000	40	80	140
(166.51)	4/09/90	5.64	3000	990	ND	70	NC
	10/30/90	6.68	3400	1000	28	ND	NE
	1/18/91	6,61	6300	1200	ND	3	15
	2/12/91	6.20	5200	850	8.4	4.9	41
	3/20/91	5.62	5800	680	12	8	10
	5/22/91	6.05	8500	1700	14	24	6,7
	6/19/91	6,12(Film)	NSC				
	7/17/91	6.20	120000	9300	13000	2400	16000
	8/07/91	6,27	NA	590	5,3	OM	14
	9/24/91	6.63	7000	310	11	5.3	3!
	10/23/91	6.36(Film)	NSC				
	11/06/91	6.15	4000	710	1.8	29	41
	12/04/91	6.19	4100	1100	14	33	39
	1/29/92	6.70	2600	790	14	ND	4:
	2/26/92	5.44	3100	950	21	30	3:
	3/19/92	5.30	2200	630	14	12	44
	4/22/92	6.00	NA	730	2.2	ND	40
	5/21/92	6.25	1500	840	7.8	7.1	34
	6/25/92	6.38	< 2000	740	8	27	2
	7/30/92	6.42(Film)	NSC		T. Carlotte		
	8/20/92	6.50	2800	630	17	23	2:
	9/30/92	6.66	7800	540	ND	12	2
	12/23/92	5.83	1800	350	ND	7.7	1
	3/10/93	5.63	3000	830	5.5	19	1.

NA - Not Analyzed.

TPH - Total Petroleum Hydrocarbons as gasoline.

D-Wat - Depth to Water.
NSC - No sample collec

NSC - No sample collected due to film or sheen of liquid phase hydrocarbons.

	4/11/88 4/05/90 10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 12/04/91 1/26/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92 7/30/92	E-Wat  5.93 8.21 11.8(Film) 10.8(Film) 9.96 11.7(Film) 11.5(Film) 7.80(Film) 9.88(0.03) 9.85(0.03) 9.96(Film) 6.77(Film) 10.8(Film) 6.00(Film) 5.55(Film) 6.12(Film) 6.40(Film)	TPH <50000 16000 31000 NSC NSC 120000 NSC	17000 7000 14000 12000	4400 1200 ND 2800	Ethyl- Benzene 600 640 ND 490	8400 1600 ND 6600
(166.04)	4/05/90 10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	8.21 11.8(Film) 10.8(Film) 9.96 11.7(Film) 11.5(Film) 7.80(Film) 9.88(0.03) 9.85(0.03) 9.96(Film) 6.77(Film) 10.8(Film) 8.64(Film) 6.00(Film) 5.55(Film) 6.12(Film)	16000 31000 NSC NSC 120000 NSC NSC NSC NSC NSC NSC NSC NSC NSC NSC	7000 14000	4400 1200 ND	800 840 ND	1600 ND
(166.04)	4/05/90 10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	8.21 11.8(Film) 10.8(Film) 9.96 11.7(Film) 11.5(Film) 7.80(Film) 9.88(0.03) 9.85(0.03) 9.96(Film) 6.77(Film) 10.8(Film) 8.64(Film) 6.00(Film) 5.55(Film) 6.12(Film)	16000 31000 NSC NSC 120000 NSC NSC NSC NSC NSC NSC NSC NSC NSC NSC	7000 14000	1200 ND	640 ND	1600 ND
	10/30/90 1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	8.21 11.8(Film) 10.8(Film) 9.96 11.7(Film) 11.5(Film) 7.80(Film) 9.88(0.03) 9.85(0.03) 9.96(Film) 6.77(Film) 10.8(Film) 8.64(Film) 6.00(Film) 5.55(Film) 6.12(Film)	31000 NSC NSC 120000 NSC NSC NSC NSC NSC NSC NSC NSC	14000	ND	ND	NC
	1/18/91 2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	11.8(Film) 10.8(Film) 9.96 11.7(Film) 11.5(Film) 7.80(Film) 9.88(0.03) 9.85(0.03) 9.96(Film) 6.77(Film) 10.8(Film) 8.64(Film) 6.00(Film) 5.55(Film) 6.12(Film)	NSC NSC 120000 NSC NSC NSC NSC NSC NSC NSC NSC NSC				
	2/12/91 3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	10.8(Film) 9.96 11.7(Film) 11.5(Film) 7.80(Film) 9.88(0.03) 9.85(0.03) 9.96(Film) 6.77(Film) 10.8(Film) 8.64(Film) 6.00(Film) 5.55(Film) 6.12(Film)	NSC 120000 NSC NSC NSC NSC NSC NSC NSC NSC NSC	12000	2800	490	6600
	3/20/91 5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	9.96 11.7(Film) 11.5(Film) 7.80(Film) 9.88(0.03) 9.85(0.03) 9.96(Film) 6.77(Film) 10.8(Film) 8.64(Film) 6.00(Film) 5.55(Film) 6.12(Film)	120000 NSC NSC NSC NSC NSC NSC NSC NSC	12000	2800	490	6600
	5/22/91 6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	11.7(Film) 11.5(Film) 7.80(Film) 9.88(0.03) 9.85(0.03) 9.96(Film) 6.77(Film) 10.8(Film) 8.64(Film) 6.00(Film) 5.55(Film) 6.12(Film)	NSC NSC NSC NSC NSC NSC NSC NSC NSC NSC	12000	2000	450	
	6/19/91 7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	11.5(Film) 7.80(Film) 9.88(0.03) 9.85(0.03) 9.96(Film) 6.77(Film) 10.8(Film) 8.64(Film) 6.00(Film) 5.55(Film) 6.12(Film)	NSC NSC NSC NSC NSC NSC NSC NSC NSC				
	7/17/91 8/07/91 9/24/91 10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	7.80(Film) 9.88(0.03) 9.85(0.03) 9.96(Film) 6.77(Film) 10.8(Film) 8.64(Film) 6.00(Film) 5.55(Film) 6.12(Film)	NSC NSC NSC NSC NSC NSC NSC NSC				
	8/07/91 9/24/91 10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	9.88(0.03) 9.85(0.03) 9.96(Film) 6.77(Film) 10.8(Film) 8.64(Film) 6.00(Film) 5.55(Film) 6.12(Film)	NSC NSC NSC NSC NSC NSC NSC NSC				
	9/24/91 10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	9.85(0.03) 9.96(Film) 6.77(Film) 10.8(Film) 8.64(Film) 6.00(Film) 5.55(Film) 6.12(Film)	NSC NSC NSC NSC NSC NSC NSC				
	10/23/91 11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	9.96(Film) 6.77(Film) 10.8(Film) 8.64(Film) 6.00(Film) 5.55(Film) 6.12(Film)	NSC NSC NSC NSC NSC NSC				
	11/06/91 12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	6.77(Film) 10.8(Film) 8.64(Film) 6.00(Film) 5.55(Film) 6.12(Film)	NSC NSC NSC NSC NSC				
	12/04/91 1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	10.8(Film) 8.64(Film) 6.00(Film) 5.55(Film) 6.12(Film)	NSC NSC NSC NSC				
	1/29/92 2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	8.64(Film) 6.00(Film) 5.55(Film) 6.12(Film)	NSC NSC NSC				
	2/26/92 3/19/92 4/22/92 5/21/92 6/25/92	6.00(Film) 5.55(Film) 6.12(Film)	NSC NSC				
	3/19/92 4/22/92 5/21/92 6/25/92	5.55(Film) 6.12(Film)	NSC				
	4/22/92 5/21/92 6/25/92	6.12(Film)					
	5/21/92 6/25/92		NSC				
	6/25/92	6.40(Film)					
			NSC				
	7/30/92	6.73(0.02)	NSC				
		6.73(Film)	NSC				
	8/20/92	6.82(Film)	NSC				
	9/30/92	7.26(Film)	NSC				
	12/23/92	6.22(Film)	NSC				
	3/10/93	5.82(Film)	NSC				
DO 0	0.07.04		E-8 994	e see	4/8		M41
RS-8	8/07/91	9.68	ND	ND	ND	ND	NI N
(164.32)	9/27/91	9,89	ND	ND	ND	ND	N
	10/23/91	10.05	ND	ND	ND	ND	NI
5000000000000000000000000	11/06/91	9.71	ND	ND	ND	ND	N
	12/04/91	10.00	ND	ND	ND	ND	N
	1/29/92	9.28	ND	2,1	1.0	2.5	3.
	2/26/92	7.05	ND	ND	0.7	ND	0.
	3/19/92	7.30	ND	0.5	1.0	1.5	2.
	4/22/92	8.60	ND	ON	ND	ND	N
	5/21/92	9.22	ND	ON	ND	ND	N N
	6/25/92	9.49	ND	ND	ND	ND	N
	7/30/92	9.55	ND	1.1	4.2	ND	3,
	8/20/92	9.63	ND	2.0	4,7	ND	5.
	9/30/92	9.90	ND	ND	ND	ND	N
	12/23/92	9.96	ND	ND	ND	ND	N
	3/10/93	8,95	ND	ND	ND	ND	N
	and the second of the second of the second						
RS-9	8/07/91	2.28	NA	0.5	ND	330	120
(167.51)	9/27/91	2.77	13000	3.5	3.0	82	14
	10/23/91	3.53	11000	ND	ND	39	34
	11/06/91	2.51	6800	8.4	0.6	22	23
	12/04/91	3.20	6500	6.5	0.7	87	20
	1/29/92	2.65	8100	22	10	140	26
	2/26/92	3.42	13000	40	16	220	60
	3/19/92	3.12	12000	21	12	100	28
	4/22/92	3.24	8600	ND	ND	20	3
	5/21/92	3.75	6000	21	10	53	21
	6/25/92	2.65	370	2.3	1.5	0.7	4.
	7/30/92	2.70	3600	20	ND	39	8
	8/20/92	2.83	3000	0.7	5.2	2.0	5.
	9/30/92	2.80	9200	4.8	5.2 6.5	12	9
	12/23/92			4.8 17	ND		1
	3/10/93	2.45 2.40	2000 1500	ND	2.6	8.2 21	1

Not Analyzed.

NA TPH Total Petroleum Hydrocarbons as gasoline.

D-Wat Depth to Water.

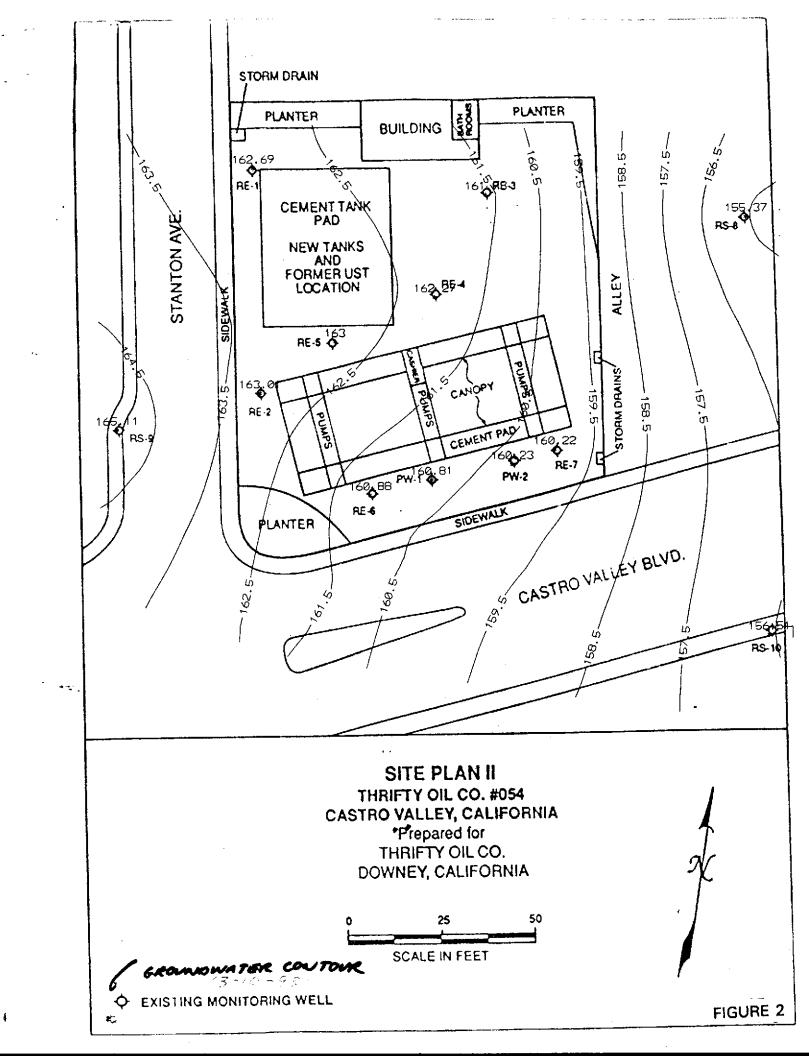
NSC No sample collected due to film or sheen of liquid phase hydrocarbons.

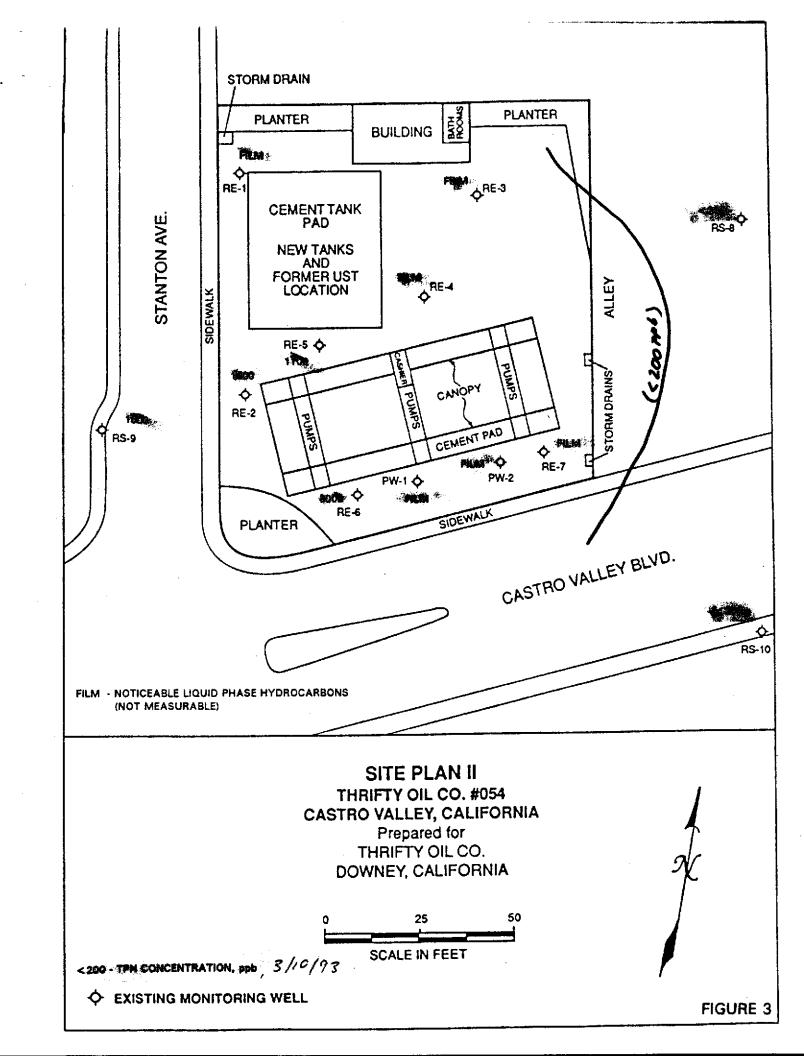
I.D	Date	D-Wat	TPH	Benzene	Toluene	Ethyl-Benzene	Xylenes
RS10	8/07/91	6.16	ND	ND	ND	ND	N
(162.89)	9/27/01	6.48	ND	ND	ND	ND	Ni
	10/23/91	7.37	ND	ND	ND	ND	NI
	11/06/91	6.44	ND	ND	ND	ND	N
	12/04/91	7.02	ND	ND	ND	ND	N
	1/29/92	6.78	ND	ND	ND	ND	N
	2/26/92	8.33	ND	ND	ND	ND	N
	3/19/92	8.02	ND	ND	ND	ND	0
	4/22/92	7.78	ND	ND	ND	ND	
	5/21/92	6.21	ND	ND	0.6	ND	1
	6/25/92	7.73	ND	ND	ND	ND	N
	7/30/92	7.84	ND	ND	0.5	ND	1
	8/20/92	7.50	ND	ND	ND	ND	P
	9/30/92	7.63	ND	ND	ND	ND	P
	12/23/92	7.24	ND	ND	ND	ND	ħ
	2/10/93	6.38	ND	ND	ND	ND	1

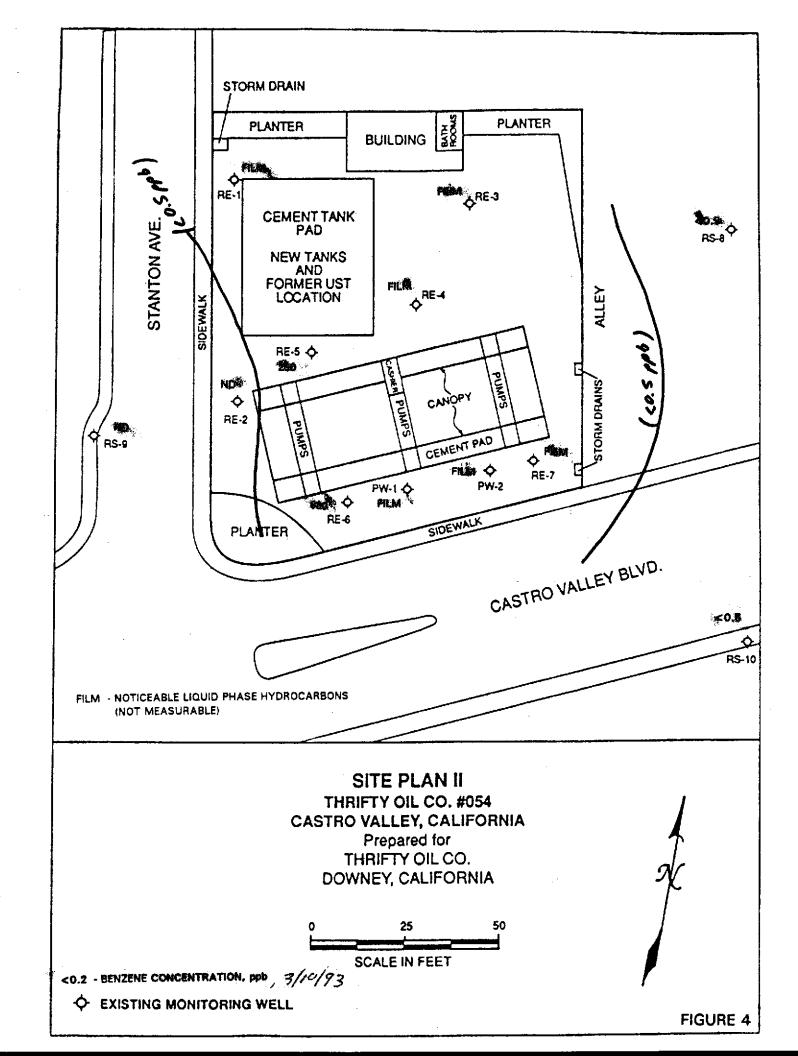
NA TPH D-Wat NSC

Not Analyzed. Total Petroleum Hydrocarbons as pasoline. Depth to Water. No sample collected due to film or sheen of liquid phase hydrocarbons.











PROJECT STATUS REPORT
THRIFTY OIL CO. S.S. #054
2504 CASTRO VALLEY BLVD.
CASTRO VALLEY, CA 94546
DATE: 3.10.1993

F	мо	NI'	ORI	N G			DORS		FRE	E	WE	LLS	CONNE	CTED	то	SYST	EM (	(W)
RE	OB	SERVA'	TION WE	LLS		(S=	SLIG	HT)	PROD	UCT	CONN	ECT	INTEG	RITY	V	POR	W2	ATER
Q •	NO.	DTW	DT	P	PT	YES	NO	s	YES	NO	YES	ИО	OK	NO	ON	OFF	ON	off
М	PW-1	5.65	5 SHE	EN				V		٧	Х	+						
М	PW-2	5.95	8416	SEN				À		>	Х	-						
М	RE-1	4.13	SHE	žΝ				¥		Y	Х	<u> </u>						
М	RE-2	4.18					94			×	Х	-						
М	RE-3	5.66	, shi	50X				У		×	Х				_		ļ	
М	RE-4	46	1 8Hi	50V				×		Ø	x	-		<u> </u>	_			
М	RE-5	4.16					120			X	Х	_		<u> </u>	ļ			
М	RE-6	5.6:					×		ļ	<u> </u>	X	<u> </u>	<u> </u>	<u> </u>	<u> </u>	ļ	-	
М	RE-7		2 Fil	w		×	ļ		ļ	X	X	_			-	<del> </del>	<del> </del>	
М	RS-8	8.9.					<u>'''</u>		<u> </u>	4	<u> </u>	X		<del> </del>	<u> </u>			_
М	RS-9	2.4			-	<b> </b>	\psi	ļ.—	<u> </u>	X		X	<b> </b>	<u> </u>	╄	<u> </u>	ļ	-
М	RS-10					<u> </u>	X	ļ		X		X		<u> </u>	<u> </u>		<u> </u>	
SAVE SYSTEM					•	-	EKI				1		<del></del>					
PARAMETER U/M D		ATA		ļ	PARAMETER			<del>                                     </del>	/M	<u> </u>	Di	ATA						
TIM	Œ		AM/PM					<u> </u>	R FLO				<del> </del>	F M	<del> </del>			
WOF	RKING		YES/NO		<u> </u>	2			POR I				-	PM	<b> </b>			
RES	STARTED		YES/NO	)		<u> </u>			FUEL FLOW			<del> </del>	M/H	<del>  -</del>				
HOU	JRS		#			WELL VACUUM					B 4							
ENC	GINE RO	r.	RPM						L P G TANKS			<del> </del>	*	#1				
ENC	INE VA	שטטכ	IN HG			GAS			AS METER READING		<del> </del>	<del>-</del>	-	]	N/A			
TAI	VK VACUI	JM	IN HG	<b>,</b>				WA	TER I	FLOW	METE	R	GA	LL.	┸,		1	
EXI	HAUST					1									+		-	
(Ву	others		<del></del>			<b></b>									+		┼	
<u> </u>	LET TO				1 00		T				~ ~~	DD3-7	TANC	epp p	Ter	n pr	COPP	
MA	INTENAN(		s/100/4											SEE F	151	r KE	CORD	
<b></b>		W	ATE		AM	P L	T N	G -	CH				WHEN	PONE		WELL	s	
ļ			BFFLUE	SNT	<del></del>			<del> </del>		TNE	LUEN			, ,				ust.
<u> </u>	() () QSEE C.CUST.																	
<u></u>	REMARKS:																	
	FREE PRODUCT REMOVED: APPROX. GALLONS WATER REMOVED: APPROX 2 GALLONS																	
DA'	DATA RECORDED BY : E. CAMAN INPUT BY: M.M. >\FF\054rsirt																	

DATE 3.10.1993	STATION NO. 054  TROFU  WEATHER									
PERSONNEL E GAJM	gov, T. ROEU									
WELL NO. RS 10	WEATHER									
SAMPLE EQUIPMENT TEFLON BAILER										
Before Sampling  Total Well Depth 24.45 Pt. Well Diameter 2'  Depth to Water 6.32 Pt. Purge Volume 12 golleus										
Sampling Data										
Time 9:10 9:15 9:2	9:25 9:30									
BC 6440 6310 632	00 6300 6300									
рн <u>7.25</u> <u>7.22</u> <u>7.2</u>	<u>0</u> 7.22 7.20									
Temp 69 68 67	10 67 67									
Gal. 4 6 8	10 12									
Time										
EC										
рн										
Temp										
Gal										
After Sampling Depth to Water 7.20	Ft. Total Well Depth 24.45 Ft.									

DATE	3.10	0 1993		STATION 1	10. 054					
PERS	ONNEL	E.CA.	smand T	ROTU						
WELL	WELL NO. RI-R WEATHER									
SAMPI	LE EQUIP	MENT	CFLOX	& BA	ILER					
	e Sampli Well Do	· - <del></del>	5.20 p	t. Well t. Purg	Diameter	2" III gollous	: :			
<u>Sampl</u>	ing Date	<b>a</b>								
Time	9:50	9:55	10:00	10:05	10:10					
BC	1940	1540	1510	1510	1510					
рĦ	7.60	7.50	7.50	7.48	7.45					
Temp	67.4	66.6	66.8	8.23	66.8		·····			
Gal.	<u> 4</u>	_6_					<del></del>			
Time										
EC	<del></del>									
рН		·		<del></del>						
Temp	<del></del>		<del></del>	<del></del>		<del></del>				
Gal.			<del></del>			·				
	Samplin	_	O Pt.	Total 1	Well Depth	25. 20	<b>P</b> 4			

PERS WELL	DATE 3.10.1993 STATION NO. 054  PERSONNEL E. GASMAN, T. ROSU  WELL NO. AS-9 WEATHER  BAMPLE EQUIPMENT TEFLON BAILER									
	re Sampl					-				
Tota	Total Well Depth 15 Pt. Well Diameter 2"  Depth to Water 2.40 Pt. Purge Volume 8 gelleus									
Depti	h to Wate	•r <u>2</u> .4	<u>110</u> P	t. Purg	e Volume	8 gelleu	<u>つ</u>			
						•				
	ling Date		•							
Time	10:30	10:35	10:40	10:45	10:50					
EC	1030	990	1000	1000	1000		<u>=</u>			
рĦ	7.98	7.85	7. 74	7.66	7.66					
Temp	65	63.7	63.4	63	63					
Gal.	2	3	4	G	8	<del></del>				
Time	<del></del>				<del></del>					
EC				·						
рн		<del></del>			<del></del>	<del></del>				
Temp	<del></del>		***************************************				<del></del>			
Gal.	<del></del>					<del></del> ·	<del> </del>			
	: Samplin	•	00 Pt.	Total W	Well Depth	15	74			

DATE 3.10.1993	STATION NO	4
Personnel E. Gasman	, T. ROSU	
WELL NO. RE.5	WEATHER SUNNY	
SAMPLE EQUIPMENT	ON BAILER	
Before Sampling  Total Well Depth 18.25  Depth to Water 4.14	t. Well Diameter	4" 37 gellows
Sampling Data	·	•
Time 11:10 11:15 11:20	11:28 11:30	
EC 1270 1260 1240	1240 1240	
Temp 68 67 66.5	7.35 7.36	
Temp 68 67 66.5	66.4 66.4	
Gal. 15 20 %	30 37	
Time		
zc		
рн		
Temp		
Gal		
After sampling  Depth to Water	. Total Well Depth	18.25

DATE	3.10	. 1993		STATION N	10	54					
PERS	onnel	E. 0	LASMAN	, T. P	LOIU	· · · · · · · · · · · · · · · · · · ·					
					SUHN	<b>y</b>					
				I BAI		<u>'</u>	<del></del>				
	_	<u>.</u>		, <u> </u>		<del></del>	<del></del>				
Befor	re Sampl:	ing									
Tota	Total Well Depth 17.10 Pt. Well Diameter 4"  Depth to Water 4.12 Pt. Purge Volume 34 gellens										
Depti	to Wate	4.	12	. well	Digmeter	2400011	40				
	- 55 #25		<u>:                                    </u>	. Purg	• Aolnine	STyllin					
Samo	ling Data	_									
			12:00	12:05	12:10	10 1					
					210						
PH	(05	7.36	7.49	<u> 7.46</u>	1.45	7.45					
Temp	00.3	66.0	66.1	66.2	66.1	66.1					
Gal.	10	<u> </u>	20	25	30	34	·				
Time					·						
EC				<del></del>	<del></del>						
ΡĦ					**************************************		<del></del>				
Temp						<del></del>					
Gal.				***	**************************************						
					,	·					
After	Samplin	īā	•	•							
Depth	to Wate	E 5-12	Pt.	Total V	Well Depti	17.10	) Ft.				

DATE 3. 10. 1993	STATION NO 054
Personnel E. Gasman	, 7. ROSU
	WEATHER SUNHY
SAMPLE EQUIPMENT TETLO	ON BAILER
Before Sampling Total Well Depth	Pt. Well Diameter 4"  Pt. Purge Volume 20 gellous
Sampling Data	
Time 12:50 1:00 1:10	1:20 1:30
BC 1480 1500 1510	1520 1520
PH 7.37 7.25 7.15	1:20 1:30 1520 1520 705 7.07
Temp 66.5 66.4 66	66 66
Gal. 4 & 12	66 66 16 20
Time	
EC	
p#	
Temp	
Gal	
After Sampling  Depth to Water 6.43 p	t. Total Well Depth /5. 25



### LABORATORY ANALYSIS RESULTS

Client: Thrifty Oil Company

Project No.: N/A

Project Name: TOC #054 Sample Matrix: Water

Method: EPA 8020 (BTEX)/8015M (Gasoline)

AA Project No.: A135054-8 Date Sampled: 3/10/93 Date Received: 3/12/93 Date Reported: 3/22/93

Date Analyzed: AA I.D. No.: Client I.D. No.:	3/15/93 14140 RS-10	3/15/93 14141 RS-9	3/15/93 14142 RS-8	3/17/93 14143 RE 6	Reporting Detection Limits	Units
Compounds						
Benzene	<0.5	<0.5	<0.5	830	0.5	μg/L
Toluene	<0.5	2.6	<0.5	5.6	0.5	μg/L
Ethylbenzene	<0.5	21	<0.5	19	0.5	μg/L
Xylenes	<1	12	<1	16	1	μg/L
Gasoline Range Organics	<0.2	1.5	<0.2	3	0.2	mg/L

George Havalias Laboratory Director

mls

<sup>&</sup>lt;: Not detected at or above the value of the concentration indicated.



### **LABORATORY ANALYSIS RESULTS**

Client: Thrifty Oil Company

Project No.: N/A

Project Name: TOC #054 Sample Matrix: Water

Method: EPA 8020 (BTEX)/8015M (Gasoline)

AA Project No.: A135054-8 Date Sampled: 3/10/93

Date Received: 3/12/93 Date Reported: 3/22/93

Date Analyzed: AA I.D. No.: Client I.D. No.:	3/17/93 14144 RE 5	3/15/93 14145 RE 2	3/15/93 14146 Trip Blank	Reporting Detection Limits	Units
Compounds					
Benzene	290	<0.5	<0.5	0.5	μg/L
Toluene	9.7	1.4	<0.5	0.5	μg/L
Ethylbenzene	<5	<0.5	<0.5	0.5	μg/L
Xylenes	75	2.1	<1	1	μg/L
Gasoline Range Organics	1.1	1.2	<0.2	0.2	mg/L

George Havalias Laboratory Director

mis

<sup>&</sup>lt;: Not detected at or above the value of the concentration indicated.



### LABORATORY QA/QC REPORT

Client: Thrifty Oil Company

Method: EPA 8020 (BTEX)/8015M (Gasoline)

Sample ID: Matrix Spike

AA Project No.: A135054-8 Sample Matrix: Water Date Analyzed: 3/15/93 Date Reported: 3/22/93

Compounds	Spike Recovery (%)	Spike/Duplicate Recovery (%)	RPD (%)
Benzene	66	58	12.9
Toluene	109	95	13.7
Ethylbenzene	110	95	14.6
Xylenes	109	95	13.7
Gasoline Range Organics	120	104	14.3

**RPD:** Relative Percent Difference

George Havalias Laboratory Director

mls



#### LABORATORY QA/QC REPORT

Client: Thrifty Oil Company

Method: EPA 8020 (BTEX)/8015M (Gasoline)

Sample ID: Matrix Spike

AA Project No.: A135054-8 Sample Matrix: Water Date Analyzed: 3/17/93 Date Reported: 3/22/93

Compounds	Spike Recovery (%)	Spike/Duplicate Recovery (%)	RPD (%)
Benzene	100	100	0
Toluene	98	98	0
Ethylbenzene	98	97	1
Xylenes	110	110	0
Gasoline Range Organics	68	77	12

**RPD: Relative Percent Difference** 

George Havalias Laboratory Director

mis